CATAWBA NUCLEAR STATION DIRECTIVE 3.0.7 (TS)

REVISION NO. 6 DATE 1-27-86

APPROVAL H W Hampton

DUKE POWER COMPANY

CATAWBA NUCLEAR STATION

SITE ASSEMBLY/EVACUATION

1.0 PURPOSE

1.1 To account for station personnel, contractor personnel, other Duke Power Company employees and visitors onsite in an emergency situation.

1.2 To ensure personnel safety by evacuation to a predesignated location offsite when the situation warrants and to ensure the protection of essential personnel remaining onsite.

1.3 To provide for the control of evacuated employees until the emergency situation is returned to normal or until other disposition is made.

1.4 To provide training and drills on assembly and evacuation to plant personnel and others with unescorted access to station.

2.0 SPECIFIC RESPONSIBILITIES

2.1 All station employees, contractor personnel, visitor and other Duke Power Company employees onsite are required to comply with the actuation of a Site Assembly (within 30 minutes of initiation) or Evacuation. All personnel are also responsible for knowing the location of their assembly point (indicated on back of their security badge), who they are to contact upon assembly and to where they are to evacuate.

2.2 The Shift Supervisor/Emergency Coordinator is responsible for implementing the Site Assembly or Evacuation depending upon the situation.

2.3 Station sections are responsible for accounting for their onsite personnel to the Security Shift Clerk or Sergeant at extension 2393. See Section 5.1.2.2 A through N. The maintenance of accountability shall also be accomplished by status reports every 30 minutes.

2.4 Personnel shall notify their Supervisor, who in turn report to Coordinator and higher levels as applicable.

2.5 During evening and night shift or on weekends or holidays, personnel without their supervisor onsite will report to the Security Shift Clerk or Sergeant at extension 2393.

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2.6 Construction personnel are responsible for reporting to their supervisor, who will report on to the Construction Project Manager.

2.7 QA personnel are responsible for reporting to the Senior QA Engineer.

2.8 Vendor and contractor personnel are responsible for reporting to their supervisor.

2.9 Station Sections, and other organizations as listed in 5.1.2.2 A through N, after assembling shall report to the Security Shift Clerk or Sergeant at extension 2393. All personnel MUST BE accounted for within 30 minutes of the announcement.

2.10 If personnel are directed to proceed to either or both of the Evacuation Relocation Sites, the Evacuation Coordinator at that site will be responsible for:

2.10.1 Obtaining the key to Site Alpha from Security, if necessary.

2.10.2 Maintaining communication with the Shift Supervisor/Emergency Coordinator.

2.10.3 Accounting for station personnel and others as they arrive at the site and reporting to Shift Supervisor/Emergency Coordinator the status of the evacuated employees.

2.10.4 Disseminating status reports to evacuated personnel.

2.10.5 Interfacing with the management of the relocation site.

2.11 The Security Shift Lt., Clerk or Sergeant shall receive the reports of personnel accountability, noting all personnel who are unaccounted for on Enclosure 1 and report to the Security and Contract Coordinator in the TSC or to the Shift Supervisor in the Control Room.

2.12 The Shift Supervisor/Emergency Coordinator is responsible for securing from the Site Assembly or Evacuation when the situation has returned to a normal status.

2.13 Health Physics will monitor personnel exiting from the PAP and Construction Exits, during a Site Evacuation, and will have personnel available at the Evacuation Relocation Site per Reference 3.5.

2.14 Health Physics will monitor assembly areas and exit points to assure radiation protection of these personnel assembled.

2.15 Security shall be responsible for search and rescue of unaccounted for personnel and may require assistance from other station groups.

3.0 REFERENCES

3.1 Catawba Nuclear Station Emergency Plan

3.2 Catawba Nuclear Station Directive 3.8.4

3.3 System Health Physics Manual

3.4 RP/0/A/5000/10, Conducting a Site Assembly/Evacuation

3.5 HP/0/B/1009/05, Personnel Monitoring for Emergency Conditions

3.6 Catawba Contstruction Procedure CP-833, Site Assembly and Evacuation

4.0 ADDITIONAL INFORMATION

4.1 Bomb Threat - Personnel are to assemble in the station parking lots unless otherwise directed.

4.2 Inability to Reach Assembly Point - Personnel are to "call in" their where abouts before the 30-minutes, if they cannot reach their assembly point, and are to proceed in person as soon as possible.

4.2 Working in RCA - Persons in protective clothing should leave their work areas and go the the appropriate change rooms. In the change room, they should contact the appropriate persons as designated in 5.1.2.2 for personnel accountability reporting. Judgement should be used concerning the advisability of changing clothes and reporting to normal assembly areas.

5.0 PROCEDURE

5.1 Site Assembly

5.1.1 Events Initiating a Site Assembly

5.1.1.1 A Site Assembly is an occurance that warrants the accountability of all personnel on site for reasons of personnel safety or for dissemination of information.

5.1.1.2 Events Necessating a Site Assembly:

A. Emergency Classification

a. Alert, if plant conditions are rapidly degrading (opinion of Shift Supervisor/ Emergency Coordinator)

b. Site Area Emergency

c. General Emergency

B. Other plant conditions could warrant a precautionary assembly/evacuation as determined by the Shift Supervisor/Emergency Coordinator.

C. Auxiliary Building radiation levels abnormally high, in areas where access is unrestricted

1. > 2 mr/hr
2. > 1 x 10^6 cpm airborne by EMF-41

5.1.2 Implementation

5.1.2.1 The Shift Supervisor/Emergency Coordinator shall announce the Site Assembly per RP/0/A/5000/10, Conducting A Site Assembly/ Evacuation.

5.1.2.2 Upon hearing the alarm and the announcement, all personnel shall report to their predesignated assembly points as follows:

NOTE: ENTRY INTO THE PROTECTED AREA IS SECURED UPON A SITE ASSEMBLY; therefore, all non-essential station personnel shall go to either their primary (inside Security boundary) or secondary (outside Security boundary) assembly point.

Personnel may exit thru the PAP to get to their assembly point as necessary.

Group	ASSEMBLY POINTS Primary	Secondary
A. Operations		
1) Staff & other personnel not on shift	Operations Office Area	GTR Admin. Bldg.
2) On shift personnel	Control Room or OSC	N/A
3) Training groups	Classroom in HR	GTR Admin. Bldg.
B. Station Services		
1) Administrative Personnel, Clerical and DDP	DDP Rm. SB	Station Services Area Admin. Bldg.
2) Safety/Medical	Safety Office	TAB
3) Security	Security Assembly Rm.	GTR Admin. Bldg.
NOTE: Security personnel on assignment remain "ON POST" or proceed to the OSC, as directed by Security Management.		
4) K-MAC & 4C's Personnel	K-MAC Office HR	Conf. Rm. #2 Admin. Bldg.
5) Training Services	Safety Office	TAB
C. Technical Services		
1) Compliance & Project Services	Office in HR	Body Burden Room
2) Performance	Prf. Office Area SB	Body Burden Room
3) a. Secondary Chemistry	CT Lab	Body Burden Room
b. Environmental Chemistry	Water Treatment Bldg.	Body Burden Room
c. Staff, Radwaste & Primary Chemistry	Chem. Office ASB	Body Burden Room
4) Health Physics	HP Office ASB 609 El.	Body Burden Room

Group		Primary Assembly Point	Secondary Assembly Point
D.	Maintenance		
	1) Mechanical	Mechanical Shop Area	GTR Admin. Bldg.
	2) I&E	I&E Shop SB	GTR Admin. Bldg.
	NSS	HR Break Rm.	Admin. Bldg. Break Rm.
	3) Planning	Inside Warehouse Tool Issue Area	GTR Admin. Bldg.
E.	Integrated Scheduling	Integrated Scheduling Office Area HR	Conf. Rm #1 Admin. Bldg.
F.	QA	HR Break Rm.	QA Office Area
G.	Construction	See Const. Procedure 833	
H.	Support Groups (SMS, SSD) - Report through Planning Group.	HR Break Rm.	Admin. Bldg. Break Rm.
I.	Model Group	CSRG Office	Conf. Rm #1 Admin. Bldg.
J.	Owner's Group	CSRG Office	Conf. Rm #1 Admin. Bldg.
K.	CSRG	CSRG Office	Conf. Rm #1 Admin. Bldg.
L.	Community Relations	TSC	Conf. Rm #1 Admin. Bldg.
M.	NRC Residents & Staff	NRC Office HR	Body Burden Room

N. Visitors - Remain with escort or go to PAP if unescorted.

NOTES

1. Station Security shall be responsible for the accountability of visitors within the PAP. Visitors outside the Protected Area can remain in the PAP Lobby, other visitors can be sent to the Break Room in the Service Building, to be decided on by Security Management.

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

3. Personnel on assignment from various groups such as: Design Engineering, Construction, Transmission, G.O. Maintenance, Contracted Personnel should assemble with the Station group that they assigned (ex. Rad Services with HP), unless otherwise indicated.

4. ABBREVIATIONS

GTR - General Training Room
SB - Service Building
ASB - Auxillary Service Building
OSC - Operations Support Center
PAP - Personnel Access Portal
HR - High Rise Office Building
TAB - Temporary Admin Building

5.1.2.3 Upon initiation of a Site Assembly, Security shall prevent entry into the Protected Area through the PAP except for the following essential personnel:

A. Emergency Organization personnel, designated by a red dot on the upper part of their security badge.

B. Operation Shift Personnel

C. Catawba Nuclear Station Fire Brigade personnel

D. Catawba Nuclear Station Field Monitoring team personnel

E. Crisis Management Team personnel with proper identification

F. NRC personnel

G. Security personnel

H. Others as directed by the Emergency Coordinator.

5.1.3 Accounting for Personnel

5.1.3.1 Unaccounted for personnel will be reported to the Shift Supervisor/Emergency Coordinator, by Security after the first 30 minute accounting period. Efforts to locate the missing person(s) will begin approximately 45 minutes after the assembly is initiated.

5.1.3.2 If necessary, Security will institute Search and Rescue operations to locate and retrieve unaccounted for personnel. Other station groups will be called upon to assist, as necessary.

5.1.3.3 The status of unaccounted for personnel will be maintained in the Central Alarm Station.

5.1.4 Maintenance of Accountability

5.1.4.1 If the requirement for an assembly no longer exists, permission to return to normal duties will be given by the Emergency Coordinator.

5.1.4.2 Plant conditions may require evacuation of the station. Instructions will be given by the Emergency Coordinator.

5.1.4.3 All reporting organizations shall report to Security on the status of their personnel at thirty (30) minute intervals or some other frequency as specified, in the same manner as the initial report.

5.1.5 Securing from a Site Assembly

4.1.5.1 When the emergency condition has been brought under control or when it has been determined that personnel can return to their work location safely, the all-clear message will be sounded by the Shift Supervisor.

5.2 Evacuation

5.2.1 Evacuation Coordination

5.2.1.1 Prior to a Site Evacuation the Shift Supervisor/ Emergency Coordinator shall notify the Evacuation Coordinator. He shall be the "individual-in-charge" at the Evacuation-Relocation Site. See Enclosure 1 of Catawba Nuclear Station Directive 3.8.4.

5.2.1.2 In the event of a Site Evacuation without the Evacuation Coordinator present, the most senior employee present shall assume the duties of the Evacuation Coordinator.

5.2.1.3 Information about the status of evacuation will be relayed to the Evacuation Coordinator who will dissimenate it as necessary.

5.2.1.4 The Evacuation Coordinator will meet with York County Sheriff's Deputies or South Carolina Highway Patrol to lead the way to the chosen Evacuation-Relocation Site.

A. York County Sheriff Department . . 327-2021

B. S. C. Highway Patrol 366-7668

5.2.1.5 The Evacuation Coordinator or delegate will remain in touch with the TSC or CMC and will direct the return of station personnel if needed or authorize the personnel to go home as the situation warrants.

5.2.1.6 SLED Identification badges will be issued to those personnel who need them at the Evacuation Relocation Site.

5.2.2 Evacuation-Relocation Sites

5.2.2.1 Site "Alpha" - Duke Power Company Transmission Line Maintenance Warehouse on Parham Road (CR-54) (Enclosure 2)

5.2.2.1.1 The Shift Supervisor/Emergency Coordinator or delegate shall call the listed phone number or radio to inform them of the planned evacuation. If there is no response to the call, the key to Site Alpha is kept by Catawba Nuclear Station Security. The key can be obtained by Catawba Nuclear Station personnel, designated by the Emergency Coordinator.

5.2.2.1.2 Phone Numbers:

373-7309
(803) 366-4777

5.2.2.1.3 Radio via Dispatcher's frequency.

5.2.2.2 Site "Bravo" - Duke Power Company Allen Steam Station on Southpoint Road (Enclosure 3)

5.2.2.2.1 The Shift Supervisor/Emergency Coordinator or delegate shall call the listed phone number or radio to inform them of the planned evacuation. Since Allen Steam Station is operable at all times, no backup access is required.

5.2.2.2.2 Phone Numbers:

373-4646
(704)825-2022

5.2.2.2.3 Radio via Dispatcher's Frequency

5.2.3 Implementation

5.2.3.1 Site Evacuations are initiated only after station personnel have been assembled by a Site Assembly.

5.2.3.2 The Shift Supervisor/Emergency Coordinator shall determine which Evacuation-Relocation Site to evacuate to based on current meteorological conditions and the nature of the emergency.

5.2.3.3 The Shift Supervisor/Emergency Coordinator or delegate shall sound the Site Evacuation alarm followed by an announcement on the plant page system per RP/0/A/5000/10, Conducting A Site Assembly/Evacuation.

5.2.3.4 Upon hearing the Site Evacuation alarm and the announcement, all evacuating personnel shall be monitored at the PAP or Construction Exits by HP personnel before proceeding to the location as announced.

5.2.3.5 Upon arrival at the Evacuation-Relocation Site, personnel shall remain as a group to be checked for possible contamination, where they shall be under the direction and control of the Evacuation Coordinator.

5.2.4 Radiological Protection for Essential Personnel

5.2.4.1 Personnel to remain onsite after the initiation of a Site Evacuation shall be designated by Station Management whenever a Site Area Emergency is declared.

5.2.4.2 The Technical Support Center and Control Room are areas where essential personnel should be sent to avoid excess radiation exposure.

5.2.4.3 Access to the Radiation Control Areas will be controlled by personnel in the Operation Support Center using RP/0/B/5000/12.

5.2.5 Securing from a Site Evacuation

5.2.5.1 When the emergency situation has been brought under control and when it has been determined that the evacuated personnel can return to their work location safely, the Evacuation Coordinator will be notified by either the Shift Supervisor/Emergency Coordinator or by the CMC Recovery Manager.

5.3 Training and Drills

5.3.1 All personnel with unescorted access to the station are given training on Site Assembly/Evacuation on an annual basis as part of the General Employee Training Program.

5.3.2 Site Assembly drills will be conducted on a semi-annual basis to test the ability of personnel onsite to adequately respond in an emergency.

5.3.3 A Site Evacuation drill will be conducted once a year to coincide with the Station's Annual Emergency Exercise.

NOTE: The evacuation will be simulated.

6.0 ENCLOSURES

1. Unaccounted for Personnel
2. Site Alpha
3. Site Bravo

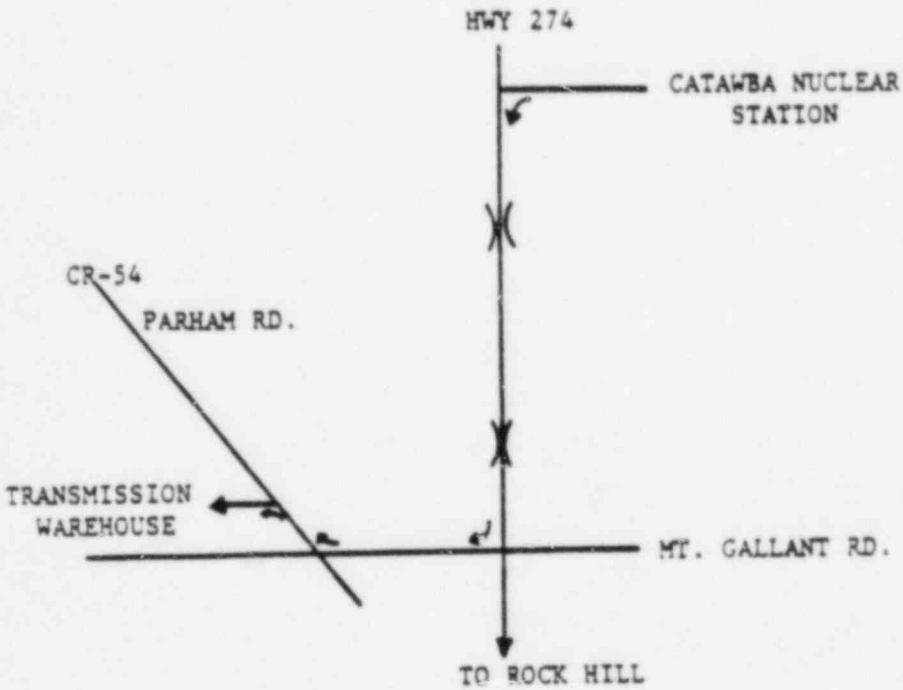
CATAWBA NUCLEAR STATION
STATION DIRECTIVE 3.0.7 (TS
ENCLOSURE 1

UNACCOUNTED FOR PERSONNEL

NAME	GROUP	SUPERVISOR	LAST KNOWN LOCATION	STATUS

CATAWBA NUCLEAR STATION
STATION DIRECTIVE 3.0.7 (TS)
ENCLOSURE 2

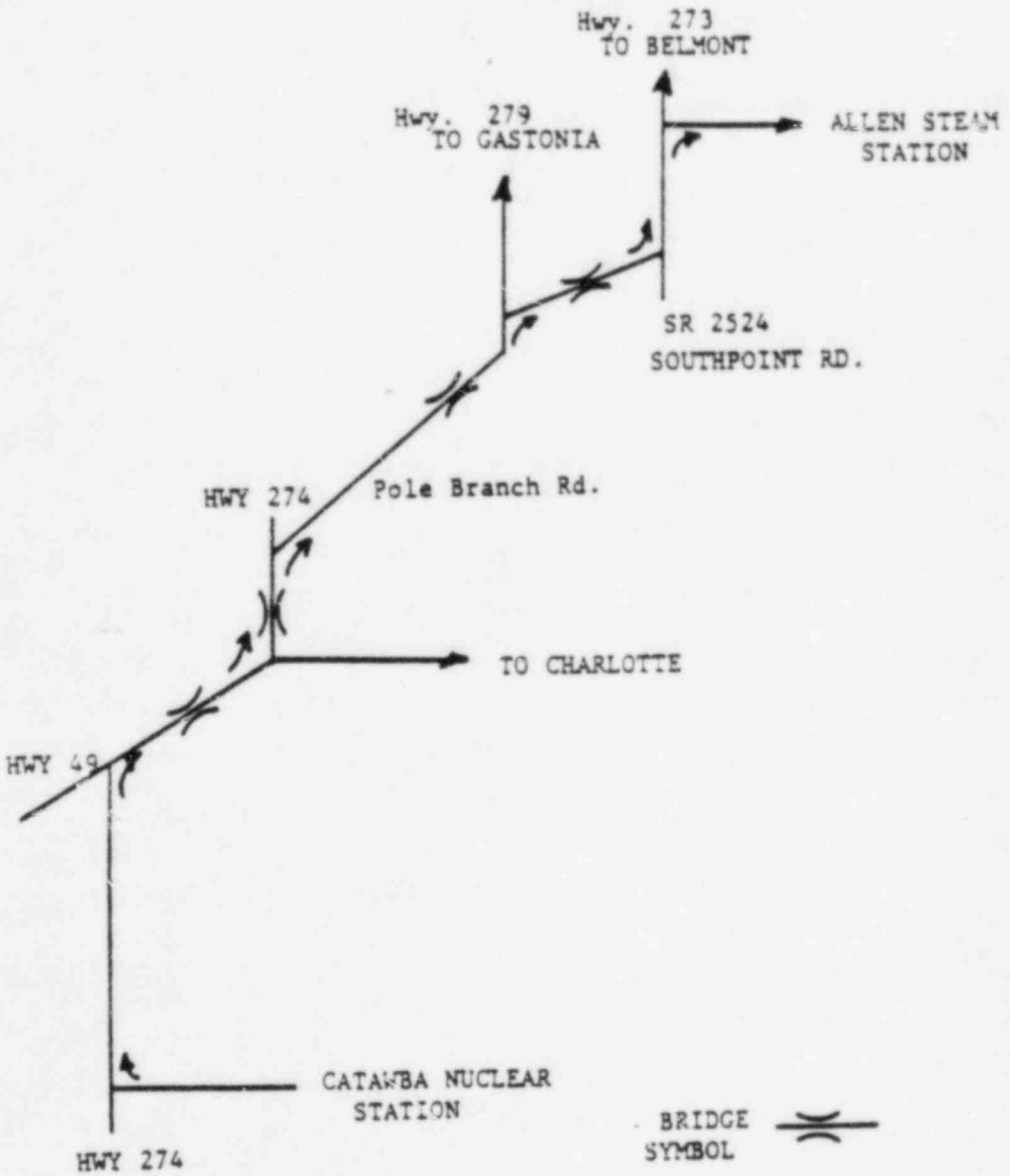
EVACUATION/RELOCATION SITE "ALPHA"
DUKE POWER CO. TRANSMISSION LINE WAREHOUSE
PARHAM ROAD (CR-54) YORK COUNTY



BRIDGE SYMBOL

CATAWBA NUCLEAR STATION
STATION DIRECTIVE 3.0.7 (TS)
ENCLOSURE 3

EVACUATION/RELOCATION SITE "BRAVO"
DUKE POWER CO. ALLEN STEAM STATION
SOUTHPOINT ROAD (SR2524) GASTON COUNTY



CATAWBA NUCLEAR STATION DIRECTIVE 3.8.4 (TS)

REV. NO. 14 DATE 1-27-86

APPROVAL J W Hampton

DUKE POWER COMPANY

CATAWBA NUCLEAR STATION

ONSITE EMERGENCY ORGANIZATION

1.0 PURPOSE

To define the role of the Emergency Coordinator and other members of the Onsite Emergency Organization in implementing the station Emergency Plan and to provide for augmentation of the normal operating shift during an emergency situation.

2.0 REFERENCES

2.1 Catawba Nuclear Station Emergency Plan

2.2 Catawba Nuclear Station Operations Management Procedure 1-8, "Authority and Responsibility of Licensed Reactor Operators and Licensed Senior Reactor Operators"

2.3 Station Directive 2.8.1 (TS) "Reporting Requirements"

2.4 Station Directive 3.0.7 (TS), Site Assembly/Evacuation.

3.0 RESPONSIBILITIES

3.1 Shift Supervisor - All emergencies are initially handled by the Shift Supervisor. The Shift Supervisor on duty will ensure that all immediate actions required by station emergency or abnormal procedures, applicable to the situation, are performed and that all actions necessary for the protection and safety of personnel and property are being taken.

3.2 Emergency Coordinator - The Shift Supervisor shall assume the function of the Emergency Coordinator until the arrival of the Station Manager or his designee at which time the functions of the Emergency Coordinator are transferred to the Station Manager or his designee.

The Shift Supervisor shall then continue to take actions necessary to ensure that the emergency situation is brought under control.

3.3 Recovery Manager - The responsibilities of the Emergency Coordinator will be assumed by the Recovery Manager at the Crisis Management Center (CMC) as this organization is staffed and ready to assume its function. This assumption of the Emergency Coordinator functions by the Recovery Manager, will take place for the Site Area Emergency and General Emergency classifications.

The Emergency Coordinator shall continue to take actions necessary to ensure that the emergency situation is brought under control and shall coordinate activities between the station and the CMC.

4.0 DUTIES

4.1 Shift Supervisor - immediate duties include the following:

4.1.1 Determine from the initiating conditions, the applicable Emergency Class.

4.1.2 Declare the Emergency as necessary and assume the functions the Emergency Coordinator.

4.1.3 Assign someone from the shift to begin the notifications as per applicable procedure.

4.1.4 Take necessary on-site remedial actions.

4.1.5 Initiate activation of the Technical Support Center and Operations Support Center.

4.1.6 Providing protective action recommendations to authorities responsible for implementing offsite emergency measures.

NOTE: This authority and responsibility shall not be delegated to other elements of the station emergency organization.

4.2 Station Manager/Emergency Coordinator - relieves the Shift Supervisor of the Emergency Coordinator function and assumes the responsibility for implementing the station Emergency Plan including:

4.2.1 Staffing the Technical Support Center and Operations Support Center with those personnel deemed necessary to effectively assess the emergency condition.

4.2.2 Instituting those procedures necessary to allow the Control Room to gain immediate control of the emergency situation.

4.2.3 Notification and activation of Crisis Management Team, county and state organizations and the Nuclear Regulatory Commission.

4.2.4 Providing protective action recommendations to authorities responsible for implementing off-site emergency measures.

NOTE: This authority and responsibility shall not be delegated to other elements of the station emergency organization.

4.2.5 Continued maintenance of an adequate state of emergency preparedness until the emergency situation has been effectively managed and the station is returned to a normal or safe operating condition.

4.3 Technical Support Center Staff - The Technical Support Center (TSC), location shown in Enclosure 4, will be activated and staffed to support the control room and coordinate emergency and/or recovery efforts with offsite groups, corporate headquarters, state and local government and the NRC. The station operating staff is used as the TSC staff in the emergency situation as deemed necessary by the Emergency Coordinator. Individuals with a TSC function will have a routine function that is similar to their role in an emergency.

4.3.1 Operations Group:

A. The Superintendent of Operations when designated, shall assume the duties of the Station Manager (first alternate).

Duties include:

1. Providing expertise to the Station Manager and the Shift Supervisor regarding solutions to operational problems.

2. Ensuring that each operating shift is manned with competent personnel trained and prepared to manage all emergency situations, and he shall augment his personnel resources as necessary to accomplish this goal.

3. Providing technical expertise to other members of the TSC.

4. Working closely with the Superintendent of Maintenance in restoring station equipment to an operational status during and after the emergency condition.

B. The Operating Engineer shall assume the duties of the Superintendent of Operations when so designated.

Duties include:

1. Providing technical expertise to the Superintendent of Operations and other members of the TSC as required.

2. Maintaining contact with Operations personnel in the Control Room.

C. The Assistant Operating Engineer shall assume the duties of the Operating Engineer when so designated.

Duties include:

1. Providing technical expertise to the Superintendent of Operations, the Operating Engineer and other members of the TSC as required.

2. Maintaining contact with the Operations personnel stationed in the Operations Support Center (OSC).

4.3.2 Technical Services Group:

A. The Superintendent of Technical Services shall assume the duties of the Station Manager when so designated (second alternate).

Duties include:

1. Providing expertise to the Station Manager and the Shift Supervisor (via the Operating Engineer) regarding solutions to operational problems.

2. Providing technical expertise to other members of the TSC in the areas of Health Physics, Chemistry, Performance and Reactor Engineering and in Licensing and Engineering support programs.

3. Ensuring that all areas of responsibility under his direction are staffed with competent personnel, properly trained and prepared to support any operational emergency condition.

B. The Health Physics Section of the TSC

1. The Station Health Physicist shall assume the duties of the Superintendent of Technical Services when so designated.

   Duties include:

   1. Providing technical expertise to the Superintendent of Technical Services, the Station Manager and other members of the TSC as required.

   2. Providing for the calculation and distribution of off-site dose determinations for releases of radioactive materials to the atmosphere.

   3. Making recommendations to the Station Manager through the Superintendent of Technical Services on Protective Actions necessary for limiting exposure to station personnel and members of the public.

   4. Working closely with the appropriate members of the Crisis Management Center to assure that radiological hazards during any emergency situations are minimized.

   5. Ensuring that all areas under his direction are staffed and prepared to manage Health Physics support for any emergency condition.

2. Health Physics S&C Coordinator shall coordinate and direct the actions of in plant radiological monitoring teams and provide data on plant radiological status.

3. H. P. Support Coordinator shall direct the actions of the remainder of the Health Physics functions.

4. Data Analysis Coordinator shall provide for the calculation and distribution of Off-site Dose projections and field monitoring information assessable by Health Physics personnel and relay this to the Station Health Physicist.

   The Data Analysis Coordinator shall also direct the Field Monitoring Coordinator as necessary to evaluate dose projections versus field data.

5. Field Monitoring Coordinator shall direct the actions of the field monitoring teams in gathering both on-site and off-site radiological data and make this information available to the Data Analysis Coordinator or Station Health Physicist. Constant communications will be maintained by a Radio Operator or by the use of plant or commercial telephone lines to the field teams.

6. Dose Assessor shall provide for the calculation of off-site Doses by any of several means available in the TSC.

C. The Station Chemist shall assume the duties of the Superintendent of Technical Services when so designated.

Duties include:

1. Providing technical expertise to the Superintendent of Technical Services and to other members of the TSC as required.

2. Coordinating chemical technical support.

3. Initiating necessary action to ensure adequate chemical sampling and evaluation to support the emergency condition.

4. Ensuring that all areas under his direction are staffed and prepared to manage Chemistry support for any emergency condition.

D. The Performance Section of the TSC:

1. The Performance Engineer shall assume the duties of the Superintendent of Technical Services when so designated.

Duties include:

1. Providing technical expertise to the Superintendent of Technical Services and to other members of the TSC as required.

2. Assuring that adequate levels of technical and engineering manpower are available to: manage test procedure review, carryout special test procedures, insure control and accountability of special nuclear materials, and evaluate plant and reactor performance.

3. Ensuring that all areas under his supervision are staffed and prepared to manage Performance support for any emergency condition.

2. Test Engineer shall assist the Performance Engineer in the evaluation of plant systems and transmission of information to the CMC.

3. A Performance Technician(s) will operate the TSC Operator Aid Computer Terminal to post and update plant status. This information will be transmitted through the VAX computer to other users.

4. The Reactor Engineer shall assume the duties of the Performance Engineer when so designated.

Duties include:

1. Providing technical expertise to the Performance Engineer and to other members of the TSC as required.

2. Ensuring control and accountability of Special Nuclear Materials.

E. The Compliance Engineer shall assume the duties of the Superintendent of Technical Services when so designated.

Duties include:

1. Coordinating station activities with regulating agencies.

2. Coordinating the reporting and investigation of all incidents.

3. Providing review of appropriate station technical matters.

F. Project Services Section of the TSC:

1. The Project Services Engineer shall assume the duties of the Superintendent of Technical Services when so designated.

Duties include:

1. Collection of information or data for transmission to offisite authorities.

2. Providing review of appropriate Engineering matters.

3. Ensuring that all areas under his direction are staffed and prepared to manage technical support for any emergency condition.

2. TSC Logkeeper shall record events that occur from the time of activation of the TSC and shall be directed by the Emergency Coordinator.

3. Offsite Communicator shall make follow-up notifications to State and/or County EOC's. The Offsite Communicator will proceed to the Control Room when the TSC is activated to assist with notifications until the Station Manager assumes duties of the Emergency Coordinator.

4.3.3 Station Services Group:

A. The Superintendent of Station Services when designated shall assume the duties of the Station Manager (fourth alternate).

Duties include:

1. Providing technical expertise to the Station Manager and to the Shift Supervisor (via the Operating Engineer) regarding solutions to administrative problems associated with emergency conditions at the station.

2. Providing technical expertise to other members of the TSC in the area of Contract Services, Security, Training and Safety, and Administrative Coordination.

3. Ensuring that all areas under his direction are staffed and prepared to manage administrative support for any emergency condition.

B. The Security and Contract Coordinator shall assume the duties of the Superintendent of Station Services when so designated.

Duties include:

1. Providing technical expertise to the Superintendent of Station Services and to other members of the TSC as required.

2. Coordinating Security and Contract Services for the station.

3. Ensuring that all areas under his direction are staffed and prepared to manage Security and Contract Services for any emergency condition.

C. The Administrative Coordinator shall assume the duties of the Superintendent of Station Services when so designated.

Duties include:

1. Providing technical expertise to the Superintendent of Station Services and to other members of the TSC as required.

2. Coordinating and maintaining general administrative functions and for contacting the TSC clerk(s) as needed.

3. Ensuring that all areas under her direction are staffed and prepared to manage administrative functions during any emergency condition.

D. The Training and Safety Coordinator shall assume the duties of the Superintendent of Station Services when so designated.

Duties include:

1. Providing technical expertise to the Superintendent of Station Services and to other members of the TSC as required.

2. Coordinating the station training and safety activities, Fire Protection and Medical Services in support of the emergency organization.

3. Ensuring that all areas under her direction are staffed and prepared to provide needed training and safety evaluations during any emergency condition.

4.3.4 Maintenance Group:

A. The Superintendent of Maintenance when designated, shall assume the duties of the Station Manager (third alternate).

Duties include:

1. Providing technical expertise to the Station Manager and the Superintendent of Operations regarding solutions to operational problems.

2. Providing technical expertise to other members of the TSC in areas of Mechanical Maintenance, Planning, Instrument and Electrical Maintenance, and Materials Support.

3. Ensuring that all areas of responsibility under his direction are staffed with competent personnel properly trained and prepared to support any operational emergency condition.

B. The Mechanical Maintenance Engineer shall assume the duties of the Superintendent of Maintenance when so designated.

Duties include:

1. Providing technical expertise to the Superintendent of Maintenance and to other members of the TSC as required.

2. Providing preventative and actual maintenance for all station mechanical equipment and facilities.

3. Ensuring that all areas under his direction are staffed and prepared to manage maintenance support for any emergency condition.

C. The Planning Engineer shall assume the duties of the Superintendent of Maintenance when so designated.

Duties include:

1. Providing technical expertise to the Superintendent of Maintenance and to other members of the TSC as required.

2. Implementation and evaluation of the maintenance management program and for the administration of the materials procurement program.

3. Ensuring that all areas under his direction are staffed and prepared to manage planning and materials support for any emergency condition.

D. The Instrument and Electrical Engineer shall assume the duties of the Superintendent of Maintenance when so designated.

Duties include:

1. Providing technical expertise to the Superintendent of Maintenance and to other members of the TSC as required.

2. Maintaining all station I&E equipment in an operational state.

3. Station contact with the Transmission Department personnel in the event of loss of offsite power.

4. Ensuring that all areas under his direction are staffed and prepared to manage I&E support for any emergency condition.

4.3.5 Integrated Scheduling Group:

A. The Superintendent of Integrated Scheduling shall assume the duties of the Station Manager when so designated (fifth alternate).

Duties include:

1. Providing expertise to the Station Manager and Shift Supervisor regarding solutions to operational problems.

2. Providing technical expertise to the other members of the TSC in the areas of Unit Scheduling.

3. Ensuring that all areas of responsibility under his direction are staffed with competent personnel, properly trained and prepared to support any operational emergency condition.

4.4 Operations Support Center Staff

4.4.1 The Operations Support Center (OSC), location shown in Enclosure 5, shall be activated by the Emergency Coordinator in accordance with the applicable Emergency Procedure. The OSC will be staffed and organized as per Enclosure 3 or as deemed necessary by the Shift Supervisor or Station Manager. Those personnel assigned to the OSC shall be under the control of the OSC Coordinator designated by the Emergency Coordinator. The OSC Coordinator will normally be someone from the Operations Supervisory group, such as an Assistant Shift Supervisor, Assistant Operating Engineer, Shift Supervisor, etc.

4.4.2 The Operations Support Center shall include as a minimum the following personnel:

A. Operations: Operators on shift who are not actually assigned to the control room and additional operations people on site or called out as required by the Shift Supervisor or Station Manager.

B. Health Physics: A Health Physics Supervisor and five technicians as deemed necessary by the Station Health Physicist. The Health Physics Supervisor shall work closely with the OSC Coordinator in charge and shall maintain contact with the HP S&C Coordinator in the TSC.

C. Other station groups as necessary.

4.4.3 In the event that the Operations Support Center becomes environmentally uninhabitable due to radiological or other conditions, the OSC shall move to the rear of the Control Room or to other facilities as applicable.

5.0 ACTIVATION OF EMERGENCY ORGANIZATION

5.1 Phased Activation of TSC Organization

5.1.1 Selected station personnel are notified of situations classified as Unusual Events by Emergency Response Procedure, RP/0/A/5000/02. These individuals shall then respond as appropriate and shall notify any additional personnel in their organization to respond as needed. At the Alert class or greater TSC activation is required, either full or partial as deemed necessary by the Station Manager.

5.1.2 To effectively respond to an emergency situation and to avoid unnecessary personnel from being activated, the TSC is divided into a Phase I and II organization, with other TSC personnel as needed. The Station Manager may activate Phase I separately or both Phase I and II jointly (Phase II is never activated without prior activation of Phase I).

5.1.3 See Enclosure 6 for Notification Mechanism.

5.2 Phase I of the Technical Support Center

5.2.1 Phase I of the Technical Support Center organization shall be staffed and organized as indicated below or as deemed necessary by the Station Manager.

NOTE: See Enclosure (1) for TSC organization.

5.2.2 Personnel assigned to Phase I of TSC shall be capable of supplementing the on-shift Emergency Response within 30 to 45 minutes of notification.

A. The Station Manager/Emergency Coordinator
B. Group Superintendents
C. Station Health Physicist
D. Performance Engineer
E. Instrument and Electrical Engineer
F. Offsite Communicator
G. Fielding Monitoring Coordinator
H. Data Analysis Coordinator
I. S & C Coordinator
J. HP Support Coordinator
K. Reactor Engineer
L. Project Services Engineer
M. Dose Assessor

5.2.3 In the event that the Technical Support Center becomes environmentally uninhabitable due to radiological or other conditions and the Control Room remains secure (habitable), Phase I of the TSC shall move inside the Control Room area. In the event the Control Room also becomes uninhabitable due to radiological or other conditions, Phase I of the TSC shall move to the Administration Building or to other facilities as applicable.

5.3 Phase II of the Technical Support Center

5.3.1 Phase II of the Technical Support Center organization shall be staffed and organized as indicated below or as deemed necessary by the Station Manager.

A. Operating Engineer
B. Assistant Operating Engineer
C. The Station Chemist
D. The Test Engineer
E. Performance Technician(s)
F. The Compliance Engineer
G. The Mechanical Maintenance Engineer
H The Security & Contract Coordinator
I. The Training and Safety Coordinator

5.3.2 Personnel assigned to Phase II of TSC shall be capable of supplementing the on-shift Emergency Response within 45 to 75 minutes of notification.

5.3.3 In the event that the Technical Support Center becomes environmentally uninhabitable due to radiological or other conditions, Phase II of the TSC shall move to the Administration Building or to other facilities as applicable, when directed by the Station Manager.

5.4 Site Evacuation

5.4.1 At the Site Area Emergency class, Group Superintendents shall develop a list of all essential personnel that will remain onsite.

5.4.2 Health Physics shall determine the habitability of the TSC, OSC & Control Room for the protection of station personnel remaining onsite after the Site Evacuation.

5.5 Other TSC Personnel

5.5.1 Full activation of the TSC is as shown in Enclosure (1). Other personnel not specified as part of the Phase I and II staff but still necessary for TSC are as indicated below:

A. The Integrated Scheduling Superintendent
B. The Administrative Coordinator
C. The Planning Engineer
D. Clerks as needed, determined by Group Superintendents
E. TSC Logkeeper
F. Radio Operator
G. Westinghouse Representative
H. Transmission Department Representative
I. Community Relations Representative

5.6 OSC Notification

5.6.1 Operations personnel will be notified by the Operation's Duty Engineer or someone designated either by station phone or home phone as required.

5.6.2 Health Physics personnel will be notified by the Station Health Physicist either by station phone or home phone as required.

6.0 EMERGENCY ORGANIZATION SUPPORT

6.1 Clerical assistance for the Station Manager and the five station superintendents will be provided by one of their normally assigned clerks. Notification of this individual will be made by the Administrative Coordinator.

6.2 Food and beverage will be supplied to the TSC and OSC as appropriate for the time of day. After initial staffing of the TSC and OSC, coffee and snack material may be provided by the Administrative group.

6.3 Station Fire Brigade

6.3.1 The fire brigade shall have its normal functions of fire fighting in an emergency situation as needed.

6.3.2 In the event of an emergency requiring activation of the Technical Support Center Phase I & II, the Station Fire Chief or his designee shall make frequent reports to the Training and Safety Coordinator regarding the status of any fires.

6.3.3 The Station Fire Chief or his designee shall also coordinate and direct the services of any outside fire departments called upon to assist in fire fighting on station property.

6.4 Station Security

6.4.1 The security force will have its normal function of station security in an emergency situation.

6.4.2 In the event of an emergency requiring activation of the Technical Support Center Phase I & II, the Security Shift Lieutenant or his designee shall make frequent reports to the Security and Contract Coordinator regarding the status of any security violations, threats or civil disturbances.

6.4.3 The Security Shift Lieutenant shall also coordinate and direct the services of any Local Law Enforcement Agencies called upon to assist in an emergency situation.

6.4.4 The Security Shift Lieutenant shall inform the Security and Contract Coordinator in the TSC of the status of Site Assembly/Evacuation.

6.5 Evacuation Coordinator

6.5.1 In the event of a site evacuation, the Evacuation Coordinator shall be the overall person in charge at the evacuation site.

A. This position reports to the Emergency Coordinator or his designee for matters pertaining to personnel disposition, and status of the evacuation.

B. All evacuated supervisory personnel will in turn report to the Evacuation Coordinator.

6.5.2 The Emergency Coordinator shall notify the Evacuation Coordinator of the need for a Site Evacuation.

7.0 TRAINING & DRILLS

7.1 Initial Training

7.1.1 Training will be provided for Onsite Emergency Organizations personnel, prior to their being listed in Enclosure 1 of this directive.

7.1.2 Chemistry, Health Physics, Maintenance, Operations, and Security personnel and will receive training as a part of their regular shift training or as scheduled by their respective groups.

7.2 Annual Training

7.2.1 Emergency Organization personnel will receive annual retraining as described by CNSD 2.5.2, Emergency Response Training.

7.3 Drills

7.3.1 Practice drill sessions will be held for each group within the organization to allow the individuals to perform their assigned functions.

7.3.2 The drill instructor will make corrections of performance as needed, during the drill.

7.3.3 The drill scenario, participants names and evaluation will be documented and any deficiencies will be corrected.

8.0 ENCLOSURES

Enclosure (1) Technical Support Center Staff - Phase I & II

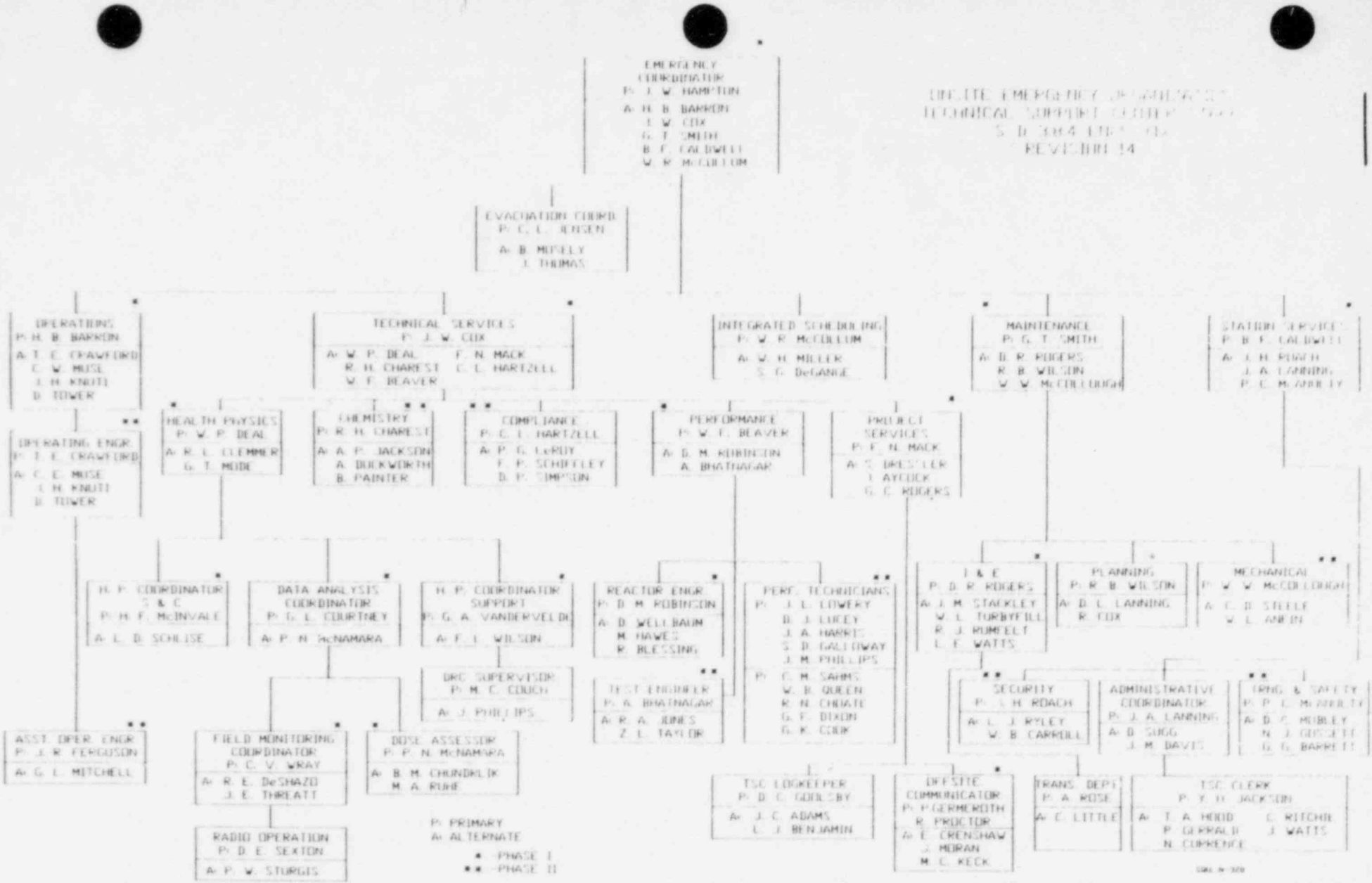
Enclosure (2) Technical Support Center Telephone Activation

Enclosure (3) Operations Support Center Personnel

Enclosure (4) TSC Location

Enclosure (5) OSC Location

Enclosure (6) Notification Mechanism


EMERGENCY COORDINATOR
P: J. W. HAMPTON
A: H. B. BARRON
T. W. COX
G. T. SMITH
B. F. CALDWELL
W. R. McCOLLUM
EVACUATION COORD.
P: C. L. JENSEN
A: B. MEFELY
J. THOMAS
OPERATIONS
P: H. B. BARRON
A: T. E. CRAWFORD
C. W. MUSE
J. M. KNOTT
D. TOWER
TECHNICAL SERVICES
P: J. W. COX
A: W. P. BEAL
R. H. CHAREST
W. F. BEAVER
F. N. MACK
C. L. HARTZELL
INTEGRATED SCHEDULING
P: W. R. McCOLLUM
A: W. H. MILLER
S. G. DeGANGE
MAINTENANCE
P: G. T. SMITH
A: D. R. ROGERS
R. B. WILSON
W. W. McCOLLOUGH
STATION SERVICE
P: B. F. CALDWELL
A: J. M. POWER
J. A. LANNING
P. C. McAVELY
OPERATING ENGR.
P: T. E. CRAWFORD
A: C. E. MUSE
J. M. KNOTT
D. TOWER
HEALTH PHYSICS
P: W. P. BEAL
A: R. L. CLEMMER
G. T. MEDE
CHEMISTRY
P: R. H. CHAREST
A: A. P. JACKSON
A. BUCKWORTH
B. PAINTER
COMPLIANCE
P: C. L. HARTZELL
A: P. G. LeROY
F. P. SCHIFFLEY
D. P. SIMPSON
PERFORMANCE
P: W. F. BEAVER
A: D. M. ROBINSON
A. BHATNAGAR
PROJECT SERVICES
P: F. N. MACK
A: S. DRESTER
J. AYCOCK
G. C. ROGERS
H. P. COORDINATOR S & C
P: H. F. McINVALE
A: L. B. SCHULSE
DATA ANALYSIS COORDINATOR
P: G. L. COURTNEY
A: P. N. McNAMARA
H. P. COORDINATOR SUPPORT
P: G. A. VANDERVELDE
A: F. L. WILSON
REACTOR ENGR.
P: D. M. ROBINSON
A: D. WELLBAUM
M. HAWES
R. BLESSING
PERT. TECHNICIANS
P: J. L. LOWERY
B. J. LUCEY
J. A. HARRIS
S. D. GALLOWAY
J. M. PHILLIPS
P: C. M. SAHMS
W. B. QUEEN
R. N. CHEATE
G. F. DIXON
G. K. COOK
I & E
P: D. R. ROGERS
A: J. M. STACKLEY
W. L. TURBYFILL
R. J. RUMFELT
L. E. WATTS
PLANNING
P: R. B. WILSON
A: D. L. LANNING
R. COX
MECHANICAL
P: W. W. McCOLLOUGH
A: C. D. STEELE
W. L. ARBIN
ASST. OPER. ENGR.
P: J. R. FERGUSON
A: G. L. MITCHELL
FIELD MONITORING COORDINATOR
P: C. V. WRAY
A: R. E. DeSHAZO
J. E. THREATT
DOSE ASSESSOR
P: P. N. McNAMARA
A: B. M. CHUNDRLIK
M. A. RUNE
DRC SUPERVISOR
P: M. C. COUCH
A: J. PHILLIPS
TEST ENGINEER
P: A. BHATNAGAR
A: R. A. JONES
Z. L. TAYLOR
SECURITY
P: L. H. ROACH
A: L. J. RYLEY
W. B. CARROLL
ADMINISTRATIVE COORDINATOR
P: J. A. LANNING
A: B. SUGG
J. M. DAVIS
TRNG. & SAFETY
P: P. L. McAVELY
A: D. C. MOBLEY
N. J. GISCLETT
G. G. BARRETT
RADIO OPERATION
P: D. E. SEXTON
A: P. W. STURGIS
TSC LOGKEEPER
P: D. C. GOOLSBY
A: J. C. ADAMS
L. J. BENJAMIN
OFFSITE COMMUNICATOR
P: P. GERMEROTH
R. PROCTOR
A: E. CRENSHAW
J. MORAN
M. C. KECK
TRANS. DEPT.
P: A. ROSE
A: C. LITTLE
TSC CLERK
P: Y. D. JACKSON
A: T. A. HOOD
P. GERALD
N. CURRENCE
C. RITCHIE
J. WATTS
P: PRIMARY
A: ALTERNATE
* PHASE I
** PHASE II

ONSITE EMERGENCY ORGANIZATION
TELEPHONE ACTIVATION

All telephone numbers will be AREA CODE 803 unless otherwise noted.

Emergency Coordinator/Station Manager

P:	J. W. Hampton	O:	2300
		H:	366-5300
A:	H. B. Barron	O:	2304
		H:	704-552-5443 or 704-892-3730
A:	J. W. Cox	O:	2303
		H:	329-1607
A:	G. T. Smith	O:	2302
		H:	704-864-2089
A:	B. F. Caldwell	O:	2305
		H:	704-825-5794
A:	W. R. McCollum	O:	3101 Beeper: 316
		H:	704-846-4399

Superintendent of Integrated Scheduling

P:	W. R. McCollum	O:	3101 Beeper: 316
		H:	704-846-4399
A:	W. H. Miller	O:	2465
		H:	704-263-1859
A:	S. G. DeGange	O:	2500
		H:	328-2724

Evacution Coordinator

P:	C. L. Jensen	O:	2436
		Beeper:	808
		H:	366-7695
A:	B. J. Mosely	O:	2504
		Beeper:	225
		H:	329-2649
A:	J. R. Thomas	O:	2568
		H:	366-2874
		Bepper:	224

NOTE: P: Primary A: Alternate O: Office H: Home

All telephone numbers will be AREA CODE 303 unless otherwise noted.

Superintendent of Operations

P:	H. B. Barron	O:	2304
		H:	704-552-5443 or 704-892-3730
A:	T. E. Crawford	O:	2384
		H:	366-3481
A:	C. E. Muse	O:	2385
		H:	329-1284
A:	J. H. Knuti	O:	2426
		H:	366-3318
A:	D. Tower	O:	2427
		H:	831-1023

Operating Engineer

P:	T. E. Crawford	O:	2384
		H:	366-3481
A:	C. E. Muse	O:	2385
		H:	329-1284
A:	J. H. Knuti	O:	2426
		H:	366-3318
A:	D. Tower	O:	2427
		H:	831-1023

Asst. Operating Engineer

P:	J. R. Ferguson	O:	2430
		H:	366-8474
A:	G. L. Mitchell	O:	3141
		H:	366-2081

All telephone numbers will be AREA CODE 803 unless otherwise noted.

Superintendent of Technical Service

P:	J. W. Cox	O:	2303
		H:	329-1607
A:	W. P. Deal	O:	2599
		H:	547-4286
A:	R. H. Charest	O:	2531
		H:	684-7357
A:	W. F. Beaver	O:	2396
		H:	704-366-7198
A:	C. L. Hartzell	O:	2785
		H:	366-9569
A:	F. N. Mack	O:	2781
		H:	547-7688

Health Physics

P:	W. P. Deal	O:	2599
		H:	547-4286
A:	R. L. Clemmer	O:	2575
		H:	704-922-8519
A:	G. T. Mode	O:	2587
		H:	222-7142

Compliance Engineer

P:	C. L. Hartzell	O:	2785
		H:	366-9569
A:	F. P. Schiffley	O:	3120
		H:	704-541-0982
A:	P. G. LeRoy	O:	2783
		H:	704-377-9737
A:	D. P. Simpson	O:	2789
		H:	366-4065

Chemistry

P:	R. H. Charest	O:	2531
		H:	684-7357
A:	R. L. Painter	O:	2533
		H:	489-9659
A:	A. P. Jackson	O:	2532
		H:	366-8541
A:	A. Duckworth	O:	2473
		H:	704-263-2635

Performance Engineer

P:	W. F. Beaver	O:	2369
		H:	704-366-7198
A:	A. S.Bhatnager	O:	2370
		H:	704-541-3552
A:	D. M. Robinson	O:	2386
		H:	222-9405

Projects Services Engineer

P:	F. N. Mack	O:	2781
		H:	547-7688
A:	S. W. Dressler	O:	2798
		H:	684-2494
A:	J. M. Aycock	O:	2795
		H:	328-9761
A:	G. C. Rogers	O:	2796
		H:	831-1423

Reactor Engineer

P:	D. M. Robinson	O:	2386
		H:	222-9405
A:	M. Hawes	O:	2371
		H:	547-2552
A:	D. Wellbaumn	O:	2396
		H:	328-8481
A:	B. Blessing	O:	2299
		H:	704-553-7288

Test Engineer

P:	A. S. Bhatnager	O:	2370
		H:	704-541-3552
A:	R. A. Jones	O:	2447
		H:	704-843-3074
A:	Z. L. Taylor	O:	2414
		H:	548-3094

TSC Logkeeper

P:	D. C. Goolsby	O:	2793
		H:	327 5708
A:	J. Adams	O:	2791
		H:	366-8236
A:	L. J. Benjamin	O:	2787
		H:	704-541-5580

All telephone numbers will be AREA CODE 803 unless otherwise noted.

H. P. Coordinator S&C

P:	H. F. McInvale	O:	2584
		H:	704-588-5088
A:	L. D. Schlise	O:	2574
		H:	366-2106

H. P. Support Coordinator

P:	G. A. Vandervelde	O:	2597
		H:	222-3869
A:	F. L. Wilson	O:	2586
		H:	704-542-0911

Offsite Communicator

P:	P. W. Germeroth	O:	3121
		H:	366-5217
A:	R. Proctor	O:	2794
		H:	327-9613
A:	E. M. Crenshaw	O:	2792
		H:	329-4479
A:	J. P. Moran	O:	2786
		H:	704-541-6535
A:	M. C. Keck	O:	3120
		H:	327-9105

Performance Technician

A:	M. Sahms	O:	2323
		H:	704-867-5507
P:	J. Lowery	O:	2835
		H:	704-861-0985
A:	G. Dixon	O:	2324
		H:	831-8553
A:	G. K. Cook	O:	2387
		H:	285-4438
P:	J. A. Harris	O:	2366
		H:	684-7190
P:	J. Phillips	O:	2387
		H:	327-9158
P:	D. Lucey	O:	2366
		H:	329-1386
A:	R. Choate	O:	2324
		H:	222-4695
P:	S. D. Galloway	O:	2387
		H:	936-9172
A:	W. B. Queen	O:	2318
		H:	704-824-8332

Data Analysis Coordinator

P:	G. L. Courtney	O:	2577
		H:	704-542-9185
A:	P. N. McNamara	O:	2583
		H:	704-865-7192

Field Monitoring Coordinator

P:	C. V. Wray	O:	2598
		H:	329-1953
A:	R. E. DeShazo	O:	2595
		H:	704-341-0644
A:	J. E. Threatt	O:	2588
		H:	366-6267

Radio Operator

P:	D. E. Sexton	O:	2581
		H:	684-7364
A:	P. W. Sturgis	O:	2588/2255
		H:	329-5737

Dose Assessor

P:	P. N. McNamara	O:	2583
		H:	704-865-7192
A:	B. M. Chundrlik	O:	2557
		H:	704-527-9716
A:	M. A. Ruhe	O:	2558
		H:	704-529-5189

All telephone numbers will be AREA CODE 803 unless otherwise noted.

Superintendent of Maintenance

P:	G. T. Smith	O:	2302
		H:	704-864-2089
A:	D. R. Rogers	O:	2359
		H:	704-825-5505
A:	R. B. Wilson	O:	2394
		H:	327-5938
A:	W. W. McCollough:	O:	704-735-9554

Planning Engineer

P:	R. Wilson	O:	2394
		H:	327-5938
A:	D. Lanning	O:	2717
		H:	366-9060
A:	R. Cox	O:	2708
		H:	366-1292

I&E Engineer

P:	D. R. Rogers	O:	2359
		H:	704-825-5505
A:	L. E. Watts	O:	3012
		H:	704-825-9630
A:	J. Stackley	O:	2624
		H:	684-4422
A:	W. L. Turbyfill	O:	2622
		H:	704-827-1419
A:	R. J. Rumpfelt	O:	2621
		H:	704-867-7522

Mechanical Engineer

P:	W. W. McCollough	O:	2390
		H:	704-735-9554
A:	C. D. Steele	O:	2439
		H:	704-865-9124
A:	W. L. Anfin	O:	2702
		H:	327-5924

Transmission

A:	C. Little	O:	2837
		H:	831-1678
P:	A. Rose	O:	2445
		H:	704-542-6656

NOTE: P: Primary A: Alternate O: Office H: Home

All telephone numbers will be AREA CODE 803 unless otherwise noted.

Superintendent of Station Services

P:	B. F. Caldwell	O:	2305
		H:	704-825-5794
A:	J. Roach	O:	2326
		H:	327-1019
A:	J. A. Lanning	O:	2310
		H:	366-9060
A:	P. McAnulty	O:	2319
		H:	704-588-3327

Administrative Coordinator

P:	J. Lanning	O:	2310
		H:	366-9060
A:	D. B. Suggs	O:	2321
		H:	704-547-4484
A:	J. Davis	O:	2321
		H:	366-4391

Training & Safety

P:	P. McAnulty	O:	2319
		H:	704-588-3327
A:	D. Mobley	O:	2740
		H:	704-847-5212
A:	J. Gossett	O:	2734
		H:	222-7786
A:	G. Barrett	O:	2322
		H:	684-3224

Security & Contract Coodinator

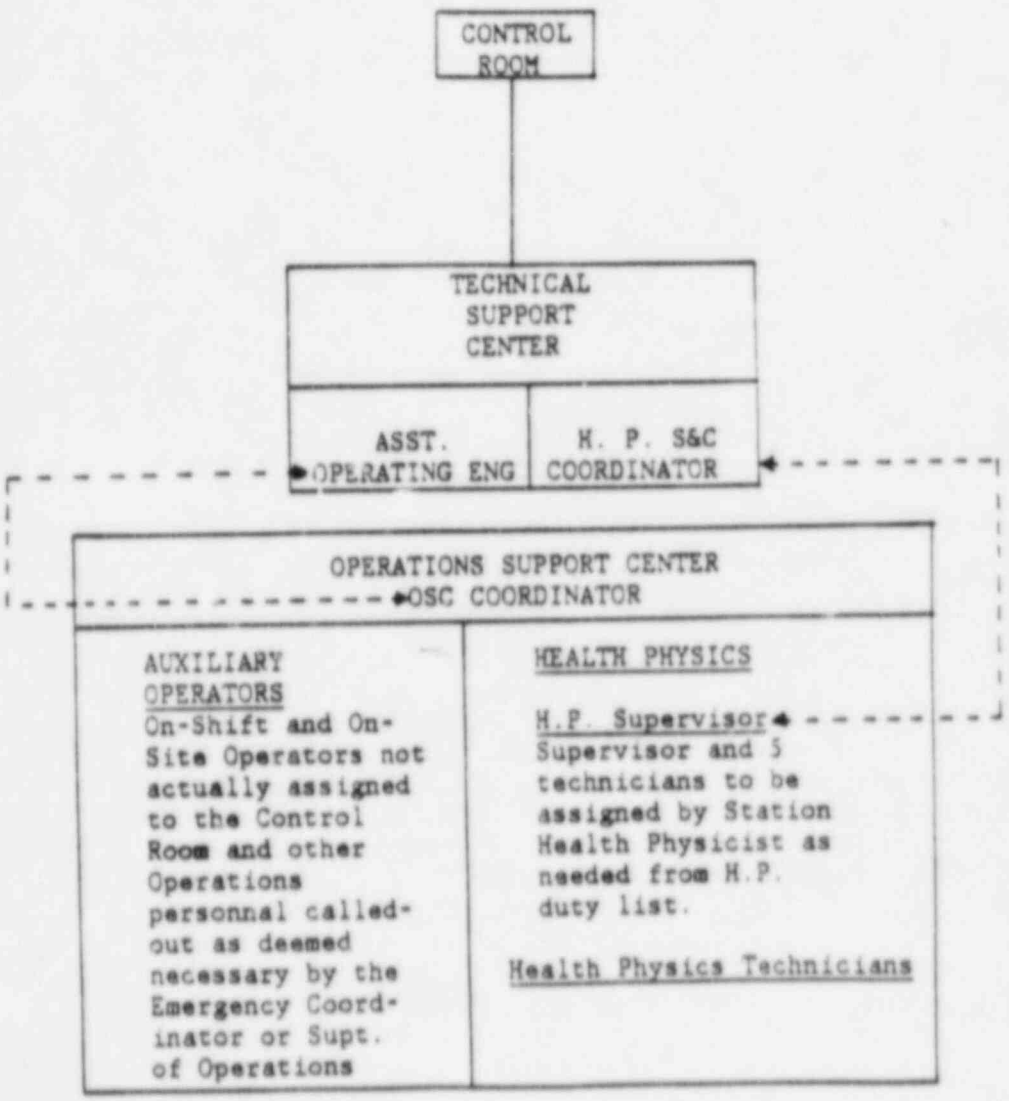
P:	J. Roach	O:	2326
		H:	327-1019
A:	L. Ryley	O:	2644
		H:	366-1106
A:	W. B. Carroll	O:	2452
		H:	366-2016

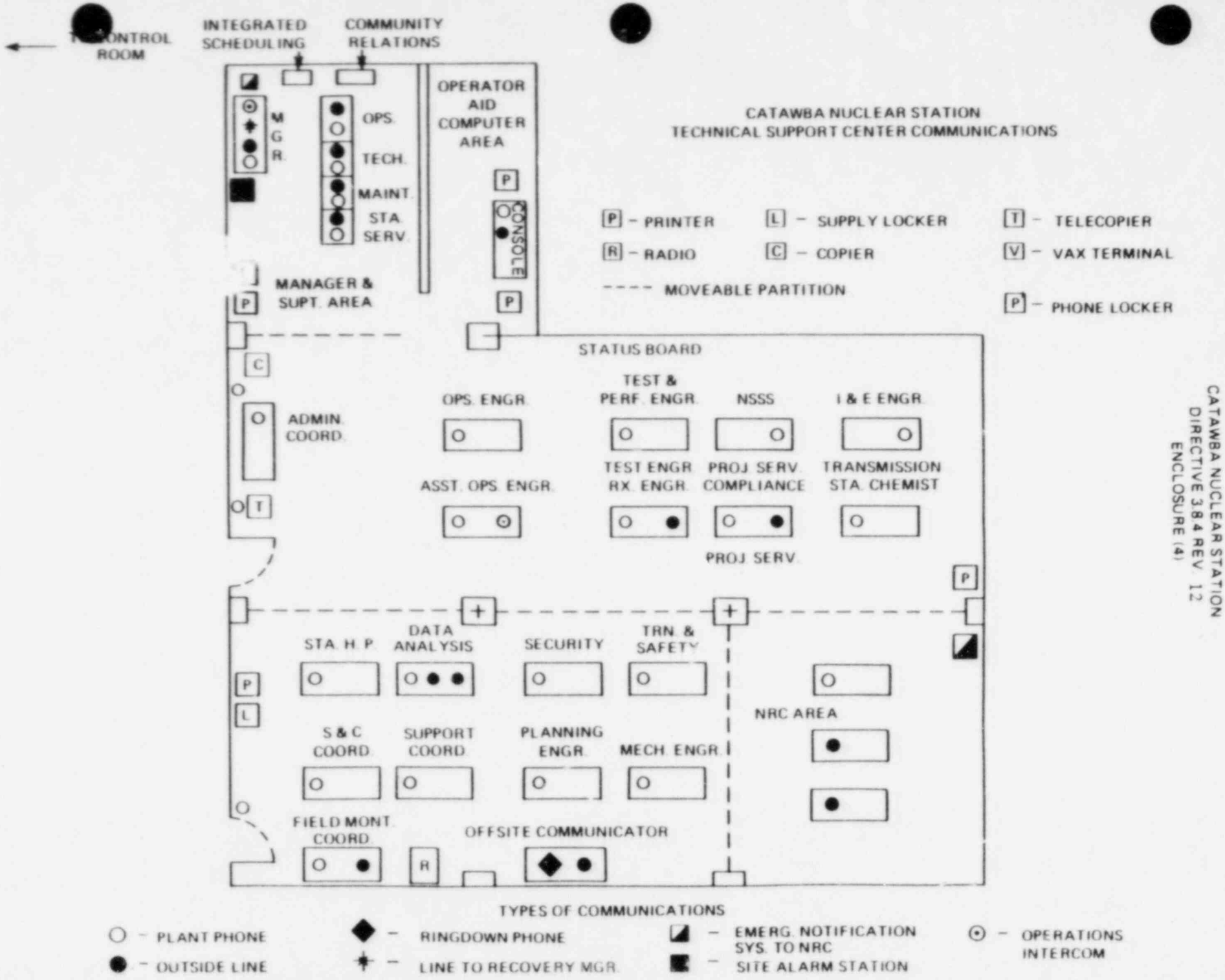
TSC Clerks

P:	Y. Jackson	O:	2301
		H:	831-8600
A:	T. Hood	O:	2308
		H:	366-9296
A:	P. Gerrald	O:	2600
		H:	366-8658
A:	N. Currence	O:	2306
		H:	684-2875
A:	C. Ritchie	O:	2307
		H:	704-825-2415
A:	J. Watts	O:	3103
		H:	704-825-9630

ONSITE EMERGENCY ORGANIZATION

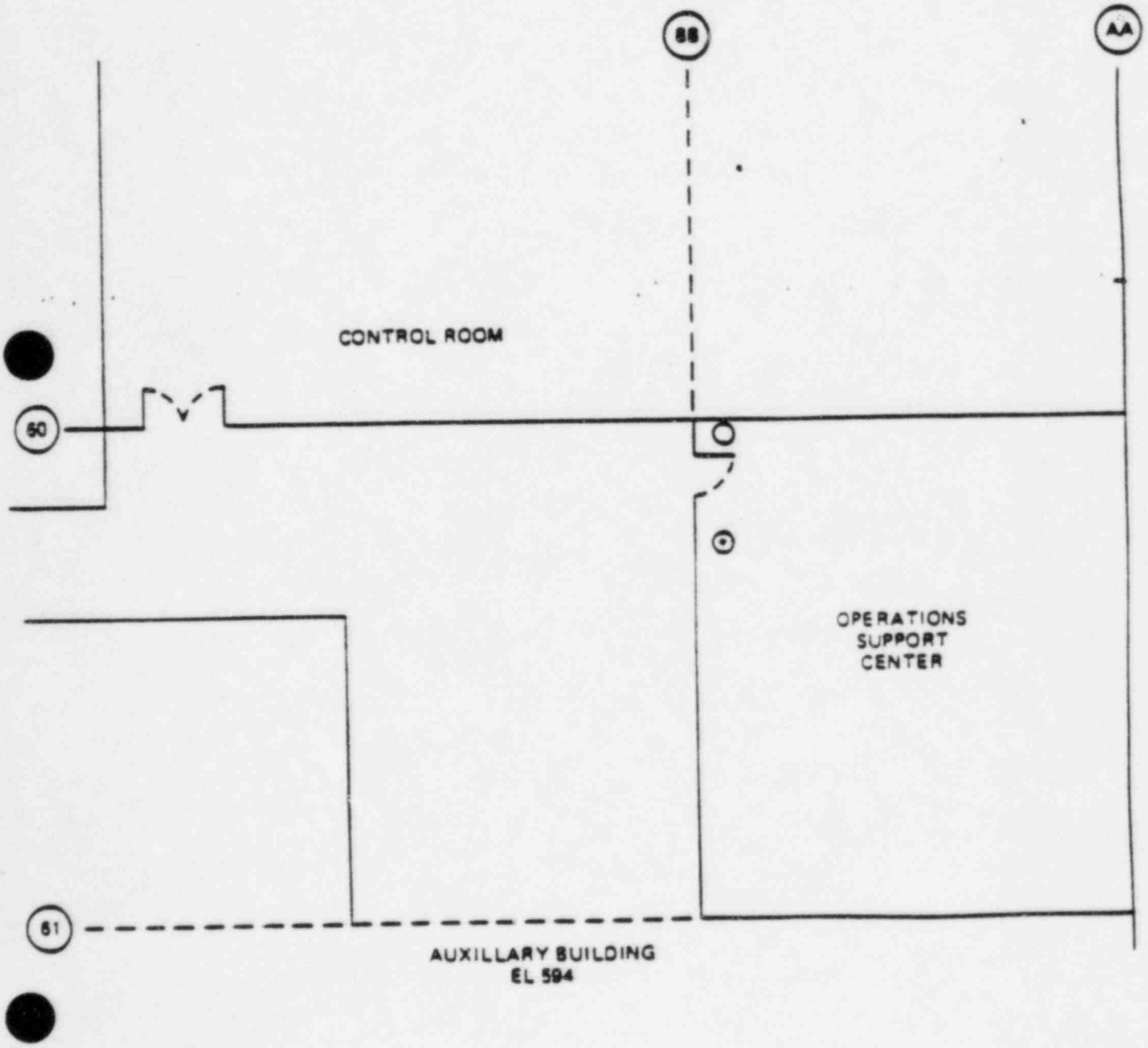
OPERATIONS SUPPORT CENTER



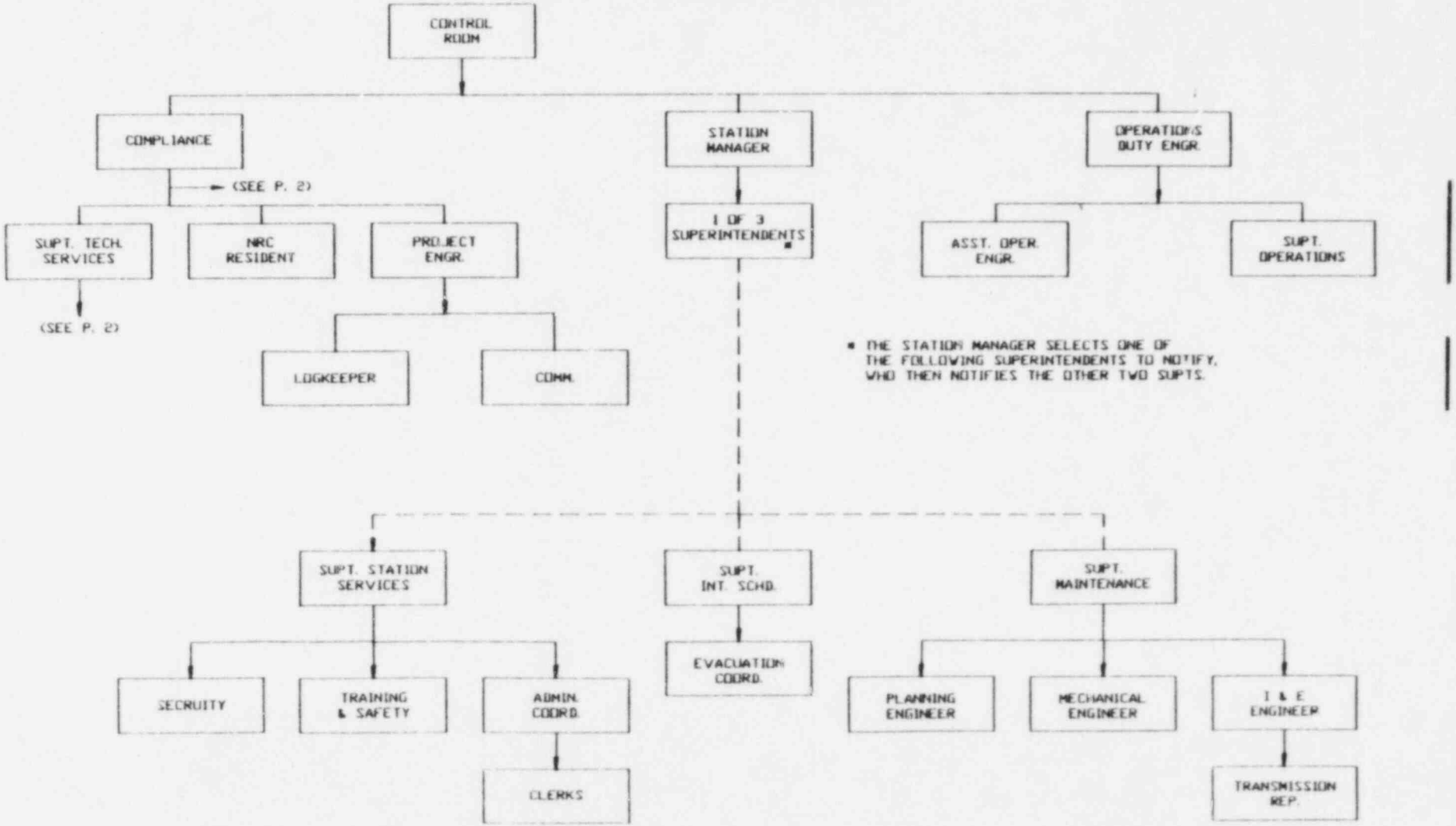


CATAWBA NUCLEAR STATION
DIRECTIVE 3.8.4 REV. 12
ENCLOSURE (4)

CATAWBA NUCLEAR STATION
OPERATIONS SUPPORT CENTER

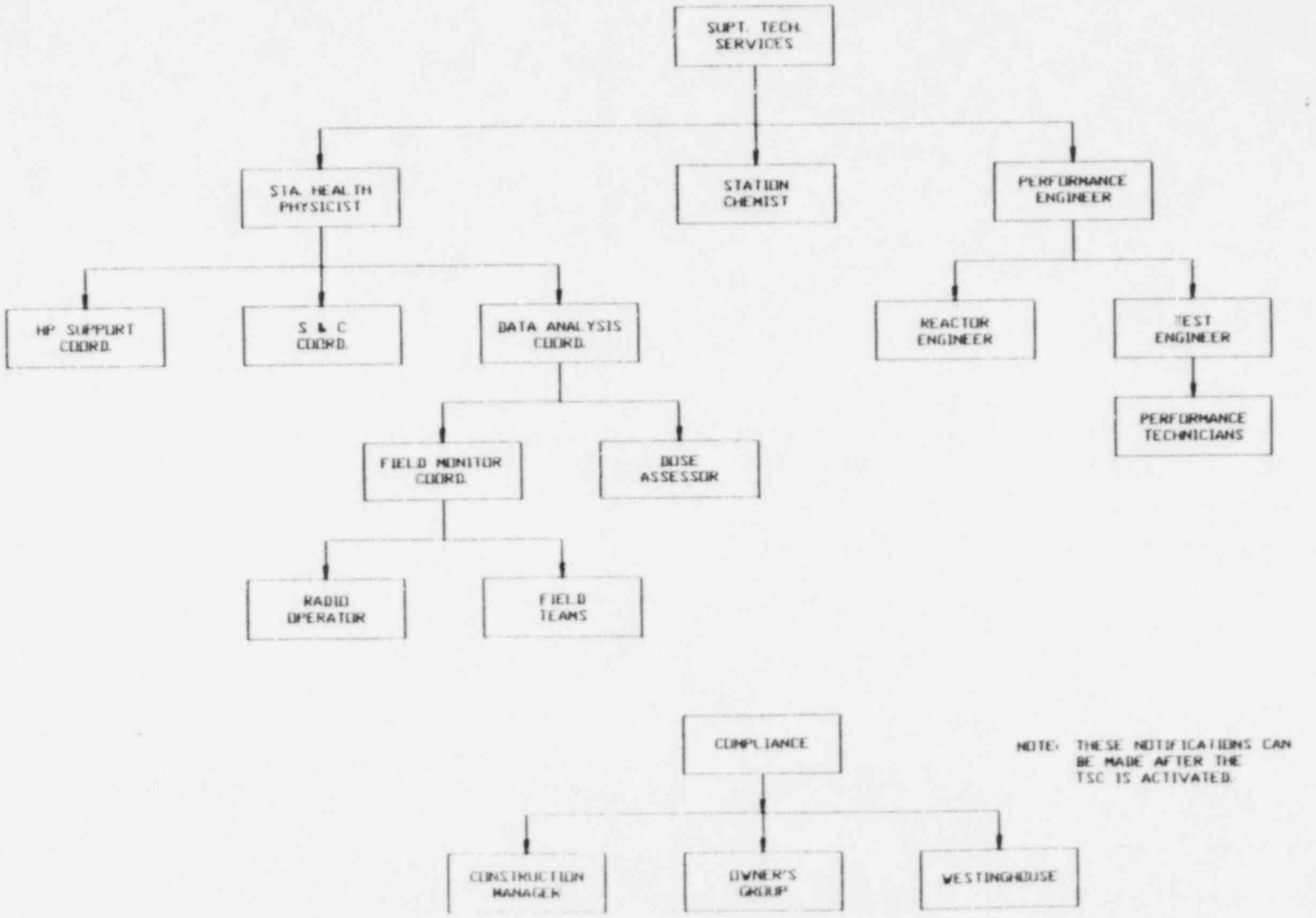


CATAWBA NUCLEAR STATION
EVENT NOTIFICATION TREE
S.D. 3.8.4. ENCL. 6



SQN N-320A

CATAWBA NUCLEAR STATION
EVENT NOTIFICATION TREE
S.D. 3.8.4 ENCL. 6



NOTE: THESE NOTIFICATIONS CAN BE MADE AFTER THE TSC IS ACTIVATED.

SQN 4-3208

Form 34731 (3-84)

(1) ID No. HP/O/B/1000/06

Change(s) 0 to 8 Incorporated

DUKE POWER COMPANY
PROCEDURE PROCESS RECORD

PREPARATION

(2) STATION CATAWBA NUCLEAR

(3) PROCEDURE TITLE EMERGENCY EQUIPMENT FUNCTIONAL CHECK AND INVENTORY

(4) PREPARED BY Edwin M Benfield DATE 01-23-86

(5) REVIEWED BY Fletcher Wilson DATE 01-23-86

Cross-Disciplinary Review By _____ N/R F. Wilson

(6) TEMPORARY APPROVAL (If Necessary)

By _____ (SRO) Date _____

By _____ Date _____

(7) APPROVED BY _____ DATE 1/23/86

(8) MISCELLANEOUS

Reviewed/Approved By _____ Date _____

Reviewed/Approved By _____ Date _____

COMPLETION

(9) DATE(S) PERFORMED _____

(10) PROCEDURE COMPLETION VERIFICATION

☐ Yes ☐ N/A Check lists and/or blanks properly initialed, signed, dated or filled in N/A or N/R, as appropriate?

☐ Yes ☐ N/A Listed enclosures attached?

☐ Yes ☐ N/A Data sheets attached, completed, dated and signed?

☐ Yes ☐ N/A Charts, graphs, etc. attached and properly dated, identified and marked?

☐ Yes ☐ N/A Acceptance criteria met?

VERIFIED BY _____ DATE _____

(11) PROCEDURE COMPLETION APPROVED _____ DATE _____

(12) REMARKS

DUKE POWER COMPANY
CATAWBA NUCLEAR STATION
EMERGENCY EQUIPMENT FUNCTIONAL CHECK AND INVENTORY

1.0 PURPOSE

To provide for the availability and readiness of Emergency Equipment.

2.0 REFERENCES

2.1 HP/0/B/1005/08; Respirator Quality Assurance

2.2 HP/0/B/1009/19; Emergency Radio System Operations, Maintenance and Communications

2.3 Catawba Nuclear Station Directive 2.11.13

2.4 Catawba Nuclear Station Directive 3.2.2

2.5 Catawba Nuclear Station Directive 3.3.3

2.6 Catawba Nuclear Station Emergency Plan

2.7 Catawba Nuclear Station Technical Specifications 6.8.1

2.8 Duke Power Company Radio Operator's Manual

2.9 Maintenance of Silver Zeolite Air Sampling Cartridges Letter; File: CN-768.01

2.10 10CFR 50 Appendix E

2.11 Technical Manual for Groban Gasoline Generators

2.12 Shelf-life of Health Physics Clothing; File: CN-766.00.

3.0 LIMITS AND PRECAUTIONS

3.1 Operation of Portable Generators

3.1.1 Avoid operating the unit while hands are wet or while standing in water.

3.1.2 Generators shall not be started while equipment is plugged into generator.

3.1.3 Low voltage rubber gloves should be worn while operating the generators. These gloves are stored with the generators.

3.2 Silver zeolite cartridges shall be discarded if the seal has been broken.

3.3 Any radiation monitoring equipment (located in an emergency kit) that must be removed from service for any reason shall be replaced as soon as possible.

3.4 Any emergency kit used during training or for drill purposes shall be reinventoried as soon as possible. The individual responsible for the training or drill shall be responsible for inventory and restocking of all on-site kits.

3.4.1 Off-site kits shall be reinventoried as above and a list of deviations shall be given to the Respiratory/Instrument Calibration (R/IC) Supervisor. R/IC shall be responsible for restocking off-site kits as soon as possible.

4.0 PROCEDURE

4.1 Monthly Emergency Equipment Check/Inventory

4.1.1 Portable Generator Check

4.1.1.1 Portable generators shall be considered acceptable for use if:

4.1.1.1 The oil level is at an acceptable level per Reference 2.11.

4.1.1.2 The generator starts and runs for at least 5 minutes.

4.1.1.3 The generator stabilizes after a portable air sampler is plugged into each of the generator outlets.

4.1.1.2 If generator is acceptable, shut off generator and remove any excess gasoline from the gas tank.

4.1.1.3 Document the operability of the generators in the appropriate column on the Monthly/Quarterly Emergency Equipment Check Sheet (Enclosure 5.1).

4.1.2 Two-Way Low Band FM Radios

4.1.2.1 The radios shall be considered acceptable for use if:

4.1.2.1.1 Each radio transmits a message to another radio.

4.1.2.1.2 Each radio receives a message from another radio.

4.1.2.2 Document the operability of the radios in the appropriate area on Enclosure 5.1.

4.1.2.3 Inoperable radios shall be removed from service. Contact Toddville Communication Shop Planner for instructions on disposition for repair.

4.1.3 Batteries

4.1.3.1 All batteries shall be considered acceptable for use if:

4.1.3.1.1 The battery tester needle indicates "good" when the battery is tested.

4.1.3.1.2 The battery appears to be in good physical condition (no dents, corrosion, etc.).

4.1.3.2 Document battery check on Enclosure 5.1.

4.1.4 Portable Survey Instruments

4.1.4.1 Portable Survey Instruments shall be considered acceptable for use if:

4.1.4.1.1 The instrument battery checks.

4.1.4.1.2 The instrument source checks in accordance with the instrument's operation procedure.

4.1.4.1.3 The instrument has no apparent physical damage.

4.1.4.1.4 The instrument has been calibrated within 3 months +/- 7 days.

4.1.4.2 Document the instrument's operability on Enclosure 5.1.

4.1.5 Portable Air Samplers

4.1.5.1 Air Samplers shall be considered acceptable for use if:

4.1.5.1.1 The sampler operates when plugged into an electrical outlet.

4.1.5.1.2 The calibration date on the sampler is current.

4.1.5.1.3 The sampler has no apparent physical damage.

4.1.5.2 Document the sampler's operability on Enclosure 5.1.

4.1.6 Respiratory Equipment

4.1.6.1 Respiratory equipment shall be considered acceptable for use if:

4.1.6.1.1 The equipment is in accordance with criteria stated in Reference 2.1.

4.1.6.1.2 The Emergency Self-Contained Breathing Apparatus (SCBA) are available at the following locations:

Locations	Minimum Units
Control Room	2
Upper Personnel Hatch	2
Lower Personnel Hatch	2
Health Physics Respiratory Storage Area	8

4.1.6.1.3 Six large cylinders of breathing air (minimum of six hours used for 5 people) are located in the Control Room along with 5 airline respirators and associated airline hoses.

4.1.6.2 Document operability of respiratory equipment in accordance with Reference 2.1.

4.2 Quarterly Emergency Equipment Inventory/Inspection

4.2.1 Emergency equipment kits shall be inventoried quarterly and after each use using the appropriate Emergency Equipment Kit List of Contents (Enclosures 5.4 - 5.13)

4.2.1.1 Consult the Emergency Equipment Kit Location Sheet (Enclosure 5.2) for the locations of each kit.

4.2.1.2 Perform monthly checks as in Steps 4.1.1, 4.1.3, 4.1.4, 4.1.5, 4.1.6.

4.2.1.3 The quarterly operability check on two-way low band radios shall be performed as follows:

4.2.1.3.1 Radios shall be checked from a point 10 miles from the plant in accordance with Reference 2.8.

4.2.1.3.2 Contact shall be made from the base station in the TSC to each of the radios.

4.2.1.3.3 Each of the radios shall make contact with the base station.

NOTE: Base Call Sign - KNHB-778

Radio Call Signs - KB36274 (Alpha, Bravo, Charlie, Delta, Echo, Foxtrot)

4.2.1.3.4 Document operability of radios on Enclosure 5.1.

4.2.1.4 Perform a functional check of the dosimeter charger/reader. The charger is acceptable for use if the charger light illuminates.

4.2.1.5 Ensure that the leak and source check dates on the dosimeters are current.

4.2.1.6 Ensure that the TLD's are the appropriate ones for the current quarter.

4.2.1.7 Ensure the Potassium Iodide tablets have not exceeded their expiration date.

4.2.1.8 Ensure the seal on the silver zeolite cartridge packet is not broken and the cartridges are not damaged.

4.2.1.9 Ensure that all procedures are current with the Control Copy.

4.2.1.10 Ensure the flashlight bulb illuminates properly.

4.2.1.11 Check all protective clothing to ensure it has not exceeded the recommended shelf-life per Enclosure 5.15.

4.2.1.12 Ensure that GMR-I canisters have not exceeded their expiration date.

4.2.1.13 Document any deviations on the Emergency Equipment Deviation Authorization Sheet (Enclosure 5.14).

4.2.1.14 The Technician shall sign off Enclosure 5.1 and forward to the Respiratory/Instrument Calibration (R/IC) Supervisor.

4.2.2 Weather Information Check

4.2.2.1 Quarterly a call shall be placed to the National Weather Service located in Columbia, SC at 803-794-2330 or 803-794-2593. If these numbers cannot be reached, an alternate number in Charlotte (704-399-6000) may be used. Obtain wind direction, wind speed, and cloud cover from one of these sources for the vicinity of Catawba Nuclear Station.

4.2.2.2 Obtain the same information from the Control Room.

4.2.2.3 Record this information on the Weather Information Form (Enclosure 5.3).

4.3 Deviation Authorization

4.3.1 The Station Health Physicist shall be made aware of any deviation recorded on Enclosure 5.14.

4.3.2 The Station Health Physicist shall have evaluated the consequences the deviation may have upon the capability to respond to an emergency situation.

4.3.3 Enclosure 5.14 shall be used to state the action taken to remedy the deviation, and to state the justification for taking that action.

4.4 Upon completion of this procedure all required documentation will be filed in the Emergency Equipment Functional Check and Inventory Log, until the end of the quarter.

4.4.1 At the end of the quarter all of the required documentation will be placed in the Health Physics Satellite Master File.

4.4.2 Sign off the PT printout and forward as per Reference 2.4.

5.0 ENCLOSURES

5.1 Sample of Monthly /Quarterly Emergency Equipment Check Sheet

5.2 Sample of Emergency Equipment Kit Location Sheet

5.3 Sample of Weather Information Form

5.4 Sample of Recovery Kit List of Contents

CATAWBA NUCLEAR STATION
MONTHLY/QUARTERLY EMERGENCY EQUIPMENT CHECK SHEET
MP/0/B/1000/06
ENCLOSURE 5.1

MONTHLY	PIC-6A	E-140N	RM-14	E-520	AIR SAMPLER	BATTERIES	QUARTERLY	KIT CONTENTS	CHARGER	FLASHLIGHT	DEVIATIONS	SIGNATURE/DATE
Environmental Survey Kit - A												
Environmental Survey Kit - B												
Environmental Survey Kit - C												
Environmental Survey Kit - D												
Environmental Survey Kit - E												
Recovery Kit - Allen												
Recovery Kit - Transmission Line Maint.												
Recovery Kit - Security Pap Area												
Recovery Kit - Construction Personnel Area												
rsonnel Survey Kit -Allen												
Personnel Survey Kit - Transmission Line Maint.												
Personnel Survey Kit - Security Pap Area												
Personnel Survey Kit - Construction Personnel Area												
Emergency Medical Kit - First Aid Room												
Emergency Medical Kit - Piedmont Medical Center												
Operations Support Center Kit												
Technical Support Center Kit												
Fuel Transfer Kit												

MONTHLY/QUARTERLY EMERGENCY EQUIPMENT
CHECK SHEET
HP/0/B/1000/06
ENCLOSURE 5.1

GASOLINE GENERATORS

Generator Number	Comments	Signature/Date

PORTABLE RADIO TRANSMITTER - RECEIVERS

Radio Call Sign	Comments	Performed At		Signature/Date
		10-Mile	On Site	

CATAWBA NUCLEAR STATION
EMERGENCY EQUIPMENT LOCATION SHEET
HP/0/B/1000/06
ENCLOSURE 5.2

KITS	LOCATION
Recovery Kits (4)	
Evacuation Facilities (2)	Allen Steam Station Transmission Line Maintenance Building
Security Pap Area	Temp. Admin. Building
Construction Personnel Access Area	Temp. Admin. Building
Environmental Survey Kits (Vehicle) (4)	Temp. Admin. Building
Environmental Survey Kit (Helicopter) (1)	Temp. Admin. Building
Personnel Survey Kits (4)	
Evacuation Facilities (2)	Allen Steam Station Transmission Line Maintenance Building
Security Pap Area	Temp. Admin. Building
Construction Personnel Access Area	Temp. Admin. Building
Emergency Medical Kit (2)	Aux. Building First Aid Room Piedmont Medical Center
Operations Support Center Kit	Operations Support Center
Technical Support Center Kit	Technical Support Center
Fuel Transfer Kit	Temp. Admin. Building

CATAWBA NUCLEAR STATION
WEATHER INFORMATION
HP/0/B/1000/06
ENCLOSURE 5.3

	National Weather Service	Control Room
Wind Direction	_____	_____
Wind Speed	_____	_____
Cloud Cover	_____	_____
Time	_____	_____

_____
Signature/Date

CATAWBA NUCLEAR STATION
RECOVERY KITS LIST OF CONTENTS
HP/0/B/1000/06
ENCLOSURE 5.4

ITEM		MINIMUM AMOUNT
List of Contents		1
Eberline E-520 w/HP-270 Probe		1
Exempt Source		1
Low/High Range Dosimeters (0-500 mR), (0-5R)		2 each
Dose Cards		25
TLD Badges		6
Dosimeter Charger		1
Boundary Ribbon or Rope (50 yd. roll)		1
Masking Tape (roll)		1
Rain Suits (set)		2
Coveralls: Cotton		2
Gloves: Cotton (pair)		2
Rubber (pair)		2
Shoe Covers: Disposable (pair)		2
Rubber (pair)		2
Hoods: Cotton		2
Poly Bags (Various)		12
Caution Signs w/inserts		2
Legal Pad		1
Instrument/Smear Survey (pad)		1
Pens		2
Grease Pencil and refills		1
Full Face Respiratior With GMR-I Canister (or equivalent)		2
First Aid Kit		1
Potassium Iodide Tablets	Trans. Line Maint.	275 bottles
	Security PAP	150 bottles
	Construction Personnel Area	150 bottles
	Allen Steam Station	275 bottles
KI Distribution Data Sheet		100
Smears (box)		1
NuCon Smears		30
Flashlight		1
Batteries (Size D)		10
Scissors		1
Medication Envelopes	Trans. Line Maint.	100
	Security PAP	60
	Construction Personnel Area	60
	Allen Steam Station	100
Crisis Management Team Phone Directory**		1
SLED Badges (Personnel and Vehicle each)**		100
Emergency Planning Zone Maps**		3
HP/0/B/1009/16		1

*Any Deviations will be documented on the Emergency Equipment Deviation Authorization Sheet (Sample Enclosure 5.14).
**These items are found only in the Recovery Kits located at Allen Steam Station and Transmission Line Maintenance Building.

CATAWBA NUCLEAR STATION
ENVIRONMENTAL SURVEY KITS LIST OF CONTENTS
HP/0/B/1000/06
ENCLOSURE 5.5

ITEM	MINIMUM AMOUNT
List of Contents	1
Eberline E-520 w/HP-270 Probe	1
Eberline E-140N w/HP-210 Probe (or equivalent)	1
Exempt Source	1
Portable MCA**	1
Eberline PIC 6A	1
Emergency Radio Transmitter/Receiver	1
Radeco H809V Air Sampler	1
Gasoline Generator (Gasoline in Safety Cabinet)	1
Low/High Range Pocket Dosimeter (0-500 mR), (0-5R)	2 each
Dose Cards	25
TLD Badge	6
Dosimeter Charger	1
Full Face Respirator With GMR-I Canister (or equivalent)	2
Potassium Iodide Tablets (bottle)	2
Tyvek Disposable Coveralls	6
Coveralls: Cotton	4
Gloves: Cotton (pair)	8
Rubber (pair) (Size 7), (Size 9)	2 each
Shoe Covers: Disposable (pair)	4
Rubber (pair)	4
Hoods: Cotton	4
Sandwich Bags (box)	1
Poly Bags (Various Sizes)	6
Masking Tape (roll)	1
Compass	1
Tweezers	1
Limnological Sampler	1
Cubitainers	6
1 Liter Wide Mouth Bottles	5
Stopwatch	1
Battery Operated Latern	1
Flashlight	1
Batteries (Size D)	14
Batteries (9 volt)	4
Batteries (6 volt)	1
Silver Zeolite Filter Cartridges	30
Particulate Filters	30
Filter Cartridges Labels & Bags	100
Smears (box)	1
NuCon Smears	30
Instrument/Smear Survey (pad)	1
Map of Ten Mile Zone Sectors	1
Legal Pad	1
Pen	2
Permanent Marker	1

CATAWBA NUCLEAR STATION
ENVIRONMENTAL SURVEY KITS LIST OF CONTENTS
HP/0/B/1000/06
ENCLOSURE 5.5

ITEM	MINIMUM AMOUNT
Hand Spade	1
Grease Pencil and refills	1
Dime Roll	1
Scissors	1
Rain Suits	3
Telephone location maps	1
Field Monitoring Data Sheet	20
Field Monitoring Work Sheet	20
KI Tablet Distribution Data Sheet	1
Radio Operator Manual	1
CPD1 Key	1
SLED Badges (Personal - Vehicle)	4
HP/0/B/1009/04	1
HP/0/B/1009/16	1
HP/0/B/1009/17	1
HP/0/B/1009/19	1

*Any Deviations will be documented on the Emergency Equipment Deviation Authorization Sheet (Sample Enclosure 5.14).

**This instrument is stored and maintained in the Health Physics Counting Room Area.

CATAWBA NUCLEAR STATION
ENVIRONMENTAL SURVEY KITS LIST OF CONTENTS (Helicopter)
HP/0/B/1000/06
ENCLOSURE 5.6

ITEM	MINIMUM AMOUNT
List of Contents	1
Eberline PIC-6A	1
Eberline E-520 w/HP-270 Probe	1
Exempt Source	1
Low/High Range Pocket Dosimeter (0-500 mR), (0-5R)	2 each
Dose Cards	25
Field Monitoring Data Sheet	20
TLD Badge	0
Dosimeter Charger	1
Full Face Respirator with GMR-I Canister (or equivalent)	2
Potassium Iodide Tablets (bottle)	2
KI Distribution Data Sheet	1
Stopwatch	1
Flashlight	1
Batteries (Size D)	10
Batteries (9 volt)	4
Ear Plugs (pairs)	6
Map of Ten Mile Zone Sectors	1
Legal Pad	1
Pen	2
Rain Suits	2
Instrument/Smear Survey (pad)	1
Emergency Radio Transmitter/Receiver	1
HP/0/B/1009/19	1
HP/0/B/1009/04	1
HP/0/B/1009/16	1

*Any Deviation will be documented on the Emergency Equipment Deviation Authorization Sheet (Sample Enclosure 5.14).

CATAWBA NUCLEAR STATION
PERSONNEL SURVEY KITS LIST OF CONTENTS
HP/0/B/1000/06
ENCLOSURE 5.7

ITEM	MINIMUM AMOUNT
List of Contents	1
Eberline E-140N w/HP-210 Probe (or equivalent)***	2
Sample Slide Tray***	1
Exempt Source	1
Emergency Radio Transmitter/Receiver**	1
Radio Operator Manual	1
Low/High Range Dosimeters (0-500 mR/hr), (0-5 R/hr)	2 each
Dose Cards	25
TLD Badges	2
Dosimeter Charger	1
Full Face Respirator With GMR-I (or equivalent)	2
Potassium Iodine Tablets (bottle)	2
KI Distribution Data Sheet	1
Coveralls: Cotton	6
Gloves: Cotton (pair)	6
Rubber (pair)	6
Shoe Covers: Disposable (pair)	6
Rubber (pair)	6
Hoods: Cotton	6
Boundary Ribbon or Rope (50 yd. roll)	1
Caution Signs w/inserts	4
Masking Tape (roll)	1
Poly Bags (Various)	6
Smears (box)	1
NuCon Smears	25
Instrument/Smear Survey (pad)	1
Pens	2
Grease Pencil & Refills	1
Legal Pad	1
Scissors	1
Rain Suits	3
Decon Kit	1
1) Rad Con	
2) Rad Wash	
3) Paper Towels	
4) Scrub Brush	
5) Cotton Swabs	
6) Fingernail Clippers	
7) Phisohex (125 ml)	
8) Personnal Decontamination Forms	
Batteries (Size D)	10
Station Directive 3.8.3	1
HP/0/B/1004/06	1
HP/0/B/1009/05	1
HP/0/B/1009/16	1
HP/0/B/1009/19**	1

CATAWBA NUCLEAR STATION
PERSONNEL SURVEY KITS LIST OF CONTENTS
HP/0/B/1000/06
ENCLOSURE 5.7

*Any Deviation will be documented on the Emergency Equipment Deviation Authorization Sheet (Sample Enclosure 5.14).

**Only the Construction Personnel access area shall have an Emergency Radio and procedure.

***The Security PAP Area shall have (3) E-140N w/HP-210 Probe or equivalent and Sample Slide Tray. The Construction Personnel Access Area shall have (2) E-140-N w/HP-210 Probe or equivalent and shall not have a Sample Slide Tray.

CATAWBA NUCLEAR STATION
PERSONNEL SURVEY KITS LIST OF CONTENTS
(EVACUATION FACILITY)
HP/0/B/1000/06
ENCLOSURE 5.8

ITEM	MINIMUM AMOUNT
List of Contents	1
Eberline E-140N w/HP-210 Probe (or equivalent)	3
Exempt Source	1
Low/High Range Dosimeters (0-500 mR), (0-5R)	4 each
Dose Cards	25
TLD Badges	4
Dosimeter Charger	1
Potassium Iodide Tablets (bottle)	2
KI Tablet Distribution Data Sheet	1
Medication Envelopes	3
Coveralls: Cotton	6
Gloves: Cotton (pair)	6
Rubber (pair)	6
Shoe Covers: Disposable (pair)	6
Rubber (pair)	6
Hoods: Cotton	6
Disposable Coveralls	40
Boundary Ribbon or Rope (50 yd. roll)	1
Caution Signs w/inserts	4
Masking Tape (roll)	1
Poly Bags (Various)	6
Smears (box)	1
Instrument/Smear Survey (pad)	1
Pens	2
Grease Pencil & Refills	1
Legal Pad	1
Decon Kit	1
1) Rad Con	
2) Rad Wash	
3) Paper Towels	
4) Scrub Brush	
5) Cotton Swabs	
6) Fingernail Clippers	
7) Phisohex (125 ml)	
8) Personnel Decontamination Forms	
Scissors	1
Station Directive 3.8.3	1
Evacuation Personnel Dose Record	50
Catawba Nuclear Station Telephone Directory	1
Batteries (Size D)	10
HP/0/B/1004/06	1
HP/0/B/1009/05	1
HP/0/B/1009/16	1

*Any Deviation will be documented on the Emergency Equipment Deviation Authorization Sheet (Sample Enclosure 5.14).

CATAWBA NUCLEAR STATION
EMERGENCY MEDICAL KIT LIST OF CONTENTS
FIRST AID ROOM
HP/0/B/1000/06
ENCLOSURE 5.9

ITEM	MINIMUM AMOUNT
List of Contents	1
Eberline E-140N w/HP-210 Probe (or equivalent)	1
Exempt Source	1
Poly Bags (various sizes)	6
Smears (box)	1
NuCon Smears	25
Coveralls: Cotton	6
Gloves: Cotton (pair)	6
Rubber (pair)	6
Shoe Covers: Disposable (pair)	6
Rubber (pair)	6
Hoods: Cotton	6
Rain Suits	2
Tape, Radioactive Material	1
Tape, Masking 2"	1
Tape, Duct 2"	1
Instrument/Smear Survey (pad)	1
Pens	2
Legal Pad	1
Caution Signs w/inserts	3
Radioactive Material Tags	50
Scissors	1
Poly for Ambulances (bundles)	3
Batteries (Size D)	4
HP/0/B/1004/06	1
HP/0/B/1009/08	1

*Any Deviation will be documented on the Emergency Equipment Deviation Authorization Sheet (Sample Enclosure 5.14).

...A NUCLEAR ...
EMERGENCY MEDICAL KITS LIST OF CONTENTS
PIEDMONT MEDICAL CENTER
HP/0/B/1000/06
ENCLOSURE 5.10

ITEM	MINIMUM AMOUNT
List of Contents	1
Eberline E-520 w/HP-270 Probe	1
Eberline E-140N W/210 Probe (or equivalent)	1
Exempt Source	1
Poly Bags (various sizes)	14
Smears (box)	1
NuCon Smears	25
Tape, Radioactive Material	1
Tape, Masking 2"	2
Tape, Duct 2"	4
Instrument/Smear Survey (pad)	1
Caution Signs w/inserts	5
Rad Rope	1
TLD Badges	10
Pocket Dosimeters (0-500mR)	10
Dose Cards	25
Dosimeter Charger	1
Radioactive Material Tags	50
Floor and Vent Covering	1
Disposable Coveralls	25
Disposable Shoe Covers (pairs)	25
Disposable Hoods	10
Cubitainers	5
Decon Kit	1
1) Rad Con	
2) Rad Wash	
3) Paper Towels	
4) Scrub Brush	
5) Cotton Swabs	
6) Fingernail Clippers	
7) Phisohex (125 ml)	
8) Personnel Decontamination Forms	
Cotton Gloves (pairs)	50
Rubber Gloves (pairs)	20
Batteries (Size D)	8
Grease pencils (box)	1
Stanchions	4
Trash Receptacle	2
HP/0/B/1004/06	1
HP/0/B/1009/08	1

*Any Deviation will be documented on the Emergency Equipment Deviation Authorization Sheet (Sample Enclosure 5.14).

OPERATIONS SUPPORT CENTER KITS LIST OF CONTENTS
HP/0/B/1000/06
ENCLOSURE 5.11

ITEM	MINIMUM AMOUNT
List of Contents	1
Coveralls: Cotton	40
Gloves: Cotton (pair)	40
Rubber (pair)	40
Shoe Covers: Disposable (pair)	40
Rubber (pair)	40
Hoods: Cotton	40
Full Face Respirators with GMR-I Canister (or equivalent)	10
Flashlights	11
Batteries (Size D)	34
Batteries (9 volt)	20
Eberline PIC 6A	5
RM-14 w/HP-210 Probe	1
E-140N w/HP-210 Probe (or equivalent)	1
Exempt Source	1
Camera (Polaroid)	1
Polaroid Film Pacs	2
Masking Tape (Roll)	2
Dosimeters (0-100R), (0-5R)	5
Dose Cards	25
Dosimeter Charger	1
Small Sample Bottles or Medication Envelopes	10
Rain Suits	5
Poly Bags (various sizes)	50
Radeco H809V Air Sampler	3
Silver Zeolite Filter Cartridges	30
Particulate Filters	30
Filter Cartridge Labels	30
Potassium Iodide Tablets (bottle)	20
KI Distribution Data Sheet	10
HP/0/B/1004/06	1
Decon Kit	1
1) Rad Con	
2) Rad Wash	
3) Paper Towels	
4) Scrub Brush	
5) Cotton Swabs	
6) Fingernail Clippers	
7) Phisohex (125 ml)	
8) Personnel Decontamination Forms	
Instrument/Smear Survey (pad)	1
Telephone	2
Post-Accident Containment Air Sampling Equipment Kit	1
Pen (box)	1
Grease Pencil (and refills) (box)	1
Extension Cord (50 ft.)	2
Extension Cords (25 ft.)	2
Stopwatch	2
Large Battery Lanterns (with 6 volt batteries)	4
Plant Drawings	1

CATAWBA NUCLEAR STATION
OPERATIONS SUPPORT CENTER KITS LIST OF CONTENTS
HP/0/B/1000/06
ENCLOSURE 5.11

ITEM	MINIMUM AMOUNT
OSC Response Personnel Dose Record Forms	125
Smears (box)	1

*Any Deviation will be documented on the Emergency Equipment Deviation Authorization Sheet (Sample Enclosure 5.14).

CATAWBA NUCLEAR STATION
TECHNICAL SUPPORT CENTER KIT LIST OF CONTENTS
HP/0/B/1000/06
ENCLOSURE 5.12

ITEM	MINIMUM AMOUNT
List of Contents	1
Coveralls: Cotton	20
Gloves: Cotton (pair)	20
Rubber (pair)	20
Shoe Covers: Disposable (pair)	20
Rubber (pair)	20
Hoods: Cotton	20
Full Face Respirators with GRM-I Canister (or equivalent)	6
Eberline E-520 w/HP-270 Probe	1
Eberline PIC-6A	3
E-140N w/HP-210 Probe (or equivalent)	1
Exempt Source	1
Radeco H809V Air Sample	1
Dosimeter (0-100R), (0-5R)	6 each
Dose Cards	25
Silver Zeolite Filter Cartridges	30
Particulate Filters	30
Filter Cartridge Labels	25
Dosimeter Charger	1
Potassium Iodide Tablets (bottle)	25
Boundary Ribbon or Rope (50 yd. roll)	1
Caution Signs w/inserts	3
Rad Tape	2
Smears (box)	1
Poly Bags	6
Masking Tape (Roll)	1
Pen	2
Legal Pad	1
Grease Pencil (and refills)	1
Flashlights	8
Batteries (Size D)	30
Batteries (9V)	12
Small Sample Bottles or Medication Envelopes	10
Rain Suits	6
Decon Kit	1
1) Rad Con	
2) Rad Wash	
3) Paper Towels	
4) Scrub Brush	
5) Cotton Swabs	
6) Fingernail Clippers	
7) Phisohex (125 ml)	
8) Personnel Decontamination Forms	
Instrument/Smear Survey (pad)	1
Request for Exposure Extension Forms	15
Plant Drawings	1
HP/0/B/1009/16	1
HP/0/B/1004/06	1

CATAWBA NUCLEAR STATION
TECHNICAL SUPPORT CENTER KIT LIST OF CONTENTS
HP/0/B/1000/06
ENCLOSURE 5.12

*Any Deviation will be documented on the Emergency Equipment Deviation Authorization Sheet (Sample Enclosure 5.14).

CATAWBA NUCLEAR STATION
FUEL TRANSFER KIT LIST OF CONTENTS
HP/0/B/1000/06
ENCLOSURE 5.13

ITEM	MINIMUM AMOUNT
List of Contents	1
Shoe Covers. Disposable (pair)	20
Rubber (pair)	6
Gloves: Cotton (pair)	20
Surgeons (box)	1
Rubber (pair)	6
Coveralls: Disposable	4
Cotton	6
Hoods	4
Wet Suit	2
Hard Hat	3
Full Face Respirators with GMR-I Canister (or equivalent)	2
Radeco H809V Air Sampler	1
Eberline E-140N w/HP-210 Probe (or equivalent)	1
Eberline PIC-6A	1
Eberline E-520 w/HP-270 Probe	1
Exempt Source	1
Silver Zeolite Cartridges and Particulate Filters	10
Labels for Filters and Cartridges	10
Potassium Iodide Tablets (Bottle)	30
TLD Badge	5
Low/High Range Dosimeter (0-500 mR), (0-5R)	5 each
Dose Card	25
Dosimeter Charger	1
Weather-Proof Caution Signs with Inserts	4
Radioactive Waste Signs (4" x 6")	12
Caution: Radiation/Radioactive Material Tags	12
50 yd. Roll of Barricade Tape (Magenta & Yellow)	4
Step Off Pads	3
Poly Bags	12
Hand Gardening Spade	1
Wide Mouth Sample Bottles	4
Plastic Sample Bottles or Medication Envelopes	12
Kimwipes (box)	2
NuCon Smears	100
Copy of NAC-1 Drawings (Prints)	1
Copy of Loading and Unloading Instructions	1
Duct Tape (Roll)	2
Masking Tape (1" and 2" Rolls)	1 each
Contact Pyrometer with Probe	2
Safety Glasses	5
Binoculars	1
Tool Kit	1
Batteries (9 Volt)	4
Flashlights	2
Batteries (Size D)	18
Steno Pad with 2 Mechanical Lead Pencils	1
Pencil Refills	1

CATAWBA NUCLEAR STATION
FUEL TRANSFER KIT LIST OF CONTENTS
HP/0/B/1000/06
ENCLOSURE 5.13

ITEM	MINIMUM AMOUNT
Grease Pencils	2
All Purpose Marker	2
Scotch Tape Roll and Dispenser	1
Roll of Dimes	1
Gasoline Generator (Gasoline Stored in Safety Cabinet)	1
Instrument/Smear Survey (pad)	1
HP/0/B/1009/16	1

*Any Deviation will be documented on the Emergency Equipment Deviation Authorization Sheet (Sample Enclosure 5.14).

CATAWBA NU[illegible]ATION

EMERGENCY EQUIPMENT DEVIATION AUTHORIZATION SHEET

DEVIATION DESCRIPTION	KIT	ACTION TAKEN TO REMEDY DEVIATION	ACTION JUSTIFICATION	SIGNATURE	DATE

R/IC Supervisor _____ Date _____

Station Health Physicist _____ Date _____

CATAWBA NUCLEAR STATION
RECOMMENDED SHELF-LIFE FOR PROTECTIVE CLOTHING

Cotton Goods:	4 years
Tyvek Goods:	4 years
Duraguard Goods:	4 years
Rubber overshoes	4 years
Vinyl Gloves:	6 months
Latex Gloves:	6 months
PVC goods:	1 year

NOTE: If the date marked on the protective clothing exceeds the allowable shelf-life, remove the protective clothing from the emergency kit.