NINE MILE POINT NUCLEAR STATION

EMERGENCY PLAN IMPLEMENTING PROCEDURES

PROCEDURE NO. EPP-2

FIRE FIGHTING

FOR INFORMATION ONLY

APPROVALS	SIGNATURES	DATE AND INITIALS REVISION 8	REVISION 9	REVISION 10
Chemistry & Radiation Management Superintendent E. W. Leach	E W Leach	3/7/83 EWL	5/31/83 EWL	
Supervisor Nuclear Security R. F. Orr	R F Orr	3/4/83 RFO	6/6/83 RFO	
Fire Protection Supervisor R. L. Raymond	R L Raymond	3/9/83 RLR	6/1/83 RLR	
Station Superintendent NMPNS T. W. Roman	T W Roman	3/3/83	6/1/83	
General Superintendent Nuclear Generation Chairman of S.O.R.C. T. J. Perkins	T J Perkins	3/8/83 TJP	6/1/83 TJP	

Summary of Pages

REVISION 9

PAGES	DATE
i,2,4-6, 9,11	May 1983
1,3,7,8,10,12-13	February 1983

NIAGARA MOHAWK POWER CORPORATION

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THIS PROCEDURE NOT TO BE USED AFTER May 1985. SUBJECT TO PERIODIC REVIEW.

EPP-2

FIRE FIGHTING

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EPP-2

FIRE FIGHTING

1.0 PURPOSE

The purpose of this fire fighting procedure is to provide for the prompt and efficient handling of any fire, regardless of size or presence of radioactivity by the on-site Nine Mile Point Fire Department. 8

2.0 REFERENCES

2.1 EAP-1, Activation and Direction of Emergency Plan

2.2 EPP-4, Personnel Injury or Illness

2.3 EPP-5, Station Evacuation

2.3 EPP-20, Emergency Notifications

3.0 RESPONSIBILITIES

In order to ensure the complete and appropriate handling of any fire related emergency at the site, the following position listing provides associated assignment responsibilities:

3.1 Supervisor Fire Protection

a. The Fire Protection Supervisor performs general planning, testing, inspection and overseeing of the station fire protection activities. Periodic testing of the systems and portable equipment is performed by shift fire protection personnel under the direction of the Fire Protection Supervisor.

3.2 Nuclear Fire Chief

a. Maintains administrative responsibilities, which include plant fire preventive inspections, record transient fire loads, acknowledgement of fire protection and detection systems out-of-service, plant fire drills, periodic NMP Fire Department briefings, and participation in fire incident investigations.

b. Responds to all fire alarms.

c. Periodically reviews capabilities and limitations of fire fighting equipment; and initiates corrective actions, if necessary.

3.2 Nuclear Fire Chief (Cont.)

d. Maintains joint response control with off-site fire department Chief, and provides technical advice pertaining to radiological protection of personnel and any special hazards.

e. Arranges for appropriate departure activities for off-site fire fighters (e.g., contamination control).

f. Evaluates the effectiveness of communications within the NMP Fire Department and with the on-scene fire team leader, the reactor operators in the control Room, the plant physical security organization (see Sect. 3.6, below), the off-site fire organization, and any other command post.

g. Coordinate training with off-site fire departments so that responsibilities and duties are delineated in advance, and they are aware of the need for radiological protection of personnel and the special hazards associated with a nuclear power plant.

3.3 Nuclear Fire Fighter

a. Participates in fire drills and attends periodic fire fighting and familiarization training and refresher sessions.

b. Responds to ALL fire alarms, and performs actions under the direct guidance of the Fire Chief.

c. Ensures that any required training/certification is kept current and up-to-date.

3.4 Station Shift Supervisor

a. Evaluates the consequences of a fire, as it pertains to nuclear safety, and the probability of its effect on the overall operation of the plant; including the potential spreading of the affected areas and systems.

b. Initiates station evacuation, if necessary.

c. Assumes the role of Emergency Director, until properly relieved.

3.5 Licensed Nuclear Operator 9

a. Provides technical advice to the Nuclear Fire Chief in regard to current plant operating status.

b. Provides current fire status reports to the Station Shift Supervisor.

3.6 Chief Shift Operator

a. Activates station fire alarm in response to a personnel report or as a result of the annunciation of the automatic fire detection system.

b. Requests off-site fire fighting assistance upon the recommendation of the Nuclear Fire Chief.

c. Activates station evacuation alarm in response to a fire requiring a general area station evacuation.

d. Provides a termination announcement to station personnel upon receiving notification from the Nuclear Fire Chief.

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3.7 Station Security

a. Verifies receipt of fire alarm, expedites the arrival of off-site fire fighting assistance on-site and maintains required personnel accountability.

b. Provides responding off-site personnel with appropriate dosimetry.

c. Maintains plant physical security and performs required personnel notifications.

3.8 Chemistry and Radiation Management Department

a. Provides radiation protection assistance to the Nuclear Fire Chief during fires.

b. Assists Personnel Accountability Coordinator in accounting for station personnel at scene of fire.

4.0 NOTIFICATION

4.1 Visual Detection

The person who discovers a fire notifies the control room, giving the location and type of fire before making any attempt at fire fighting. He should remain on the phone until the announcement is made on the public address system.

4.2 Automatic Fire Detection Systems

Automatic fire detection equipment is provided for those areas protected by fixed extinguishing systems and in certain other areas where early fire detection is desirable. The fire detection system actuates an annunciator system in the main Control Room which informs the Control Room Operator of the location of the fire. Once alarms are received, the Chief Shift Operator will inform the Station Shift Supervisor, a designated Licensed Nuclear Operator and the NMP Fire Department of its location. | 9

5.0 PROCEDURE

5.1 Person Discovering Fire

After he has notified the Control Room of the location and type of fire and the announcement is made on the public address system, he should take initial fire fighting actions or if not knowledgeable in fire fighting techniques leave the area. He should take all necessary precautions to protect himself.

5.2 Chief Shift Operator (See Figure 1)

a. Upon notification of a fire, either by personal report or by annunciation of the automatic detection system, the Chief Shift Operator shall sound the fire alarm for ten (10) seconds and then announce over the public address system "Attention, a fire has been detected in (location of fire). The NMP Fire Department shall report to (location of fire)", repeat alarm and announcement twice.

b. Turn up the volume on the Oswego County Fire and Station UHF radio base stations.

c. If the annunciation is from Local Panel 8 (Meteorological Tower) or Local Panel 10 (Energy Information Center) immediately call Oswego County Fire Control (343-6555) requesting fire fighting assistance for the area involved. DO NOT SOUND FIRE ALARM - See Section 6.0. If busy or no answer call (343-8571). The CSO will then notify security that an offsite Fire Department has been summoned.

d. If the Control Room Operator does not receive an acknowledgement from the Station Shift Supervisor, Nuclear Fire Chief, designated Licensed Nuclear Operator and Security in approximately 60 seconds, he will repeat Step 5.2.a. | 9

5.2 (Continued)

e. If reqested by the Nuclear Fire Chief call Oswego County Fire Control at the number listed below and request fire fighting assitance at the Nine Mile Point Unit 1.

343-6555 (if busy or no answer, call 343-8571)

If both numbers are busy or no answer, contact Oswego County Fire Control using the fire radio.

f. Initiate any "Special Operating Procedures" required.

g. Observe ARMs, CAMs and stack monitors for increased levels.

h. Sound the station evacuation alarm if requested to do so by the Nuclear Fire Chief.

i. Upon notification from the Nuclear Fire Chief that the fire has been extinguished or the event has been determined to be a false alarm. Sound the station alarm for 10 sec. and announce the termination of the event.

5.3 Licensed Nuclear Operator (Advisor to the Nuclear Fire Chief) | 9

a. Contact Control Room and acknowledge receipt of the fire alarm.

b. Proceed to the location of the fire with a radio and set up a command post with Nuclear Fire Chief. Investigate area of alarm and immediately report status to the Control Room.

5.4 Nuclear Fire Chief

a. Contact Control Room and acknowledge receipt of the fire alarm.

b. Pick up a portable fire radio.

c. Proceed to the location of the fire and set up a command post. Ensure the Licensed Nuclear Operator and a Security Guard are available to coordinate communications with their respective departments. | 9

d. Investigate area of alarm and report status to the Control Room directly or through the Licensed Nuclear Operator. | 9

e. Contact Control Room directly or through the Licensed Nuclear Operator and request CSO to call Oswego County Fire Control to obtain outside fire fighting assistance, if deemed necessary.

f. Contact security force directly or through security guard at command post and direct the security force to escort the off-site fire department and any other vehicles required for the emergency to the emergency vehicle staging area when they arrive.

5.4 Nuclear Fire Chief (Cont.)

g. Contact Control Room and request a station evacuation of all non-essential personnel, if deemed necessary.

h. Supervise and coordinate the efforts of the fire fighters to control and extinguish the fire. Any equipment taken off the trucks shall not be returned to the trucks until surveyed for contamination and released.

i. Once the fire is extinguished or event has been determined to be a false alarm, contact control room and notify them of fire status.

j. When off-site firemen are ready to leave, arrange to have ALL firemen and their equipment surveyed. All contaminated equipment should be decontaminated or retained at the station for decontamination.

5.5 Nine Mile Point Fire Department

a. The NMP Fire Department shift complement is comprised of the following:
1 - Nuclear Fire Chief
4 - Nuclear Fire Fighters
1 - Licensed Nuclear Operator

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NOTE: During normal working hours the Fire Department will receive assistance from the reserve fire brigade if they are available. This brigade is made up of three individuals from each of the following departments —
Maintenance
Instrument and Control
Chemistry and Radiation Protection

b. The NMP Fire Department shall respond to ALL fires.

c. The NMP Fire Department will immediately proceed to the location of the fire, picking up self-contained breathing apparatus and protective clothing at the nearest storage area. Storage areas are located at:

1. Turbine Building - Elevation 261', S.E. Corner
2. Turbine Building - Elevation 277', S.E. Corner
3. Turbine Building - Elevation 300', S.E. Corner
4. Reactor Building - Elevation 237', N.E. Corner
5. Reactor Building - Elevation 261', N.W. Corner
6. Off-Gas Building - Elevation 261', Entrance
7. Administrative Building - Elevation 261', Locker Room Area
8. Screen House - Elevation 261', S.W. Corner

d. Persons entering smokey areas or fighting fires shall use the self-contained breathing apparatus.

5.5 (Continued)

e. If off-site fire fighting assistance has been requested, the Nuclear Fire Chief and the off-site Fire Chief will be jointly in charge of the fire fighting forces.

f. The NMP Fire Department will assist the off-site fire departments in fire fighting.

NOTE: Off-site Fire Department Coat Identification

White-	Chief
Yellow-	Officers
Black or Red-	Firemen

5.6 Chemistry and Radiation Management Department (See Figure 3)

a. Upon receipt of a fire alarm and announcement, send an inplant survey team with radio to the location of the fire to assist the Nuclear Fire Chief in evaluating any radiological aspects of the fire. During normal hours this team should be comprised of members of the reserve fire brigade.

NOTE: Departmental assistance will be directed by a Chief Technician until relieved by a Chemistry and Rad. Mgt. Department Supervisor.

b. Have survey team take air samples as necessary in areas where the fire fighters are working, and ensure that sampling does not interfere with the fire fighting.

c. When the fire is extinguished, provide the necessary staff to survey all personnel and equipment used at the fire scene.

d. In the event of a station evacuation perform the following:

1. To aid in accountability, instruct the survey team to report back the names of all individuals at the scene. Ensure this information is passaed on to the Personnel Accountability Coordinator.

2. Contact the Chemistry & Radiation Protection Assistant in the Control Room and have him check the CAMs and stack monitors to see if "fouling" is occuring due to smoke removal from plant.

3. Dispatch a survey team to monitor contractors assembling at their work location headquarters (ie north and south trailer areas).

e. During off-hours utilize departmental callout list to provide radiological assistance to the Nuclear Fire Chief, if necessary.

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5.7 Station Shift Supervisor

a. Contact Control Room and acknowledge receipt of the fire.

b. May proceed to the fire to adequately assess its effect on station operations and shall then proceed to the main Control Room to direct appropriate station operation (e.g., plant shutdown).

c. If the Nuclear Fire Chief has requested a station evacuation, or requested outside fire fighting assitance, perform steps d) and e), below:

d. Perform actions required per EAP-1 as Emergency Director until relieved.

e. To aid in accountability, provide Personnel Accountability Coordinator with the names of any individuals known to be at the fire scene. 8

f. Prior to allowing Off-site Fire Departments to depart ensure personnel, vehicles, and equipment have been surveyed by Radiation Protection. Once equipment and personnel contamination levels have been determined to be within station control levels, contact Security Building and notify them of this fact.

5.8 Station Personnel

a. Upon hearing the "fire alarm" station personnel should stay clear of the area described in the announcement and be aware that a station evacuation may be necessary. 8

b. If the station evacuation alarm is sounded all personnel in the station and the administrative building, shall evacuate immediately to their designated assembly areas and report to their personnel accountability representative for a head count (see EPP-5, "Station Evacuation"). Personnel actively engaged in fighting the fire will not evacuate, but will make their location and status known to either the inplant survey team or SSS. 8

5.9 Security Force (See Figure 2)

a. Contact Control Room and acknowledge receipt of fire alarm.

b. Dispatch a guard with a radio to the fire scene command post to coordinate communications between the Security Department and the Nuclear Fire Chief. 8

c. Turn volume up on the fire radio and monitor continuously during the fire emergency.

5.9 (Continued)

d. During off hours immediately notify the Supervisor Fire Protection * (or pager), and the Emergency Coordinator * (or pager).

e. Dispatch a guard and vehicle to Lake Road to direct responding fire vehicles and personnel to appropriate access road and Emergency Vehicle Staging Area. When needed, security will escort trucks to the scene of the fire when directed by the Nuclear Fire Chief. A security guard will stay with the fire trucks at all times. Normal sign-in procedure can be waived and a head count will be taken.

f. When the off-site fire departments arrive, issue film badges to all personnel and then notify the Nuclear fire Chief and SSS directly or through security guard at the fire command post and Control Room SAS of the number of trucks and time they arrived on-site. Ensure roadway to fire location is kept clear of any obstructions so emergency vehicles can respond unhindered. 9

g. Prior to allowing off-site fire departments to depart ensure the following have been completed:
   1) Film badges collected.
   2) Data for Film badge Issue sheets and entrance registration log has been collected.
   3) Personnel, vehicles, and equipment have been surveyed by Radiation Protection and cleared for departure by SSS.

h. During off hours perform necessary notification required per EPP-20, Figure 3 "Security Off Hours Emergency Contact List."

i. Notify CSO that call(s) have been made.

<u>If the evacuation alarm is sounded, perform steps j & k.</u>

j. Prevent non-emergency personnel from leaving the site. Direct these individuals to their designated assembly areas for accountability.

k. Sergeant directs a guard to obtain roll call and Entrance Registration Log and proceed to the Operation Support Center area for accoutability.

NOTE: During the fire emergency, do not allow personnel into the plant or site unless they have emergency plan responsibility and appropriate identificaton cards as indicated in EPP-14 "Emergency Access Control"..

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6.0 LOCAL PANEL 8 (Meteorological Tower) and LOCAL PANEL 10 (Energy Information Center)

a. Chief Shift Operator will perform the following:

1. Call Oswego County Fire Control - 343-6555 and request fire fighting assistance for the area involved (if busy call 343-8571).

2. Inform the Security Department that an alarm has been received from either LP 8 or LP 10.

3. Notify the Station Shift Supervisor on duty of the fire alarm received.

b. Security will perform the following:

1. If conditions permit - dispatch a guard and vehicle to the area involved with a fire radio.

2. Call the following site personnel:

i. On-call Supervisor

ii. Supervisor Fire Protection - *

iii. Area Safety Director - *

iv. Energy Information Center Director - *

3. Advise Oswego County Fire Control, via fire radio, of conditions.

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FIGURE 1

FIRE FIGHTING CHECKLIST

(Control Room/CSO)

DATE:_____ NAME:_____

	INITIAL/TIME	
a.	_____	Sound fire alarm for 10 seconds and announce over PA system "Attention, a fire has been detected in (location of fire). The NMP Fire Department shall report to (location of fire)." Repeat alarm and announcement twice.
b.	_____	Turn up volume on the Oswego Fire/Rescue and UHF radio base stations.
c.	_____	Designated Licensed Nuclear Operator responded.
d.	_____	SSS responded.
e.	_____	Nuclear Fire Chief responded.
f.	_____	Security Force responded.
g.	_____	If reqested by the Nuclear Fire Chief call Oswego County Fire Control at the number listed below and request fire fighting assitance at the Nine Mile Point Unit 1. 343-6555 (if busy or no answer, call 343-8571) If both numbers are busy or no answer, contact Oswego County Fire Control using the fire radio.
h.	_____	Process monitors checked.
i.	_____	Initiate any required Special Operating Procedure(s).
j	_____	When directed by Station Shift Supervisor, sound station evacuation alarm and announce evacuation per EAP-1 Figure 3.
k.	_____	Upon notification from the Nuclear Fire Chief that the fire has been extinguished or the event has been deteremined to be a false alarm, sound station alarm for 10 sec. and announce the termination of the event.

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FIGURE 2

FIRE FIGHTING CHECKLIST

(Security Building/Security Shift Supervisors) 8

DATE:_____ NAME:_____

	INITIAL/TIME	
a.	_____	Acknowledge receipt of alarm to CSO.
b.	_____	Dispatch a Security Guard with a radio to the fire scene command post to coordinate communications between the Security Department and the Nuclear Fire Chief.
c.	_____	Turn up volume on Oswego Fire/Rescue and UHF base stations.
d.	_____	Off Hours: Contact Supervisor Fire Protection (* or pager) and the Emergency Coordinator (* or pager).
e.	_____	Dispatch a guard and vehicle to Lake Road to direct responding fire vehicles and personnel to the appropriate access road and Emergency Vehicle Staging area. 8
f.	_____	Issue film badges to firemen.
g.	_____	Notify Nuclear Fire Chief and SSS directly or through security guard at command post and Control Room SAS, of the number of fire trucks and the time they arrived on Site.
h.	_____	Off Hours: Make calls per EPP-20, Figure 3.
i.	_____	CSO notified that call(s) have been made.
j.	_____	If a Station Evacuation Alarm is sounded, dispatch a roll call & visitor list to Operations Support Center.
k.	_____	Prior to allowing off-site Fire Departments to depart ensure: 1) Film badges collected and data logged. 2) Data for film badge issue sheets and entrance registration log has been collected. 3) Personnel, vehicles, and equipment have been surveyed by Radiation Protection and cleared for department by SSS.

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FIGURE 3

FIRE FIGHTING CHECKLIST

(Chemistry and Radiation Management Department)

DATE: _____ NAME: _____ _____

	INITIAL/TIME	
a.	_____	When fire alarm is sounded send an inplant survey team to fire location to assist Nuclear Fire Chief in evaluating radiological aspects of fire.
b.	_____	Take air samples as necessary in area fire fighters are working.
c.	_____	When fire is extinguished, provide necessary support to survey personnel and equipment at fire scene.
d.	_____	If Station Evacuation Alarm is sounded, have a survey team report back names of all at scene of fire and refer names to Personnel Accountability Coordinator.
e.	_____	CAMs and stack monitors being checked.
f.	_____	Off-hours utilize departmental callout list to provide radiological assistance to the Nuclear Fire Chief if necessary.
g.	_____	During a station evacuation dispatch a survey team to monitor contractors assembling at their work location headquarters.

NINE MILE POINT NUCLEAR STATION

EMERGENCY PLAN IMPLEMENTING PROCEDURES

PROCEDURE NO. EPP-3

SEARCH AND RESCUE

FOR INFORMATION ONLY

APPROVALS	SIGNATURES	DATE AND INITIALS REVISION 4	REVISION 5	REVISION 6
Chemistry & Radiation Management Superintendent E. W. Leach	E W Leach	8/14/82 EWL	3/4/83 EWL	5/31/83 EWL
Supervisor Nuclear Security R. F. Orr	R F Orr	8/19/82 RFO	3/4/83 RFO	6/1/83 RFO
Supervisor Fire Protection R. L. Raymond	R L Raymond	9/1/82 RLR	3/15/83 RLR	6/1/83 RLR
Station Superintendent NMPNS T. W. Roman	T W Roman			
General Superintendent Nuclear Generation Chairman of S.O.R.C. T. J. Perkins	T J Perkins	8/12/82 TJP	3/16/83 TJP	6/1/83 TJP

Summary of Pages

Revision 6

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EPP-3

SEARCH AND RESCUE

EPP-3

SEARCH AND RESCUE

1.0 PURPOSE

This procedure provides the guidelines for determining the actions to be taken for the search and/or rescue of personnel who may be trapped or disabled in some area of the station.

2.0 REFERENCES

2.1 NCRP Report No. 39 Basic Radiation Protection Criteria

2.2 EPP-2 Fire Fighting

2.3 EPP-4 Personnel Injury or Illness

3.0 RESPONSIBILITIES

The following position listing provides associated assignment responsibilities for key staff involved in plant search and rescue activities.

3.1 Station Shift Supervisor

a. Maintains knowledge, through the Chief Shift Operator, designated Licensed Nuclear Operator, and Nuclear Fire Chief regarding the current status of search and rescue activities as they pertain to plant operations and potential/actual system operational changes. | 6

3.2 Chief Shift Operator

a. Activates search and/or rescue activities in response to reports by station personnel.

b. Activates additional search and rescue assistance if requested by the Nuclear Fire Chief, or warranted by station operating conditions, and contact required personnel.

c. Provides the Station Shift Supervisor with current search and rescue status reports, including potential/actual impacts on station operations.

3.3 Licensed Nuclear Operator | 6

a. Provides technical advice to the Nuclear Fire Chief in regards to current plant operating status.

b. Provide current search and rescue status reports to the Chief Shift Operator and/or the Station Shift Supervisor.

3.4 Nuclear Fire Chief

a. Periodically reviews capabilities and limitations of search and rescue equipment; and initiates corrective actions, if necessary. | 5

b. Responds to and directs all search and rescue operations.

3.5 Nuclear Fire Fighter

a. Responds to ALL search and rescue announcements, and performs actions under the direction of the Nuclear Fire Chief.

b. Ensures that any required training/certification is kept current and up-to-date.

c. Participates in search and rescue drills and attends periodic training and plant familiarization classes. | 5

3.6 Station Security

a. Assists the Chief Shift Operator (or Control Room) in determining location of missing personnel. | 5

b. Maintains plant physical security and performs required personnel notifications.

3.7 Chemistry and Radiation Management Department

a. Provides radiation protection assistance during search and rescue operations. | 5

4.0 PROCEDURE

4.1 Notification of Missing or Trapped Person

4.1.1 Immediately upon being aware that an individual may be missing and/or trapped or disabled, the individual who discovers the situation shall call the Control Room, report the situation, and provide the following information if known:

a. Name of the individual missing and/or trapped or disabled.

b. Location of the individual if the individual is trapped or disabled; or, last known location and possible present location of an individual who is missing.

c. Any circumstances which may affect search and rescue operations, such as fire, explosion, or high radiation levels.

4.1.2 If an individual is missing, the Chief Shift Operator shall proceed in accordance with Section 4.2. If an individual is trapped or disabled, the Chief Shift Operator shall proceed in accordance with Section 4.3.

4.2 Initiation of Search and Rescue Operations

4.2.1 Search Operations

Chief Shift Operator:

a. Call the Security Building and find out whether or not the missing individual's security badge is in the rack and whether or not the computer shows the individual to be on-site or off-site. If the individual is shown to be off-site, no further action is necessary.

b. If the individual is shown to be on-site, contact the individual's supervisor.

c. If the individual's supervisor does not know his location, page the individual using the PA system.

d. If the page is not answered in a minute or two, repeat the page.

e. If an answer is not received in another three or four minutes, make the following announcement twice over the PA system:

"ATTENTION ALL PERSONNEL: IF ANYONE KNOWS THE PRESENT LOCATION OF (name of missing individual), PLEASE CALL THE CONTROL ROOM IMMEDIATELY".

4.2.2 If the missing individual has not been located following the completion of step 4.2.1 proceed to step 4.2.3.

4.2.3 Rescue Operations

Chief Shift Operator (See Figure 1):

a. When it is determined that a person is missing or trapped, the Chief Shift Operator should sound the station alarm for approximately 10 seconds and then announce: "Attention, the NMP Fire Department should report to (location of area)." Repeat alarm and announcement one time. If location of missing person is not known, NMP Fire Department should be told to report to the Control Room.

b. If the Chief Shift Operator does not receive an acknowledgement from the Nuclear Fire Chief and designated Licensed Nuclear Operator in 60 seconds, he will repeat 4.2.3(a). If the Nuclear Fire Chief and designated Licensed Nuclear Operator do not acknowledge the second call, the CSO will proceed with d & e below. 6

c. Turn up volume on the fire and UHF radio base stations.

d. If the rescue operation occurs on the day shift, contact the Station Superintendent to arrange for backup rescue personnel.

4.2.3 Rescue Operations (Cont.)

e. If the rescue operation occurs on off-hours, contact the NMP-1 Security and request they call the following individuals:
   1) On-Call Operations Supervisor (See on-call list)
   2) Supervisor Fire Protection - *
   3) On-Call Chemistry and Radiation Mgt. Dept. Supervisor (See on-call list)
   4) Area Safety Director - *

   On-Call supervisors will be requested to contact other station personnel as required for backup rescue personnel.

f. When requested by the Nuclear Fire Chief contact the Radiation Protection office or a department supervisor and direct them to dispatch an inplant survey team to the rescue location. | 5

4.3 Personnel Actions

4.3.1 Station Shift Supervisor

Contact Control Room and acknowledge receipt of the rescue announcement.

4.3.2 Nuclear Fire Chief

a. Contact Control Room and acknowledge receipt of the rescue announcement.

b. If location of missing person is not known, proceed to the Control Room. Gather information from various members of the station staff to try to determine where the missing person might be. Organize a search to locate the missing person assigning members of the NMP Fire Department to specific search areas. Include the individual's department or company work area. | 5

c. Once he is found, report location and status of individual to Control Room and have entire NMP Fire Department report to that area. If the area is known to be highly contaminated, request the Control Room send an inplant survey team to provide health physics coverage for the fire department.

d. Proceed to the area with required equipment from Station Storeroom, Instrument Storage Room, Rescue Kit or In-Plant Survey Kit. Lifelines, teletector and High Range dosimeter should be considered to augment required tools and equipment.

e. Direct the rescue operation. Have the Chief Shift Operator call for additional help, if needed.

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4.3.3 Nine Mile Point Fire Department

a. The NMP Fire Department (normally consisting of a Licensed Nuclear Operator (advisor), four Nuclear Fire Fighters and one Nuclear Fire Chief) will report to the area specified in the public address announcement or the Control Room for assignment of search areas. | 6

b. Once the location of the trapped or injured person is known, proceed to that location. Enroute to the area:

1) One Nuclear Fire Fighter should pick up a stretcher in the most convenient location if contamination is present in the rescue area. He should also pick up protective clothing from the fire cabinet at the entrance to the building where the rescue is to take place.
2) If airborne activity is potentially significant in the rescue area, another Nuclear Fire Fighter should pick up two Scott Air Paks from the fire cabinet at the entrance to the building where the rescue is to take place.
3) Another Nuclear Fire Fighter will pick up a first aid kit from the fire cabinet nearest the entrance to the building where the rescue will take place.

c. At the rescue area, a minimum of two persons will enter the immediate area to assess the situation.

If the area is known to be highly contaminated, or if an explosion or massive escape of steam is involved in the incident, protective clothing and Scott Air Paks should be worn.

If the area is smoke or steam filled, or if the area is in disarray because of a fire or explosion, the men should use life-lines.

Radiation levels should be monitored as the area is entered.

d. On the basis of this inspection of the area, if the rescue is complicated by the condition of the area, the NMP Fire Department will retire to a safe area and plan the method of rescue.

4.3.4 Licensed Nuclear Operator | 6

a. Contact Control Room and acknowledge receipt of the rescue announcement.

b. Upon activation of the NMP Fire Department, will function as an advisor to the Nuclear Fire Chief, and assist in coordinating search and rescue activities with the Control Room. | 6

4.3.5 Chemistry and Radiation Management Department

a. Contact Control Room to determine whether Chemistry and Radiation Management assistance is required as part of the search and rescue operations.

NOTE: Assistance will be directed by the Chief Technician until relieved by a Chemistry and Radiation Management Department supervisor. 6

4.3.6 Security

a. Dispatch a guard with a radio to assist the Fire Chief in determining location of individual.

b. A guard from the Security Building will meet an ambulance, if required, to assign film badges and other equipment as needed from the Ambulance and Fire Kit.

c. Off-hours - when requested by the Control Room contact the following individuals for additional rescue personnel.
   1) On-call Operations Supervisor
   2) On-call Chem & Rad Mgt. Dept. Supervisor
   3) Supervisor Fire Protection
   4) Area Safety Director

4.4 Guidelines for Complicating Conditions

4.4.1 High Radiation

a. Changes from normal radiation protection procedures.

If an individual is trapped or disabled in an area in which the dose received during the rescue effort will be greater than 200 mrem, the rescue must be carried out as expeditiously as possible to keep the dose to the victim as low as possible. Therefore, for the rescue of personnel in which undue delay may result in the victim's death, the following modifications are made to Station Radiation Protection Procedure:

1) No prior authorization for exposure need be made out.
2) Exposure in excess of 10 CFR 20 limits may be taken, keeping in mind the biological effects of large doses of radiation.
3) A dose of up to 75 rem may be received once in a lifetime to safe a life.
4) If time permits adequate planning and protection, this dose should be limited to 12 rem.

b. Action to be taken:
   1) Complete all items in 4.3.3c.
   2) Wearing 0-5R or 0-50R self-reading dosimeters as appropriate and using the teletector, enter the area and attempt to complete the rescue (Equipment available from Inplant Survey Kit).

4.4.2 Fire

a. Rescue of a victim shall take precedence over fire fighting unless necessary to suppress the fire to accomplish rescue.

b. Action to be taken:
   1. Complete all items in 4.3.3.c
   2. One person should spray water ahead of the other two while they perform the rescue.

4

4.4.3 Steam or Hot Water

a. Rescue of a victim shall take precedence over isolation of a system unless:
   1) It is necessary to isolate the system to perform the rescue.
   2) The action of not isolating the system will place the lives of other personnel in immediate danger.

b. Action to be taken:
   1) Complete all items in 4.3.3 c.
   2) Enter the area and perform rescue.

4.5 Termination of Search and Rescue Emergency Actions

4

4.5.1 Nuclear Fire Chief

a. Once individual has been found, rescued and/or extricated, the Nuclear Fire Chief shall notify the Control Room of individual's status and request that an appropriate announcement be made.

b. Remove the victim to the closest safe area and apply any required first aid.

c. If victim is injured and contaminated refer to Procedure EPP-4, "Personnel Injury or Illness".

4.5.2 Chief Shift Operator (CSO)

a. Once CSO is informed of completed rescue, he shall announce termination of station alarm situation and contact individual's supervisor (or individual calling in alarm) to relay information concerning victim's status.

EPP-3

FIGURE 1

CSO CHECKLIST

SEARCH AND RESCUE

DATE:_____ NAME:_____

	INTIAL/TIME	
1.	____/____	When it is determined that a person is missing or trapped, sound Station Alarm and announce over PA system "Attention, the NMP Fire Department shall report to (location)". Repeat alarm and announcement twice.
2.	____/____	Contact established with Nuclear Fire Chief and designated Licensed Nuclear Operator, or repeat alarm and announcement. 6
3.	____/____	Contact Station Superintendent, or security for back-up personnel callouts.
4.	____/____	Security callouts completed (off hours only)
5.	____/____	Turn up volume on the UHF and fire radio base stations.
6.	____/____	When requested by the Nuclear Fire Chief, contact Radiation Protection office or department supervisor and direct them to send an inplant survey team to rescue location.
7.	____/____	Announce termination of station alarm situation.
8.	____/____	Contact victim's supervisor or person calling in alarm and inform about victim's status.

NINE MILE POINT NUCLEAR STATION

EMERGENCY PLAN IMPLEMENTING PROCEDURES

PROCEDURE NO. EPP-4

PERSONNEL INJURY OR ILLNESS

FOR INFORMATION ONLY

APPROVALS	SIGNATURES	DATE AND INITIALS REVISION 6	REVISION 7	REVISION 8
Chemistry & Radiation Management Superintendent E. W. Leach	E W Leach	3/2/83	5/31/83	
Supervisor Nuclear Security R. F. Orr	R F Orr	3/4/83 RFO	6/1/83 RFO	
Fire Protection Supervisor R. L. Raymond	R L Raymond	3/8/83 RLR	6/1/83 RLR	
Station Superintendent NMPNS T. W. Roman	T W Roman	3/3/83	6/1/83	
General Superintendent Nuclear Generation Chairman of S.O.R.C. T. J. Perkins	T J Perkins	3/8/83 TJP	6/1/83 TJP	

Summary of Pages

REVISION 7

PAGES	DATE
4, 14, 18	February 1983
i, 1-3, 5-13, 15-17	May 1983

NIAGARA MOHAWK POWER CORPORATION

*Proprietory information controlled copies only.

For

THIS PROCEDURE NOT TO BE USED AFTER May 1985, SUBJECT TO PERIODIC REVIEW.

EPP-4

PERSONNEL INJURY OR ILLNESS

EPP-4

PERSONNEL INJURY OR ILLNESS

1.0 PURPOSE

The purpose of this procedure is to assure that prompt medical attention is provided to all ill or injured personnel, and to prevent the unnecessary spread of radioactive contamination to the responding ambulance or receiving hospital.

2.0 REFERENCES

2.1 Oswego Hospital Plan for the Decontamination and Treatment of Radioactively Contaminated Patients.

2.2 State University Hospital at Upstate Medical Center, Radiologic Emergency Plan.

2.3 EAP-1-Activation and Direction of the Emergency Plan

2.4 EAP-2-Classifications of Emergency Conditions

2.5 EPP-20-Emergency Notifications

3.0 RESPONSIBILITIES

The following position listing provides associated assignment responsibilities for key staff involved in Personnel Injury or Illness activities:

3.1 Chief Shift Operator

a. Provides the Station Shift Supervisor with initial and periodic status reports of personnel injuries or illness, including potential/actual impacts on station operations.

b. After receiving information of personnel injury/illness, initiates appropriate responses. These may include activating a medical response team via station alarm and announcement, and performing required personnel notifications.

3.2 Station Shift Supervisor

a. Maintains knowledge, through either the Chief Shift Operator or the Nuclear Fire Chief, or designated Licensed Nuclear Operator, regarding the current status of personnel injuries or illness as they pertain to plant operations and potential/actual system operational changes. 7

b. Assumes the role of Emergency Director, until properly relieved.

c. Performs actions required per EAP-1 and 2, and EPP-20 (Classification and Notification of Emergency Conditions).

3.2 Station Shift Supervisor (Cont.)

d. Makes required and appropriate assignments of emergency functions including assigning an individual to meet ambulance at the correct building door and issuing protective clothing and equipment to ambulance personnel.

3.3 Licensed Nuclear Operator

a. Provide technical advise to the Nuclear Fire Chief in regards to current plant operating status.

b. Provide current personnel injury or illness status reports to the Chief Shift Operator and/or the Station Shift Supervisor.

3.4 Supervisor Fire Protection

a. In conjuction with Area Safety Director investigates all personnel injury/illness incidents, and initiates restorative and/or preventive actions (if required).

b. Initiates review of procedures, methods, plant layout, etc., to determine and correct any existing or potential safety hazard.

c. Ensures that any required training/certification is kept current and up to date.

3.5 Nuclear Fire Chief

a. Periodically reviews capabilities and limitations of personnel injury/illness medical response equipment; and initiates corrective actions, if required.

b. Initiates training and drills, in order to ensure the appropriate response to personnel injury/illness.

c. Responds to and direct all personnel injury/illness operations.

3.6 Nuclear Fire Fighters

a. Responds to ALL Personnel Injury/Illness announcements, and performs actions under the direct guidance of the Nuclear Fire Chief and/or in accordance with standard first aid techniques.

b. Participates in personnel injury/illness drills and attend periodic training.

3.7 Station Security

a. Provides responding off-site personnel (if required) with appropriate dosimetry, expedites their arrival on site, accompanies ambulance, and maintains required personnel accountability.

b. Performs required off hours personnel notification.

3.0 Chemistry and Radiation Management Department

a. Determines the need for medical advice regarding decontamination of contaminated wounds.

b. Proceeds to the hospital (for contaminated wounds) and provides hospital personnel with all pertinent information regarding contamination control measures.

c. Provides radiation protection assistance to the NMP Fire Department and hospital personnel.

d. Provides for follow-up bioassays, as necessary, per established station procedures.

4.0 DEFINITION

4.1 Minor Injury or Illness is a disability which does not require immediate medical attention (other than normal first aid techniques) for the well being of the patient.

4.2 Major Injury or Illness is a disability which requires immediate medical attention by emergency medical personnel for the well being of the patient.

5.0 PROCEDURE

5.1 Notification of Injury

5.1.1 Immediately upon becoming aware that an injury or illness has occurred, the injured (if the injury is minor) or someone witnessing the injury, shall contact the Control Room and report the occurrence.

5.1.2 If the injury or illness occurred in a radiological controlled area and is minor, the injured should leave or be removed from the area. Any protective clothing being worn should be removed and the individual surveyed if the area is contaminated. Otherwise, the injured should be moved to a low radiation area if injuries permit.

5.1.3 Chief Shift Operator

a. If the injury is judged to be minor based upon a verbal description, give instructions for the injured to proceed to the plant decontamination room. If the injured is known to be contaminated, he should be informed to wear clean protective clothing enroute to the decontamination room.

b. If the injury is judged to be a major injury, proceed with actions required per section 5.3. In addition, should the injured be contaminated and need hospitalization, the Emergency Director or his designee shall also perform actions required per EAP-1, Figure 2, "Emergency Director's Checklist".

5.1.3 Chief Shift Operator (Cont.)

c. Dispatch individual(s) trained in personnel decontamination and first aid to the decontamination room. Normally a member of the Chemistry and Radiation Protection Department shall perform any necessary survey required per Section 5.2 and a Nuclear Fire Fighter trained in first aid will be dispatched to meet the individual and provide medical assistance. 6

d. Notify the Area Safety Director and the Supervisor Fire Protection.

e. CSO should contact the SSS and inform him of injury status.

5.2 Minor Injury or Illness

If injury is superficial and does not require immediate medical attention for the well-being of the patient, take the following action:

5.2.1 Nuclear Fire Fighter

a. If an open wound is involved, the wound should be flushed promptly for at least 5 minutes with slightly warm water. If the injury is not an open wound (such as a shallow cut or puncture) flush for 2 minutes. In both cases, light to moderate bleeding should be enhanced to help flush the wound. Such flushing can be done at any sink in the restricted area but the sink in the personnel decontamination area is preferred.

b. The object causing the injury and any clothing through which the object passed should be saved for analysis by Radiation Protection.

c. If contamination levels in or around the wound do not exceed 150 cpm above background (1500 dpm on a 15cm^2 probe area), administer necessary first aid to treat the wound. Survey remaining skin also. Contamination which is not immediately around the wound should be removed carefully using one of the decontamination techniques described in EPP-15 or the following technique:

1. Using swabs dipped in a thick detergent paste, rub small areas of the skin with a rubbing motion that is away from the wound. Follow with swabs moistened with water to clean off any remaining detergent. Repeat until the decontamination is removed.

2. Cover the wound with tape or a bandage to prevent decontaminating solution from entering the wound. Then use standard skin decontamination procedures.

d. If hospitalization of patient is necessary, proceed to section 5.4.

5.2.2 Chemistry and Radiation Management Department

a. After flushing is complete and the area is carefully blotted dry, the wound area should be surveyed with a GM detector.

b. Records of all decontamination efforts must be reported on the Skin Decontamination Record form (see Figure 2) available in the Radiation Protection Office and the personnel decontamination room.

c. If contamination levels in the wound exceed 150 cpm (1500 dpm on a 15 cm^2 probe area), a Chemistry & Radiation Management Department Supervisor will decide if medical advice is necessary.

If such advice or assistance is required, contact the following physicians:

	Office Phone	Home Phone
Dr. [redacted]	[redacted]	[redacted]
	(Summer months)	[redacted]

*On off-hours this number is answered by an answering service. Ask for Dr. O'Brien to call the station on [redacted]

	Office Phone	Home Phone
Dr. [redacted]	[redacted]	[redacted]
Radiation Management Corp.	[redacted]	(24 hrs)

5.3 Major Injury or Illness

If an injury or illness requires immediate medical attention, take the following actions (see Figure 1 - CSO Checklist).

5.3.1 Chief Shift Operator

a. As soon as the Chief Shift Operator knows that a major injury or illness has occurred, he will sound the station alarm for approximately 10 seconds and then announce over the public address system.

"Attention ALL Personnel: An injury has occurred (location of injured). The Nine Mile Point Fire Department shall report to (location of injured) immediately. All other personnel remain clear of that area". (See Figure 1.) Repeat alarm and announcement twice.

*Proprietory information.
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5.3.1 Chief Shift Operator (Cont.)

b. If it is determined that the injured is contaminated, contact Radiation Protection Department and verify that a survey team has been dispatched to the area.

c. If requested by the Nuclear Fire Chief, summons an ambulance by notifying Oswego County Fire Control per section 5.4.2

5.3.2 Licensed Nuclear Operator

a. Contact Control Room and acknowledge receipt of alarm. 7

b. Proceed to location of injury/illness with a radio and act as an advisor to the Nuclear Fire Chief at the Command Post. Report status of the injury/illness to the Control Room immediately.

5.3.3 Station Shift Supervisor

a. Assumes the role of Emergency Director, until properly relieved.

b. The Emergency Director (or his designee) will evaluate emergency per EAP-1 and commence emergency classifications per EAP-2 and notifications per EPP-20 as soon as information becomes available on injuries and contamination levels.

5.3.4 Nuclear Fire Chief 7

a. Contact control room and acknowledge receipt of alarm.

b. Proceed to injury location and set up command post. Ensure the designated licensed Nuclear Operator and Security Guard are available to coordinate communication with their respective departments. 7

c. Under the direction of the Nuclear Fire Chief, normal first aid techniques should be used except that efforts should be taken to prevent contaminating the patient or spreading any contamination which might be on him. Contamination control efforts should always take second place to the well-being of the patient.

d. If the injury is such that an ambulance is required, the Nuclear Fire Chief shall call the Chief Shift Operator or the Control Room and request an ambulance be summoned to the site (see section 5.4.3). While waiting for the ambulance he should perform as much decontamination as the injuries permit (at least removing any protective clothing, if not done previously).

e. Once ambulance has left the site or the medical emergency has been terminated, contact Control Room and notify them of event status.

5.3.5 Nuclear Fire Fighter | 7

a. The NMP Fire Department should report to the location specified. Enroute to the area:

1. One Nuclear Fire Fighter should pick up a stretcher and blanket in the most convenient location.

2. Another Nuclear Fire Fighter should pick up a first aid kit.

b. To remove an injured person from a contaminated area, a stretcher should be placed on a blanket next to the patient and another blanket placed inside the stretcher, and then wrapped around the patient. This will not only keep the patient comfortable but also contain any loose contamination. If a Scoop stretcher is used, wrap the individual and stretcher in blankets to prevent the further spread of contamination.

c. If the patient is contaminated to greater than 50,000 cpm (500,000 dpm on a 15 cm^2 probe area) consideration should be given to using the Contaminated Patient Carrier. If it is determined that the Contaminated Patient Carrier should be used, advise the ambulance personnel of this and relocate the carrier to a non-contaminated area close to the injured prior to the ambulance's arrival. | 7

5.3.6 Chemistry and Radiation Management Department | 7

a. Upon notification of a contaminated injured person, the Chemistry and Radiation Protection Department shall dispatch a survey team with a radio to survey and isolate the area.

b. Once the injured is stabilized, he should be surveyed for contamination. The injured should only be moved if conditions in the immediate area (extremely high radiation levels or danger of fire/explosion or dangerous atmosphere) would cause further injury.

c. Depending on the number of individuals injured and/or contaminated, personnel monitoring techniques should be adjusted accordingly (eg, quick frisk for establishing levels, segregate per gross levels of contamination, and full survey prior to release.

d. Provide radiological assistance during the transfer of individual from the station to the ambulance. Prior to loading the patient in the ambulance, ensure a cover (herculite or paper) is placed on the floor of the ambulance.

e. Perform appropriate follow-up bioassays per established station procedures.

5.3.7 Security Force

a. Contact Control Room and verifies receipt of alarm.

b. Dispatches a guard with a radio to the injury scene command post to corrdinate communication between the Security Department and the Nuclear Fire Chief.

5.4 Hospitalization

5.4.1 General

a. All potentially serious injuries should be referred to the Oswego Hospital Emergency Room .

5.4.1 General (Cont.)

b. The injured will be stabilized and evaluated at the hospital. If he has received a radiation dose in excess of 100 rem, need for neurosurgery is indicated, or the special equipment or skills of the medical center are required, then Oswego Hospital should refer him to the State University Hospital at Upstate Medical Center in Syracuse once his injuries have been stabilized.

5.4.2 Chief Shift Operator

a. Call Oswego County Fire Control at 343-1313 (if busy or no answer, call 343-8571).

Tell the dispatcher:

1. If a patient is not contaminated and requires an ambulance:

"An ambulance is needed at the Nine Mile Point Nuclear Station Unit 1. The injured person(s) is (are) not contaminated. He can be handled as a routine patient. He appears to have the following injuries: (describe injuries _____)."

2. If a patient is not contaminated and does not require an ambulance:

"This is the Nine Mile Point Nuclear Station Unit 1. Please inform Oswego Hospital that an injured person is enroute to the hospital. The injured person is not contaminated and can be handled as a routine patient. He appears to have the following injuries: (describe injuries _____)."

5.4.2 Chief Shift Operator (cont.)

3. If the patient is contaminated and requires an ambulance:

"An ambulance is needed at the Nine Mile Point Nuclear Station Unit 1. Please initiate emergency procedures as the patient(s) is (are) contaminated. Please ensure that Oswego Hospital is notified and given the following information:

# of injured persons _____
# of contaminated injured persons _____
Contamination levels are _____ dpm or mRAD/hr
Description of injuries _____
_____
_____

4. If the patient is contaminated but does not require an ambulance:

"This is the Nine Mile Point Nuclear Station Unit 1. Please inform Oswego Hospital to initiate emergency procedures as a contaminated patient(s) is (are) enroute to the hospital. Please ensure that Oswego Hospital is notified and given the following information:

# of injured persons _____
# of contaminated injured persons _____
Contamination levels are _____ dpm or mRAD/hr
Description of injuries _____
_____
_____
Expected time of arrival _____

c. Notify the Security Force that "an ambulance is enroute to the plant". When it arrives, permit immediate entry and escort it to (location).

d. If the patient is contaminated, call a physician who is prepared to handle contaminated injuries. Inform him that a contaminated, injured person has been sent to the hospital. Advise the person riding in the ambulance with the patient on the availability or non-availability of the doctor.

	Office Phone	Home Phone
Dr. * _____	*	*
	(Summer Months)	*

*Proprietory information. For controlled copies only.

On off-hours this number is answered by an answering service. Ask for Dr. O'Brien to call the station on ___

	Office Phone	Home Phone
Dr. * _____	*	

Radiation Management Corp. * (24 hrs)
*

5.4.2 Chief Shift Operator (Cont.)

e. If the patient is contaminated and being transported to the hospital, notify the On-Call Chemistry & Radiation Management Supervisor to meet the ambulance at the Oswego Hospital. Give him pertinent information as to contamination levels of the patient and extent of injuries.

f. Upon notification from the Nuclear Fire Chief that the medical emergency has been terminated, sound the station alarm and announce the termination of the event.

5.4.3 Station Shift Supervisor

a. The Station Shift Supervisor shall assign at least one Radiation Protection Technician to ride in the ambulance. The SSS shall assign an individual to meet the ambulance at the appropriate door and issue attendants any protective clothing, respiratory, or ambulance contamination control equipment necessary to pick up and transport the patient.

5.4.4 NMP Fire Department

a. While waiting for the arrival of ambulance, the NMP Fire Department should continuously monitor the injured for bleeding, respiration, shock and record patients vital signs on Ambulance Run Record (Fig. 3). Any information relative to the contamination levels on the various parts of the patients body should be indicated on Fig. 3 and recorded in the comments section of the form. In addition, the contaminated Patient Carrier, if being used, should be moved to a non-contaminated area close to the injured.

b. When ambulance arrives, assist ambulance personnel as well as advise them in matters of contamination control. Ensure a cover is placed on floor of ambulance prior to loading, victim to prevent the spread of contamination during transport. Provide ambulance attendants with run sheet containing patients vital signs.

5.4.5 Chemistry and Radiation Management Department

a. A Chemistry and Radiation Protection Technician or Supervisor will ride with the injured in the ambulance. This individual should take a count rate and a dose rate meter (ion chamber type) with him to the hospital.

In addition a Chemistry and Radiation Management Department Supervisor will meet the ambulance at the hospital and provide assistance to hospital personnel in radiological controls.

5.4.5 Chemistry and Radiation Management Department (cont.)

b. At the Oswego Hospital, the Radiation Protection Technician and Supervisor should assure that the entry way and the room to be used have been adequately prepared for the contaminated condition of the patient. Ensure film badges have been issued from the Nuclear Emergency Cabinet to doctors and nurses who will work with the patient if contamination level is such that a person treating him would be likely to receive greater than 1 mr/hr. Issue respiratory equipment from Emergency Cabinet to selected personnel if contamination levels are greater than 25,000 cpm (250,000 dpm on a 15 cm^2 probe area) over more than 2 square feet or greater than 500 mrad/hr over a smaller area. All handling of the patient at the hospital will be in accordance with the "Oswego Hospital Plan for the Decontamination and Treatment of Radioactively Contaminated Patients".

b. In addition to the above plan, NMP Radiation Protection personnel shall make recommendations to supplement this plan, as appropriate. Supplies for handling contaminated patients are stored in the Nuclear Emergency Cabinet near the X-ray Department.

c. Any excised tissue should be placed in separate vials, provided in the RMC sample taking kit, identified and kept for later analysis.

d. At the completion of the treatment, all paper and plastic should be removed. The hospital area, personnel and equipment involved in the treatment will be surveyed, decontaminated,(if required), and released by Niagara Mohawk. All waste, both liquid and solid, will be returned to Nine Mile Point for handling. Collect all film badges and obtain data for the Film Badge Issue Sheet.

e. If the decision is made to move the injured to the State University Hospital at Upstate Medical Center, the Chemistry and Radiation Protection technician should accompany the ambulance to Syracuse and ensure this information is relayed to responding Chemistry and Radiation Management Department Supervisor. Enroute he will advise the ambulance personnel on contamination problems, and will assist in decontaminating the ambulance in Syracuse after completion of the transport. (See Figures 2 & 3.)

f. At the State University Hospital at Upstate Medical Center, make sure the ambulance has gone to the Emergency Room entrance if the patient is contaminated. State University Hospital personnel will meet the ambulance at the Emergency Room entrance and will handle the patient(s) in accordance with the State University Hospital Radiologic Emergency Plan.

5.4.5 Chemistry and Radiation Management Department (Cont.)

g. Once it has been determined that the ambulance will not be needed further, the ambulance will be surveyed. If it is free from contamination, it will be released. Film badges should be obtained from the driver and attendant, and they should be surveyed for contamination. Data for the Film Badge Issue Sheet will be obtained at this time. If no film badges were required, obtain names of attendants for Entrance Registration Log. If the ambulance is contaminated, and decontamination cannot be accomplished at the hospital.it must be sent back to Nine Mile Point for decontamination and release.

5.4.6 Security Force

a. Ensure roadway to ambulance pickup point is kept clear of any obstruction.

b. When notified by the CSO that an ambulance is on its way, dispatch a security guard and vehicle to Lake Road to direct responding medical vehicles to the appropriate access road. The emergency medical vehicle(s) and attendants should be allowed immediate access to the station and escorted to the Emergency Vehicle Staging Area.. A security guard should accompany the vehicles.

c. Normal sign-in procedures shall be waived; names shall be obtained for the Entrance Registration Log when station personnel return from the hospital.

d. Bring the Ambulance and Fire kit to the designated building entrance.

e. Issue film badges to responding offsite personnel, if in restricted area or patient is known to be contaminated.

f. During off-hours immediately notify the Station Safety Director *_____, Supervisor Fire Protection *_____ (or pager) and Emergency Coordinator * (or pager).

g. When notified by the Emergency Director (or his designee) perform notifications required per EPP-20 Figure 3, "Security Off Hours Emergency Contact List".

6.0 CONTAMINATED INJURY PATIENT CARRIER

6.1 Purpose of Equipment

NMP-1 is equipped with a contaminated injury patient carrier. This carrier is designed to minimize attendant exposures and the contamination of medical facilities and to facilitate care and decontamination of the patients.

6.2 Description of Equipment

6.2.1 Carrier

The patient carrier, located under the stairs of the Admin. Bldg. El 261' OSC area, consists of a heavy plastic carrier which is covered by a rigid transparent top enclosure. The carrier is sized to accommodate one man. The lower portion of the carrier is equipped with a drain system to facilitate decontamination of the patient. The transparent top is equipped with 12 entry holes which are either covered by gasketed tops or equipped with ambidextrous dry-box gloves. The carrier bottom is also equipped with handles for lifting.

6.2.2 Gurney

The carrier is supported by a mobile gurney which may be elevated to any necessary position and can also be tilted for drain-off of contaminated waste.

6.2.3 Air Supply

Fresh air is supplied to the patient through a 12 cfm fan. The air is discharged from the enclosure through two absolute filters to minimize the exposure of attendants to airborne particulate radioactivity from the patient.

6.2.4 Scoop Stretcher

The scoop stretcher consists of an aluminum device which can be separated at both ends and can be used to gently "scoop" a victim onto the stretcher in the position found. Since it has an open bottom it greatly facilitates decontamination because decontamination solutions can be washed off and allowed to flow down to the drain end of the carrier.

6.2.5 Miscellaneous Equipment

The carrier is also supplied with the following miscellaneous equipment:

1. Disposable blankets
2. Decontamination solutions
3. Surgeons gloves

EPP-4, FIGURE 1

CHIEF SHIFT OPERATOR CHECKLIST

PERSONNEL ILLNESS OR CONTAMINATED INJURY

DATE: _____ CSO NAME: _____

Initial/Time

1. ____/____ When informed that a major injury or illness has occurred, use "Alarm Instruct" button and ensure all PA switches are on (indoor and outdoor) and sound the station alarm for 10 seconds.

2. ____/____ Make the following announcement: "Attention ... Attention All Personnel. An injury has occurred at (location of injured). The Nine Mile Point Fire Department shall report to (location of injured) immediately. All other personnel remain clear of the area." Repeat alarm and announcement twice.

3. ____/____ If the injured is contaminated, contact Radiation Protection and verify a survey team has been dispatched to the scene. 6

4. ____/____ If the injury requires an ambulance:

a. Call the dispatcher at Oswego County Fire Control at 343-1313 (if busy, 343-8571).

Tell the dispatcher:

1. If a patient is not contaminated and requires an ambulance:
"An ambulance is needed at the Nine Mile Point Nuclear Station Unit 1. The injured person(s) is (are) not contaminated. He can be handled as a routine patient. He appears to have the following injuries: (describe injuries _____ _____ _____ _____ _____)".

2. If a patient is not contaminated and does not require an ambulance:
"This is the Nine Mile Point Nuclear Station Unit 1. Please inform Oswego Hospital that an injured person is enroute to the hospital. The injured person is not contaminated and can be handled as a routine patient. He appears to have the following injuries: (describe injuries _____ _____ _____ _____ _____)".

EPP-4, FIGURE 1 (Cont.)

CHIEF SHIFT OPERATOR CHECKLIST

MAJOR-PERSONNEL ILLNESS OR CONTAMINATED INJURY

3. If the patient is contaminated and requires an ambulance:
"An ambulance is needed at the Nine Mile Point Nuclear Station Unit 1. Please initiate emergency procedures as the patient(s) is (are) contaminated. Please ensure that Oswego Hospital is notified and given the following information:

# of injured persons _____
# of contaminated injured persons _____
Contamination levels are _____ dpm or mRAD/hr | 7
Description of injuries _____
_____
_____

4. If the patient is contaminated but does not require an ambulance:
"This is the Nine Mile Point Nuclear Station Unit 1. Please inform Oswego Hospital to initiate emergency procedures as a contaminated patient(s) is (are) enroute to the hospital. Please ensure that Oswego Hospital is notified and given the following information:

# of injured persons _____
# of contaminated injured persons _____
Contamination levels are _____ dpm or mRAD/hr | 7
Description of injuries _____
_____
_____
Expected time of arrival _____

b. Notify Security that an ambulance is coming and should be brought to (location) _____.

c. Notify SSS of emergency.

d. Off Hours: Have Security notify Station Safety Director ___ Supervisor Fire Protection ___ (or pager) and Emergency Coordinator ___ (or pager).

5. _____/_____ If the patient is not contaminated, skip Steps 6-8 and continue with Step 9.

EPP-4, FIGURE 1 (Cont.)

CHIEF SHIFT OPERATOR CHECKLIST

MAJOR-PERSONNEL ILLNESS OR CONTAMINATED INJURY

6. ____/____ For a contaminated patient call:

	Office Phone	Home Phone
Dr. *	_____ * ■ (Summer months)	____ * ■
or		
Dr. _____ * _____		

7. ____/____ Call the on-call Chemistry and Radiation Management Department Supervisor, and tell him:
   a. Go to the Oswego Hospital/Upstate Medical Center
   b. Contamination levels on the patient
   c. Extent of injuries.

8. ____/____ Off-Hours: Instruct Security to make notification required per EPP-20, Figure 3 "Security Off-Hours Emergency Contact List, as directed by SSS.

9. ____/____ Upon notification from the Nuclear Fire Chief or the designated Licensed Nuclear Operator that the medical emergency has been terminated, sound station alarm and announce termination of event.

*Proprietory information. For controlled copies only.

FIGURE 2

SKIN CONTAMINATION RECORD

Name _____ Film Badge Number: _____ Date: _____ Time: ____
Employer _____ Unit # _____
Job Title _____ Work Area _____
Detector Used: Type- _____ No. _____ Efficiency-(cpm/dpm)
Background _____ CPM Probe Area _____ cm^2

Explanation of Occurrence: _____

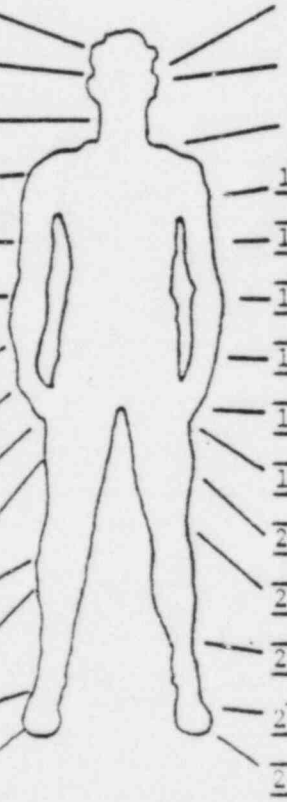
Comments: _____

Skin Condition: Decontamination Agent(s) Used:

H.P. Technician _____

NOTE: In the blank space write the amount of contamination measured next to the number relating to the part of the body contaminated. Indicate in "Comments" the specific hand, finger, etc., affected.

Before cm^2	Before $\frac{dpm}{15cm^2}$	After cm^2	After $\frac{dpm}{15cm^2}$		Before cm^2	Before $\frac{dpm}{15cm^2}$	After cm^2	After $\frac{dpm}{15cm^2}$	
				ad 1					2 Face
				Eyes 3					4 Nose
				Neck 5					6 Collar-bone
				Shldr 7					12 Chest
				Arm 8					13 Ribs
				Elbow 9					14 Back
				Forearm 10					15 Abdomen
				Wrist 11					16 Hand
				Finger 17					18 Thumb
				Hip 19					20 Groin
				Leg 23					22 Thigh
				Knee 11					24 Skin
				Ankle 25					26 Foot
				step 27					28 Toe



(1) dpm/15 cm^2 = Net counts per minute per probe area efficiency

FIGURE 3

AMBULANCE RUN RECORD

M 3243

DATE:
DAY OF WK. Mo Tu We Th Fr Sa Su

RUN NO. . . .

NAME _____ M ☐ F ☐ AGE _____

ADDRESS _____ DATE OF BIRTH _____

_____ PH# _____

NEXT OF KIN _____ RELATIONSHIP _____

ADDRESS _____ PH# _____

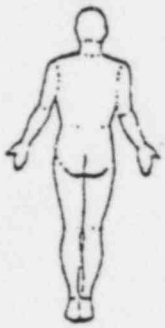
PHYSICIAN _____ INSURANCE _____

TIME				
B/P				
PULSE				
RESP.				
CONSC.	(CIRCLE ONE) FULL SEMI UN	(CIRCLE ONE) FULL SEMI UN	(CIRCLE ONE) FULL SEMI UN	(CIRCLE ONE) FULL SEMI UN
PUPILS				
SKIN				

MARK FIGURE CLEARLY WITH NUMBER

FRONT

BACK



1 ☐ ABDOMINAL INJURY
2 ☐ AMPUTATION
3 ☐ AVULSION
4 ☐ BLEEDING ☐ SEV. ☐ MOD. ☐ SL.
5 ☐ BURN ___ deg. ___ % AREA
6 ☐ CHEST INJURY
7 ☐ DISLOCATION
8 ☐ FRACTURE ☐ OPEN ☐ CLOSED
9 ☐ HEAD INJURY
10 ☐ LOSS OF MOTION / FEELING / NUMBNESS
11 ☐ PAIN
12 ☐ STRAIN / SPRAIN
13 ☐ WOUND
14 ☐ OTHER _____

☐ ALCOHOL—LIKE IMPAIRMENT
☐ BEHAVIORAL PROBLEM
☐ CARDIAC _____
☐ CONVULSIONS / SEIZURES
☐ CVA / STROKE
☐ DIABETIC RELATED PROBLEMS
☐ DIZZINESS / FAINTING
☐ DRUG OVERDOSE
☐ ENVIRONMENTAL INJURY (HEAT/COLD)
☐ GENERAL WEAKNESS / ILLNESS
☐ NAUSEA / VOMITING
☐ OBSTRUCTED AIRWAY
☐ POISONING
☐ POSSIBLE DOA
☐ PREGNANCY RELATED
☐ RESPIRATORY _____
☐ SHOCK
☐ OTHER _____

I ACKNOWLEDGE THAT I HAVE REFUSED CARE/TRANSPORT

SIGNATURE _____

WITNESS _____

HISTORY/COMMENTS

SERVICE _____

SERVICE CODE _____ VEH ID _____

CALL ORIGIN _____

INCIDENT LOC. _____

PATIENT TAKEN TO _____

C DRIVER: _____ ☐ EMT# _____
R ATNDT: _____ ☐ EMT# _____
E ATNDT: _____ ☐ EMT# _____
W ATNDT: _____ ☐ EMT# _____

CHECK ONE ONLY

CALL TYPE
☐ EMERGENCY
☐ NON—EMER./TRANSF.
☐ NO PATIENT
☐ ASSIST
☐ STAND BY

COMMUNICATIONS USED

☐ NONE
HOSPITAL NOTIFIED:
☐ DIRECTLY—UHF/TELEM
☐ DIRECTLY—VHF
☐ THRU DISPATCH
☐ COMMUNICATIONS DIFF.

MILITARY TIME RECORD

CALL REC'D	
ENROUTE	
AT SCENE	
FROM SCENE	
AT DESTINATION	
READY FOR SVC.	

BASIC LIFE SUPPORT MANAGEMENT

☐ AIRWAY CLEARED
☐ ORAL AIRWAY INSERTED
☐ SUCTION USED
☐ OXYGEN GIVEN @ _____ L.P.M., METHOD _____
☐ ARTIFICIAL VENTILATION, METHOD _____
☐ BLEEDING CONTROLLED, METHOD _____
☐ (HEAT) OR (COLD) APPLICATION
☐ VOMITING INDUCED @ TIME _____ METHOD _____
☐ LIMB IMMOBILIZATION ☐ FIXATION ☐ TRACTION
☐ SPINAL IMMOBILIZATION ☐ NECK ☐ BACK
☐ RESTRAINTS APPLIED, TYPE _____
☐ BABY DELIVERED @ TIME _____ COUNTY _____
☐ ALIVE ☐ STILL ☐ MALE ☐ FEMALE
☐ C.P.R. STARTED @ TIME _____

ADVANCED LIFE SUPPORT MANAGEMENT

AIRWAY INSERTED ☐ EOA ☐ ENDO—TRACH
☐ EKG MONITORED (ATTACH TRACING)
☐ DEFIBRILLATION NO. TIMES _____ (RECORD BELOW)
☐ MEDICATION ADMINISTERED (RECORD BELOW)
☐ IV INSERTED (RECORD SOLUTION BELOW)
☐ ANTI—SHOCK GARMENT APPLIED: ☐ INFLATED

MEDICATION RECORD

TIME	FLUID/MED.	DOSAGE	ROUTE	ADMIN. BY

ORDERING MO I D _____ AE MT I D _____

EPP-4 -13 February 1983

NINE MILE POINT NUCLEAR STATION

EMERGENCY ACTION PROCEDURE

PROCEDURE NO. EAP-3

EMERGENCY PERSONNEL ACTION PROCEDURES

FOR INFORMATION ONLY

APPROVALS	SIGNATURES	DATE AND INITIALS REVISION 0	REVISION 1	REVISION 2
Chemistry & Radiation Management Superintendent E. W. Leach	E.W. Leach	8/14/82 EWL	4/1/83 EWL	
Supervisor Nuclear Security R. F. Orr	R.F. Orr	8/19/82 RFO	6/3/83 RFO	
Station Superintendent NMPNS T. W. Roman	T.W. Roman	T.W. Roman	T.W. Roman 6/2/83	
General Superintendent Nuclear Generation Chairman of S.O.R.C. T. J. Perkins	T.J. Perkins	8/17/82 TJP	6/2/83 TJP	

Summary of Pages

REVISION 1

PAGES	DATE
1-5,9,11,13,15-17	June 1982
6-8,10,12,14,18-59	May 1983

NIAGARA MOHAWK POWER CORPORATION

THIS PROCEDURE NOT TO BE USED AFTER May 1985, SUBJECT TO PERIODIC REVIEW.

*Proprietory information. For controlled copies only.

EAP-3

EMERGENCY PERSONNEL ACTION PROCEDURES

Table of Contents

1.0 PURPOSE

This procedure provides a listing of tasks that may need to be completed by assigned emergency personnel at onsite emergency facilities depending on the nature and severity of the emergency situation.

2.0 REFERENCES

2.1 EAP-1 "Activation and Direction of the Emergency Plan"

2.2 EPP-3 "Search and Rescue"

2.3 EPP-4 "Personnel Injury or Illness"

2.4 EPP-5 "Station Evacuation"

2.5 EPP-6 "Inplant Emergency Surveys"

2.6 EPP-7 "Downwind Radiological Monitoring"

2.7 EPP-8 "Onsite and Offsite Dose Assessment"

2.8 EPP-11 "Review and Revisions of Site Emergency Plan and Procedures"

2.9 EPP-13 "Onsite Emergency Facilities Operations"

2.10 EPP-15 "Health Physics Procedure"

2.11 EPP-16 "Environmental Monitoring"

2.12 EPP-17 "Communications Procedures"

2.13 EPP-19 "Site Evacuation Procedure"

2.14 EPP-20 "Emergency Notifications"

2.15 EPP-22 "Damage Control"

3.0 PROCEDURE

Each coordinating individual called upon to fill an emergency position in the Control Room, Technical Support Center, and Operations Support Center shall utilize the appropriate procedure for that position (provided as an enclosure to this procedure) to guide his/her actions during an emergency at the Nine Mile Point Nuclear Station.

EAP-3, Enclosure 1

Site Emergency Director

1.0 GENERAL INFORMATION

Position: Site Emergency Director

Designee: General Superintendent Nuclear Generation

Alternate: Acting General Superintendent as stipulated via memorandum or per the following order:

- Station Superintendent
- Operations Supervisor
- Technical Superintendent
- Station Shift Supervisor (On Duty)

Reports To: Corporate Emergency Director/Recovery Manager

Reporting Location: Technical Support Center

2.0 RESPONSIBILITIES

The Site Emergency Director is responsible to the Corporate Emergency Director/Recovery Manager for:

2.1 Evaluating and declaring an emergency condition at the Nine Mile Point Nuclear Station;

2.2 Implementing the NMPNS Site Emergency Plan;

2.3 Assuming overall authority for the direction and control of the emergency situation until relieved by the Corporate Emergency Director/Recovery Manager;

2.4 Once relieved, maintaining overall responsibility for the actual operation and control of the station and coordinating these activities with the Corporate Emergency Director/Recovery Manager.

3.0 ACTIONS AND LIMITATIONS

All actions and limitations required of the Site Emergency Director are contained in EAP-1 "Activation and Direction of the Emergency Plan".

EAP-3, Enclosure 2
Station Superintendent

1.0 GENERAL INFORMATION

Position:	Station Superintendent
Designee:	Station Superintendent
Alternate:	Supervisor Operations Nuclear Assistant Supervisor Operations Nuclear
Reports To:	Site Emergency Director
Reporting Location:	Control Room Technical Support Center (as necessary)

2.0 RESPONSIBILITIES

The Station Superintendent is responsible to the Site Emergency Director for:

2.1 Providing liaison between the Control Room Operating Staff, Control Room Emergency Advisory personnel, and the Site Emergency Director.

2.2 Providing technical and administrative direction to the Station's Operations Staff and support personnel in accident assessment and damage control operations.

3.0 ACTIONS AND LIMITATIONS

3.1 General Activities

3.1.1 Report your position and readiness to the Site Emergency Director.

3.1.2 Announce your name and assumed position title to the Control Room Advisory Staff members that report to you and the Station Shift Supervisor.

3.1.3 Ensure that all personnel actively assigned to you are accounted for at all times.

3.1.4 Determine need for additional equipment, supplies, and manpower, and make request for same.

3.1.5 Maintain a running log of your activities and ensure documentation of the following in the Station Superintendent Log:
- Communications
- Key decisions
- Data collected
- Checklists

Use EPP-13, Figure 8 "Emergency Response/Recovery Action Log".

An accurate recording of actions must be maintained as they may be vitally important to later review of emergency response/recovery activities.

Station Superintendent

3.1.6 A. When assuming the Station Superintendent's position, request a briefing on the emergency and emergency actions status from the previous position holder. Note completion of this step in the Station Superintendent's Log and ensure your name is placed in the appropriate box on the TSC organization chart..

B. When relinquishing the Station Superintendent's position, brief your successor on the emergency and emergency actions status. Note completion of this step in the Station Superintendent's Log.

3.1.7 Ensure proper use of communications equipment per EPP-17.

3.1.8 Ensure exposure control is in accordance with EPP-15.

3.2 If not already accomplished by the SSS, designate an individual to maintain an open line of communication between the Control Room and TSC. Ensure the proper flow of emergency status information is going to and being received from TSC.

3.3 Characterize the Accident

3.3.1 Determine the type of accident assessment warranted and the availability of personnel to perform the work.

3.3.2 Determine the need for outside support and recommend these needs to the Emergency Director as they become apparent.

3.3.3 Continuously assess plant conditions and keep the Emergency Director advised of assessments and progress concerning plant conditions, changes in emergency action levels, and/or the need for additional resources and personnel.

3.4 Coordinate and transmit the Operation staff's recommendations to the Emergency Director.

EAP-3, Enclosure 3

Technical Data Coordinator

1.0 GENERAL INFORMATION

Position: Technical Data Coordinator

Designee: Technical Superintendent Nuclear

Alternate: Superintendent Technical Services Nuclear
Supervisor Technical Support

Reports To: Site Emergency Director

Reporting Location: Technical Support Center

2.0 RESPONSIBILITIES

The Technical Data Coordinator is responsible to the Site Emergency Director for:

2.1 Directing and coordinating Technical Department personnel in the analysis of emergency conditions and the development of plans and procedures in support of station operations personnel. The objective of this support being the safe shutdown of the plant which minimizes the effect on the health and safety of the general public.

2.2 The collection and posting of relevant plant status information for TSC staff members.

2.3 Providing records and drawings to emergency personnel which describe the as-built conditions and layout of station structures, systems, and components.

2.4 Ensuring the adequate initiation and maintenance of emergency communication in the TSC.

3.0 ACTIONS AND LIMITATIONS

3.1 General Activities

3.1.1 Report your position and readiness to the Site Emergency Director.

3.1.2 Announce your name and assumed position title to other Technical Support Center Staff members and to the Station Shift Supervisor.

3.1.3 Ensure that all personnel actively assigned to you are accounted for at all times.

3.1.4 Determine need for additional equipment, supplies, and manpower, and make request for same.

Technical Data Coordinator

3.1.5 Maintain a running log of your activities and ensure documentation of the following in the Technical Data coordinator's Log:

- Communications
- Key decisions
- Data collected
- Checklists

Use EPP-13, Figure 8 "Emergency Response/Recovery Action Log".

An accurate recording of actions must be maintained as they may be vitally important to later review of emergency response/recovery activities.

3.1.6 A. When assuming the Technical Data Coordinator's position, request a briefing on the emergency and emergency actions status from the previous position holder. Note completion of this step in the Technical Data Coordinator's Log and ensure your name is placed in the appropriate box on the organization chart.

B. When relinquishing the Technical Data Coordinator's position, brief your successor on the emergency and emergency actions status. Note completion of this step in the Technical Data Coordinator's Log.

3.1.7 Ensure proper use of communications equipment per EPP-17.

3.1.8 Ensure exposure control is in accordance with EPP-15.

3.2 Upon arrival in the TSC, put your name in the appropriate box on the organization chart and log in on accountability log. | 1

3.3 Unpack and organize TSC emergency operations kit, if not already accomplished. Verify TSC is properly arranged per EPP-13, Figure 5.

3.4 Receive briefing from Emergency Director on plant status, corrective actions in progress, and identified or anticipated needs from the technical group.

3.5 Verify personnel are present to fill the following positions:

a. TSC Positions
   - I&C Coordinator
   - Rx Analyst Coordinator
   - Communications Coordinator
   - Others as needed (i.e. Technical Services Coordinator, Computer Operations & Maintenance Coordinator)

b. Control Room Advisory Personnel
   - Reactor Analyst Unit Supervisor
   - I&C Unit Supervisor

If designee or alternate is not present, request approved alternate(s) from the OSC Coordinator using the EPP-11, approved personnel lists.

Technical Data Coordinator

3.6 Request additional staff from the OSC Coordinator, as necessary, and assign individuals to act as aides to the Emergency Director and to act as data loggers for the following status borads:

1. Plant Status Board - this will include such information as:
   *ECCS Status (pumps, diesel, emergency condenser, etc.)
   *Drywell temp and pressure
   *Rx temp, level and pressure
   *Any other pertinent information specific for emergency at hand

2. Radiological/Meteorological Status Board - this will include such data as:
   *Stack releases
   *CAM readings & locations
   *Area Radiation monitor readings & locations
   *Wind speed and direction
   *Any other pertinent information specific for emergency at hand

3. Emergency Events Status Board

   List emergency contacts per EPP-20, Fig. 6 "Emergency Contact List", status of notifications and chronological order of major events that have occurred.

4. Survey/Sample Status Board & Map - this will include listing type of sample, locations and results on appropriate status boards and maps.

3.7 Brief staff on plant status, corrective action in progress, and identified or anticipated technical needs.

3.8 Assure staff has sufficient support to carry out their functions.

3.9 Assign a member of your staff to assist the Communication Coordinator in retrieving the data necessary to prepare and update Part I, II, & III of the EPP-20 Notification Fact Sheets.

3.10 Assign a member of your staff to log the names and times individuals enter and exit TSC. (Use EPP-13, Figure 10.) 1

3.11 Ensure all relevant data received by the Communications Coordinator or Emergency Director is posted on the appropriate status board.

3.12 Direct and coordinate the efforts of the assigned technical staff (I&C Coordinator, Rx Analyst Coordinator and Technical Services Department Personnel) in analyzing problems and developing solutions, guidance, and emergency operating procedures for operations personnel.

Technical Data Coordinator

3.13 Call upon additional Technical Department personnel through the OSC Coordinator as necessary to provide assistance.

3.14 Provide the interface with the Emergency Director on technical problems, analyses and resolutions.

3.15 Periodically brief the Emergency Director on actions/assessments/status/results. 1

3.16 Observe the General Rules of Conduct for the TSC (EPP-13, Figure 6).

EAP-3, Enclosure 4
Instrumentation and Control Coordinator

1.0 GENERAL INFORMATION

Position: Instrumentation and Control Coordinator

Designee: Site Supervisor Instrumentation and Control

Alternate: An Instrumentation and Control Department Supervisor
Superintendent Technical Services Nuclear

Reports To: Technical Data Coordinator

Reporting Location: Technical Support Center

2.0 RESPONSIBILITIES

The Supervisor Instrumentation and Control is responsible to the Technical Data Coordinator for:

2.1 Analyzing and resolving instrumentation and control related problems.

2.2 Designing and coordinating the installation of short term emergency modifications.

2.3 Assisting in the development of emergency operating procedures for coordinating emergency operations.

3.0 ACTIONS AND LIMITATIONS

3.1 General Activities

3.1.1 Report your position and readiness to the Site Emergency Director.

3.1.2 Announce your name and assumed position title to other Technical Support Center Staff members and the Technical Data Coordinator.

3.1.3 Ensure that all personnel actively assigned to you are accounted for at all times.

3.1.4 Determine need for additional equipment, supplies, and manpower, and make request for same.

3.1.5 Maintain a running log of your activities and ensure documentation of the following in the I&C Coordinator's Log:

- Communications
- Key decisions
- Data collected
- Checklists

Use EPP-13, Figure 8 "Emergency Response/Recovery Action Log".

An accurate recording of actions must be maintained as they may be vitally important to later review of emergency response/recovery activities.

Instrumentation and Control Coordinator

3.1.6 A. When assuming the I&C Coordinator's position, request a briefing on the emergency and emergency actions status from the previous position holder. Note completion of this step in the I&C Coordinator's Log and ensure your name is placed in the appropriate box on the organization chart.

B. When relinquishing the I&C Coordinator's position, brief your successor on the emergency and emergency actions status. Note completion of this step in the I & C Coordinator's Log.

3.1.7 Ensure proper use of communications equipment per EPP-17.

3.1.8 Ensure exposure control is in accordance with EPP-15.

3.2 Upon arrival in the TSC, put your name in the appropriate box on the organization chart and log in on Accountability Log.

3.3 If one of the first people to arrive in the TSC, assist in activating the TSC per EPP-13, Figure 6, "TSC General Rules of Conduct".

3.4 Receive briefing from the Technical Data Coordinator or Emergency Director on plant status and corrective actions in progress.

3.5 At the direction of the Emergency Director or the Technical Data Coordinator, and in consultation with the I&C Unit Supervisor in the Control Room, analyze problems, determine alternate solutions, and design and coordinate the installation of short term modifications. In addition, assist in the development of emergency operating procedures for conducting emergency operations.

3.6 Call upon additional I&C Department personnel through the OSC Coordinator as necessary to provide assistance.

3.7 As necessary, coordinate with the Maintenance Coordinator and Station Survey/Sample Team Coordinator to arrange for the dispatch of teams to assess damage and repair of failed equipment.

3.8 Observe the general rules of conduct for the TSC (EPP-13, Figure 6).

EAP-3, Enclosure 5

Reactor Analyst Coordinator

1.0 GENERAL INFORMATION

Position: Reactor Analyst Coordinator

Designee: Site Supervisor Reactor Analyst

Alternate: A Reactor Analyst Department Supervisor
Superintendent Technical Services Nuclear

Reports To: Technical Data Coordinator

Reporting Location: Technical Support Center

2.0 RESPONSIBILITIES

The Reactor Analyst Coordinator is responsible to the Technical Data Coordinator for:

2.1 Analyzing and resolving reactor physics related problems.

2.2 Designing and coordinating the installation of short term emergency modifications.

2.3 Assisting in the development of emergency operating procedures for conducting emergency operations.

3.0 ACTIONS AND LIMITATIONS

3.1 General Activities

3.1.1 Report your position and readiness to the Site Emergency Director.

3.1.2 Announce your name and assumed position title to other Technical Support Center Staff members and to the Technical Data Coordinator.

3.1.3 Ensure that all personnel actively assigned to you are accounted for at all times.

3.1.4 Determine need for additional equipment, supplies, and manpower, and make request for same.

3.1.5 Maintain a running log of your activities and ensure documentation of the following in the Reactor Analyst Coordinator's Log:

- Communications
- Key decisions
- Data collected
- Checklists

Use EPP-13, Figure 8 "Emergency Response/Recovery Action Log".

An accurate recording of actions must be maintained as they may be vitally important to later review of emergency response/recovery activities.

Reactor Analyst Coordinator

3.1.6 A. When assuming the Reactor Analyst Coordinator's position, request a briefing on the emergency and emergency actions status from the previous position holder. Note completion of this step in the Reactor Analyst Coordinator's Log and ensure your name is placed in the appropriate box on the organization chart.

B. When relinquishing the Reactor Analyst Coordinator's position, brief your successor on the emergency and emergency actions status. Note completion of this step in the Reactor Analyst Coordinator's Log.

3.1.7 Ensure proper use of communications equipment per EPP-17.

3.1.8 Ensure exposure control is in accordance with EPP-15.

3.2 Upon arrival in the TSC, put your name in the appropriate box on the organization chart and log in on Accountability Log. 1

3.3 If one of the first people to arrive in the TSC, assist in activating the TSC per EPP-13, Figure 6, TSC General Rules of Conduct.

3.4 Receive briefing from the Technical Data Coordinator or Emergency Director on plant status and corrective actions in progress.

3.5 At the direction of the Emergency Director or the Technical Data Coordinator, and in consultation with the Rx Analyst Unit Supervisor in the Control Room, analyze problems, determine alternate solutions, and design and coordinate the installation of short term modifications.

3.6 Call upon additional Rx Analyst Department personnel through the OSC Coordinator as necessary to provide assistance.

3.7 Observe the General Rules of Conduct for the TSC, EPP-13, Figure 6.

EAP-3, Enclosure 6
Communications Coordinator

1.0 GENERAL INFORMATION

Position: Communications Coordinator

Designee: Supervisor Quality Assurance Operations Nuclear

Alternate: A Quality Assurance Operations Department Supervisor

Reports To: Technical Data Coordinator

Reporting Location: Technical Support Center

2.0 RESPONSIBILITIES

The Communications Coordinator is responsible to the Technical Data Coordinator for:

2.1 Completing emergency notifications and updates as required per EPP-20.

2.2 Maintaining on a 24 hour per day basis TSC communications with the Control Room, Operations Support Center, Emergency Operations Facility, Corporate Headquarters and outside agencies.

2.3 Providing data and/or information received to appropriate TSC personnel for actions and/or posting.

3.0 ACTIONS AND LIMITATIONS

3.1 General Activities

3.1.1 Report your position and readiness to the Site Emergency Director.

3.1.2 Announce your name and assumed position title to other Technical Support Center Staff members, to the Technical Data Coordinator and to the Station Shift Supervisor.

3.1.3 Ensure that all personnel actively assigned to you are accounted for at all times.

3.1.4 Determine need for additional equipment, supplies, and manpower, and make request for same.

3.1.5 Maintain a running log of your activities and ensure documentation of the following in the Communications Coordinator's Log:
- Communications
- Key decisions
- Data collected
- Checklists

Use EPP-13, Figure 8 "Emergency Response/Recovery Action Log".

Communications Coordinator

3.1.5 Continued

An accurate recording of actions must be maintained as they may be vitally important to later review of emergency response/recovery activities.
Ensure Communications Staff uses EAP-3, Enclosure 6, Figure 1 to maintain a running log of all communication's activities.

3.1.6 A. When assuming the Communications Coordinator's position, request a briefing on the emergency and emergency actions status from the previous position holder. Note completion of this step in the Communications Coordinator's Log and ensure your name is placed in the appropriate box on the organization chart.

B. When relinquishing the Communications Coordinator's position, brief your successor on the emergency and emergency actions status. Note completion of this step in the Communications Coordinator's Log.

3.1.7 Ensure proper use of communications equipment per EPP-17.

3.1.8 Ensure exposure control is in accordance with EPP-15.

3.2 Upon arrival in the TSC, put your name in the appropriate box on the organization chart and log in on Accountability Log. | 1

3.3 If necessary, assist in activating the TSC per EPP-13, Figure 6, TSC General Rules of Conduct.

3.4 Prepare to make emergency notifications per EPP-20, "Emergency Notification Procedure", utilizing the Communications Coordinator's Emergency Notifications Checklist - Figure 2 of that procedure. Request assistance from Technical Data Coordinator in obtaining data and approval for information required in Part I, II & III of NYS Notification Forms. | 1

3.5 Call OSC and request additional communications staff members (utilizing approved personnel lists of EPP-11) to ensure the following communication lines are manned for initiating and receiving telephone and radio messages:

*1 NRC ENS Telephone - TSC to NRC
2 NRC Health Physics Telephone - Radiologic Network System to NRC
*3 TSC - CR Dedicated Line
*4 TSC - EOF Dedicated Line
5 TSC - NYS Radiological Emergency Communications System (RECS)
6 TSC - Corporate EOC dedicated line

*Provisions shall be made to ensure these lines remain open after initial notification, if possible.

Communications Coordinator

3.5 Continued

7 N.Y. Telephone Private Lines
8 Site PBX System Telephone
9 Gaitronics (Hear-Here)
10 Site VHF and UHF Radio Systems

3.6 Receive briefing from Emergency Director.

3.7 Commence emergency contacts per EPP-20, "Emergency Notifications".

3.8 Record all relevant messages received and/or transmitted on triplicate forms provided in the TSC emergency operations kit and logged in on Figure 1. The disbursement of these forms shall be as follows:

1st copy - For Action to Emergency Director or Appropriate TSC Staff member

2nd copy - For Status Logging through the Technical Data Coordinator

3rd copy - To be retained by message taker

3.9 Have one individual continuously man the TSC-Control Room dedicated line. Have this individual obtain as much information as possible from the Control Room, particularly information requested by members of the TSC staff. Once TSC fully operational have this individual continue to pass all relevant emergency status reports and data to the Control Room.

3.10 Have one individual continuously man the TSC-EOF dedicated line (after personnel arrive in EOF and are ready to receive continuous information). Have this individual pass all relevant information continuously to the EOF.

3.11 Periodically assess the flow of information into, within, and out of the TSC and make recommendations for and/or institute any modifications to the communications flow path.

3.12 Periodically obtain updated information, through the Emergency Director, to be provided to emergency contacts and other elements of the emergency response organization (i.e., ensure that all interested parties are kept updated as to plant status, corrective actions, etc.).

3.13 Observe the general rules of conduct for the TSC (EPP-13, Figure 6).

Figure 1

Date: _____

Communicator: _____
(Name)

Method of Communications:

_A_ Gaitronics
_B_ Radio
_C_ Telephone # _____
_D_ Hotline _____
Specify

(List and alphabetize other methods as necessary.)

COMMUNICATIONS LOG

Message #	Method Used	Time	In	Out	From	To	Description of Message

EAP-3, Enclosure 7

Maintenance Coordinator

1.0 GENERAL INFORMATION

Position: Maintenance Coordinator

Designee: Maintenance Superintendent Nuclear

Alternate: A Maintenance Department Supervisor

Reports To: Emergency Director

Reporting Location: Technical Support Center

2.0 RESPONSIBILITIES

The Maintenance Coordinator is responsible to the Emergency Director for the management of efforts to:

2.1 Repair equipment during an emergency;

2.2 Maintain equipment during an emergency;

2.3 Install emergency structures, systems and components;

2.4 Perform mitigation and clean-up activities during an emergency.

These responsibilities include providing technical and administrative direction to Damage Control Teams through the OSC Damage Control Team Coordinator and/or the Operations Support Center Coordinator. In addition the Maintenance Coordinator will assist the Emergency Director in providing administrative direction to the OSC through the OSC Coordinator.

3.0 ACTIONS AND LIMITATIONS

3.1 General Activities

3.1.1 Report your position and readiness to the Site Emergency Director.

3.1.2 Announce your name and assumed position title to other Technical Support Center Staff members that report to you and to the Station Shift Supervisor.

3.1.3 Ensure that all personnel actively assigned to you are accounted for at all times.

3.1.4 Determine need for additional equipment, supplies, and manpower, and make request for same.

3.1.5 Maintain a running log of your activities and ensure documentation of the following in the Maintenance Coordinator's Log:
- Communications
- Key decisions
- Data collected
- Checklists

Use EPP-13, Figure 8 "Emergency Response/Recovery Action Log".

An accurate recording of actions must be maintained as they may be vitally important to later review of emergency response/recovery activities.

3.1.6 A. When assuming the Maintenance Coordinator's position, request a briefing on the emergency and emergency actions status from the previous position holder. Note completion of this step in the Maintenance Coordinator's Log and ensure your name is placed in the appropriate box on the organization chart.

B. When relinquishing the Maintenance Coordinator's position, brief your successor on the emergency and emergency actions status. Note completion of this step in the Maintenance Coordinator's Log.

3.1.7 Ensure proper use of communications equipment per EPP-17.

3.1.8 Ensure exposure control is in accordance with EPP-15.

3.2 Upon arrival in the Technical Support Center put your name in the appropriate box on the organization chart and log in on Accountability Log.

3.3 If one of the first people to arrive in the TSC, assist in activating the TSC per EPP-13, Figure 6, "TSC General Rules of Conduct".

3.4 Upon activation of the Operations Support Center ensure that a Maintenance Department Supervisor has staffed the following positions:
- OSC Coordinator _____
- OSC Communicator _____
- Personnel Accountability Coordinator _____
- Damage Control Team Coordinator _____

3.5 Establish communications with the OSC Coordinator and keep Emergency Director informed relative to OSC activities such as:

a) Activation Status
b) Accountability Status
c) Manpower Status
d) Habitability Status of OSC Areas (ie 261 and 277 Lunchroom Area, Lockerroom etc.)

1

Maintenance Coordinator

3.6 Confer with the Emergency Director and other members of the TSC to evaluate station status and to determine the need for damage inspection and repair activities per EPP-22. In addition assist in the installation of special instructions, systems, and components as required or in the coordination of contamination control activities as the need arises.

3.7 If a "Site Evacuation" is ordered coordinate with the Radiological Assessment Coordinator the use of maintenance personnel in the decontamination of evacuating vehicles from NMP Unit 1, NMP Unit 2, and the Energy Information Center. 1

3.8 As information is received from Damage Control Teams, keep Emergency Director and Technical Data Coordinator appraised for posting on TSC status boards.

EAP-3, Enclosure 8

Radiological Assessment Coordinator

1.0 GENERAL INFORMATION

Position:	Radiological Assessment Coordinator
Designee:	Superintendent Chemistry & Radiation Management
Alternate:	A Chemistry and Radiation Management Department Supervisor
Reports To:	Emergency Director
Reporting Location:	Technical Support Center (initially) Emergency Operations Facility (once fully operational)

2.0 RESPONSIBILITIES

The Radiological Assessment Coordinator is responsible to the Emergency Director for:

2.1 Managing the radiological monitoring and assessment aspects of the station during an emergency;

2.2 Managing activities to control radiation exposure;

2.3 Providing technical and administrative direction to the Station and Environment Survey/Sample Team Coordinators and staff;

2.4 Managing the onsite and offsite dose assessment aspects of an emergency to determine radiological consequences and hazards to station personnel and the general public.

3.0 ACTIONS AND LIMITATIONS

3.1 General Activities

3.1.1 Report your position and readiness to the Site Emergency Director.

3.1.2 Announce your name and assumed position title to other Technical Support Center Staff members and to the Station Shift Supervisor.

3.1.3 Ensure that all personnel actively assigned to you are accounted for at all times.

3.1.4 Determine need for additional equipment, supplies, and manpower, and make request for same.

3.1.5 Maintain a running log of your activities and ensure documentation of the following in the Radiological Assessment Coordinator's Log:

- Communications
- Key decisions
- Data collected
- Checklists

Use EPP-13, Figure 8 "Emergency Response/Recovery Action Log".

An accurate recording of actions must be maintained as they may be vitally important to later review of emergency response/recovery activities.

3.1.6 A. When assuming the Radiological Assessment Coordinator's position, request a briefing on the emergency and emergency actions status from the previous position holder. Note completion of this step in the Radiological Assessment Coordinator's Log and ensure your name is placed in the appropriate box on the organization chart.

B. When relinquishing the Radiological Assessment Coordinator's position, brief your successor on the emergency and emergency actions status. Note completion of this step in the Radiological Assessment Coordinator's Log.

3.1.7 Ensure proper use of communications equipment per EPP-17.

3.1.8 Ensure exposure control is in accordance with EPP-15.

3.2 Upon arrival in the TSC, put your name in the appropriate box on the organization chart and log in on Accountability Log. 1

3.3 If necessary, assist in activating the TSC per EPP-13, Figure 6, TSC General Rules of Conduct.

3.4 Receive briefing from Emergency Director on plant status, corrective actions in progress, identified or anticipated survey/sample needs, and dose assessment requirements.

3.5 Verify personnel are present to fill the following positions:

a. TSC
   - Environmental Survey/Sample Team Coordinator - _____
   - Station Survey/Sample Team Coordinator - _____

b. OSC
   - Chemistry and Radiation Protection Team Coordinator - _____

c. Control Room
   - Assistant Supervisor Chemistry & Radiation Protection - _____

Radiological Assessment Coordinator

3.5 Continued

If designee or alternate is not present, request approved alternate(s) from the OSC Coordinator per EPP-11, approved personnel lists.

3.6 Request additional personnel from the OSC (preferably Chemistry and Radiation Management Department personnel) to assist you in performing the following activities:

Radiological Control Activities
Dose Projections
Source Term Assessment
Communications (radio and dedicated lines)

3.7 Brief coordinators on plant status, corrective action in progress, and identified or anticipated survey/sample needs. Discuss survey/sample strategy and develop plans.

3.8 Before dispatch of any emergency teams (e.g., survey, repair and damage control, search and rescue) assure the appropriate coordinator is aware of any actual or potential hazards; that appropriate dose and dose rate monitoring devices and protective clothing and equipment will be utilized; that the teams receive adequate briefing, and that measures are implemented to adequately monitor and control personnel exposures. (Refer to EPP-15, "Health Physics Procedure".)

3.9 Radiological Control Activities

3.9.1 Aid in determining the need for protective actions (shelter or evacuation) for site personnel per data supplied by Survey/Sample Team Coordinators. If evacuation is recommended, determine best possible route consistent with County Evacuation Plan (see EPP-19 and 26).

3.9.2 Assign priorities to the tasks at hand to ensure that the personnel resources available are used in the best way to cope with the emergency. Figure 1 provides a general outline of task priorities developed to address a radiological emergency. This outline can be used as a first cut at prioritizing the tasks required to respond to an actual emergency.

Radiological Assessment Coordinator

3.10 Dose Projections

3.10.1 Initial Dose Projections

1. Calculate (or have calculated) initial dose projections using EPP-8 for areas where the plume centerline intersects at the site boundary and at 2, 5, & 10 mile radius from the station.
2. Evaluate results and discuss the need for Protective Action recommendation with the Emergency Director per EPP-26. 1
3. Determine how often the calculation should be repeated (once per hour or upon any significant change in release rate is recommended).

3.10.2 Follow Up Dose Projections

1. Calculate (or have calculated) follow up dose projections as data becomes available using EPP-8.
2. Evaluate results and discuss the need for recommending or updating protective action recommendations with the Emergency Director. Ensure all onsite and offsite estimates are posted by the Technical Data Coordinator.

3.11 Source Term Assessment

NOTE: The frequency of the determination of source term is dependent on (1) needs for calculating dose projections and (2) changing plant conditions.

3.11.1 Implement appropriate sections of EPP-8 and determine release rates from vent/stack monitors if available.

3.11.2 If estimates of reactor water activity, containment atmosphere activity, or fuel damage are required, implement appropriate section of EPP-8 to determine source term.

3.12 Environmental Monitoring Activities

3.12.1 Assist Environment Survey/Sample Team Coordinator in selecting proper monitoring locations and assessing radiological conditions expected in the field.

3.12.2 Advise appropriate State and County officials of the initial monitoring efforts underway.

3.12.3 Make results of monitoring efforts and analysis of samples available to State and County officials via EPP-20.

Radiological Assessment Coordinator

3.12.4 When necessary, arrange for collection and analysis of expanded environmental monitoring program by contractor personnel per EPP-16.

3.13 Plume Tracking Activities

3.13.1 Upon the release of radioactive material from the plant as a result of an emergency condition, arrange for the Environmental Survey/Sample Team Coordinator to monitor the location and radiation levels of the plume per EPP-7.

3.13.2 Direct the Environmental Survey/Sample Team Coordinator to prepare the Downwind Survey Teams for plume measurements.

3.13.3 Direct Environmental Survey/Sample Team Coordinator to maintain communications with the Downwind Survey Teams and compare reported readings with those projected.

3.13.4 Verify any uncertainties related to wind direction (i.e., lake breeze) by reviewing meteorological data directly or through the Assistant Chemistry and Radiation Protection Supervisor in the Control Room.

3.13.5 If deemed necessary and if not already performed per EPP-20, request assistance from the Department of Energy for special plume surveys.

3.13.6 If assessments of the plume trajectory are uncertain, contact (directly, through the Meteorological Advisor or Communications Coordinator) the National Weather Service to get updated weather forecast and wind trajectories.
(1) WSO Syracuse *
(2) WSFO Buffalo *

3.14 Plant Monitoring Activities

3.14.1 Assist Station Survey/Sample Team Coordinator in selecting proper monitoring and sample collection points, data required, and the assessment of radiological conditions at those points.

3.14.2 Assist Station Survey/Sample Team Coordinator in determining proper protective gear and dosimetry for survey teams. Additionally, discuss any precautions that should be included in the Inplant Monitoring Team's briefing.

3.15 Maintain interface with Survey/Sample Team Coordinator in the following matters:
a. Required survey/sample activities
b. Disposition of results (including disposition of various samples)
c. Requests for outside assistance (JAFNPP, Ginna, INPO, FRMAP, etc.) and interfaces with these groups.

Radiological Assessment Coordinator

3.16 Periodically review posted data to verify completeness and accuracy and discuss radiological conditions and activities with the Emergency Director. Verify that appropriate data and recommendations have been transmitted to offsite authorities and are being implemented onsite.

3.17 Implement use of RWP's for onsite activities through the Station Survey/Sample Team Coordinator and additional staff in TSC (i.e. repair and damage control, assessment activities, operations, etc.).

3.18 Observe the general rules of conduct for the TSC (EPP-13, Figure 6).

3.19 During a Site Area or General Emergency, interface with the Meteorological Advisor upon his arrival. During an Alert or below, assess need for Meteorological Advisor and, if necessary, request he be dispatched to TSC.

3.20 When directed, transfer radiological assessment operations to the nearsite EOF and coordinate activities with local, state, and federal agencies. Staff to be provided in the EOF shall include, as a minimum:

- Environmental Survey/Sample Team Coordinator
- Meteorological Advisor
- Radio Operator (Radiation Protection Technician or Supervisor)
- Surveyor (Radiation Protection Technician)
- Additional personnel as needed to carry out dose assessment functions and interface with offsite authorities

FIGURE 1

RADIOLOGICAL ASSESSMENT COORDINATOR ACTIVITY PRIORITIES (1)

Priority	Task	Procedure to Implement	
1	Search and Rescue and First Aid: Life-Saving Only	EPP-3, 4, 15	
2	Initial Dose Projections and Comparison with EPA Protective Action Guides	EPP-8, 26	1
3	In-Plant Surveys to Calculate Initial Source Term	EPP-6	
4	Provide Personnel to Accompany Initial Damage Control Team	EPP-6, 22	
5	Dose Confirmation (Off-Site Monitoring)	EPP-7	
6	Provide Personnel to Monitor at Accountability Area for Radiation/ Contaminated Areas	EPP-5	
7	Emergency First Aid and Decontamination: not Life-Saving	EPP-4, 15	
8	Provide Personnel to Accompany Follow-Up Reentry Teams	EPP-22	
9	Personnel Exposure Control (Routine Dosimetry Assurance and Completion of Special Radiation Work Permits)	EPP-15, 22	
10	Follow-Up Environmental Monitoring	EPP-16	
11	Liaison with Off-Site Agencies	EPP-20	
12	Follow-Up Dose Projections and Protective Action Modifications	EPP-8, 26	1
13	Follow-Up In-Plant/On-Site Monitoring and Sample Collection	EPP-6, 7	
14	Sample Analysis	EPP-15	
15	Minor First Aid and Decontamination	EPP-4, 15	

(1) This list of activity priorities is sequenced in a "likely order" for a fast breaking radiological emergency when personnel resources may be limited. Personnel assignments should be made as needed by the specific plant and personnel requirements.

EAP-3, Enclosure 9

Environmental Survey/Sample Team Coordinator

1.0 GENERAL INFORMATION

Position:	Environmental Survey/Sample Team Coordinator
Designee:	Environmental Protection Coordinator
Alternate:	A Chemistry and Radiation Management Department Supervisor
Reports To:	Radiological Assessment Coordinator
Reporting Location:	Technical Support Center (initially) Emergency Operations Facility (when fully operational)

2.0 RESPONSIBILITIES

The Environmental Survey/Sample Team Coordinator is responsible to the Radiological Assessment Coordinator for:

2.1 Providing technical and administrative direction to environmental monitoring teams (onsite and offsite) during a declared emergency.

2.2 Assist in the evaluation of onsite and offsite dose assessment aspects of an emergency to determine potential or actual radiological to site personnel and the general public.

3.0 ACTIONS AND LIMITATIONS

3.1 General Activities

3.1.1 Report your position and readiness to the Site Emergency Director.

3.1.2 Announce your name and assumed position title to other Technical Support Center Staff members and to the Radiological Assessment Coordinator.

3.1.3 Ensure that all personnel actively assigned to you are accounted for at all times.

3.1.4 Determine need for additional equipment, supplies, and manpower, and make request for same.

3.1.5 Maintain a running log of your activities and ensure documentation of the following in the Environmental Survey/Sample Team Coordinator's Log:

- Communications
- Key decisions
- Data collected
- Checklists

Use EPP-13, Figure 8 "Emergency Response/Recovery Action Log".

An accurate recording of actions must be maintained as they may be vitally important to later review of emergency response/recovery activities.

3.1.6 A. When assuming the Environmental Survey/Sample Team Coordinator's position, request a briefing on the emergency and emergency actions status from the previous position holder. Note completion of this step in the Environmental Survey/Sample Team Coordinator's Log and ensure your name is placed in the appropriate box on the organization chart.

B. When relinquishing the Environmental Survey/Sample Team Coordinator's position, brief your successor on the emergency and emergency actions status. Note completion of this step in the Environmental Survey/Sample Team Coordinator's Log.

3.1.7 Ensure proper use of communications equipment per EPP-17.

3.1.8 Ensure exposure control is in accordance with EPP-15.

3.2 Upon arrival in the TSC, put your name in the appropriate box on the organization chart and log in on Accountability Log. 1

3.3 If one of the first people to arrive in the TSC, assist in activating the TSC per EPP-13, Figure 6, TSC General Rules of Conduct.

3.4 Receive briefing from Radiological Assessment Coordinator or Emergency Director on plant status and corrective actions in progress.

3.5 Interface with Radiological Assessment Coordinator to discuss sampling/survey strategy.

3.6 Assign personnel to perform environmental monitoring as directed by Radiological Assessment Coordinator per guidance provided in EPP-7. Priorities for assignment will depend on plant conditions; the following order of tasks is provided as a guide:

(1) Dose Confirmation - EPP-7
(2) Offsite Monitoring - EPP-7, 16
(3) Monitoring of Evacuating Vehicles and Personnel - EPP-19
(4) Other missions as required

Environmental Survey/Sample Team Coordinator

3.7 Establish communication with environmental (Downwind) survey teams. Assess their availability and location.

NOTE: Communications with survey teams will be initially through TSC-OSC dedicated line (via supervisor or chief technician) until teams are dispatched. Communications thereafter to be preferentially via UHF radio directly to teams.

3.8 Transmit directions to environmental (Downwind) survey teams for areas selected. Provide appropriate precautions on expected or potential hazards, protective clothing requirements, and exposure control (per EPP-15, "Health Physics Procedure").

3.9 Transmit data received to Radiological Assessment Coordinator for dose projections. Ensure all data received is logged and plotted on TSC status boards by the Technical Data Coordinator's Staff.

3.10 In consultation with Radiological Assessment Coordinator and Emergency Director initiate further sample directions to survey teams.

3.11 Observe the general rules of conduct for the TSC (EPP-13, Figure 6).

3.12 When directed, transfer operations to the nearsite EOF and coordinate activities with local, state and federal agencies.

EAP-3, Enclosure 10

Station Survey/Sample Team Coordinator

1.0 GENERAL INFORMATION

Position:	Station Survey/Sample Team Coordinator
Designee:	Supervisor Chemistry and Radiation Protection
Alternate:	A Chemistry and Radiation Management Department Supervisor
Reports To:	Radiological Assessment Coordinator
Reporting Location:	Technical Support Center

2.0 RESPONSIBILITIES

The Station Survey/Sample Team Coordinator is responsible to the Radiological Assessment Coordinator for:

2.1 Providing technical and administrative direction to inplant monitoring teams during a declared emergency.

2.2 Assist in the evaluation of inplant dose assessment aspects of an emergency to determine potential or actual radiological hazards to site personnel.

3.0 ACTIONS AND LIMITATIONS

3.1 General Activities

3.1.1 Report your position and readiness to the Site Emergency Director.

3.1.2 Announce your name and assumed position title to other Technical Support Center Staff members and to the Radiological Assessment Coordinator.

3.1.3 Ensure that all personnel actively assigned to you are accounted for at all times.

3.1.4 Determine need for additional equipment, supplies, and manpower, and make request for same.

Station Survey/Sample Team Coordinator

3.1.5 Maintain a running log of your activities and ensure documentation of the following in the Station Survey/Sample Team Coordinator's Log:

- Communications
- Key decisions
- Data collected
- Checklists

Use EPP-13, Figure 8 "Emergency Response/Recovery Action Log".

An accurate recording of actions must be maintained as they may be vitally important to later review of emergency response/recovery activities.

3.1.6 A. When assuming the Station Survey/Sample Team Coordinator's position, request a briefing on the emergency and emergency actions status from the previous position holder. Note completion of this step in the Station Survey/Sample Team Coordinator's Log and ensure your name is placed in the appropriate box on the organization chart.

B. When relinquishing the Station Survey/Sample Team Coordinator's position, brief your successor on the emergency and emergency actions status. Note completion of this step in the Station Survey/Sample Team Coordinator's Log.

3.1.7 Ensure proper use of communications equipment per EPP-17.

3.1.8 Ensure exposure control is in accordance with EPP-15.

3.2 Upon arrival in the TSC, put your name in the appropriate box on the organization chart and log in or Accountability Log. 1

3.3 If one of the first people to arrive in the TSC, assist in activating the TSC per EPP-13, Figure 6 "TSC General Rules of Conduct".

3.4 Receive briefing from Radiological Assessment Coordinator or Emergency Director on plant status and corrective actions in progress.

3.5 Assess plant status and communicate these conditions to the Assistant Supervisor Chemistry and Radiation Protection in the Control Room and the Chemistry and Radiation Protection Team Coordinator in the OSC.

Station Survey/Sample Team Coordinator

3.6 Establish communications with the Chemistry and Radiation Protection Team Coordinator in OSC and assign personnel to perform inplant monitoring as directed by the Radiological Assessment Coordinator. Priorities for assignment will depend on plant conditions; the following order of tasks is provided as a guide:

(1) Support of Source Term calculations needed for initial dose projection when radiation monitors are inoperable (EPP-6)
(2) Inplant surveys to calculate initial source/dose (EPP-6)
(3) Accompany initial Damage Control Teams (EPP-6, 22)
(4) Accompany subsequent Damage Control Teams (EPP-6, 22)
(5) Inplant Sample Collection (EPP-6, 15)
(6) Sample Analysis (EPP-15)
(7) Other missions as required

3.7 Establish communications with the inplant survey team(s) and assess their availability and location.

NOTE: Communications with survey teams will be initially through TSC-OSC dedicated line (via supervisor or chief technician) until teams are dispatched. Communications thereafter to be via UHF radio directly to teams.

3.8 If not already done, perform or evaluate a radiological survey of the TSC. If the B-γ dose rate is greater than 100 mr/hr or air concentrations are greater than ten x MPC (9×10^{-8} uCi/ml for I^{131}) advise Emergency Director to evacuate center or activate TSC Emergency Ventilation. In addition, establish a step-off pad at entrance to Technical Library for monitoring personnel entering TSC. 1

3.9 Transmit directions to inplant survey teams for areas selected. Provide appropriate precautions on expected or potential hazards, protective clothing requirements, and exposure control (per EPP-6 and EPP-15).

3.10 Keep Radiological Assessment Coordinator appraised of all data received. Ensure data is logged and plotted on TSC status boards.

3.11 Interface with the Maintenance Coordinator (in TSC), NMP Fire Department Coordinator (in OSC or at scene of fire, injury, etc.) and any other coordinator dispatching emergency team(s) to assure appropriate radiation protection precautions and exposure control methods are provided.

NOTE: A radiation protection technician should be dispatched with any emergency team to provide radiation protection coverage. Arrange for this through the Chemistry and Radiation Protection Team Coordinator in the OSC.

Station Survey/Sample Team Coordinator

3.12 In the event of a station evacuation, dispatch a survey team to monitor contractors assembling at their work locations headquarters, (i.e. North and South trailer areas; see EPP-5, Station Evacuation).

3.13 In consultation with Radiological Assessment Coordinator initiate further directions to survey teams.

3.14 Implement the use of RWPs, time permitting, for activities of an emergency nature and as initial emergency activities subside for all activities.

3.15 Observe the general rules of conduct for the TSC (EPP-13, Figure 6).

EAP-3, Enclosure 11

Meteorological Advisor

1.0 GENERAL INFORMATION

Position: Meteorological Advisor

Designee: Environmental Affairs Dept. Staff Meteorologist

Alternate: An Environmental Affairs Department Member

Reports To: Radiological Assessment Coordinator

Reporting Location: Emergency Operations Facility 1

2.0 RESPONSIBILITIES

The Meteorological Advisor is responsible to the Radiological Assessment Coordinator for:

2.1 Providing technical and administrative assistance to the Environmental Survey/Sample Team Coordinator in directing environmental monitoring teams.

2.2 Providing technical and administrative assistance relative to the verification of offsite meteorological conditions as they relate to offsite dose projections and protective action recommendations.

3.0 ACTIONS AND LIMITATIONS

3.1 General Activities

3.1.1 Report your position and readiness to the Site Emergency Director.

3.1.2 Announce your name and assumed position title to other Technical Support Center Staff members and to the Radiological Assessment Coordinator.

3.1.3 Ensure that all personnel actively assigned to you are accounted for at all times.

3.1.4 Determine need for additional equipment, supplies, and manpower, and make request for same.

Meteorological Advisor

3.1.5 Maintain a running log of your activities and ensure documentation of the following in the Meteorological Advisor's Log:
- Communications
- Key decisions
- Data collected
- Checklists

Use EPP-13, Figure 8 "Emergency Response/Recovery Action Log".

An accurate recording of actions must be maintained as they may be vitally important to later review of emergency response/recovery activities.

3.1.6 A. When assuming the Meteorological Advisor's position, request a briefing on the emergency and emergency actions status from the previous position holder. Note completion of this step in the Meteorological Advisor's Log and ensure your name is placed in the appropriate box on the organization chart.

B. When relinquishing the Meteorological Advisor's position, brief your successor on the emergency and emergency actions status. Note completion of this step in the Meteorological Advisor's Log.

3.1.7 Ensure proper use of communications equipment per EPP-17.

3.1.8 Ensure exposure control is in accordance with EPP-15.

3.2 Upon notification of an emergency condition, or potential for an emergency at NMPNS, contact the NWS Syracuse office and determine current weather conditions and forecast weather conditions for 1 to 3 hours, particularly for the possibility of windshifts or precipitation. 1

3.3 Contact the TSC and brief the Radiological Assessment Coordinator on current weather and the possibility of changes in the near future.

3.4 Upon arrival at the TSC establish contact with NWS Syracuse Office and determine if weather changes are possible, and have the NWS office call if any changes do occur.

3.5 Establish contact with Weather Services International (this may be done initially or by someone on the site). Get listing of current weather for possible use in the model in performing dose projections.

3.6 Determine if initial model estimates are realistice.

3.7 Move to the EOF and upon arrival, determine if wind field generated by model is realistic. If forecast calls for wind shift, estimate impact on model predictions.

Meteorological Advisor

3.8 Determine if model predictions and field measurements are consistent with the terms of the model, that is to say, is the largest error in the source term or the meteorological data. If wind field is unstable, help the Radiological Assessment Coordinator and/or the Environmental Survey/Sample Team Coordinator determine the location for placement of field monitoring teams.

3.9 Act as the NMPC liaison with the NRC, State and County relative to questions about meteorology.

3.10 Input meteorological data from NWS stations manually to expand the resolution of the wind field in the dose assessment model.

3.11 Input forecast meteorological data to estimate dose projections for the future.

3.12 Maintain contact with NWS Syracuse Office. Update hourly meteorological data received from Weather Services International.

3.13 Contact weather service at:

- WSO Syracuse *
- WSFO Buffalo *

3.14 Keep the Radiological Assessment Coordinator and Emergency Director informed of meteorological conditions and projected changes.

3.15 Assist the Radiological Assessment Coordinator as he directs in performing does assessment activities.

1

*Proprietory information. For controlled copies only.

EAP-3, Enclosure 12

Security Coordinator

1.0 GENERAL INFORMATION

Position: Security Coordinator

Designee: Supervisor Nuclear Security

Alternate: A Security Department Supervisor

Reports To: Emergency Director

Reporting Location: Technical Support Center

2.0 RESPONSIBILITIES

The Security Coordinator will be responsible to the Emergency Director for:

(1) Maintaining plant security and instituting appropriate measures per the Site Security Plan.
(2) Assisting the Personnel Accountability Coordinator in accounting for site personnel.
(3) Provide access and traffic control check points at emergency facilities.
(4) Coordinating security emergency activities.

3.0 ACTIONS AND LIMITATIONS

3.1 General Activities

3.1.1 Report your position and readiness to the Site Emergency Director.

3.1.2 Announce your name and assumed position title to other Technical Support Center Staff members.

3.1.3 Ensure that all personnel actively assigned to you are accounted for at all times.

3.1.4 Determine need for additional equipment, supplies, and manpower, and make request for same.

Security Coordinator

3.1.5 Maintain a running log of your activities and ensure documentation of the following in the Security Coordinator's Log:

- Communications
- Key decisions
- Data collected
- Checklists

Use EPP-13, Figure 8 "Emergency Response/Recovery Action Log".

An accurate recording of actions must be maintained as they may be vitally important to later review of emergency response/recovery activities.

3.1.6 A. When assuming the Security Coordinator's position, request a briefing on the emergency and emergency actions status from the previous position holder. Note completion of this step in the Security Coordinator's Log and ensure your name is placed in the appropriate box on the organization chart.

B. When relinquishing the Security Coordinator's position, brief your successor on the emergency and emergency actions status. Note completion of this step in the Security Coordinator's Log.

3.1.7 Ensure proper use of communications equipment per EPP-17.

3.1.8 Ensure exposure control is in accordance with EPP-15.

3.2 Upon arrival in the TSC, put your name in the appropriate box on the organization chart and log in on Accountability Log. 1

3.3 If one of the first people to arrive in the TSC, assist in activating the TSC per EPP-13, Figure 6, "TSC General Rules of Conduct".

3.4 Receive briefing by Emergency Director or his designee on emergency status and any security needs.

3.5 Contact the Site Security Supervisor or alternate stationed in the Security Building to determine status of station security and implementation of applicable security and contingency procedures.

3.6 Check with Communication Coordinator to ensure that the County Sheriff's Office has been notified to establish road blocks at Lake Road (i.e., site entries) and that station security personnel are assigned to supplement these road blocks, as appropriate. If Sheriff has not been contacted, inform Communication Coordinator that you will perform notification.

Security Coordinator

3.7 Ensure assistance is provided to the Personnel Accountability Coordinator in accounting for station personnel in accordance with EPP-5, "Station Evacuation", EPP-19, "Site Evacuation", and security procedures, if appropriate.

3.8 Provide access and traffic control for offsite NMPC locations, such as the near-site Emergency Operations Facility and Remote Assembly Area, to the extent allowed by available manpower.

3.9 Upon his arrival at the EOF, maintain liaison with the Security Director. Coordinate security activities with the Emergency Director and the Security Director (in EOF if activated).

3.10 Observe the general rules of conduct for the TSC (EPP-13, Figure 6).

EAP-3, Enclosure 13

Public Information Coordinator

1.0 GENERAL INFORMATION

Position: Public Information Coordinator

Designee: Operations Supervisor NMP-2

Alternate: NMP-2 Assist Operations Supervisor
NMP-2 Station Shift Supervisor

Reports To: Emergency Director

Reporting Location: Technical Support Center

2.0 RESPONSIBILITIES

The Public Information Coordinator is responsible to the Emergency Director for:

2.1 Maintaining liaison with the Emergency Director of Public Information or a representative of the NMPC Public Affairs and Corporate Communication Department.

2.2 Providing technical advice to PACC to ensure information released to the public is both technically accurate and easily understandable.

3.0 ACTIONS AND LIMITATIONS

3.1 General Activities

3.1.1 Report your position and readiness to the Site Emergency Director.

3.1.2 Announce your name and assumed position title to other Technical Support Center Staff members.

3.1.3 Ensure that all personnel actively assigned to you are accounted for at all times.

3.1.4 Determine need for additional equipment, supplies, and manpower, and make request for same.

3.1.5 Maintain a running log of your activities and ensure documentation of the following in the Public Information Coordinator's Log:

- Communications
- Key decisions
- Data collected
- Checklists

Use EPP-13, Figure 8 "Emergency Response/Recovery Action Log".

An accurate recording of actions must be maintained as they may be vitally important to later review of emergency response/recovery activities.

Public Information Coordinator

3.1.6 A. When assuming the Public Information Coordinator's position, request a briefing on the emergency and emergency actions status from the previous position holder. Note completion of this step in the Public Information Coordinator's Log and ensure your name is placed in the appropriate box on the organization chart.

B. When relinquishing the Public Information Coordinator's position, brief your successor on the emergency and emergency actions status. Note completion of this step in the Public Information Coordinator's Log.

3.1.7 Ensure proper use of communications equipment per EPP-17.

3.1.8 Ensure exposure control is in accordance with EPP-15.

3.2 Upon arrival in the TSC, put your name in the appropriate box on the organization chart and log in on Accountability Log. 1

3.3 If one of the first people to arrive in the TSC, assist in activating the TSC per EPP-13, Figure 6, "TSC General Rules of Conduct".

3.4 Receive briefing from the Emergency Director or his designee on plant status and corrective actions in progress.

3.5 Establish and maintain communications with the EOF.

3.6 With the Emergency Director's concurrence, supply Emergency Director of Public Information or a PACC On-Call Representative.with the necessary technical information for release to the public. After hours and weekends use PACC On-Call List provided in TSC Emergency Operations Kit to contact PACC. 1

3.7 Observe the general rules of conduct for the TSC (EPP-13, Figure 6).

EAP-3, Enclosure 14

Engineering TSC Coordinator

1.0 GENERAL INFORMATION

Position: Engineering TSC Coordinator

Designee: Manager, Nuclear Technology

Alternate: On-Call Engineering TSC Staff Member

Reports To: Emergency Director

Reporting Location: Technical Support Center

2.0 RESPONSIBILITIES

The Engineering TSC Coordinator will be responsible to the Emergency Director for coordinating Syracuse Engineering support in the following areas:

- Operational Engineering
- Electrical Engineering
- Mechanical Engineering
- Nuclear Engineering
- Radiological Engineering

There duties will be to:

2.1 Analyze mechanical, electrical, instrumentation and control, and radiological problems; determine alternate solutions, design and assist in the coordination of the installation of short-term modifications.

2.2 Analyze thermohydraulic and thermodynamic problems and develop problem resolutions.

2.3 Assist in the development of Emergency Procedures, Operating Procedures, etc. as necessary for conducting emergency operations.

2.4 Analyze conditions and develop guidance for the Emergency Director and operations personnel on protection of the core.

2.5 Resolve questions concerning Operating License requirements with NRC representatives.

Engineering TSC Coordinator

3.0 ACTIONS AND LIMITATIONS

3.1 General Activities

3.1.1 Report your position and readiness to the Site Emergency Director.

3.1.2 Announce your name and assumed position title to other Technical Support Center Staff members.

3.1.3 Ensure that all personnel actively assigned to you are accounted for at all times.

3.1.4 Determine need for additional equipment, supplies, and manpower, and make request for same.

3.1.5 Maintain a running log of your activities and ensure documentation of the following in the Engineering TSC Coordinator's Log:

- Communications
- Key decisions
- Data collected
- Checklists

Use EPP-13, Figure 8 "Emergency Response/Recovery Action Log".

An accurate recording of actions must be maintained as they may be vitally important to later review of emergency response/recovery activities.

3.1.6 A. When assuming the Engineering TSC Coordinator's position, request a briefing on the emergency and emergency actions status from the previous position holder. Note completion of this step in the Engineering TSC Coordinator's Log and ensure your name is placed in the appropriate box on the organization chart.

B. When relinquishing the Engineering TSC Coordinator's position, brief your successor on the emergency and emergency actions status. Note completion of this step in the Engineering TSC Coordinator's Log.

3.1.7 Ensure proper use of communications equipment per EPP-17.

3.1.8 Ensure exposure control is in accordance with EPP-15.

3.2 Upon arrival in the TSC, put your name in the appropriate box on the organization chart and log in on Accountability Log. 1

Engineering TSC Coordinator

3.3 Receive (or request) a briefing from the Emergency Director on plant status, corrective actions in progress, and identified or anticipated problem areas.

3.4 Establish contact with Engineering Support Group in Syracuse and the Technical Liaison and Advisory Manager in EOF. Brief both on current situation and corrective actions in progress.

EAP-3, Enclosure 15

Operations Support Center Coordinator

1.0 GENERAL INFORMATION

Position: Operations Support Center Coordinator

Designee: A Maintenance Department Supervisor

Reports To: Emergency Director (but coordinates activities through the Maintenance Coordinator)

Reporting Location: Operations Support Center

2.0 RESPONSIBILITIES

The Operations Support Center Coordinator is responsible to the Emergency Director for:

2.1 Coordinating and supervising the overall emergency response operations of the OSC.

3.0 ACTIONS AND LIMITATIONS

3.1 General Activities

3.1.1 Report your position and readiness to the Site Emergency Director.

3.1.2 Announce your name and assumed position title to other Operations Support Center Staff members that report to you and to the Maintenance Coordinator.

3.1.3 Ensure that all personnel actively assigned to you are accounted for at all times.

3.1.4 Determine need for additional equipment, supplies, and manpower, and make request for same.

3.1.5 Maintain a running log of your activities and ensure documentation of the following in the Operations Support Center Coordinator's Log:

- Communications
- Key decisions
- Data collected
- Checklists

Use EPP-13, Figure 8 "Emergency Response/Recovery Action Log".

An accurate recording of actions must be maintained as they may be vitally important to later review of emergency response/recovery activities.

Operations Support Center Coordinator

3.1.6 A. When assuming the Operations Support Center Coordinator's position, request a briefing on the emergency and emergency actions status from the previous position holder. Note completion of this step in the Operations Support Center Coordinator's Log and ensure your name is placed in the appropriate box on the organization chart.

B. When relinquishing the Operations Support Center Coordinator's position, brief your successor on the emergency and emergency actions status. Note completion of this step in the Operations Support Center Coordinator's Log.

3.1.7 Ensure proper use of communications equipment per EPP-17.

3.1.8 Ensure exposure control is in accordance with EPP-15.

3.2 If not already accomplished ensure the following are completed:

a. Establish communications with TSC (normal hours) or CR (off hours) and request information on plant status and corrective actions in progress.

b. Ensure a general announcement is made prohibiting smoking, eating, and drinking until habitability surveys have been completed and found to be satisfactory. Request Radiation Protection to survey the OSC for radiation levels and airborne activity. Notify Emergency Director immediately of results.

c. Request Radiation Protection to set up step-off pad and monitor by employee entrance.

d. Unpack and organize the OSC Emergency Operations Kit. Place organization chart at front of Room and put your name in appropriate box.

e. Move tables and chairs to the front and side of room.

f. Place sign on door to Administration Building Lobby directing all personnel to enter via the employee entrance.

g. Establish a command post at the front of the room.

3.3 Verify individuals have assumed remaining OSC coordinating positions. If a position has not been filled, assign a qualified individual (refer to EPP-11 approved personnel lists for names of qualified personnel).

Operations Support Center Coordinator

3.4 Determine status of preparation of inplant and environmental survey teams and repair/damage control teams through the Chemistry and Radiation Protection and Reapir and Damage Control Team Coordinators. Assure TSC is informed of status.

NOTE: These individuals will be coordinating with counterparts in TSC (via dedicated lines) and should keep you appraised of their activities.

3.5 Maintain or assign an individual to maintain an Assignment/Corrective Action Log (EPP-13, Figure 9) of OSC events or actions in progress. In addition maintain a log of individual(s) entering and exiting OSC (EPP-13, Figure 10).

3.6 At the direction of the Emergency Director or his designee pass on direction to survey teams, damage control teams and NMP Fire Department Fire/Rescue/Medical Teams.

3.7 Keep Emergency Director informed of all available information concerning repairs, manpower, surveys, etc.

3.8 Assign supervisors or personnel available in OSC to assist in carrying out responsibilities. (Refer to EPP-11 approved personnel lists as necessary.)

3.9 Observe the general rules of conduct for the OSC (EPP-13, Figure 7).

3.10 Periodically discuss status, actions, etc. with OSC coordinating staff. Hold similar discussion with Emergency Director or designee. Provide appropriate announcements in OSC to keep all present posted on current situations, prognosis, etc.

EAP-3, Enclosure 16

Operations Support Center Communicator

1.0 GENERAL INFORMATION

Position: Operations Support Center Communicator

Designee: A Maintenance Department Supervisor

Reports To: Operations Support Center Coordinator

Reporting Location: Operations Support Center

2.0 RESPONSIBILITY

The OSC Communicator is responsible to the OSC Coordinator for:

2.1 Maintaining communications with the Control Room, Technical Support Center and Personnel Accountability areas.

2.2 Providing data and information received to appropriate OSC personnel for action.

3.0 ACTIONS AND LIMITATIONS

3.1 General Activities

3.1.1 Report your position and readiness to the OSC Coordinator.

3.1.2 Announce your name and assumed position title to other Operations Support Center Staff and to the Maintenance Coordinator.

3.1.3 Ensure that all personnel actively assigned to you are accounted for at all times.

3.1.4 Determine need for additional equipment, supplies, and manpower, and make request for same.

3.1.5 Maintain a running log of your activities and ensure documentation of the following in the OSC Communicator's Log:

- Communications

Use EAP-3, Enclosure 6, Figure 1 "Communications Log".

An accurate recording of actions must be maintained as they may be vitally important to later review of emergency response/recovery activities.

Operations Support Center Communicator

3.1.6 A. When assuming the OSC Communicator's position, request a briefing on the emergency and emergency actions status from the previous position holder. Note completion of this step in the OSC Communicator's Log and ensure your name is placed in the appropriate box on the organization chart.

B. When relinquishing the OSC Communicator's position, brief your successor on the emergency and emergency actions status. Note completion of this step in the OSC Communicator's Log.

3.1.7 Ensure proper use of communications equipment per EPP-17.

3.1.8 Ensure exposure control is in accordance with EPP-15.

3.2 Upon arrival in the OSC place your name in the appropriate box on the organization chart.

3.3 If not already accomplished, establish and maintain communications with the TSC (normal hours) or CR (off hours), as appropriate.

3.4 Install additional phones (from OSC Emergency Operations Kit) in appropriate jacks and test. Test backup radio. Place phones and radios on tables.

3.5 Request OSC Coordinator to assign supervisors or other personnel available in OSC to assist in carrying out responsibilities. (Refer to EPP-11 approved personnel lists as necessary.)

3.6 Record all relevant messages received and/or transmitted on triplicate forms provided in the OSC Emergency Operations Kit and logged on EAP-3, Enclosure 6, Figure 1. The disbursement of these forms shall be as follows:

1st copy - For action appropriate OSC Personnel.

2nd copy - For status logging by the OSC Coordinator or designee.

3rd copy - To be retained by OSC Communicator.

3.7 Observe the general rules of conduct for the OSC (EPP-13, Figure 7).

3.8 Frequently request Emergency Status updates from TSC and provide information to OSC Coordinator for disbursement to OSC staff.

EAP-3, Enclosure 17

Personnel Accountability Coordinator

1.0 GENERAL INFORMATION

Position: Personnel Accountability Coordinator

Designee: A Maintenance Department Supervisor

Alternate: A Maintenance Department Chief Mechanic or Electrician | 1

Reports To: Operations Support Center Coordinator

Reporting Location: Operations Support Center

2.0 RESPONSIBILITIES

The Personnel Accountability Coordinator is responsible to the Operations Support Center Coordinator for:

2.1 Accounting of all site personnel, visitors and contractors within approximately 30 minutes of the start of a Station Evacuation per EPP-5.

2.2 Accounting of all site personnel, visitors, and contractors during a Site Evacuation per EPP-19.

3.0 ACTIONS AND LIMITATIONS

3.1 General Activities

3.1.1 Report your position and readiness to the OSC Coordinator.

3.1.2 Announce your name and assumed position title to other Operations Support Center Staff members and to the Maintenance Coordinator.

3.1.3 Ensure that all personnel actively assigned to you are accounted for at all times.

3.1.4 Determine need for additional equipment, supplies, and manpower, and make request for same.

3.1.5 Maintain a running log of your activities and ensure documentation of the following in the Personnel Accountability Coordinator's Log:

- Communications
- Key decisions
- Data collected
- Checklists

Use EPP-13, Figure 8 "Emergency Response/Recovery Action Log".

An accurate recording of actions must be maintained as they may be vitally important to later review of emergency response/recovery activities.

Personnel Accountability Coordinator

3.1.6 A. When assuming the Personnel Accountability Coordinator's position, request a briefing on the emergency and emergency actions status from the previous position holder. Note completion of this step in the Personnel Accountability Coordinator's Log and ensure your name is placed in the appropriate box on the organization chart.

B. When relinquishing the Personnel Accountability Coordinator's position, brief your successor on the emergency and emergency actions status. Note completion of this step in the Personnel Accountability Coordinator's Log.

3.1.7 Ensure proper use of communications equipment per EPP-17.

3.1.8 Ensure exposure control is in accordance with EPP-15.

3.2 Upon arrival in the OSC place your name in the appropriate box on the organization chart.

3.3 If not already accomplished, establish communications with Personnel Accountability areas and carry out actions required per EPP-5 and EPP-19 as required.

3.4 Request OSC Coordinator to assign supervisors or other personnel available in OSC to assist in carrying out responsibilities (refer to EPP-11 approved personnel lists as necessary).

EAP-3, Enclosure 18

Chemistry and Radiation Protection Team Coordinator

1.0 GENERAL INFORMATION

Position: Chemistry and Radiation Protection Team Coordinator

Designee: Assistant Supervisor Chemistry and Radiation Protection

Alternate: A Chemistry and Radiation Protection Chief Technician

Reports To: Operations Support Center Coordinator (but also communicates and coordinates activities through a Survey/Sample Team Coordinator in TSC)

Reporting Location: Operations Support Center

2.0 RESPONSIBILITIES

The Chemistry and Radiation Protection Team Coordinator is responsible to the Operations Support Center Coordinator for:

2.1 Providing technical and administrative direction to survey teams as directed by the OSC Coordinator and/or Survey/Sample Team Coordinator.

2.2 Performing radiation and contamination surveys of the Operations Support Center for determining its habitability.

2.3 Keeping OSC personnel appraised of Emergency Radiological concerns and Chemistry and Radiation Protection emergency actions in progress.

3.0 ACTIONS AND LIMITATIONS

3.1 General Activities

3.1.1 Report your position and readiness to the OSC Coordinator.

3.1.2 Announce your name and assumed position title to other OSC Staff members and to the Radiological Assessment Coordinator or a Survey/Sample Team Coordinator.

3.1.3 Ensure that all personnel actively assigned to you are accounted for at all times.

3.1.4 Determine need for additional equipment, supplies, and manpower, and make request for same.

Chemistry and Radiation Protection Team Coordinator

3.1.5 Maintain a running log of your activities and ensure documentation of the following in the Chemistry and Radiation Protection Team Coordinator's Log:

- Communications
- Key decisions
- Data collected
- Checklists

Use EPP-13, Figure 8 "Emergency Response/Recovery Action Log".

An accurate recording of actions must be maintained as they may be vitally important to later review of emergency response/recovery activities.

3.1.6 A. When assuming the Chemistry and Radiation Protection Team Coordinator's position, request a briefing on the emergency and emergency actions status from the previous position holder. Note completion of this step in the Chemistry and Radiation Protection Team Coordinator's Log and ensure your name is placed in the appropriate box on the organization chart.

B. When relinquishing the Chemistry and Radiation Protection Team Coordinator's position, brief your successor on the emergency and emergency actions status. Note completion of this step in the Chemistry and Radiation Protection Team Coordinator's Log.

3.1.7 Ensure proper use of communications equipment per EPP-17.

3.1.8 Ensure exposure control is in accordance with EPP-15.

3.2 Upon arrival in the OSC ensure your name is placed in the appropriate box on the organization chart.

3.3 If necessary (discuss with OSC Coordinator) assist in activating the OSC per EPP-13, Figure 7, OSC General Rules of Conduct.

3.4 If not already accomplished, plug in Radiation Protection dedicated line and contact Radiological Assessment Coordinator or a Survey/Sample Team Coordinator in TSC. Receive briefing and any instructions.

Chemistry and Radiation Protection Team Coordinator

3.5 Assign qualified radiation protection technicians (per EPP-11 approved personnel lists) for the following assignments as appropriate:

a. Downwind Survey Team A _____
b. Downwind Survey Team B _____
c. Downwind Survey Team C _____
d. Inplant Survey Team _____
e. Inplant Survey Team _____
f. Repair/Damage Control Team _____
g. Repair/Damage Control Team _____
h. Fire/Rescue/Medical Brigade _____

3.6 Direct survey teams to prepare for dispatch and advise you when ready per EPP-6 and 7.

3.7 OSC radiation survey and air sample results reported to TSC, and OSC Coordinator.

3.8 Step-off pad and monitor set up by employee entrance and sign placed on Administration Building lobby door; advise OSC Coordinator when completed. In addition, set up a step-off pad and monitor at entrance to Technical Library to provide for the monitor of personnel entering the TSC. 1

3.9 Interface with Repair/Damage Control and NMP Fire Department OSC coordinating individuals for assigning radiation protection technicians to their teams.

3.10 Advise TSC Survey/Sample Team Coordinators and OSC Coordinator when survey teams are ready to be dispatched. Relay any instructions, protective actions, etc. per EPP-6 and 7 to the teams. Advise OSC Coordinator when teams have been dispatched and their destination.

3.11 Continue to provide and coordinate radiation protection personnel as directed by TSC Survey/Sample Team Coordinators and/or the OSC Coordinator. Keep the OSC Coordinator appraised of all activities.

3.12 Observe the general rules of conduct for the OSC (EPP-13, Figure 7).

3.13 When directed by TSC Survey/Sample Team Coordinator or OSC Coordinator, arrange to have additional Radiation Protection personnel called in, set up shift-type schedules, etc., as necessary to provide adequate coverage.

EAP-3, Enclosure 19

Damage Control Team Coordinator

1.0 GENERAL INFORMATION

Position: Damage and Repair Team Coordinator

Designee: A Maintenance Department Supervisor

Alternate: A Maintenance Department Chief Mechanic or Electrician

Reports To: Operations Support Center Coordinator (but also communicates and coordinates activities through the Maintenance Coordinator in TSC)

Reporting Location: Operations Support Center

2.0 RESPONSIBILITIES

The Damage Control Team Coordinator is responsible to the Operations Support Center Coordinator for:

2.1 Providing technical and administrative direction to Damage Control Teams as directed by the OSC Coordinator and/or the Maintenance Coordinator.

2.2 Providing an assessment of any damaged equipment and necessary personnel or equipment needs to effect emergency repairs.

2.3 Keeping OSC personnel appraised of Damage Control and Repair activities.

3.0 ACTIONS AND LIMITATIONS

3.1 General Activities

3.1.1 Report your position and readiness to the OSC Coordinator.

3.1.2 Announce your name and assumed position title to other OSC Staff members and to the Maintenance Coordinator.

3.1.3 Ensure that all personnel actively assigned to you are accounted for at all times.

3.1.4 Determine need for additional equipment, supplies, and manpower, and make request for same.

Damage Control Team Coordinator

3.1.5 Maintain a running log of your activities and ensure documentation of the following in the Damage Control Team Coordinator's Log:

- Communications
- Key decisions
- Data collected
- Checklists

Use EPP-13, Figure 8 "Emergency Response/Recovery Action Log".

An accurate recording of actions must be maintained as they may be vitally important to later review of emergency response/recovery activities.

3.1.6 A. When assuming the Damage Control Team Coordinator's position, request a briefing on the emergency and emergency actions status from the previous position holder. Note completion of this step in the Damage Control Team Coordinator's Log and ensure your name is placed in the appropriate box on the organization chart.

B. When relinquishing the Damage Control Team Coordinator's position, brief your successor on the emergency and emergency actions status. Note completion of this step in the Damage Control Team Coordinator's Log.

3.1.7 Ensure proper use of communications equipment per EPP-17.

3.1.8 Ensure exposure control is in accordance with EPP-15.

3.2 Advise OSC Coordinator of assumption of duties and ensure your name is placed in the appropriate box on the organization chart.

3.3 If necessary (discuss with OSC Coordinator) assist in activating the OSC per EPP-13, Figure 7, OSC General Rules of Conduct.

3.4 If not already accomplished, plug in Damage Control dedicated line and contact Maintenance Coordinator in TSC. Receive briefing and any instructions.

3.5 Assign qualified Maintenance and I&C personnel (per EPP-11 approved personnel lists) to standby as teams for any necessary repair/damage control activities. Ensure team compositions comply with EPP-22.

Team 1 _____, _____, _____, _____
Team 2 _____, _____, _____, _____
Team 3 _____, _____, _____, _____

Damage Control Team Coordinator

3.6 Determine from Chemistry and Radiation Protection Team Coordinator, Radiation Protection personnel to be assigned to damage control teams 1) _____ 2) _____ 3) _____

3.7 Advise Maintenance Coordinator and OSC Coordinator of team assignments.

3.8 In consultation with Maintenance Coordinator, determine any further preparations necessary for damage control teams (i.e., protective clothing, respirators, etc.) per EPP-22.

3.9 In consultation with Maintenance Coordinator, determine actions to be taken by damage control team(s), any special precautions to be observed, etc.

3.10 Provide directions to damage control team(s) and advise Maintenance Coordinator and OSC Coordinator when dispatched.

3.11 Continue to provide and coordinate Damage Control Teams as directed by the Maintenance Coordinator and/or OSC Coordinator, keeping the OSC Coordinator and Maintenance Coordinator appraised of all activities.

3.12 Observe the general rules of conduct for the OSC (EPP-13, Figure 7).

3.13 When directed by Maintenance Coordinator, or OSC Coordinator, arrange to have additional maintenance personnel called in, set up shift-type schedules, etc., as necessary to provide adequate coverage.

EAP-3, Enclosure 20

Nine Mile Point Fire Department Coordinator

1.0 GENERAL INFORMATION

Position: Nine Mile Point Fire Department Coordinator

Designee: A Fire Department Supervisor

Reports To: Operations Support Center Coordinator

Reporting Location: Operations Support Center (or scene of Fire/Rescue/Medical Injury as necessary)

2.0 RESPONSIBILITIES

The Fire Department Coordinator will be responsible to the Operations Support Center Coordinator for:

2.1 Providing technical and administrative direction to Fire Department personnel as directed by the OSC Coordinator or Emergency Director.

2.2 Keeping OSC and TSC personnel appraised of Fire/Rescue/Medical activities.

3.0 ACTIONS AND LIMITATIONS

3.1 General Activities

3.1.1 Report your position and readiness to the OSC Coordinator.

3.1.2 Announce your name and assumed position title to other OSC Staff members.

3.1.3 Ensure that all personnel actively assigned to you are accounted for at all times.

3.1.4 Determine need for additional equipment, supplies, and manpower, and make request for same.

3.1.5 Maintain a running log of your activities and ensure documentation of the following in the NMP Fire Department Coordinator's Log:

- Communications
- Key decisions
- Data collected
- Checklists

Use EPP-13, Figure 6 "Emergency Response/Recovery Action Log".

An accurate recording of actions must be maintained as they may be vitally important to later review of emergency response/recovery activities.

Nine Mile Point Fire Department Coordinator

3.1.6 A. When assuming the NMP Fire Department Coordinator's position, request a briefing on the emergency and emergency actions status from the previous position holder. Note completion of this step in the NMP Fire Department Coordinator's Log and ensure your name is placed in the appropriate box on the organization chart.

B. When relinquishing the NMP Fire Department Coordinator's position, brief your successor on the emergency and emergency actions status. Note completion of this step in the NMP Fire Department Coordinator's Log.

3.1.7 Ensure proper use of communications equipment per EPP-17.

3.1.8 Ensure exposure control is in accordance with EPP-15.

3.2 As appropriate to the situation at hand and in response to station alarms/announcements, respond and direct the activities of the Fire/Rescue/Medical Brigade in accordance with applicable Emergency Plan Implementation Procedures as follows:

Fire - Per EPP-2
Search and Rescue - Per EPP-3
Personnel Injury - Per EPP-4

3.3 If assemblying in the OSC, advise OSC Coordinator of assumption of duties and ensure your name is placed in the appropriate box on the organization chart.

3.4 Assist in activating the OSC per EPP-13, Figure 7, OSC General Rules of Conduct.

3.5 In consultation with OSC Coordinator or other coordinators in TSC, determine any actions required of Fire Department personnel and direct such actions.

3.6 Observe the general rules of conduct for the OSC (EPP-13, Figure 7).

NINE MILE POINT NUCLEAR STATION

EMERGENCY PROCEDURES

PROCEDURE NO. EPP-20

EMERGENCY NOTIFICATIONS

FOR INFORMATION ONLY

APPROVALS	SIGNATURES	DATE AND INITIALS REVISION 4	REVISION 5	REVISION 6
Chemistry & Radiation Management Superintendent E. W. Leach	E. W. Leach	8/16/82 EWL	5/31/83 EWL	
Supervisor Nuclear Security R. F. Orr	R F Orr	8/19/82 RFO	5/31/83 RFO	
Station Superintendent NMPNS T. W. Roman	T. W. Roman	8/18/82	5/31/83	
General Superintendent Nuclear Generation Chairman of S.O.R.C. T. J. Perkins	T. J. Perkins	8/17/82 TJP	5/31/83 TJP	

Summary of Pages

Revision 5

Pages	Date
i,1-3, 5, 8-10	May 1982
13	March 1983 (Reissue)
4,6,7,11,12,14-23	May 1983

NIAGARA MOHAWK POWER CORPORATION

*Proprietory information. For controlled copies only.

THIS PROCEDURE NOT TO BE USED AFTER May 1985. SUBJECT TO PERIODIC REVIEW.

EPP-20

EMERGENCY NOTIFICATIONS

4

EPP-20

EMERGENCY NOTIFICATIONS

1.0 PURPOSE

The purpose of this procedure is to provide the instructions necessary to assure that prompt notification of an emergency condition at the NMPNS is made to offsite authorities, emergency response agencies, selected NMPNS personnel and NMPC Headquarters.

2.0 REFERENCES

2.1 NUREG 0654, "Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants."

2.2 EAP-1 "Activation and Direction of Emergency Plan." 4

2.3 EAP-2 "Classification of Emergency Conditions."

3.0 RESPONSIBILITIES

In order to ensure the complete and appropriate handling of emergency notifications, the following position listing provides associated assignment responsibilities:

3.1 Station Shift Supervisor

a. Assumes the role of Emergency Director, until properly relieved.

b. Initiates the classification of emergency conditions based on available information (per EAP-2). 4

c. Designates Control Room Communications Aide to initiate and maintain communications with offsite authorities until TSC or EOF staffed.

3.2 Control Room Communications Aide (as assigned by SSS)

a. As directed by SSS, initiates and maintains communications with offsite authorities until responsibility is transferred to TSC or EOF.

b. Continues to maintain communications with TSC following its activation.

3.3 Emergency Director

a. Relieves Station Shift Supervisor of overall responsibility for station emergencies (per EAP-1). SSS maintains responsibility for actual operation of the station, coordinating his actions with the Emergency Director.

b. Initiates or verifies classification of emergency conditions (per EAP-1).

c. Initiates or continues communications with offsite authorities, through Communications Chief or designee, until EOF assumes this responsibility. 4

3.4 Communications Coordinator

a. As directed by the Emergency Director, initiates or maintains communications with offsite activities.

b. Acts as prime interface with Emergency Director for information dissemination to and from offsite authorities, NMPC Emergency Organization, and other outside groups.

4.0 PROCEDURE

4.1 Control Room Communications Aide

(See Figure 3, Control Room Communications Aide Checklist)

4.1.1 Obtain a copy of Part I of the Notification Fact Sheet (Figure 4), Notification Confirmation Sheet (Fig. 5) and Emergency Contact List (Figure 6) from the Emergency Procedures Checklist Bin.

4.1.2 Have the SSS fill out and initial Part I of the Notification Fact Sheet (or fill it out and have the sheet reviewed and initialed)

NOTE: Determine assistance needed from JAFNPP, if any. 4

4.1.3 Turn on communications equipment and set up communications area.

4.1.4 Make initial notifications to the individuals and organizations listed on the Emergency Contact List (Figure 6) following the procedure specified in Section 4.4.1.

4.1.5 As verification calls are received and/or additional information is requested or made available, follow the procedure specified in Section 4.4.2.

4.1.6 Notify the SSS of completion of initial notifications, any problems encountered, and any additional information requested.

4.1.7 If the emergency is reclassified (higher or lower), complete Part I of the Notification Fact Sheet for the new classification and make notifications in the same manner specified in Section 4.4.1 for the initial notification of an emergency.

4.1.8 When the Communications Coordinator (or designee) calls from the TSC, provide status of emergency notifications completed, additional information that has been requested and by whom, and any further information application or asked for.

4.1.9 Advise the SSS when the Communications Coordinator assumes offsite communications responsibility, and continue to maintain communications between the control room and TSC as directed by the SSS. In this latter role, frequently request emergency status information from the TSC and provide this data to the SSS. When requested by the TSC, obtain plant status, radiological, and/or meteorological information and provide this data to TSC personnel.

4.2 Communications Coordinator

(See Figure 2, Communications Coordinator's Checklist)

4.2.1 Obtain a copy of Part I, II, and III of the Notification Fact Sheet (Figure 4), Notification Confirmation Sheet (Fig. 5), and Emergency Contact List (Figure 6).

4.2.2 Contact Control Room (SSS or Communications Aide):
a. Determine emergency notifications completed, if any.
b. Determine information necessary for the completion of the Notification Fact Sheets (wind speed, wind direction, status of safeguards, etc.)
c. Advise Control Room you are assuming emergency notification responsibility.

4.2.3 During off-hours contact Security and determine emergency notification completed.

4.2.4 Fill out, or have Emergency Director fill out, Part I of the notification fact sheet for initial notification and Part I, II, and/or III for follow-up notifications as information becomes available. Have these sheets reviewed and initialed by the Emergency Director.

4.2.5 Determine from the Emergency Director protective actions to be taken by Unit 2 and the Energy Information Center personnel or visitors; and what assistance, if any, is needed from JAFNPP.

4.2.6 Establish communications area in TSC and obtain sufficient staff from OSC using approved personnel lists of EPP-11.

4.2.7 Initiate notifications to the individuals and organizations listed on the Emergency Contact List (Figure 6) following the procedure specified in Section 4.4.1.

4.2.8 During normal hours, if the emergency is classified or escalated to an Alert Emergency or higher, contact the OSC and Training Center, as appropriate, and request that site personnel listed in Fig. 7 be sent to staff the EOF. 5

4.2.9 If off-hours and security has not completed all their calls, complete their calls per Section 4.3 utilizing Figure 3, Security Off-hours Emergency Contact List.

4.2.10 As verification calls are received and/or additional information is requested, record verification on Figure 5 and follow the procedure specified in Section 4.4.2

4.2.11 Keep the Emergency Director appraised of the status of notifications, any problems encountered, and additional information requested. Provide status of notification by message forms to the Technical Data Coordinator for posting on the Emergency Events Status Board.

4.2.12 If the emergency is reclassified (higher or lower), complete Part I of the Notification Fact Sheet for the new classification, Part II and/or Part III if information is available, and make notifications in the same manner specified in Section 4.4.1 for the initial notification of an emergency. If off hours, also make notification required by security per Section 4.3 and Figure 3.

4.3 Security

4.3.1 Contact Control Room and acknowledge receipt of alarm.

4.3.2 During off-hours perform necessary notifications required per EPP-20, Figure 3 "Security Off-hours Emergency Contact List." Ensure the following information is obtained before making calls:

Unusual Event:
a) Class of Emergency_____
b) Type of Incident_____
c) Status of Safeguards_____
d) Protective Actions for Unit 2 and EIC_____

Alert, Site Area, or General Emergency:
a) Class of Emergency_____
b) Type of Incident_____
c) Status of Safeguards_____
d) Radioactive Release has_____has not_____ occurred.
e) Weather Conditions Speed_____ Direction_____
f) Assembly Point_____
g) Protective actions for Unit 2 and EIC_____

4.3.3 During off-hours, notify SSS that calls have been made. Identify problems encountered and the titles of those individuals requiring paging.

4.3.4 If the station evacuation alarm is sounded or precautionary staffing of TSC is announced, send a representative to the TSC to coordinate security response with the Emergency Director.

If the evacuation alarm is sounded, perform actions required per EPP-5 "Station Evacuation"

4.3.5 When the Communications Coordinator (or designee) calls from the TSC, provide status of emergency notifications completed and any additional information applicable.

4.4 Notification/Communications Protocol

4.4.1 Initial Notification

The Control Room Communications Aide or the TSC Communications Coordinator (or designee) will make notifications to the individuals and organizations listed on the Emergency Contact List (see Figure 6) as follows:

a. Contact each organization or individual using the primary telephone number of method listed. If the party cannot be contacted by the primary number or method listed, try the alternate telephone number or method listed.

NOTE: All initial and follow-up notifications shall be made by telephone, with a radio used only as a backup if the telephone systems are inoperative. This will reduce the chances that messages are intercepted by persons who may misunderstand or misinterpret the information and will thus help to minimize the spread of rumors and undue public anxiety.

b. If a party cannot be contacted in a reasonable period of time (such as 6 rings), bypass that party and proceed to the next one on the list. After several other notifications have been completed or after all notifications have been completed, attempt to contact any bypassed parties. If a party still cannot be contacted, consider other methods such as radio, paging, dispatching a courier, or relay through another party.

NOTE: Every effort shall be made to contact the following organizations:
-Oswego County Office of Emergency Preparedness
-NYS Department of Health
-NRC
-7th North Power Control Dispatcher

c. When the party answers, read the introductory paragraph on Part I of the Notification Fact Sheet and then pause to permit the individual to obtain his copy of the form or a blank paper on which to record the notification information.

NOTE: Initial Notifications - Use Part I of Notification Fact Sheet.
Subsequent Notifications (and reclassifications)- Use Part I and Part II and/or III of the Notification Fact Sheet as information becomes available. Don't hold up transmittal of Part II and/or III if all information is unavailable. Send Part II and/or III with whatever new data has become available and is authorized by Emergency Director. 5

d. Read the notification, identifying each blank by number and letter and then specifying the information to be entered in that blank.

e. After the notification has been completed, ask the individual if all the information has been recorded, and if necessary, correct any errors.

f. Direct the individual to notify the appropriate individual(s) in his organization in accordance with that organization's emergency plan. Remind the individual that a verfication call is required if call is being made on other than a dedicated phone line.

g. Record the name of the individual contacted and the time of contact on the Emergency Contact List.

h. Proceed to the next party on the Emergency Contact list.

i. Proceed in this manner until all individuals and organizations listed on the Emergency Contact List have been notified for the appropriate emergency classification.

4.4.2 Verification and Follow-up Information

a. When a verification call is received from a designated individual, record the time and the name of the individual on the Notification Confirmation Sheet (Fig. 5). Provide the information available on Part II and III of the Notification Fact Sheet to the individual. (This sheet may not be completed at this time).

NOTE: All notifications made to individuals and organizations offsite require verification. The follow-up communication in response to an initial notification is the primary means of verification. This will be performed by individuals calling the Control Room or TSC on private or dedicated lines to verify the emergency.

b. If an individual requests information not listed on the notification forms, make reasonable efforts to obtain and relay the information after all notifications have been completed.

NOTE: NRC and New York State may request additional information not contained in Initial and Follow-up Notification Fact Sheets. If this occurs, request the Emergency Director to assign a technically qualified individual to answer NRC questions and not interfere with other notification requirements. 5

c. As information on Part II and III of the Notification Fact Sheet becomes available or changes significantly, the Emergency Director may, at his discretion, relay this new information to some or all of the individuals and organizations listed on the Emergency Contact List along with Part I of the Notification Fact Sheet.

NOTE: Part II and III of the Notification Fact Sheet may be telecopied to County, State, and NRC to avoid misinterpretation of data. Part I will always be provided via voice communications.

EPP-20

FIGURE 1

CONTROL ROOM COMMUNICATIONS AIDE EMERGENCY NOTIFICATION CHECKLIST

DATE:_____ NAME:_____

Initial/Time

_____/____ 1. Obtain Forms from Emergency Procedures Checklist Bin.
a. Part I of the Notification Fact Sheet (EPP-20-Figure 4)
b. Notification Confirmation Sheet (EPP-20-Figure 5)
c. Emergency Contact List (EPP-20-Figure 6)

_____/____ 2. Part I of the Notification Fact Sheets filled out and initialed by SSS.
NOTE: Determine any assistance needed from JAFNPP.

_____/____ 3. Communications Equipment on, area set up.

_____/____ 4. Make initial notifications listed on Emergency Contact List (EPP-20-Figure 6).
NOTE: Refer to Procedure EPP-20, Section 4.4.1

Every effort shall be made to contact the following organizations:
-Oswego County Office of Emergency Preparedness
-NYS Department of Health
-NRC
-7th North Power Control Dispatcher

_____/____ 5. During off-hours contact security and have them notify appropriate emergency contacts of the following:

Unusual Event:
a) Class of Emergency_____
b) Type of Incident_____
c) Status of Safeguards_____
d) Protective Actions for Unit 2 and EIC_____

Alert, Site Area, or General Emergency:
a) Class of Emergency_____
b) Type of Incident_____
c) Status of Safeguards_____

FIGURE 1

CONTROL ROOM COMMUNICATIONS AIDE EMERGENCY NOTIFICATION CHECKLIST (cont.)

DATE:_____ NAME:_____

d) Radioactive Release has_____has not_____ occurred.
e) Weather Conditions Speed_____Direction_____
f) Assembly Point_____
g) Protective actions for Unit 2 and EIC_____

_____/_____ 6. Record verification calls on Notification Confirmation Sheet (EPP-20-Figure 5).

_____/_____ 7. Notify SSS of completion of notification/problems/questions.

_____/_____ 8. Transfer notification responsibility to Communication Coordinator (or designee) in TSC and advise SSS of transfer.
NOTE: Continue as Communications Aide to SSS. Keep SSS informed of emergency status by frequently requesting updates from TSC and providing the same on plant status to TSC.

EPP-20

FIGURE 2

COMMUNICATIONS COORDINATOR
EMERGENCY NOTIFICATIONS CHECKLIST

DATE: _____ NAME: _____

Inicial/Time

_____/_____ 1. Obtain forms from Emergency Assignment Binder:
   a. Part I, II, and/or III of the Notification Fact Sheet (EPP-20-Figure 4) as necessary
   b. Notification Confirmation sheet (EPP-20-Figure 5)
   c. Emergency Contact List (EPP-20-Figure 6)
   d. (Off-hours only) Security Off-hours Emergency Contact List (EPP-20-Figure 3)

_____/_____ 2. Contact Control Room (SSS or Communications Aide):
   a. Determine emergency notifications completed.
   b. Determine information for notification sheets.
   c. Advise Control Room you are assuming emergency notification duties.

_____/_____ 3. During off-hours contact security and determine emergency notifications completed.

_____/_____ 4. Fill out appropriate fact sheets for the level of notification and have them reviewed and initialed by Emergency Director.

_____/_____ 5. Determine from the Emergency Director:
   a. Actions to be directed for Unit 2 and the EIC
   b. Assistance necessary from JAFNPP

_____/_____ 6. Establish communications area in TSC and obtain sufficient staff from OSC per approved personnel lists of EPP-11.

_____/_____ 7. Make initial notifications listed on Emergency Contact List (EPP-20-Figure 6).
   NOTE: Refer to Procedure EPP-20, Section 4.4.1

   Every effort shall be made to contact the following organizations:
   -Oswego County Office of Emergency Preparedness
   -NYS Department of Health
   -NRC
   -7th North Power Control Dispatcher

FIGURE 2

COMMUNICATIONS CHIEF
EMERGENCY NOTIFICATIONS CHECKLIST
(Continued)

DATE:_____ NAME:_____

Initial/Time

____/____	8.	During normal hours, if the emergency is classified or escalated to an Alert Emergency or higher, contact the OSC and Training Center, as appropriate, and request that site personnel listed in EPP-20, Fig. 7 be sent to staff the E.O.F.
____/____	9.	(Off-hours Only) Complete Security's Emergency Notification, per procedure Section 4.3 and EPP-20 Figure 3.
____/____	10.	Record verification calls on Notification Confirmation Sheet (EPP-20-Figure 5).
____/____	11.	Keep Emergency Director and Technical Data Coordinator appraised of notification status, problems, and/or questions via status boards and/or message forms.

5

FIGURE 3

SECURITY OFF HOURS EMERGENCY CONTACT LIST

Emergency Class	Personnel/Agencies To Be Contacted	Numbers	Message	
Unusual Event	On-Call Supervisors	See On-Call Schedules	#1	5
	General Supt.	*	#1	
	Station Supt.	*	#1	
	Emergency Coord.	*	#1	
	SSS	Ext: * or Radio	#7	
Alert, Site Area Emergency, & General Emergency	On-Call Supervisors	See On-Call Schedules	#2	
	Unit #2 Construction	Dedicated Security Line, * or Radio	#4	
	Site Security	* or * or Ext. *	#3	
	Energy Info. Center			
	Sheriff	or Radio	#5	
	Coast Guard	*	#6	
	Gen. Supt.	*	#2	
	Station Supt. Unit 1	*	#2	
	Operations Supvr. Unit 1	*	#2	
	Tech. Supt.	*	#2	
	Chem & Rad Mgt Supt	*	#2	
	Technical Services Supt	*	#2	
	Comp Oper & Maint Supvr	*	#2	
	Site I&C Supvr	*	#2	
	Site Rx Analyst Supv	*	#2	
	Maintenance Supt	*	#2	
	QA Operations Supervisor	*	#2	
	Station Supt. Unit 2	*	#2	5
	Operations Supv.Unit 2	*	#2	
	Chem & Rad Prot Supv	*	#2	
	Environmental Prot.Coord	*	#2	
	Emergency Coord	*	#2	
	Fire Protection Coord.	*	#2	
	Area Safety Director	*	#2	
	Site Office Supervisor	*	#2	
	SSS	Ext. * or Radio	#7	

*Proprietory information. For controlled copies only.

FIGURE 3 (Cont.)

SECURITY OFF HOURS EMERGENCY CONTACT LIST

MESSAGE #1) Inform persons contacted that the station is in a (state class of emergency) emergency condition. State type of incident_____. Status of safeguards_____. They are requested to contact the control room immediately for further information and instructions.

MESSAGE #2) Inform person contacted that the station is in a _____ (state class of emergency) emergency condition. They are to assemble immediately at the (TSC/nearsite EOF/alternate EOF) with required departmental personnel. State type of incident (if known)_____. Status of safeguards working_____ not working_____. Radioactive release has_____ has not _____ occurred. Weather condition speed_____ direction _____.

MESSAGE #3) The NMPNS is in a _____(state class of emergency) emergency condition. Direct all visitors at the EIC to (leave the area) (assembly inside EIC). Direct all NMPC personnel to (leave the area) (report to emergency posts) (assembly inside the EIC). Turn off ventilation and standby for further instructions.

MESSAGE #4) The NMPNS is in a _____(state class of emergency) emergency condition. All persons assemble for head count and remain under cover according to Unit #2 Emergency Procedure (CSI 24.3). Standby for further instructions.

MESSAGE #5) The NMPNS is in a _____(state class of emergency) emergency condition. Please assign deputies to block off the site at the east and west boundaries on Lake Road to keep all unauthorized pesonnel out.

MESSAGE #6) The NMPNS is in a _____(state class of emergency) emergency condition. Please ensure that all boats are cleared from the lake front within a one mile radius of the site (if it is possible for boats to be on the lake).

MESSAGE #7) NMP-SSS (Off Hours) Ext. *
Notify SSS that contacts have been made. Inform SSS of any problems encountered and the names of individuals requiring notification via site radio paging system per EPP-17.

*Proprietory information. For controlled copies only.

FIGURE 4

NIAGARA MOHAWK | NINE MILE POINT NUCLEAR SITE

PART I NOTIFICATION FACT SHEET

313-008 N03-83
SYMBOL NO. 55-32-095

THIS IS TO REPORT AN INCIDENT AT THE NINE MILE POINT NUCLEAR SITE. STANDBY FOR ROLL CALL. CONDUCT ROLL CALL TO INCLUDE THE FOLLOWING STATIONS:

☐ New York State Warning Point ☐ Oswego County Warning Point ☐ James A. Fitzpatrick Nuclear Power Plant

UPON COMPLETION OF ROLL CALL, GIVE INFORMATION AS OUTLINED BELOW:

1. Date & Time of Message Transmittal: _____ (Date) _____ (Time (24 Hour Clock))
2. Nuclear Facility Providing the Initial Report:
   D Nine Mile Pt. Unit #1
3. Reported By: [A] _____ (Name) [B] _____ (Title) [C] _____ (Phone)
4. This is [A] is [B] is not an excercise.
5. Emergency Classification: [A] Unusual Event [B] Alert
   [C] Site Area Emergency [D] General Emergency
6. This Classification Declared at: _____ (Date) / _____ (Time (24 Hour Clock))
7. Brief Event Description/Initiating Condition: _____

8. There:
   - [A] Has not been a release of radioactivity.
   - [B] Has been a release of radioactivity to the **atmosphere**.
   - [C] Has been a release of radioactivity to a **body of water** _____.
   - [D] Has been a **ground spill** release of radioactivity.
9. The Release: [A] Is Continuing [B] Has Terminated [C] Is Intermittant [D] N/A
10. Protective Actions:
    - [A] There is no need for protective actions outside the sight boundary.
    - [B] Protective actions are under consideration.
    - [C] Recommended Protective Actions:

      Shelter Within _____ Miles/or Sectors/or ERPA's
      Evacuate Within _____ Miles/or Sectors/or ERPA's
11. Weather:
    - [A] Wind Speed_____ Miles Per Hour or _____ Meter Per Second
    - [B] Direction (From)_____ Degrees
    - [C] Stability Class — PASQUIL (A-G)/NMPC (I-IV)_____
    - [D] General Weather Conditions (if available) _____

NOTE: FOR FOLLOW-UP NOTIFICATIONS INDICATE IF AND HOW PART I AND/OR II OF NOTIFICATION TO FOLLOW (i.e. VOICE OR TELECOPY)

FIGURE 4 (Cont'd)

NIAGARA MOHAWK — NINE MILE POINT NUCLEAR SITE

PART II — DOSE ASSESSMENT FACT SHEET

313-009 NO3-83
SYMBOL NO. 55-32-095

Date	Time

12. Prognosis for Worsening or Termination of the Emergency: _____

13. In-Plant Emergency Response Actions Underway: _____

14. Utility Off-Site Emergency Response Action Underway: _____

15. Release Information

[A] Atmospheric Release

	Actual	Projected
Date & Time Release Started		
Duration of Release	Hrs.	Hrs.
Noble Gas Release Rate	Ci/Sec.	Ci/Sec.
Radio Iodine Release	Ci/Sec.	Ci/Sec.
Elevated or Ground Release		

[B] Waterborne Release

	Actual	Projected
Date & Time Release Started		
Duration of Release	Hrs.	Hrs.
Volume of Release	Gal.	Gal.
Radioactivity Concen. (Gross)	uCi/ML	uCi/ML
Total Radioactivity Released	Ci	Ci
Radionuclides in Release	uCi/ML	uCi/ML
	uCi/ML	uCi/ML

BASIS FOR RELEASE DATA E.G. EFFLUENT MONITORS, GRAB SAMPLE, COMPOSITE SAMPLE & SAMPLE LOCATION:

16. Dose & Measurements & Projections

[A] Site Boundary

	Actual	Projected
Whole Boundary Dose Rate	Mr/Hr	Mr/Hr
Whole Body Committment		Rem
Thyroid Dose (2 Hr. Exposure)	mRem	mRem
Thyroid Dose (Total Commit.)		Rem

[B] Projected Off-site

	2 Miles	5 Miles	10 Miles
Whole Body Dose Rate (Mr/Hr)			
Whole Body Dose (Rem)			
Thyroid Dose Committment (1 Hr. Exposure) (mRem)			
Thyroid Dose (Total Committment) (Rem)			

17. Protective Action Recommendations and the Basis for that Recommendation: _____

PART III — PLANT PARAMETER FACT SHEET

MAJOR PARAMETERS

18. Rx pressure _____ psig
19. Rx temp. _____ °F
20. Rx level _____ inches
21. Rx shutdown [ ] Y [ ] N
    Rx power level _____ MWE _____ MWT
22. Drywell pressure _____ psig
23. Drywell temperature _____ °F

MISCELLANEOUS SYSTEMS/COMPONENTS

24. Pressure Relief Valves
    [ ] Open [ ] Closed
25. Safety Valves
    [ ] Open [ ] Closed
26. Torus water temp. _____ °F
27. Torus water level _____ feet
28. Condensate storage tank level _____ feet
29. MSIV [ ] Open [ ] Closed
30. Reactor Water Cleanup System
    [ ] Operating [ ] Standby [ ] Inop.
31. Automatic Depressurization System
    [ ] Operating [ ] Standby [ ] Inop.
32. Containment Spray System
    [ ] Torus Cooling Mode
    [ ] Containment Spray Mode
    [ ] Operating [ ] Standby [ ] Inop.
33. Shutdown Cooling System
    [ ] Operating [ ] Standby [ ] Inop.
34. Power Available
    [ ] Off-site 115 KV (North)
    [ ] Avail. [ ] Unavail.
    115 KV (South)
    [ ] Avail. [ ] Unavail.
    [ ] On-site Diesel 102
    [ ] Op. [ ] Standby [ ] Inop.
    Diesel 103
    [ ] Op. [ ] Standby [ ] Inop.
    Battery Board 11
    [ ] Avail. [ ] Unavail.
    Battery Board 12
    [ ] Avail. [ ] Unavail.

MODES OF SAFETY INJECTION

(check modes in use)

35. [ ] Normal Feedwater System
36. [ ] Control Rod Drive
37. [ ] Core Spray
38. [ ] High Pressure Coolant Injection

STATUS OF EMERGENCY SAFEGUARDS

39. Emergency Condensers
    [ ] Operating [ ] Standby [ ] Inop.
40. Liquid Poison System (Standby Liquid Control)
    [ ] Operating [ ] Standby [ ] Inop.
41. Drywell Inerting & Containment Atmosphere Dilution System
    [ ] Operating [ ] Standby [ ] Inop.
42. Emergency Ventilation (Standby Gas Treatment)
    [ ] Operating [ ] Standby [ ] Inop.
43. Containment Integrity
    Primary [ ] Y [ ] N
    Secondary [ ] Y [ ] N

RADIOLOGICAL MONITORS

44. Stack Effluent
    07 _____ cpm
    08 _____ cpm
    11 _____ cps
    12 _____ cps
45. High Range Stack Effluent
    _____ mR/hr.
46. Containment High Range
    elev. 263 ft. _____ R/hr.
    301 ft. _____ R/hr.
47. Main Steam Lines
    111 _____ mR/hr.
    121 _____ mR/hr.
48. Area Radiation Monitors
    Time/Location/Reading
    _____
    _____
    _____
    _____
49. Continuous Air Monitors
    Time/Location/Reading
    _____
    _____
    _____
    _____

FIGURE 5

NOTIFICATION CONFIRMATION SHEET

Confirmation of Initial Notification:

(Name)

(Agency or Company Represented)

(Telephone Number or Method)

(Name)

(Agency or Company Represented)

(Telephone Number or Method)

(Name)

(Agency or Company Represented)

(Telephone Number or Method)

(Name)

(Agency or Company Represented)

(Telephone Number or Method)

(Name)

(Agency or Company Represented)

(Telephone Number or Method)

FIGURE 6

EMERGENCY CONTACT LIST

Contact Req. Per Emerg. Class			Agency/Person Contacted	Time Contacted	Remarks
Unusual Event	Alert, Site Area & Gen. Emerg.				
X	X	1)	NMPC Corporate Headquarters via: System Power Control Dispatcher on Dedicated Line, Syr. Ext. * [redacted] or Radio Message: Give details as presented on Part I of the Notification Fact Sheet. Instruct contact to initiate the Corporate Emergency Notification Procedure, CPP-1 and the FERC emergency procedure as appropriate. Provide any further instructions/ information/requests approved by the Emergency Director		5
X	X	2)	Oswego County Office of Emergency Preparedness via: New York State Radiological Emergency Communication System (RECS) Hot Line to County Warning Point (Oswego County Sheriff) [redacted] * or Security Radio Message: a) Communications staff member or Control Room Communications Aide will pick up handset and depressing button. Pause and wait for ring to stop. Communications staff member or Control Room Communications Aide will announce "This is to report an incident at the Nine Mile Point Nuclear Site. Standby for Roll Call."		

*Proprietory information. For controlled copies only.

FIGURE 6

EMERGENCY CONTACT LIST

Contact Req. Per Emerg. Class Unusual Event	Alert, Site Area & Gen. Emerg.	Agency/Person Contacted	Time Contacted	Remarks
		b) Conduct roll call by announcing the names of the following stations: New York State Warning Point (Office of Disaster Preparedness during duty hours, State Police during non-duty hours) Oswego County Warning Point (Oswego County EOC during duty hours, Sheriff during non-duty hours) James A. Fitzpatrick Nuclear Power Plant		
		c) Upon completion of roll call give information outlined on Part I and Part II and/or III of the Notification Fact Sheets as appropriate. NOTE: Repeat information on FORM ONLY FOR N.Y. STATE WARNING POINT. If others request repeat indicate that this will be provided by N.Y.State Warning Point at conclusion of message.		
		d) Perform a roll call of stations listed above by saying "(Name of Station) did you copy." Sign off by saying "Nine Mile Point Nuclear Station out at (Time) and (date).		
		e) Record dissemination of information on communications log.		
		f) Record confirmation calls on EPP-20 Figure 5.		

FIGURE 6

EMERGENCY CONTACT LIST (cont.)

Contact Req. Per Emerg. Class			Agency/Person Contacted	Time Contacted	Remarks
Unusual Event	Alert, Site Area & Gen. Emerg.				
X	X	3)	New York State Department of Health via: New York State RECS Hotline to NYS Warning Point, * or * Message: Provide details as presented in 1) above if unable to contact using New York State RECS Hotline.		
X	X	4)	Power Authority of the State of New York J. A. Fitzpatrick Nuclear Power Plant Control Room via RECS Hotline, Dedicated Control Room Line, Ext. * , or Radio Message: Give details as presented in 1) above if unable to contact using RECS Hotline. Request assistance if needed.		5
X	X	5)	NRC Emergency Operations Center via: ENS Hotline, * , or HPN Hotline Dial 22 Message: Give details as presented on Notification Fact Sheets and inform them that this notification is being made under 10CFR50.72.		
(Follow Up only as necessary)	X	6)	NRC Resident Inspector * Message: Give details as presented on Initial and Follow-Up Fact Sheets. Control Room Communications Aide		

*Proprietory information.
For controlled copies only.

FIGURE 6

EMERGENCY CONTACT LIST (cont.)

Contact Req. Per Emerg. Class Unusual Event	Alert, Site Area & Gen. Emerg.	Agency/Person Contacted	Time Contacted	Remarks
		Control Room Communications Aide NOTE: Emergency Contacts 7-10 will be notified off-hours by security and 11-14 by TSC once staffed.		
X (Follow Up Only as necessary)	7)	NMPC Unit 2 Construction Site Security Dedicated Line, * Ext. * or Radio via site Security. Message: This is NMPNS #1, we are in a _____ (state class of emerg.). All persons should assemble for head count and remain under cover according to Unit #2 Emergency Procedures. Stand by for further instructions.		5
X (Follow Up Only as necessary)	8)	NMPC Energy Information Center Ext. * _ Message: This is NMPNS #1, we are in a _____ (state class of emerg.) Direct all visitors at the EIC to _____ (leave the area) (assemble inside the EIC). Direct all NMPC Personnel to _____ (leave the area) (report to emergency posts) (assemble at the EIC). Turn off ventilation and standby for further instructions.		5

*Proprietory information. For controlled copies only.

FIGURE 6 (Cont.)

EMERGENCY CONTACT LIST - COMMUNICATIONS CHIEF

Contact Req. Per Emerg. Class		Agency/Person Contacted	Time Contacted	Remarks
Unusual Event	Alert, Site & Gen. Emerg.			
	X (Follow up only as necessary)	9) Oswego County Sheriff Department NYS Nuclear Hotline, * or Radio Message: This is the NMPNS, we are in a _____ (state class of emerg.) Please assign deputies to block off the site at the east and west boundaries on Lake Road to keep all unauthorized personnel out. Follow up notification only as necessary.		
	X (Follow up only as necessary)	10) United States Coast Guard Station Oswego* * Message: This is the NMPNS, we are in a _____ (state class of emerg.). Please ensure that all boats are cleared from the lake front within a one mile radius of the site (if it is possible for boats to be on the lake). Follow up notification only as necessary.		
	X (Follow up only as necessary)	11) General Electric - BWR Emergency Support Program * Message: 1) This is the NMPNS, we are in a _____ (state class of emerg.).		

*Proprietory information.
For controlled copies only.

FIGURE 6 (Cont.)

EMERGENCY CONTACT LIST - COMMUNICATIONS CHIEF

Contact Req. Per Emerg. Class Unusual Event	Alert, Site & Gen. Emerg.	Agency/Person Contacted	Time Contacted	Remarks
		2) Reporting individual's name and number. 3) Summary of situation approved by Energ. Director and request for assistance, if required.		
(Follow up only as necssary)	X 12)	DOE Federal Radiological Monitoring and Assessment Plan (FRMAP) * Message: Give details as presented on Initial and Follow-Up Fact Sheets. Request assistance if needed.		
(Follow up only as necessary)	X 13)	INPO Emergency Response * (Emergency Telecopier Number is * Message: Same as #11		
(Follow up only as necessary)	X 14)	American Nuclear Insurers * Message: Same as #11 For a Site Area or General Emergency instruct contact that further information to be supplied by the EOF once it is fully staffed.		

*Proprietory information.
For controlled copies only.

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FIGURE 7

NOTIFICATIONS FOR EOF ACTIVATION BY SITE PERSONNEL

EOF POSITION	NAME	TYPICAL LOCATION	NOTIFICATION METHOD	
Scheduling/	*	OSC	Gaitronics, Phone	
Planning Manager	*	OSC	*	Face to Face
EOF Technical	*	Training Center	Phone	*
Assistance and	*	Training Center	Phone	*
Technical Briefers	*	Training Center	Phone	*
(Request Technical Assistance from EOF and JNC)	*			*
General Electric Company Rep.	*	OSC	Gaitronics, Phone *	Face to Face
Radiological	*	TSC	Face to Face	
Assessment	*	TSC		
Clerks for EOF	*	OSC	Gaitronics, Phone	
Staff (Request	*	OSC	*	or
clerical support for EOF and JNC			Face to Face	
Computer Oper.	*	OSC	Gaitronics, Phone	
and Maintenance	*	OSC	*	or
(Request technical support for EOF)			Face to Face	

NOTE: Attempt to contact the first person listed for each position. If that person cannot be reached, try the second. Notify individual contacted to staff position/personnel being requested. If any position contacts are unable to be reached, notify Emergency Director.

*Proprietory information. For controlled copies only.

FOR INFORMATION ONLY

NINE MILE POINT NUCLEAR STATION

EMERGENCY PROCEDURES

PROCEDURE NO. EPP-13

ON-SITE EMERGENCY RESPONSE FACILITIES OPERATIONS

APPROVALS	SIGNATURES	DATE AND INITIALS REVISION 10	REVISION 11	REVISION 12
Chemistry & Radiation Management Superintendent E. W. Leach	E W Leach	E W L 3/3/83	6/1/83 E W L	
Supervisor Nuclear Security R. F. Orr	R F Orr	3/4/83 R F O	6/3/83 R F O	
Station Superintendent NMPNS T. W. Roman	T W Roman	T W R 3/3/83	T W R 6/2/83	
General Superintendent Nuclear Generation Chairman of S.O.R.C. T. J. Perkins	T J Perkins	3/8/83 T J P	6/2/83 T J P	

Summary of Pages

Revision 11

Page	Date
i,3-5,8-10,12-18,23	May 1983
1,2,6-7,11,19-22,24-28	January 1983

NIAGARA MOHAWK POWER CORPORATION

THIS PROCEDURE NOT TO BE USED AFTER May 1985. SUBJECT TO PERIODIC REVIEW.

EPP-13

ON-SITE EMERGENCY RESPONSE FACILITIES OPERATIONS

11

EPP-13

ON-SITE EMERGENCY RESPONSE FACILITIES OPERATIONS

1.0 PURPOSE

1.1 The purpose of this procedure is to describe the activation and control functions of the available on-site emergency facilities and outline the personnel staffing these facilities. This procedure does not address the near and off-site emergency facilities, e.g., Joint News Center, Emergency Operations Facility (EOF) and Alternate EOF, which are discussed in the NMPC Corporate Emergency Response/Recovery Plan and Implementing Procedures (CPP's).

2.0 REFERENCES

2.1 NUREG-0654/FEMA-REP-1, Rev. 1 - Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants.

2.2 EAP-1, Activation and Direction of Emergency Plan

2.3 EAP-3, Emergency Personnel Action Procedure | 10

2.4 EPP-5, Station Evacuation

2.5 EPP-8, On-site and Off-site Dose Assessment Procedure

2.6 EPP-11, Review and Revisions of Site Emergency Plan and Procedures

2.7 EPP-20, Emergency Notifications

2.8 NMPC Corporate Emergency Response/Recovery Plan and Implementing Procedures (CPP's). | 10

3.0 EMERGENCY RESPONSE FACILITIES

3.1 Control Room (CR)

3.1.1 Location - The Control Room is located on the 277' elevation of the Turbine Building, in close proximity to the Technical Support Center.

3.1.2 Function - During the initial stage of any emergency condition, the Control Room is the primary location for the assessment and coordination of corrective and protective actions. It is equipped with annunciators and controls for major plant systems, as well as emergency communication systems. This area is also designed to protect personnel from radiation hazards and natural phenomena.

3.1.3 Staffing

a. The normal complement of site personnel required to staff the CR for an emergency classification of an Alert or higher, or for any situation during normal hours requiring a station evacuation, shall include: (See Figures 2 and 3)

1) Station Shift Supervisor on duty
2) Ass't Station Shift Supervisor
3) Chief Shift Operator
4) Operators on Shift and in Training
5) Station Superintendent
6) Operations Supervisor
7) Reactor Analyst, Unit Supervisor
8) Instrumentation & Control, Unit Supervisor
9) Chemistry & Rad. Prot. Assistant Supervisor

b. Staffing for an emergency classification of an Unusual Event may not require full staffing. For this emergency condition the Emergency Director shall determine the staffing complement consistent with the severity of the emergency.

c. Emergency Advisory personnel (#5-9) above will initially report to the Control Room to be briefed by the SSS on plant status and corrective actions in progress. Their duties will be coordinated by the Station Superintendent and will include interfacing with TSC personnel as required by the Emergency Director. | 10

3.2 Technical Support Center (TSC)

3.2.1 Location - The on-site Technical Support Center is located in the Administrative Building on the 277' elevation. It is in close proximity to the Control Room and allows access to records and drawings which describe the as-built conditions and layout of plant structures, systems and components. | 10

3.2.2 Function - The TSC shall provide the necessary area outside the Control Room to accomplish the technical support necessary for the command and control of the emergency situation. These functions include furnishing indepth diagnostic and corrective engineering assistance to Control Room emergency personnel.

3.2.3 Staffing

a. The TSC is activated during the Alert, Site Area Emergency, General Emergency, or when directed by the Emergency Director. In addition, during normal hours the TSC shall also be staffed for any situation requiring a Station Evacuation. (See Figures 2,3,4)

3.2.3 Staffing (Cont'd)

b. The normal positions or expertises to staff the TSC for an Alert, Site Area and General Emergency when fully activated will include: 11

Position Title or Expertise –	Typical Staffing
1) Emergency Director –	Gen. Superintendent Nucl. Gen.
2) Technical Data Coordinator –	Technical Supt. & Staff
3) Instrumentation & Control Coord. –	Site I & C Supv.
4) Reactor Analyst Coord. –	Site Rx Analyst, Supv.
5) Communication Coordinator & Staff –	QA Operations Supv. & Staff
6) Maintenance Coordinator –	Maintenance Supt.
7) Radiological Assessment Coord. –	Chem. & Rad. Mgt. Supt.
8) Environmental Survey/Sample Team Coord. –	Env. Prot. Coord.
9) Station Survey/Sample Team Coord. –	Chem. & Rad. Prot. Supv.
10) Public Information Coord. –	Operations Supervisor of unaffected Unit
11) Security Coordinator –	Security Representative
*12) Operations Engineering –	A Nuclear Engineering Department Staff Member
*13) Mechanical Engineering –	A Nuclear Engineering Department Staff Member
*14) Electrical Engineering –	A Nuclear Engineering Department Staff Member
*15) Nuclear Engineering –	A Nuclear Engineering Department Staff Member
*16) Meteorological Advisor –	Environmental Affairs Staff Meteorologist
17) NRC Representatives (5)	

* – NMPC Headquarters Support Staff 11

3.3 Operations Support Center (OSC)

3.3.1 Location – The on-site Operations Support Center is located in the Administrative Building lunch room areas on the 261' and 277' elevations. The OSC is in close proximity to the Radiation Protection Office, the emergency equipment storage cabinets, the Maintenance Shop, First Aid room, and the Decontamination Facility.

3.3.2 Function – The OSC is the area from which personnel and equipment necessary for the support of emergency operations can be dispatched (i.e., survey teams, damage control teams, fire/rescue/medical brigade).

3.3.3 Staffing

a. The OSC is activated during an Alert, Site Area, or General Emergency or when directed by the Emergency Director. In addition, during normal hours the OSC shall also be staffed for any situation requiring a Station Evacuation (see Figures 2, 3, 4).

b. The OSC coordinating positions shall be staffed by available first line supervisors or Chief Mechanics/Technicians by means of assignment or via designation by the Emergency Director.

The OSC organization shall include:

Position Title or Expertise	Typical Staffing	
1) OSC Coordinator	Maintenance Department Supervisor	
2) OSC Communicator	Maintenance Department Supervisor	
3) Personnel Accountability Coordinator	Maintenance Department Supervisor or Chief Mechanic/Electrician	11
4) Chemistry and Radiation Protection Team Coordinator	Chemistry and Radiation Protection Assistant Supervisor or Chief Tech.	
5) Damage Control Team Coordinator	Maintenance Department Supervisor or Chief Mechanic/Electrician	11
6) NMP Fire Dept. Coordinator	Fire Department Supervisor	

4.0 ACTIVATION OF ON-SITE EMERGENCY RESPONSE FACILITIES

NOTE: This section is not applicable to the Control Room as no special actions are required to activate the Control Room as an Emergency Facility.

4.1 Activation of Technical Support Center

4.1.1 The first TSC staff member to arrive shall unlock the TSC at the Document Control/Retrieval Room door using a GM5 or GM key obtainable from the Control Room, activate emergency ventilation system as per attachment 1, and enter name on Assignment Board and Accountability Log. The Document Control/Retrieval Room door is the primary entrance and exit to the TSC to ensure accountability of TSC personnel. All other doors should be used only as emergency exits. 11

4.1.2 As other TSC staff members arrive they should enter their name on the Accountability Log and take up assignments and perform the following tasks: 11

Technical Data Coordinator and staff - activate process computer terminals, control room camera, and prepare to activate TSC status boards.

4.1.2 (cont.)

Radiological Assessment Coordinator and staff - Make a general announcement prohibiting smoking, eating and drinking until habitability surveys have been completed. Perform TSC habitability surveys (i.e., turn on and check VAMP and CAM), make recommendations on TSC habitability and need for TSC emergency ventilation system to continue operation. Activate radio system and Meteorological/Dose Assessment computer. Ensure step off pad and monitors are set up at entrance to TSC technical library. 11

Communications Coordinator and staff - ensure hotlines, telecopiers and other communications equipment are ready for service.

4.2 Activation of Operations Support Center

4.2.1 As members of the Operations Support Center staff arrive, they will take up assignments according to their qualifications and perform their assigned tasks.

4.2.2 The first individual(s) to arrive at the OSC should ensure the following have been started:

1) Establish communications with the TSC (normal hours) or CR (off hours) as appropriate. Establishing communications includes telephone, radio (with backup) and gaitronics.

2) Ensure a general announcement is made prohibiting smoking, eating, and drinking until habitability surveys have been completed and found to be satisfactory. Ensure a radiation survey and air sample of OSC are started and that a stepoff pad and monitor is placed by the employee entrance.

3) Unpack and organize the OSC Emergency Operations Kit.

4) Move tables and chairs to the front and side of room for the OSC coordinators and staff (see Figure 9).

5) Place a sign from OSC Kit on the door utilized to enter the Administration Building lobby indicating that all individuals must utilize the employee entrance.

6) Place the names and positions of the OSC coordinating positions on the organization chart.

7) Inform the TSC when survey teams are assembled and ready to be dispatched.

8) Assure that the OSC Coordinator establishes his command post at the front of the room.

5.0 CONDUCT OF OPERATIONS AT ON-SITE EMERGENCY RESPONSE FACILITIES

5.1 Control Room Staff

5.1.1 Supervisory personnel assigned to the Control Room shall act as Emergency Advisors initially reporting to the Station Shift Supervisor. They will be briefed on plant status and corrective actions in progress. They will report through the Station Superintendent and act as technical advisors concerning actual or potential problems within their particular area of expertise/responsibility. They will analyze current and projected plant status and, through close communications and coordination with the TSC and Emergency Director, provide technical support and recommendations to emergency personnel. These personnel may provide backup to counterparts in the TSC to assure 24 hour per day coverage.

5.1.2 The Station Superintendent shall provide liaison between control room operating staff, Emergency Advisory staff, and the Site Emergency Director. Also, provide technical and administrative direction in accident assessment, and damage control operations. | 10

5.1.3 Operations personnel on duty or reporting to the Control Room shall, under the direction of the Chief Shift Operator or SSS, act to ensure the safe and proper operation of the plant including acts to mitigate off-normal conditions. They shall perform other activities as directed to assess plant conditions and correct problems.

5.1.4 The Station Shift Supervisor shall intially act as Emergency Director until relieved. As SSS he shall be responsible for direct supervision of operations personnel performing normal, off-normal or emergency actions in accordance with appropriate operating, special operating, or emergency operating procedures developed in response to the situation at hand.

5.2 Technical Support Center Staff

5.2.1 TSC General Rules of Conduct

General rules of conduct have been established for the Technical Support Center and are provided as Figure 6. All personnel in the TSC shall adhere to these rules. | 10

5.2.2 TSC Staff Emergency Responsibilities

a. A list of Emergency Responsibilities has been established in EAP-3 for each emergency position in the TSC with the exception of the Emergency Director which is provided by EAP-1.

5.2.2 TSC Staff Emergency Responsibilities (cont.)

b. The list of Emergency responsibilities contained in EAP-3 are outlined below:

EAP-3 Reference	Position
Enclosure 2	Station Superintendent
" 3	Technical Data Coordinator
" 4	I&C Coordinator
" 5	Reactor Analyst Coordinator
" 6	Communications Coordinator
" 7	Maintenance Coordinator
" 8	Radiological Assessment Coordinator
" 9	Environmental Survey/Sample Team Coordinator
" 10	Station Survey/Sample Team Coordinator
" 11	Meteorological Advisor
" 12	Security Coordinator
" 13	Public Information Coordinator
" 14	Engineering TSC Coordinator

10

5.3 Operations Support Center Staff

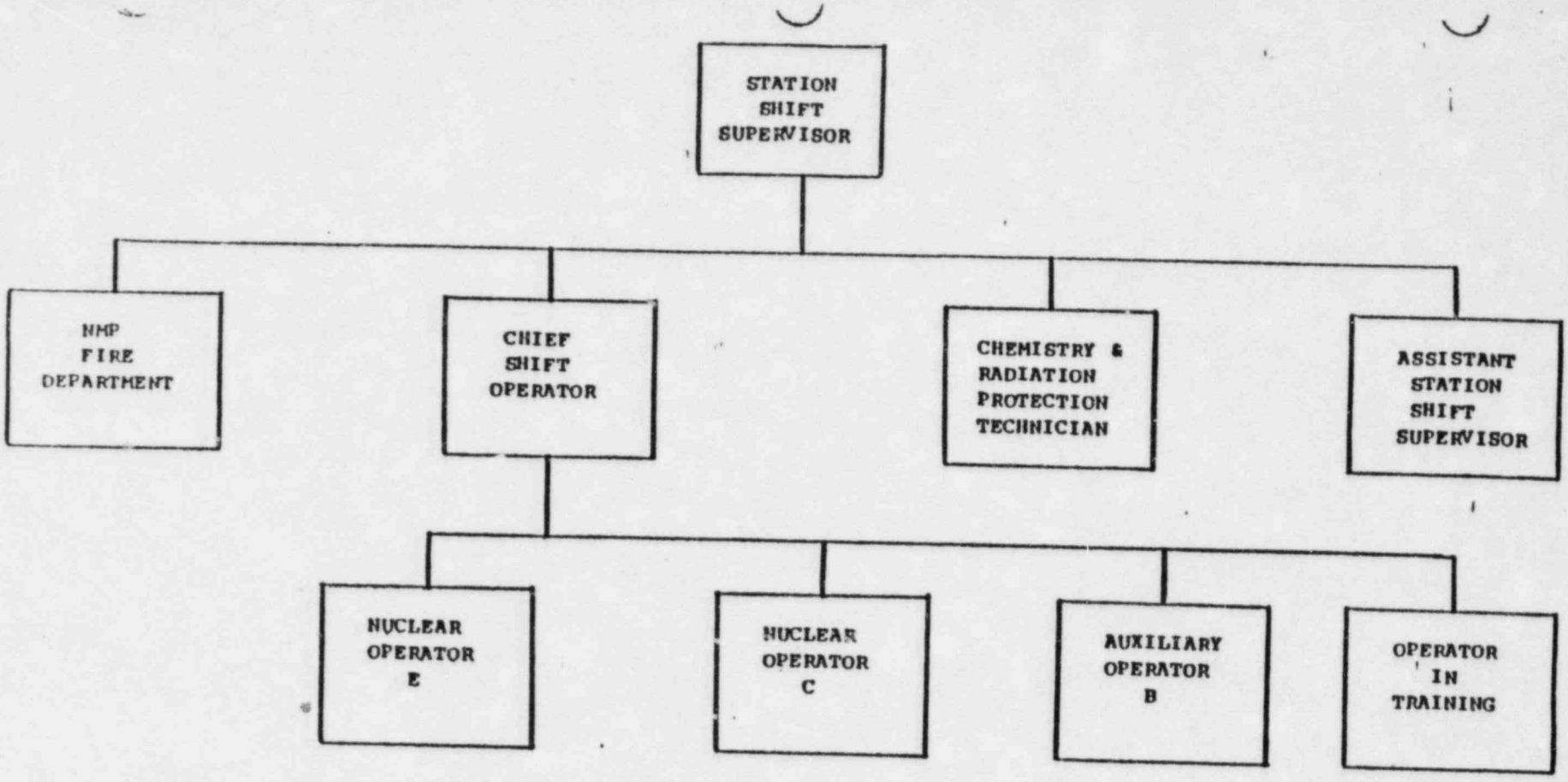
5.3.1 OSC General Rules of Conduct

General rules of conduct have been established for the Operations Support Center and are provided in Figure 7. All OSC coordinating positions shall adhere to these rules and ensure they are observed by other personnel in the OSC.

5.3.2 OSC Staff Emergency Responsibilities

a. A list of Emergency responsibilities are contained in EAP-3 and are outlined below:

EAP-3 Reference	Coordinating Position
15	OSC Coordinator
16	OSC Communicator
17	Personnel Accountability Coord.
18	Chemistry & Radiation Protection Team Coordinator
19	Damage Control Team Coordinator
20	NMP Fire Department Coordinator

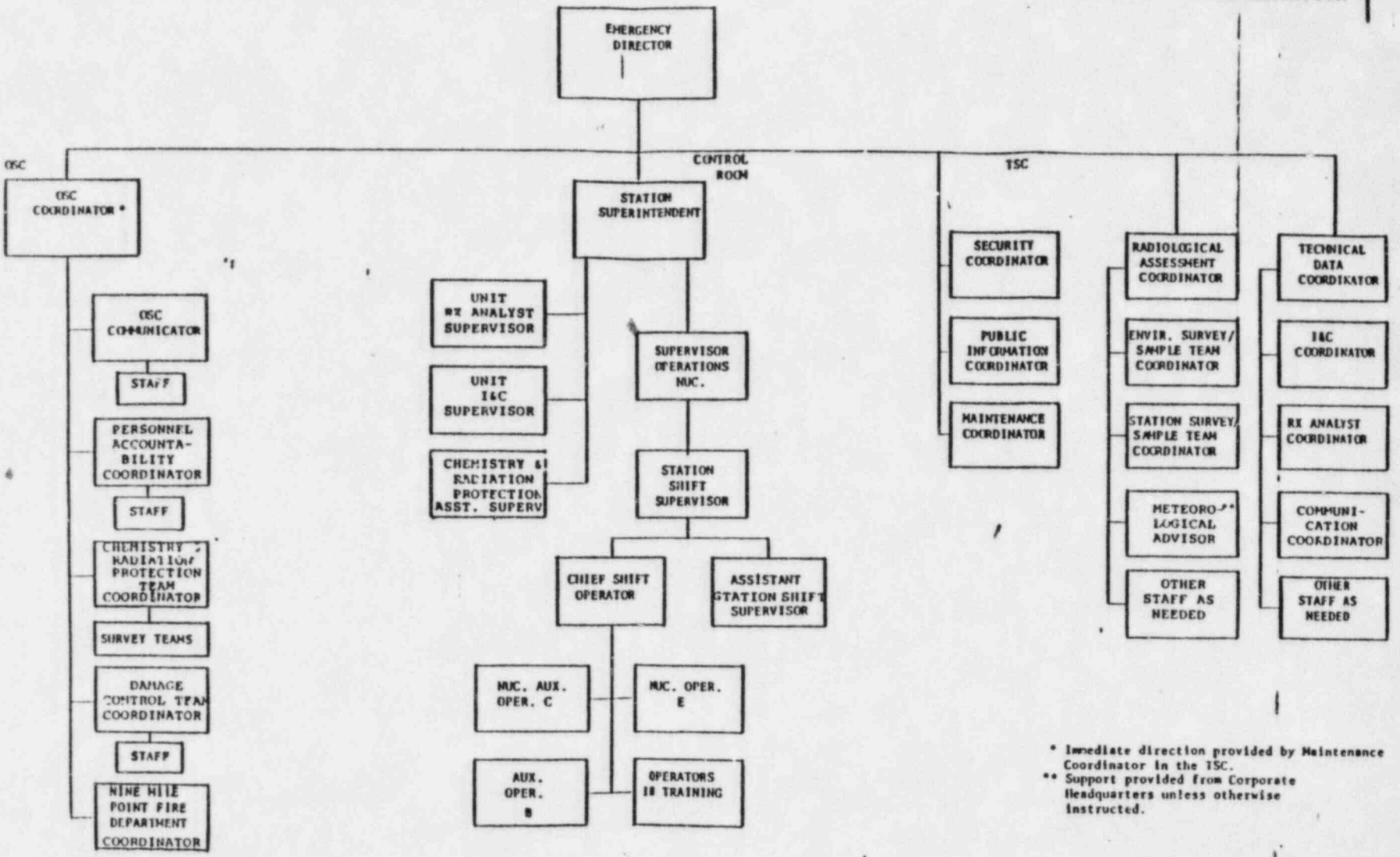


STAFFING LEVEL I - SHIFT AUGMENTATION

Figure 1

STAFFING LEVEL II - SITE AUGMENTATION

Figure 2



* Immediate direction provided by Maintenance Coordinator in the TSC.

** Support provided from Corporate Headquarters unless otherwise instructed.

STAFFING LEVEL III - CORPORATE AUGMENTATION

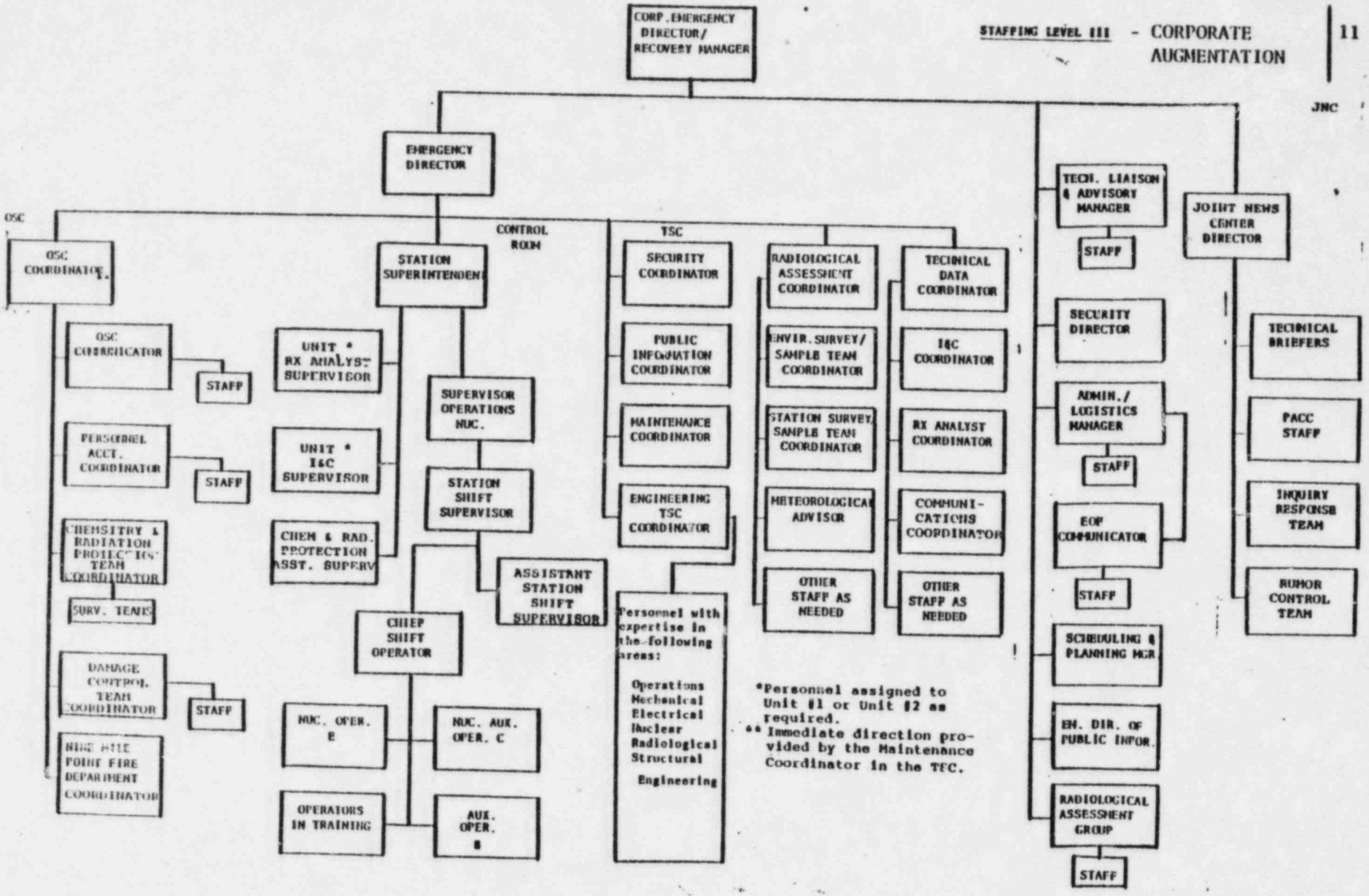


FIGURE 4

NMP EMERGENCY RESPONSE ORGANIZATION STAFFING AND ASSIGNED DUTIES

CONTROL ROOM

STAFFING	RESPONSIBILITIES
SSS on Duty Asst. SSS CSO Operators on Shift & in Training	Maintain constant communications with the TSC and at the direction of the Emergency Director perform actions necessary to reduce the severity of the emergency.
Station Superintendent	Provide liaison between control room Operating staff, Emergency Advisory staff, and the Site Emergency Director. Also, provide technical and administrative direction in accident assessment, and damage control operations.
Operations Supervisor	Perform emergency functions and maintenance. Also, provide technical advise.
Rx Analyst, Unit Supervisor I&C, Unit Supervisor Chem & Rad Prot. Asst. Supervisor	Assist Operations staff in accident assessment and damage control operations.

TECHNICAL SUPPORT CENTER

POSITION/EXPERTISE	TYPICAL STAFFING	RESPONSIBILITIES
Emergency Director	General Supt. Nuclear Gen. or ranking number	Direct emerg. operations
Technical Data Coord.	Technical Supt. or Tech. Services Supt.	Assist Director in collection
I&C Coord.	Site I&C Supvr. or an I&C Dept. Supvr.	Advise Director on I&C problems
Rx Analyst Coord.	Site Rx Analyst Supvr. or a RX Analyst Dept. Supvr.	Advise Director on core protection problems
Communications Coord.	Q.A. Supervisor or Q.A. Department Supvr.	Maintain TSC communications
Maintenance Coord.	Maintenance Supt. or Maint. Dept. Supvr.	Direct emerg. repair activities

FIGURE 4 (cont.)

TECHNICAL SUPPORT CENTER

POSITION/EXPERTISE	TYPICAL STAFFING	RESPONSIBILITIES
Radiological Assessment Coord.	Chem. & Rad. Mgt. Supt. or Chem. & Rad. Mgt. Supvr.	Overall radiological assessment
Environmental Survey/ Sample Team Coord.	Environmental Prot. Coord. or a Chem. & Rad. Mgt. Dept. Supvr.	Direct environmental sampling teams
Station Survey/ Sample Team Coord.	Chem. & Rad. Prot. Supvr. or a Chem. & Rad. Mgt. Dept. Supvr.	Direct inplant sampling teams
*Meteorological Advisor	Environmental Affairs Staff Meteorologist	Advise on Meteorology
Public Information Coord.	Supt. of Production NMP-2 or NMP-2 Operations Supvr. or SSS	Liason with PACC Dept.
Security Coordinator	Security Representative	Liason to Emerg. Dir. on security matters
*Mechanical Eng.	A Nuclear Engineering Department Staff Member	Corporate Advisors to the Emergency Director
*Electrical Eng.	A Nuclear Engineering Department Staff Member	"
*Nuclear Eng.	A Nuclear Engineering Department Staff Member	"
*Operations Eng.	A Nuclear Engineering Department Staff Member	"
*Structural Eng.	A Nuclear Engineering Department Staff Member	"
*Radiological Eng.	A Nuclear Engineering Department Staff Member	"

*NMPC Corporate Staff personnel will respond to an Alert, Site Area Emergency, General Emergency or when requested by the Emergency Director.

FIGURE 4 (cont.)

OPERATIONS SUPPORT CENTER

Position	Staffing	Responsibilities	
OSC Coordinator	A Maintenance Department Supvr.	Direct OSC operations	
OSC Communicator	A Maintenance Department Supvr.	Maintain OSC communication	
Personnel Accountability Coordinator	A Maintenance Department Supvr. or Chief Mechanic/Electrican	Account for station personnel	11
Chem. & Rad. Prot. Team Coordinator	Chemistry & Radiation Protection Assistant Supervisor or Chief Technician	surveys, sampling	
Damage Control Team Coordinator	A Maintenance Department Supervisor or Chief Mechanic/Electrician	repair and damage control	11
NMP Fire Dept. Coordinator	A Fire Department Supervisor	Fire/Rescue/Medical Brigade	

NOTE: 1) In the absence of the General Superintendent Nuclear Generation, the ranking member present will act as Emergency Director.

2) The Emergency Director will assign duties in the absence of the person usually occupying the position (using approved personnel lists in EPP-11).

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FIGURE 5

TYPICAL TECHNICAL SUPPORT CENTER ARRANGEMENT

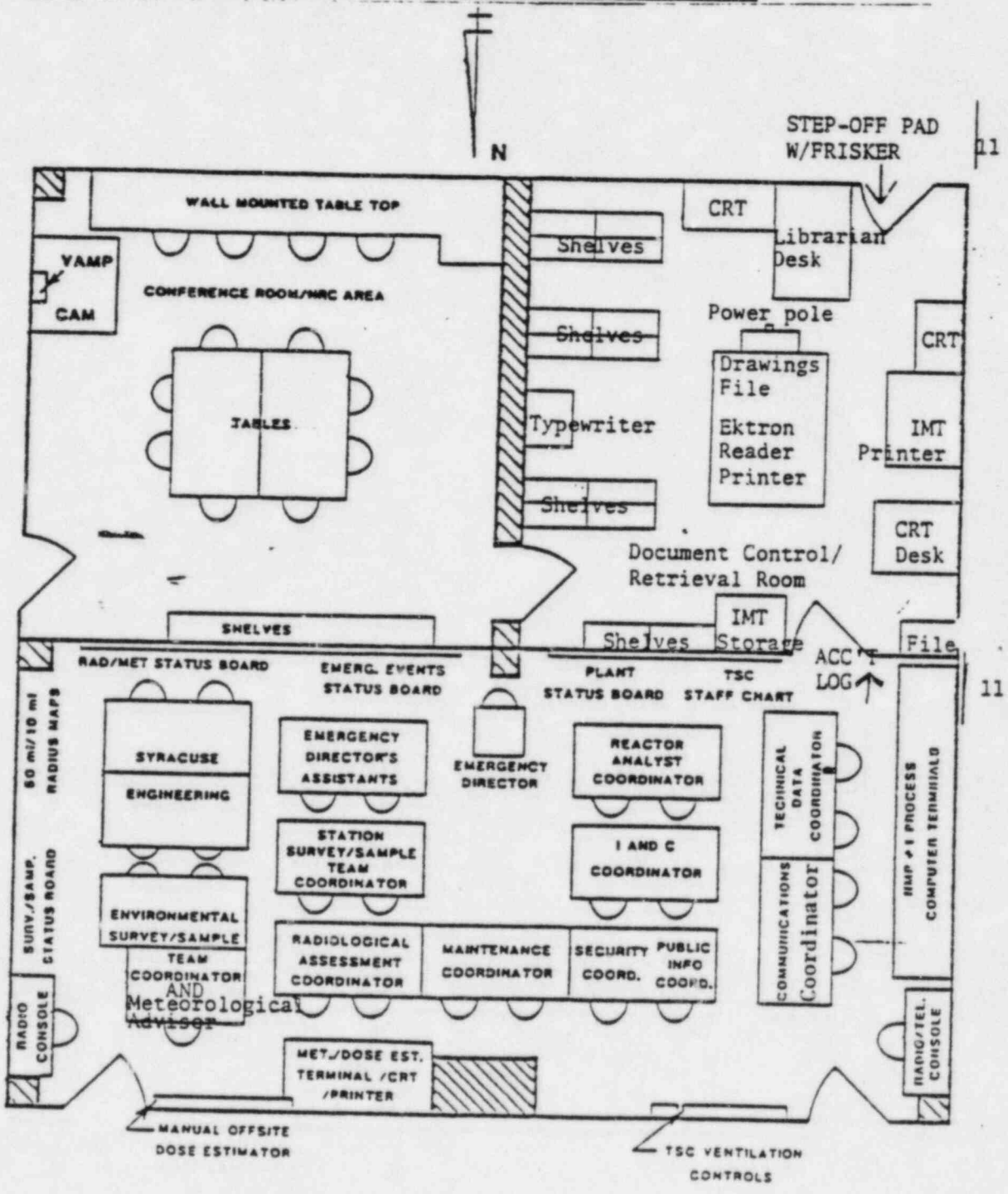

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FIGURE 6

TECHNICAL SUPPORT CENTER GENERAL RULES OF CONDUCT

This figure provides a listing of general rules of conduct for the TSC. All personnel in the TSC shall adhere to these rules.

1. The first TSC staff member to arrive shall perform the following:

   a. Unlock the TSC at the Document Control/Retrieval Room door using a GM5 or GM key obtainable from the control room.

   b. Activate the TSC emergency ventilation system (refer to EPP-13 Attachment 1 for its operation).

   c. Enter name on Assignment Board.

   d. No smoking, eating or drinking will be allowed until habitability surveys have been completed and announced to be satisfactory. 11

2. Other TSC staff members to arrive should take up assignments and perform the following:

   a. Technical Data Coordinator and staff - Activate process computer terminals, Control room camera and prepare to activate TSC Status boards.

   b. Radiological Assessment Coordinator and staff - Make general announcement prohibiting smoking, eating, and drinking until habitability surveys have been completed and found to be satisfactory. Perform habitability surveys (i.e., turn on and check VAMP and CAM), make recommendations on TSC habitability and need for TSC emergency ventilation system to continue operation. Activate radio system and Meterological Dose Assessment computer. Request OSC to establish a step-off pad at entrance to TSC. 11

   c. Communications Coordinator and staff - Ensure hotlines, telecopiers and other communications equipment are ready for service.

3. Personnel filling designated staff positions in the TSC shall place their names in the appropriate box on the Assignment Board. When relieved, assure the relieving individuals name is placed in the appropriate box.

4. All individuals entering and exiting the TSC shall log in and out with the Technical Data Coordinator or his designee. An example of the entrance log to be utilized is shown as Figure 10.

FIGURE 6 (Cont'd)

5. Record and disburse all messages received or transmitted as follows:

   a. Incoming Messages

      All messages received from outside the TSC shall be recorded on triplicate forms which are provided in the TSC emergency operations kit and disbursed as follows:

      1st copy - To appropriate TSC staff member for action
      2nd copy - To Technical Data Coordinator for status logging
      3rd copy - To be retained by message taker

   b. Outgoing Messages

      All outgoing messages from the TSC shall be recorded on triplicate forms which are provided in the TSC emergency operations kit and disbursed as follows:

      Step 1

      1st and 2nd copy - To appropriate TSC staff member for response

      3rd copy - To be retained by message originator

      Step 2

      1st copy - To message originator with response and for status logging if necessary.

      2nd copy - To be retained by appropriate TSC staff member providing response.

6. When you receive a message, (e.g., copy of the triplicate message form), take appropriate action required and also initial the message to signify you have acknowledged its receipt.

7. Periodically inform the Emergency Director (directly or through the individual to whom you report of actions/assessments/results within your area of responsibility.

8. Periodically review the various status boards within the TSC. Verify that information relative to your area of responsibility is up to date and correct.

FIGURE 6 (Cont'd)

9. Periodically assess personnel requirements:

   a. Determine if sufficient personnel are on hand (e.g., are in the Operations Support Center) to provide any assistance you may anticipate. Have additional personnel called in if necessary.

   b. If it appears that the emergency may be protected, (i.e., may require shift-type coverage) determine if sufficient personnel are available to provide for continuous 24-hour coverage and set up a duty rotation system. Notify appropriate personnel of their duty schedules.

   c. Utilize the approved personnel lists of EPP-11 when selecting/assigning personnel.

   d. If additional personnel are required, (e.g., JAFNPP, consultants, etc.) coordinate through the Emergency Director to obtain these people.

10. The document control system can be accessed through the document control terminal, located adjacent to the TSC.

11. If additional materials/parts/supplies/etc. are required beyond availability at the station, requests should be coordinated through the Emergency Director to the Administrative/Logistics Manager in the Emergency Operations Facility (if activated).

12. If necessary, food will be periodically provided through the Administrative/Logistics Manager (in the EOF if activated).

13. A calm professional atmosphere shall be maintained at all times.

FIGURE 7

OPERATIONS SUPPORT CENTER GENERAL RULES OF CONDUCT

This figure provides a listing of general rules of conduct for the OSC. All personnel staffing OSC coordinating positions shall adhere to these rules and assure they are observed by other personnel in the OSC.

1. As members of the Operations Support Center arrive, they will pick up their appropriate assignment binders from the OSC Operations Kit and perform the assigned tasks. No smoking, eating or drinking will be allowed until habitability surveys have been completed and announced as being satisfactory. 11

2. The first individual(s) to arrive at the OSC should ensure the following have been started:

   a. Establish communications with the TSC (normal hours) or CR (off hours) as appropriate. Establishing communications includes telephone, radio (with backup) and gaitronics.

   b. Ensure a general announcement is made prohibiting smoking, eating, and drinking until habitability surveys have been completed and found to be satisfactory. Ensure a radiation survey and air sample of OSC are started and that a stepoff pad and monitor is placed by the employee entrance. 11

   c. Unpack and organize the OSC Emergency Operations Kit.

   d. Move tables and chairs to the front and side of room for the OSC coordinators and staff as per EPP-13 Figure 9.

   e. Place a sign on the door utilized to enter the Administration Building lobby to the OSC area indicating that all individuals must utilize the employee entrance.

   f. Place the names and positions of the three OSC Coordinators on the organization chart.

   g. Inform the TSC when the survey teams are assembled and ready to be dispatched.

   h. Assure that the OSC Coordinator establishes his command post at the front of the room.

3. Personnel filling designated staff positions in the OSC shall ensure that their name/position is identified on the Organization Board.

4. All individuals entering and exiting the OSC shall log in and out with the OSC Coordinator or his designee. An example of the entrance log to be utilized is shown as Figure 10.

FIGURE 7 (Cont'd)

5. Record and disburse all messages received or transmitted as follows:

   a. Incoming Messages

   All messages received from outside the OSC shall be recorded on triplicate forms which are provided in the OSC emergency operations kit and disbursed as follows:

   Step 1

   1st and 2nd copy - To appropriate OSC staff member for response

   2nd copy - To OSC Coordinator

   3rd copy - To be retained by message taker

   b. Outgoing Messages

   All outgoing messages from the OSC shall be recorded on triplicate forms which are provided in the OSC emergency operations kit and disbursed as follows:

   Step 1

   1st and 2nd copy - To appropriate OSC staff member for response

   3rd copy - To be retained by message originator

   Step 2

   1st copy - To message originator with response and for status logging if necessary.

   2nd copy - To be retained by appropriate OSC staff member providing response.

6. When you receive a message (e.g., copy of the triplicate message form), take appropriate action required and also initial the message to signify you have acknowledged its receipt.

7. Periodically assess personnel requirements in consultation with appropriate coordinators in the TSC.

8. Keep the OSC Coordinator appraised of actions/assessment/results within your area of responsibility.

FIGURE 7 (Cont'd)

9. If necessary, food will be periodically provided through the Administrative/Logistics Manager (in the Emergency Operations Facility if activated).

10. A calm, professional atmosphere shall be maintained at all times.

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EMERGENCY RESPONSE / RECOVERY ACTION LOG

Position_____ Person_____

Date/Time	Actions/Requests	Assignments	Action Completion	Comments

EPP-13, FIGURE 9

OSC ARRANGEMENT

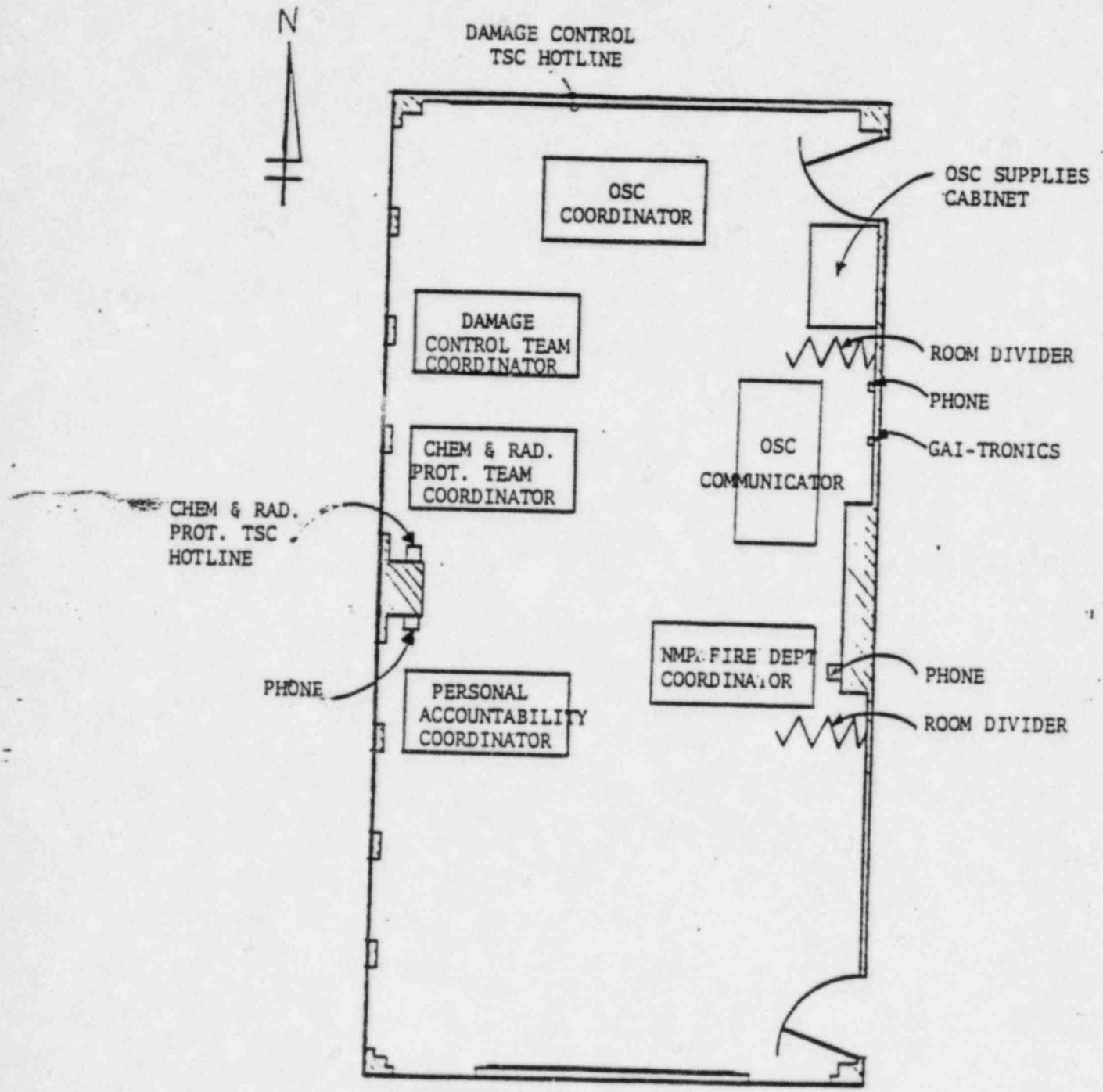

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FIGURE 10

ACCOUNTABILITY LOG

11

Name	Dept/Company	Time-In	Time-Out	Destination

Attachment 1

TECHNICAL SUPPORT CENTER EMERGENCY VENTILATION OPERATION PROCEDURE

This attachment provides the procedure for operation of the TSC Emergency Ventilation System.

1.0 SYSTEM DESCRIPTION

Normal ventilation for the Technical Support Center is provided by the new Administration Building HVAC system. In the event of air contamination in the Administration Building, the outside air supply must be transferred to the TSC Emergency Ventilation System which is independent from the normal Administration Building HVAC system. The outside air supply must be continued to establish and maintain a positive pressure within the TSC. This outside air will be supplied by one full capacity fan which then passes through a HEPA and charcoal filter train. 10

The TSC Emergency Ventilation system is designed to provide air at a rate of approximately 2000 SCFM. A positive pressure of approximately .125 inches of water is to be maintained within the TSC relative to the immediate surroundings (while the system is in operation) in order to prevent infiltration of potentially contaminated air. Doors are weather-stripped and penetrations are sealed to aid in maintaining the positive pressure. This pressure is maintained by the exhaust damper modulating to keep the space at .125 inches of water. Ductwork distributes air to various areas of the TSC (including the area above the ceiling of the TSC and the rooms adjacent to the TSC; namely, the NRC Operations Room and Site Library). Heating in the TSC is provided by thermostatically controlled ventilation duct heaters. Air cooling is provided by one air-cooled condensing unit on the inlet to the TSC.

Ventilation flow through the System during operation is as follows:

> Air enters the System through a louvered intake after which it passes through the supply damper to the supply fan. Air then passes through a duct heater (used for humidity control) and on to the filter train. The filter train comprises of a pre-filter, HEPA filter, charcoal filter and a second HEPA filter. Air then passes through the single ventilation cooler and air duct heaters.

The system components are controlled remotely from the TSC Emergency Ventilaiton Control Panel located in the TSC.

2.0 Initiate System Start

2.1 Check Emergency Ventilation system "POWER ON" "Red" indicator light is on. If not, push and release "Green" "POWER RESET" push button and "POWER ON" "Red" indicator light should come "ON".

2.2 Push and release "Red" "VENT SYSTEM START" pushbutton. Check "VENT SYSTEM ON" "Red" indicator light is "ON".

3.0 Allow system to stabilize (approximately 10 minutes)

3.1 Check "INLET AIR DAMPER D1" "OPEN" "Red" indicator light is "ON"; "CLOSED" "Green" indicator light is "OFF".

3.2 Check "Supply Air Fan", "FAN ON" "Red" indicator light is "ON".

3.3 Check damper D4 "OPEN" "RED" indicator light is "ON"; "CLOSED" "Green" indicator light is "OFF".

3.4 Check "EXISTING SUPPLY DAMPER D5" "CLOSED" "Green" indicating light is "ON"; "OPEN" "Red" indicating light is "OFF".

3.5 Check "Damper D2" "OPEN" "Red" indicator light is "ON"; "CLOSED " "Green" indicator light is "OFF".

3.6 Check "EXISTING SUPPLY DAMPER D3"; "CLOSED" "Green indicator light is "ON"; "OPEN" "Red" indicator light is "OFF".

3.7 Check "Air Flow" "ON" "Red" indicator light is "ON".

3.8 Check "EXISTING SUPPLY DAMPER D6" "CLOSED" "Green" indicating light is "ON"; "OPEN" "Red" indicating light is "OFF".

4.0 NORMAL OPERATION

The TSC Emergency Ventilation System rerquires little operator action during operation. However, the control panel should be checked regularly during operation to ensure continued proper operation.

NOTE: To maintain TSC positive pressure, all outside entrance doors to the TSC and adjoining rooms should be kept closed as much as possible.

5.0 SHUTDOWN PROCEDURE

After it has been determined that continued operation of the system is no longer necessary, the system may be secured by depressing the green "Vent System Off" pushbutton (on the Control Panel). This will secure the system supply fan, air cooler, and duct heaters. It will also open/close appropriate dampers to allow resumption of normal HVAC. Then push Red "POWER OFF" pushbutton to reset all relays.

5.0 (cont.)

PROCEDURE FOR CORRECTING ALARM CONDITIONS

1. Annunciator Location: TSC Emergency Ventilation Control Panel

   Annunciator Title: Differential Pressure Switches-Zone 1, 2, 3, or 4

A. Alarm Contacts: Zone 1 - 212-09
Zone 2 - 212-11
Zone 3 - 212-13
Zone 4 - 212-15

Computer Input: No Input to Process Computer

CORRECTIVE ACTIONS

1. Alarm indicates high dP across the respective filter.
2. Determine and correct cause of high dP.

G. PROCEDURE FOR CORRECTING ALARM CONDITIONS (Cont.)

2. Annuniator Location: TSC Emergency Ventilation Control Panel

   Annunciator Title: Air Flow

   A. Alarm Contacts: 212-03

   Computer Input: No Input to Process Computer

   CORRECTIVE ACTIONS

   1. Alarm indicates low inlet air flow.
   2. Check that inlet damper 212-02 is OPEN
   3. Check zones 1-4 dP
   4. Check supply fan is operating properly
   5. Check that all duct heaters have tripped
   6. Determine and correct cause of low inlet air flow

3. Annunciator Location: TSC Emergency Ventilation Control Panel

   Annunciator Title: High Humididty

5.0 (cont.)

A. Alarm Contacts: 212-07

Computer Input: No Input to Process Computer

CORRECTIVE ACTION

1. Alarm indicates inlet air high humidity
2. Check heater 212-04 is energized
3. Determine and correct cause of high humidity

4. Annunciator Location: TSC Emergency Ventilation Control Panel

Annunciator Location: Thermal Detection Panel

A. Alarm Contacts: 212-16 ("Pre-alarm")

Computer Input: No Input to Process Computer

CORRECTIVE ACTIONS

1. Alarm indicates high temperature in charcoal filter
2. Check supply fan tripped
3. Determine and correct cause of "Pre-alarm"

B. Alarm Contacts: 212-16 ("Alarm")

1. Alarm indicates increased high temperature in charcoal filter
2. Determine and correct cause of high temperature "Alarm"

C. Alarm Contacts: 212-16 ("Trouble")

1. Alarm indicates increased high temperature in charcoal filter
2. Check SPRAY WATER "Flowing" indicator light is ON
3. Determine and correct cause of "Trouble" alarm

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5.0 (cont.)

5. Annunciator Location: TSC Emergency Ventilation Control Panel

Annunciator Title: Ionization Detector Alarm

A. Alarm Contacts: Ion #1, #2

Computer Input: No Input to Process computer

CORRECTIVE ACTIONS

1. Alarm indicates smoke or fire in Penthouse
2. Notify Control Room of alarm condition
3. Determine and correct cause of alarm

NINE MILE POINT NUCLEAR STATION

EMERGENCY PLAN AND PROCEDURES

PROCEDURE NO. EPP-10

EMERGENCY EQUIPMENT INVENTORIES AND CHECKLISTS

FOR INFORMATION ONLY

APPROVALS	SIGNATURES	DATE AND INITIALS REVISION 7	REVISION 8	REVISION 9
Chemistry & Radiation Management Superintendent E. W. Leach	E W Leach	8/16/82 EWL	4/30/83 EWL	6/2/83 EWL
Station Superintendent NMPNS T. W. Roman	T W Roman	8/19/82	5/2/83	6/2/83
General Superintendent Nuclear Generation Chairman of S.O.R.C. T. J. Perkins	T J Perkins	8/17/82 TJP	5/2/83 TJP	6/2/83 TJP

Summary of Pages

Revision 9

Page	Date
i, ii , 1-78	May 1983

NIAGARA MOHAWK POWER CORPORATION

*Proprietory information. For contorlled copies only.

THIS PROCEDURE NOT TO BE USED AFTER May 1985, SUBJECT TO PERIODIC REVIEW.

EPP-10

EMERGENCY EQUIPMENT INVENTORIES AND CHECKLISTS

EMERGENCY EQUIPMENT INVENTORIES AND CHECKLISTS (cont.)

9

EPP -10

EMERGENCY EQUIPMENT INVENTORIES AND CHECKLISTS

1.0 PURPOSE

The purpose of this procedure is to provide a mechanism for ensuring that emergency equipment necessary to implement the emergency plan is maintained.

2.0 RESPONSIBILITIES

The overall responsibility for coordinating the inventory and maintenance of all emergency equipment required per the Site Emergency Plan and Procedures rests with the Emergency Planning Coordination. In this effort the Emergency Planning Coordinator will be aided by the Fire Protection Supervisor, Nuclear Generation Storeroom Supervisor, and the Chemistry and Radiation Protection Supervisor.

The Fire Protection Supervisor is responsible for ensuring the maintenance and inventory of all fire and medical related equipment.

The Nuclear Generation Storeroom Supervisor is responsible for ensuring the inventory of all damage repair supplies stored in the storeroom for emergency planning purposes.

The Chemistry and Radiation Protection Supervisor is responsible for ensuring that personnel are mode available to inventory, maintain, and calibrate all radiological related emergency planning equipment.

3.0 INVENTORIES

The emergency equipment inventory checklists should be completed by the assigned persons and returned to the Emergency Planning Coordinator who will review each, sign and file it with the Site Radiation Protection records. Inventories shall be performed within ±25% of the inventory frequency designated. Discrepancies shall be corrected, or action initiated to correct them (in the case of equipment which must be ordered), within 96 hours. Resolution of the discrepancy shall be noted on the checklist. When revisions are made to inventory checklists, designated inventories should be brought into compliance within three months (time allowance for delivery of new equipment). The person performing an inventory or test shall sign and date the checklist to indicate its presence and/or satisfactory condition. In the case of an unsatisfactory condition, a note shall be made on the checklist indicating the corrective aciton taken.

3.1 Equipment Locations and Inventory Frequency

3.1.1 Fire Cabinet Locations - 8

Eight fire cabinet locations shall be maintained. The station shall have fire cabinets at the following locations:

#1 - Entrance to Turbine Building, Elevation 261'
#2 - Reactor Building, Elevation 261'
#3 - Entrance to Off-Gas Building, Elevation 261'
#4 - Reactor Building Elevation 237' SE Corner, in enclosed stairwell
#5 - Turbine Building - Elevation 277' SE Corner
#6 - Turbine Building - Elevation 300' SE Corner
#7 - Administration Building - Locker Room
#8 - Screenhouse - Elevation 256' SW Corner

Fire cabinet locations 1, 2 and 3 will use NMP Emergency Equipment Checklist #EPP-10 Figure 1. Fire cabinet locations 4, 5, 6, 7 and 8 will use NMP Emergency Equipment Checklist EPP-10 Figure 2.

The Fire Cabinets shall be checked at least once per calendar quarter and whenever a door seal is found to be broken. (Scott Air Paks are checked monthly, per Section 3.2.4. Seals shall be replaced at this time.)

3.1.2 Ambulance and Fire Kit - 1

One Ambulance and Fire Kit shall be maintained on-Site, located in the security building. The Ambulance and Fire Kit shall be checked at least once per calendar quarter and whenever a seal is found to be broken using figure 3. The film badges shall be used for firemen and ambulance attendants. The remaining equipment is used for personnel and ambulance contamination control.

3.1.3 Rescue Cabinet - 1

One Rescue Cabinet shall be maintained on-site, located in the maintenance shop. The Rescue Cabinet shall be checked at least once per calendar quarter and whenever a cabinet door seal is found to be broken using figure 4. The rescue cabinet shall be used by the rescue brigade in extricating trapped personnel.

3.1.4 Downwind Survey Kits - 2

Two Downwind Survey kits shall be kept in a cabinet located in the Operations Support Center Area for use in performing environmental surveys onsite and offsite.

The kits shall be checked at least once per calendar quarter and whenever the cabinet door seal is found to be broken using figure 5.

3.1.5 In-plant Survey Kit - 2

Two In-plant Survey kits shall be kept in a cabinet located in the Operations Support Center Area for use in performing emergency surveys and monitoring within the station.

The In-plant Survey kits shall be checked at least once per calendar quarter and whenever a cabinet door seal is found to be broken per figure 8.

3.1.6 Nearsite EOF Emergency Survey Kit - 1

One nearsite emergency survey kit shall be kept in the Nearsite Emergency Operations Facility (NMPC Energy Information Center). The nearsite EOF Emergency survey Kit shall be checked at least once per calendar quarter and after each use per figure 14. It provides a supplemental source of equipment to emergency personnel and enables emergency personnel to report directly to the EOF rather than the OSC should conditions make this facility uninhabitable.

3.1.7 Alternate EOF Emergency Kit - 1

One off-site Emergency kit shall be kept in the alternate Emergency Operations Facility (the NMPC Oswego Service Center). The alternate EOF Emergency kit shall be checked at least once per calendar quarter and after each use per figure 6. It too provides a supplemental source of equipment to emergency personnel and enables personnel to report directly to this facility for assignment should other facilities become unavailable.

3.1.8 Emergency Vehicle Kit - 1

One Emergency Vehicle Kit shall be maintained in the Chemistry and Radiation Management emergency on-call vehicle. The Emergency Vehicle Kit shall be checked at least once per calendar quarter and after each use per figure 15. In addition to this kit are AC inverters and mobile radios installed in the Chemistry and Radiation Management on-call vehicle, Chemistry and Radiation Management Environmental vehicle, and Operations On-Call vehicle. The Technical Services vehicle is equipped with a mobile radio. This equipment shall be checked at least once per calendar quarter as per Figure 15.

3.1.9 Oswego Hospital Nuclear Emergency Cabinet - 1

One Nuclear Emergency Cabinet shall be kept at the Oswego Hospital*

The emergency cabinet at the Oswego Hospital shall be checked at least once per calendar quarter and after each use per figure 7.

*Proprietory information. For controlled copies only.

3.1.10 Contaminated Patient Carrier - 1

One Contaminated Patient Carrier shall be kept under the stairs in the Operations Support Center Area. The Contaminated Patient Carrier shall be checked at least once per calendar quarter and after each use per figure 9.

3.1.11 First Aid Supplies

Three sources of first aid supplies kits are maintained at the plant: "First Aid Room Supplies," "Basic First Aid Kits" and "Trauma Kits." All first aid supplies shall be checked at least once per month using Figure 10. The First Aid Room Supplies outlined in Figure 10, Section I shall be maintained in the Administration Bldg. El. 261' First Aid Room. Basic First Aid Kits outlined in Figure 10, Section II shall be maintained at the Turbine Bldg. El. 300' Fire Cabinet, Off Gas Bldg. El. 261' fire cabinet, Control Room El. [illegible]7' and Fire Trailer #34. Trauma kits outlined in Figure 10, Section III shall be maintained at the Turbine Bldg. El. 261' fire cabinet, Reactor Bldg. El. 261' fire cabinet, screenhouse El. 261' fire cabinet, and the First Aid Room - Administration Bldg. El. 261'. 9

3.1.12 Decontamination Kits - 4

Decontamination supplies are located in the Personnel Decontamination Room Supplies Kit (OSC), Portable Emergency Decontamination Kit (OSC), NMP-2 Safety Office, AEOF. These kits contain decontamination supplies, radiological monitoring equipment, and supplies for contamination control. These kits shall be inventoried at least quarterly and after each use. 9

3.1.13 Security Building Emergency Kit - 1

One Security Building emergency kit shall be kept in the station security building for providing respiratory protection and protective clothing to security personnel during a radiation emergency.

The Security Building kit shall be checked at least once per quarter and after each use per figure 11.

3.1.14 Emergency Center Operations Kit - 3

An Emergency Center Operations kit shall be kept in each of the emergency centers (TSC, Near site EOF and Alternate EOF). The Emergency Center Operations kits shall be checked at least once per calendar quarter and after each use per figure 13. It shall be used to supply emergency personnel with the necessary equipment, stationery supplies and manuals needed to perform their assigned tasks.

3.1.15 NMP Unit #2 Emergency Kit - 1

A kit consisting of radiological monitoring supplies shall be kept on the NMP Unit #2 site. This kit shall be checked at least once per calendar quarter and after each use using Fig. 20. It provides monitoring equipment for evaluating personnel contamination during an evacuation of the Unit #2 site.

3.1.16 Emergency Communications Systems

Dedicated telephone lines and base station radios interconnectng emergency response facilities and providing links with governmental agencies shall be tested at least monthly using Figure 18 to ensure continuity of communications during emergency conditions.

3.1.17 Control Room Emergency Procedures Checklist Bin - 1

One Emergency Procedures Checklist bin containing selected checklists shall be maintained in the control room. The checklists shall be checked at least once per quarter and after each use per figure 12.

3.1.18 Environmental Offsite Dose Estimate Cabinet - 4

An Environmental Offsite Dose Estimate Cabinet shall be maintained at each of the following emergency response facilities: (Control Room, TSC, EOF & AEOF).

The Dose Estimate Cabinet shall be checked at least once per calendar quarter and after each use per figure 16.

3.1.19 Operations Support Center Kit - 1

An Operations Support Center Kit shall be kept in a cabinets located in the Operations Support Center Area. The OSC Kit shall be checked at least once per calendar quarter & whenever the cabinet door seal is found to be broken using Fig. 17.

It shall make available the necessary stationery supplies, manuals, and monitoring equipment needed to establish the Operations Support Center during an emergency.

3.1.20 Emergency TLD's

Thirty three (33) TLD's are located at various locations surrounding the site (see Figure 21). Two additional TLD's are kept in a lead pig for control purposes. Emergency TLD's are used to assist in assessing radiological conditions in the environment after an emergency condition involving a radioactive release. Emergency TLD's shall be replaced once per calendar quarter using Figure 21.

3.1.21 Damage Repair Equipment

Damage Repair Supplies are located in the storeroom to supplement station needs during emergency damage repair operations. These supplies shall be checked at least once per calendar quarter and after each use using Fig. 24. 9

3.2 Inventory Procedure

The equipment in each emergency kit shall be checked to ensure it is in proper working condition, by a person designated by the Emergency Planning Coordinator, in the following manner.

3.2.1 Batteries

All equipment containing non-rechargable batteries, (flashlights, dosimeter chargers, radios, etc.) shall be replaced regularly: carbon batteries every 6 months, alkaline and mercury batteries every 12 months. In addition, batteries shall be replaced as found necessary. All battery replacement should be noted on the appropriate checklist.

3.2.2 Survey Instruments

All survey instruments shall be checked to ensure calibration due date has not expired. In the space provided on the appropriate checklist, the serial number and calibration due date of the instrument shall be recorded. (Instrument calibration schedules are independent of equipment inventories.)

A response check shall be performed on all instruments using a check source to ensure proper operation since calibration. The acceptable response range will be marked on the source. This check will be performed on one decade and shall be noted as satisfactory on the appropriate checklist.

3.2.3 Portable Radios and Base Stations

Portable radios and base stations shall be checked for operation by sending and receiving a test message with another radio operating on the same channel. The checklist shall be completed, verifying the proper operation of the radio along with any battery replacement found to be necessary (see 3.2.1).

3.2.4 Self-contained Breathing Apparatus

All self-contained breathing apparatus used for emergency purposes shall be checked on a monthly basis per the procedure outlined in S-RTP-62 and information recorded on figure 19. This shall include checking tank hydrostatic testing dates and regular inspection and/or overhaul dates to ensure they have not exceeded five years. In addition, all self-contained breathing apparatus equipped with Voice paks shall have these devices checked for operability. All Voice Pak batteries shall be replaced regularly (see 3.2.1).

3.2.5 Charcoal Cartridge Respirators

All charcoal cartridge respirators used in emergency kits shall be checked per the applicable portions of S-RTP-62. Replacement of any outdated cartridges shall be noted on the checklist. Expiration dates of cartridges shall be noted.

3.2.6 Dosimeters - Film Badges

Self-reading dosimeters shall be read to check for proper range, drift, and then re-zeroed. Those having drifted greater than 20% of scale will be replaced with recently calibrated dosimeters of the same range. Dosimeter charger batteries shall be replaced regularly (see 3.2.1) and recorded on the appropriate checklist. Film badges shall be processed and replaced with fresh film each quarter. Numbers of the film badges shall be noted on a Film Badge Issue Sheet placed with the film badges and film date recorded on Checklist. Dosimeter calibration due date will also be recorded on appropriate checklists.

3.2.7 Air Samplers

Each air sampler shall be run for at least 5 minutes fully loaded with charcoal cartridge and particulate filter paper. Satisfactory run of each sampler and the date samplers are due to be calibrated should be noted on checklist.

3.2.8 Decontamination Supplies and Solutions

Decontamination supplies subject to deterioration, such as chemical or water solutions, should be replaced at least every two years. Any bottles or containers should be checked for leakage and replaced if any is detected. Bottles should be dated, and date recorded on checklists.

3.2.9 Rubber Equipment

All rubber equipment should be checked for cracking. It should be stretched (if practical) to check for soundness. Any equipment found to be defective should be replaced. The condition of the equipment should be noted on the appropriate checklist.

3.2.10 Cloth Equipment

Any cloth equipment which appears to be ripped, torn or soiled should be replaced. The condition of the equipment should be noted on the appropriate checklist.

3.2.11 Mechanical Equipment

Moving parts of any mechanical equipment (such as jacks, bolt cutters, etc.) should be checked to see that they move freely. Defective equipment should be replaced. Operation should be noted on the appropriate checklist.

3.2.12 Paper Equipment

Paper equipment should be checked for condition. Any that appears to be deteriorated should be replaced. The condition of the equipment should be noted on the appropriate checklist.

3.2.13 Maps, Lists, Copies of Procedures, Etc.

All maps, lists, copies of procedures should be checked to see that they are current, in good order and replaced, if necessary. The revision number and date of any procedures should be noted on the appropriate checklist.

3.2.14 First Aid Supplies

All first aid supplies shall be inspected for open containers and damaged or broken items. Any dated equipment shall be discarded if the expiration date has passed. All equipment checked shall be noted on the appropriate checklist.

3.2.15 Other Equipment

All other equipment in the emergency kits should be checked to see that it will perform its intended function and replaced if found faulty. As the equipment is checked, its condition should be noted on the appropriate checklist. Serial numbers and dates should be recorded, as appropriate.

4.0 CHECKLISTS

Figures 1 through 24 are used when performing the emergency equipment inventories.

9

EPP-10, FIGURE 1

NMP EMERGENCY EQUIPMENT CHECKLIST

Fire Cabinet Inventory

Kit Location _____

Item/Equipment-Min. Quantity	Serial #/Remarks	Verified by Signature/Date
Cabinet A		
1. Coveralls - 2 pair		
2. Cotton Hoods - 2		
3. Rubber gloves - 2 pair		
4. Raincoats - 2		
5. Rainpants -2		
6. Fire Axe - 1		
7. Wrecking Bar - 1		
8. Portable hand light - 5	Date Batt Repl: _____ Batt Due: _____	
9. Fire Resistant Gloves - 2 pair		
10. Fire Resistant Suits - 2		
11. Fire Resistant Hoods - 2		
12. Asbestos Tarps - 2		
13. Canvas Tarps - 2		
14. Extension Cord - 1		
15. Hard Hats - 2		
16. Forceable Entry Tool - 1		
17. Boots - 5 pr		
18. Bolt Cutters - 1		
19. Hacksaw - 1		
20. (Misc) _____		
21. (Misc) _____		
22. (Misc) _____		
Cabinet B		
1. White Turn-out Coat - 1		
2. Yellow Turn-out Coat - 6		
3. Fire Fighter Gloves - 7 pr		
4. Boots - 5 pr		
5. Fire Hats - 6		
6. (Misc) _____		
7. (Misc) _____		
8. (Misc) _____		

EPP-10, FIGURE 1 (CONTINUED)

NMP EMERGENCY EQUIPMENT CHECKLIST

Fire Cabinet Inventory

Item/Equipment-Min. Quantity	Serial #/Remarks	Verified by Signature/Date
Cabinet C		
1. Scott Pak II - 1		
2. Scott Pak II - 1		
3. Scott Pak II - 1		
4. Scott Pak II - 1		
5. Scott Pak II - 1		
6. Spare Air Tanks - 2		
7. Spare Air Tanks - 2		
8. Spare Air Tanks - 2		
9. Spare Air Tanks - 2		
10. Spare Air Tanks - 2		
11. Rescue Belts - 2		
12. Life Lines 100 ft. - 2		
13. *Portable Fire/Rescue Radio # (TB 261' and Off Gas 261' only) Trans/Rec Ck		
14. (Misc)		
15. (Misc)		
16. (Misc)		
Outside Cabinets		
1. Exhaust Fan -1		
2. Duct Tubes		
3. Pike Pole - 1		
4. (Misc)		
5. (Misc)		
6. (Misc)		

*State whether test message is satisfactory or unsatisfactory.

ITEMS RESOLVED	BY/DATE

Emergency Planning Coordinator _____ Date _____

Fire Protection Coordinator _____ Date _____

EPP-10, FIGURE 2
NMP EMERGENCY EQUIPMENT CHECKLIST

Fire Cabinet Inventory

Kit Location _____

Item/Equipment-Min. Quantity	Serial #/Remarks	Verified by Signature/Date
Cabinet A		
1. Fire Axe - 1		
2. Wrecking Bar - 1		
3. Portable hand light - 5	Date Batt Repl:	
	Batt Due:	
4. Extension Cord - 1		
5. Forceable Entry Tool - 1		
6. Bolt Cutters - 1		
7. Rescue Belts - 2		
8. Life Lines 100 ft. - 2		
9. Boots - 5 pr		
10. Hacksaw - 1		
11. (Misc) _____		
12. (Misc) _____		
13. (Misc) _____		
Cabinet B		
1. White Turn-out Coat - 1		
2. Yellow Turn-out Coat - 6		
3. Fire Fighter Gloves - 7 pr		
4. Boots - 5 pr		
5. Fire Hats - 6		
6. (Misc) _____		
7. (Misc) _____		
8. (Misc) _____		
Cabinet C (Cabinet A for Locker Room 261')		
1. Scott Pak II - 1		
2. Scott Pak II - 1		
3. Scott Pak II - 1		
4. Scott Pak II - 1		
5. Scott Pak II - 1		
6. Spare Air Tanks - 2		
7. Spare Air Tanks - 2		
8. Spare Air Tanks - 2		
9. Spare Air Tanks - 2		
10. Spare Air Tanks - 2		
11. (Misc) _____		
12. (Misc) _____		
13. (Misc) _____		

EPP-10, FIGURE 2
NMP EMERGENCY EQUIPMENT CHECKLIST

Fire Cabinet Inventory

Kit Location _____

(Continued)

Item/Equipment-Min. Quantity	Serial #/Remarks	Verified by Signature/Date
Outside Cabinets		
1. Exhaust Fan - 1		
2. Duct Tubes		
3. Pike Poles - 1		
4. (Misc)		
5. (Misc)		
6. (Misc)		

ITEMS RESOLVED	BY/DATE

Emergency Planning Coordinator _____ Date _____

Fire Protection Coordinator _____ Date _____

EPP-10, FIGURE 3

Checklist

Ambulance and Fire Kit

Kit Location _____

Item/Equipment-Min. Quantity	Serial #/Remarks	Verified by Signature/Date
1. EPP-4, Personnel Injury & Illness - 1	Rev:	
2. Film Badges - 50	Dated:	
3. Masking Tape 2" - 2 rolls		
4. Coveralls - 3 pairs		
5. Boot Covers - 3 pairs		
6. Rubber Overshoes - 3 pairs		
7. Rubber Gloves - 1 box		
8. Disposable Gloves - 1 box		
9. Full Face Resp. and voice amplifier with Cartridges-3	Exp. date: Date batt. repl.: Batt due:	
10. Spare Resp. Cartridges - 3	Exp. date:	
11. Hoods - 3		
12. Bandage Scissors - 2 pairs		
13. Kraft Paper		
14. Plastic Sheeting		
15. Herculite		
16. (Misc) _____		
17. (Misc) _____		
18. (Misc) _____		

ITEMS RESOLVED	BY/DATE

Emergency Planning Coordinator _____ Date _____

9

EPP-10, FIGURE 4

NMP EMERGENCY EQUIPMENT

Checklist

Rescue Cabinet Inventory

Location _____

Item/Equipment-Min. Quantity	Serial #/Remarks	Verified By Signature/Date
1. Crow Bars - 2		
2. Boltcutter - 1		
3. Hacksaw - 2		
4. Burning Torch - 1		
5. Come-along - 1		
6. Cable Sling, 3' - 1		
7. Cable Sling, 6' - 1		
8. Hydraulic Jack, 1 ton - 1		
9. Hydraulic Jack, 5 ton - 1		
10. Sledgehammer, 6# - 1		
11. Sledgehammer, 12# - 1		
12. Rope 1/2" x 100' - 2		
13. Life Lines 100' - 2		
14. Forceable Entry Tool - 1		
15. Wrecking Bar (5') - 1		
16. Acetylene Cylinders - 2		
17. Oxygen Cylinders - 2		
18. (Misc) _____		
19. (Misc) _____		
20. (Misc) _____		

ITEMS RESOLVED	BY/DATE

Emergency Planning Coordinator _____ Date _____

EPP-10, FIGURE 5
NMP EMERGENCY EQUIPMENT

Checklist

Downwind Survey Kit A/B Inventory

Kit Location _____

Item/Equipment-Min. Quantity	Serial #/Remarks	Verified By Signature/Date
1. Emergency Survey Binder - 1 to include:		
a. EPP-6, In-Plant Emergency Surveys - 1	Rev:	
b. EPP-7, Downwind Radiological Monitoring - 1	Rev:	
c. EPP-12, Re-entry Procedure - 1	Rev:	
d. EPP-16, Environmental Monitoring - 1	Rev:	
e. EPP-24, Nuclear Transportation Accidents - 1	Rev:	
f. EPP-6/7/12, Fig. 1, In-Plant/ Downwind/Reentry Survey Log - 10	Rev:	
g. Station Floor Plants - 1	Rev:	
h. On-Site Map - 3	Rev:	
i. Off-Site Map - 3	Rev:	
j. Oswego County Map - 1	Rev:	
k. N1-PSP-11, High Activity Drywell Atmos. Samp. and Analysis - 1	Rev:	
l. N1-PSP-12, Interim Proc. High Rng.Stk.Noble Gas Rel. Rate Mon. - 1	Rev:	
m. N1-PSP-13, Sampling High Act, Rx Water 277' Turbine - 1	Rev:	
n. S-CAP-60, Dilution of Liquid & Gas Samples of High Activity - 1	Rev:	
o. EPP-11, Attachment 1, Telephone List - 1	Rev:	
2. Clip Board - 1		
3. Pad, Pens - 2, 3		
4. Count Rate Meter - 1 Model _____ GM/HP-210 Probe, (0-50k CPM)	#: _____ Due Date: _____ Resp. Ck: _____	
5. Dose Rate Meter - 1 Model _____ Ion Chamber, (0-5R/Hr)	#: _____ Due Date: _____ Resp. Ck: _____	
6. Coveralls - 2		
7. Rainsuits - 2		
8. Snowmobile suits - 2		
9. Boots - 2 pair		

EPP-10, FIGURE 5 (Cont.)
NMP EMERGENCY EQUIPMENT

Checklist

Downwind Survey Kit A/B Inventory

Kit Location _____

Item/Equipment-Min. Quantity	Serial #/Remarks	Verified By Signature/Date
7. Boot Covers - 2 pair		
8. Rubber Boots - 2 pair		
9. Rubber Gloves - 2 pair		
10. Cotton Gloves - 4 pair		
11. Full Face Resp. and voice amplifier with Cartridges-2	Exp Date: Date Batt Repl.: Batt Due:	
12. Spare Resp. Cartridges - 4	Exp Date:	
13. Hood - 2		
14. Tape - 2		
15. Misc plastic bags - 5		
16. Silver Zeolite Cartridges -12	Exp Date:	
17. TEDA Charcoal Cartridges - 12	Exp Date:	
18. Fiberglass Air Filters, 47mm - 24		
19. Petri Dishes - 24		
20. Air Samp. Coll. Env. - 24		
21. High Volume Air Sampler with spare fuse, AC-1 #:____ Due Date:____ 5 min run sat:____		
22. **High Volume Air Sampler with spare fuse, DC-1 #:____ Due Date:____ 5 min run sat:____		
23. Head for Samplers - 1		
24. Flashlights - 3	Date Batt Repl: Batt Due:	
25. "D" Cell Batteries - 6	Date Batt Repl: Batt Due:	
26. Keys to Envir. St. - 1		
27. *Portamobile Radio (High Band) - 1 #____ Trans/Rec Ck:____		
28. Atomic Wipes - 12		
29. Atomic Smears - 50		
30. Dosimeters (0-5R) - 2 Zero OK	____ Cal. Due Date ____	
31. Dosimeter charger	Date Batt Repl: Batt Due:	
32. Masslin cloth - 20		
33. Dimes - 25		

EPP-10, FIGURE 5 (Cont.)

NMP EMERGENCY EQUIPMENT

Checklist

Downwind Survey Kit A/B Inventory

	Serial No./Remarks	Verified By Signature/Date
34. KI tablets - 1 bottle with instructions and issue sheets	Exp date: _____	_____
35. Watch - 1	_____	_____
36. Check Source - 1	Serial No: _____	_____
37. Extension Cord - 1	_____	_____
38. (Misc) _____	_____	_____
39. (Misc) _____	_____	_____
40. (Misc) _____	_____	_____

ITEMS RESOLVED	BY/DATE
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

*State whether test message is Sat. or Unsat.
**Perform with vehicle operating

Emergency Planning Coordinator _____ Date _____

EPP-10, FIGURE 6
NMP EMERGENCY EQUIPMENT

Checklist

Alternate Emergency Operations Facility Emergency Kit Inventory

Kit Location _____

Item/Equipment-Min. Quantity	Serial #/Remarks	Verified By Signature/Date
Downwind Survey Kit		
1. Emergency Survey Binder - 1 to include:		
a. EPP-6, In-Plant Emergency Surveys - 1	Rev: _____	_____
b. EPP-7, Downwind Radiological Monitoring - 1	Rev: _____	_____
c. EPP-12, Re-entry Procedure - 1	Rev: _____	_____
d. EPP-16, Environmental Monitoring - 1	Rev: _____	_____
e. EPP-24, Nuclear Transportation Accidents - 1	Rev: _____	_____
f. EPP-6/7/12, Fig. 1, In-Plant/ Downwind/Reentry Survey Log -10	Rev: _____	_____
g. Station Floor Plans - 1	Rev: _____	_____
h. On-Site Map - 3	Rev: _____	_____
i. Off-Site Map - 3	Rev: _____	_____
j. Oswego County Map - 1	Rev: _____	_____
k. N1-PSP-11, High Activity Drywell Atmos. Samp. and Analysis - 1	Rev: _____	_____
l. N1-PSP-12, Interim Proc. High Rng.Stk.Noble Gas Rel. Rate Mon. - 1	Rev: _____	_____
m. N1-PSP-13, Sampling High Act, Rx Water 277' Turbine - 1	Rev: _____	_____
n. S-CAP-60, Dilution of Liquid & Gas Samples of High Activity - 1	Rev: _____	_____
o. EPP-11, Attachment 1, Telephone List - 1	Rev: _____	_____
2. Clip Board - 1	_____	_____
3. Pad, Pens - 2, 3	_____	_____
4. Count Rate Meter - 1 Model _____ GM/HP-210 Probe, (0-50k CPM)	#: _____ Due Date: _____ Resp. Ck: _____	_____
5. Dose Rate Meter - 1 Model _____ Ion Chamber, (0-5R/Hr)	#: _____ Due Date: _____ Resp. Ck: _____	_____
6. Coveralls - 2	_____	_____
7. Rainsuits - 2	_____	_____
8. Snowmobile suits - 2	_____	_____

EPP-10, FIGURE 6 (Cont.)
NMP EMERGENCY EQUIPMENT

Checklist

Alternate Emergency Operations Facility Emergency Kit Inventory

Item/Equipment-Min. Quantity	Serial #/Remarks	Verified By Signature/Date
7. Boot Covers - 2 pair		
8. Rubber Boots - 2 pair		
9. Rubber Gloves - 2 pair		
10. Cotton Gloves - 2 pair		
11. Full Face Resp. and voice amplifier with Cartridges-2	Exp Date: Date Batt. Repl.: Batt Due:	9
12. Spare Resp. Cartridges - 4	Exp Date:	
13. Hood - 2		
14. Tape - 2		
15. Misc. plastic bags - 5		
16. Silver Zeolite Cartridges - 12	Exp Date:	
17. TEDA Charcoal Cartridges - 12	Exp Date:	
18. Fiberglass Air Filters, 47 mm - 24		
19. Petri Dishes - 24		
20. Air Samp. Coll. Env. - 24		
21. **High Volume Air Sampler with spare fuse, DC-1 #:_____ Due Date:_____	5 min run sat:___	
22. High Volume Air Sampler with spare fuse, AC-1 #:_____ Due Date:_____	5 min run sat:___	
23. Head for Sampler -1		
24. Flashlights - 3	Date Batt Repl: Batt Due:	
25. "D" Cell Batteries - 6	Date Batt Repl: Batt Due:	
26. Keys to Envir. Sta. - 1		
27. *Mobile Radio (High Band) - 1 #_____	Tx/Rx Ck:_____	9
28. Atomic Wipes - 12		
29. Atomic Smears - 50		
30. Watch -1		
31. KI tablets - 1 bottle with instructions and issue sheet	Exp Date:	
32. Dimes - 25		
33. Masslin cloth - 20		
34. Dosimeters (0-5 R)-2 Zero OK:_____	Cal Due Date:_____	
35. Dosimeter charger - 1	Date Batt Repl: Batt Due:	

EPP-10, FIGURE 6 (Cont.)

NMP EMERGENCY EQUIPMENT

Checklist

Alternate Emergency Operations Facility Emergency Kit Inventory

Item/Equipment-Min. Quantity	Serial #/Remarks	Verified By Signature/Date
Downwind Survey Kit (Cont.)		
36. Check Source - 1	Ser # _____	_____
37. Extension Cord - 1	_____	_____
38. (Misc) _____	_____	_____
39. (Misc) _____	_____	_____
40. (Misc) _____	_____	_____

ITEMS RESOLVED	BY/DATE
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

*State whether test message is Sat or Unsat.
**Perform with vehicle operating.

EPP-10, FIGURE 6 (Cont.)
NMP EMERGENCY EQUIPMENT

Checklist

Alternate Emergency Operations Facility Emergency Kit Inventory

Kit Location _____

Item/Equipment-Min. Quantity	Serial #/Remarks	Verified By Signature/Date
Re-entry Survey Kit - 1		
1. Emergency Survey Binder - 1		
a. EPP-6, In-Plant Emergency Surveys - 1	Rev: _____	_____
b. EPP-7, Downwind Radiological Monitoring - 1	Rev: _____	_____
c. EPP-12, Re-entry Procedure - 1	Rev: _____	_____
d. EPP-16, Environmental Monitoring - 1	Rev: _____	_____
e. EPP-24, Nuclear Transportation Accidents - 1	Rev: _____	_____
f. EPP-6/7/12, Fig. 1, In-Plant/Downwind/Reentry Survey Log - 10	Rev: _____	_____
g. Station Floor Plants - 1	Rev: _____	_____
h. On-Site Map - 3	Rev: _____	_____
i. Off-Site Map - 3	Rev: _____	_____
j. Oswego County Map - 1	Rev: _____	_____
k. N1-PSP-11, High Activity Drywell Atmos. Samp. and Analysis - 1	Rev: _____	_____
l. N1-PSP-12, Interim Proc. High Rng.Stk.Noble Gas Rel. Rate Mon. - 1	Rev: _____	_____
m. N1-PSP-13, Sampling High Act, Rx Water 277' Turbine - 1	Rev: _____	_____
n. S-CAP-60, Dilution of Liquid & Gas Samples of High Activity - 1	Rev: _____	_____
o. EPP-11, Attachment 1, Telephone List - 1	Rev: _____	_____
2. Clip Board - 1	_____	_____
3. Pad, Pens - 2, 3	_____	_____
4. Count Rate Meter - 1 Model _____ GM/HP-210 Probe, (0-50k CPM)	#: _____ Due Date: _____ Resp. Ck: _____	_____
5. Dose Rate Meter - 1 Model _____ Ion Chamber, (0-5R/Hr)	#: _____ Due Date: _____ Resp. Ck: _____	_____
6. Coveralls - 2	_____	_____
7. Rainsuits - 2	_____	_____

EPP-10, FIGURE 6 (Cont.)
NMP EMERGENCY EQUIPMENT

Checklist

Alternate Emergency Operations Facility Emergency Kit Inventory

Item/Equipment-Min. Quantity	Serial #/Remarks	Verified By Signature/Date
Re-entry Survey Kit (Cont.)		
7. Boot Covers - 2 pair		
8. Rubber Boots - 2 pair		
9. Rubber Gloves - 2 pair		
10. Cotton Gloves - 2 pair		
11. Full Face Resp. and voice amplifier with Cartridges-2	Exp Date: Date Batt. Repl: Batt Due:	9
12. Spare Resp. Cartridges - 4	Exp Date:	
13. Hood - 2		
14. Tape - 2		
15. Misc. plastic bags - 5		
16. Silver Zeolite Cartridges - 12	Exp Date:	
17. TEDA Charcoal Cartridges - 12	Exp Date:	
18. Fiberglass Air Filters, 47 mm - 24		
19. Petri Dishes - 24		
20. Air Samp. Coll. Env. - 24		
21. **High Volume Air Sampler with spare fuse, DC-1 #:____ Due Date:____	5 min run sat:____	
22. Head for Sampler - 1		
23. Flashlights - 3	Date Batt Repl:____ Batt Due:____	
24. "D" Cell Batteries - 6	Date Batt Repl:____ Batt Due:____	
25. Keys to Envir. Sta. - 1		
26. *Portamobile Radio (High Band) - 1 #____	Tx/Rx Ck:____	9
27. Atomic Wipes - 12		
28. Atomic Smears - 50		
29. Scott Pak II - 1		
30. Scott Pak II - 1		
31. Spare Air Cylinder - 1		
32. Spare Air Cylinder - 1		
33. High Range Dose Rate Meter - 1 GM (0-1000R/Hr)	Model ____ #:____ Due Date:____ Resp. Ck:	
34. Watch - 1		
35. Masslin cloth - 20		

EPP-10, Figure 6 (Cont.)

NMP EMERGENCY EQUIPMENT

Checklist

Alternate Emergency Operations Facility Emergency Kit Inventory

Item/Equipment-Min. Quantity	Serial #/Remarks	Verified By Signature/Date
Re-Entry Survey Kit (Cont.)		
36. Dimes - 25	_____	_____
37. KI tablets - 1 bottle with instructions and issue sheet	Exp Date: _____	_____
38. Dosimeters (0-5 R)-2 Zero OK	_____ Due Date _____	_____
39. Dosimeter Charger - 1	Date Batt Repl: _____ Batt Due: _____	_____
40. Extension Cord - 1	_____	_____
41. (Misc) _____	_____	_____
42. (Misc) _____	_____	_____
43. (Misc) _____	_____	_____

ITEMS RESOLVED	BY/DATE
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

*State whether test message is Sat or Unsat.
**Perform with vehicle operating.

EPP-10, FIGURE 6 (Cont.)
NMP EMERGENCY EQUIPMENT

Checklist
Alternate Emergency Operations Facility Emergency Kit Inventory

Item/Equipment-Min. Quantity	Serial #/Remarks	Verified By Signature/Date
Decontamination and Misc. Supplies		
1. Paper Bath Towels - 25		
2. Paper Hand Towels - 2 pkgs		
3. Disposable Plastic Gloves - 1 box		
4. Assorted Plastic Bags		
5. Disposable Coveralls - 1 box		
6. Plastic Booties - 100		
7. Antiseptic soap - 1ltr. bottle		
8. Prell shampoo-3/60 ml. bottles		
9. Alconox - 1 liter bottle		
10. Tide - 1 20 oz. box		
11. Rad. Con - 2 cans		
12. Cotton Tip Swabs - 100		
13. Surgical Scrub Brushes - 10		
14. 150 ml Beakers - 6		
15. Masking Tape - 2 rolls		
16. Grey Duct Tape - 1 roll		
17. Stepoff Pads - 4		
18. Yellow & Magenta Rope - 50 ft.		
19. Assorted Radiation/ Contamination Tags		
20. Dosimeters (0-500 mR)-6	Cal. Zero Ok:____ Due Date____	
21. Dosimeter Charger - 1	Date Batt Repl:_____ Batt Due:_____	
22. Count Rate Meter - 1 GM/HP-210 Probe, (0-50k CPM)	Model___ #:_____ Cal. Due Date____ Resp Ck:	
23. Sample Envelopes - 12		
24. Lanolin - 1 bottle		
25. Decon Liquid Waste Receptacle - 1		
26. Bandage Scissors - 1		
27. Masslin Cloth - 20		
28. Soap Bars - 10		
29. (Misc.) _____		
30. (Misc.) _____		
31. (Misc.) _____		

ITEMS RESOLVED	BY/DATE

Emergency Planning Coordinator_____ Date_____

EPP-10, FIGURE 7

NMP EMERGENCY EQUIPMENT
Checklist

Oswego Hospital Nuclear Emergency Cabinet Inventory
Cabinet Location _____

Item/Equipment-Min. Quantity	Serial #/Remarks	Verified By Signature Date
1. Respirators with Cartridges - 6	Exp Date:	
2. Masking Tape-2" - 10 rolls		
3. Latex Industrial Gloves - 10 pr.		
4. Step-Off Pads - 2		
5. Assorted Plastic Bags		
6. Disposable Isolation Gowns - 20		
7. Disposable Gloves - 20		
8. Disposable Face Masks - 20		
9. Disposable Aprons - 20		
10. Disposable Booties - 10 pr.		
11. Disposable Hats - 10		
12. Radiation Signs - 10		
13. Detergent - 1 Box		
14. Yellow & Magenta Rope (2-25' & 1-50') - 3		
15. Radiation Tags (Tie) - 20		
16. Radiation Tags (Adhesive) - 20		
17. Plastic Trash Bags -15		
18. RMC Radiation Accident Procedure Poster - 1		
19. RMC Sample Taking Kit - 1		
20. Atomic Smears - 50		
21. The Oswego Hospital Plan for the Decontamination and Treatment of the Radioactively Contaminated Patient	Rev:	
22. Protective Clothing Kits - 10 Each to include:		
a. Disposable Isolation Gown-1		
b. Disposable Gloves - 1 pr.		
c. Disposable Face Mask - 1		
d. Disposable Apron - 1		
e. Disposable Booties - 1 pr.		
f. Disposable Hat - 1		
g. Film Badge - 1	Dated:	
h. Finger Ring Film Badges - 2	Dated:	
i. Self-Reading Dosimeter (0-500mR)-1	Zero OK:___ Due Date:___	
23. Self-Reading Dosimeters (0-1R)-5	Zero OK:___ Due Date:___	
24. Atomic Wipes - 50		

EPP-10, FIGURE 7 (Cont.)
NMP EMERGENCY EQUIPMENT

Checklist
Oswego Hospital Nuclear Emergency Cabinet Inventory

Item/Equipment-Min. Quantity	Serial #/Remarks	Verified By Signature/Date
25. Dosimeter Charger	Date Batt. Repl. _____ Batt. Due: _____	_____
26. Count Rate Meter - 1 Model___ HP-210 Probe, 0-50k CPM	#:_____ Due Date:_____ Resp. Ck: _____	_____
27. Dose Rate Meter - 1 Model___ Ion Chamber, 0-5R/Hr	#:_____ Due Date:_____ Resp. Ck: _____	_____
28. 12' Extension Cord - 1	_____	_____
29. Check Source - 1	_____	_____
30. RMC Decontamination Kit - 1	_____	_____
31. Hose and Nozzle for Decontamination Table Top - 1	_____	_____
32. Portable Stanchion - 1	_____	_____
33. Pre-Cut Yellow Herculite - 6	_____	_____
34. Pre-Cut White Herculite - 2	_____	_____
35. Pre-Cut Green Herculite - 2	_____	_____
36. (Misc) _____	_____	_____
37. (Misc) _____	_____	_____
38. (Misc) _____	_____	_____
Outside Cabinet		
39. Yellow Trash/Water Receptacles - 2	_____	_____
40. Movable Base for Trash Receptacles - 2	_____	_____
41. Lead Pig - 1	_____	_____
42. RMC Decontamination Table Top - 1	_____	_____
43. Solid Radioactive Waste Boxes - 4	_____	_____
44. Doorway Barrier - 2	_____	_____

ITEMS RESOLVED	BY/DATE
_____	_____
_____	_____
_____	_____
_____	_____

Emergency Planning Coordinator_____ Date_____

EPP-10, FIGURE 8

NMP EMERGENCY EQUIPMENT
Checklist

9

In-plant Survey Kit Inventory 1/2

Kit Location _____

Item/Equipment-Min. Quantity	Serial #/Remarks	Verified By Signature/Date
1. Emergency Survey Binder - 1		
a. EPP-6, In-Plant Emergency Surveys - 1	Rev:	
b. EPP-7, Downwind Radiological Monitoring - 1	Rev:	
c. EPP-12, Re-entry Procedure - 1	Rev:	
d. EPP-16, Environmental Monitoring - 1	Rev:	
e. EPP-24, Nuclear Transportation Accidents - 1	Rev:	
f. EPP-6/7/12, Fig. 1, In-Plant/ Downwind/Reentry Survey Log - 10	Rev:	
g. Station Floor Plans - 1	Rev:	
h. On-Site Map - 3	Rev:	
i. Off-Site Map - 3	Rev:	
j. Oswego County Map - 1	Rev:	
k. N1-PSP-11, High Activity Drywell Atmos. Samp. and Analysis - 1	Rev:	
l. N1-PSP-12, Interim Proc. High Rng.Stk.Noble Gas Rel. Rate Mon. - 1	Rev:	
m. N1-PSP-13, Sampling High Act, Rx Water 277' Turbine - 1	Rev:	
n. S-CAP-60, Dilution of Liquid & Gas Samples of High Activity - 1	Rev:	
o. EPP-11, Attachment 1, Telephone List - 1	Rev:	

EPP-10, FIGURE 8 (Cont.)

NMP EMERGENCY EQUIPMENT
Checklist

Inplant Survey Kit Inventory - 1/2

Item/Equipment-Min. Quantity	Serial #/Remarks	Verified By Signature/Date
2. Clip Board - 1		
3. Pad, Pens - 2, 3		
4. Count Rate Meter - 1 Model GM/HP-210 Probe, (0-50k CPM)	#: Due Date: Resp. Ck:	
5. Dose Rate Meter - 1 Model Ion Chamber, (0-5R/Hr)	#: Due Date: Resp. Ck:	
6. Coveralls - 4		
7. Boot Covers - 4 pair		
8. Rubber Boots - 4 pair		
9. Rubber Gloves - 4 pair		
10. Cotton Gloves - 4 pair		
11. Full Face Resp. and voice amplifier with Cartridges - 4	Exp Date: Date Batt Repl: Batt Due:	
12. Spare Resp. Cartridges - 4	Exp Date:	
13. Hood - 4		
14. Tape - 4		
15. Misc. plastic bags - 5		
16. Silver Zeolite Cartridges - 12	Exp Date:	
17. TEDA Charcoal Cartridges - 12	Exp Date:	
18. Fiberglass Air Filters, 47 mm - 24		
19. Air Samp. Coll. Env. - 24		
20. Petri Dishes - 24		
21. Scott Pak II - 1 (A Only)		
22. Scott Pak II - 1 (A Only)		
23. Spare Air Cylinder - 1 (A Only)		
24. Spare Air Cylinder - 1 (A Only)		
25. High Range Dose Rate GM(0-1000R/Hr) Meter (A Only)	Model #: Due Date: Resp Ck:	
26. Dosimeters, (0 to5R)-5	Zero Ok: Cal Due Date:	
27. Dosimeters (0-50R)-5	Zero Ok: Cal Due Date:	
28. Dosimeter Charger - 1	Date Batt Repl: Batt Due:	
29. High Volume Air Sampler with spare fuse, AC - 1	#: 5 min run sat: Due Date:	
30. Filter Head for Sampler - 1		
31. Atomic Wipes - 25		
32. Atomic Smears - 50		

EPP-10, FIGURE 8 (Cont.)

NMP EMERGENCY EQUIPMENT

Checklist

In-plant Survey Kit Inventory 1/2

Item/Equipment-Min. Quantity	Serial #/Remarks	Verified By Signature/Date
33. (High Band) - 1 # _____	Trans/Rec: _____	
34. Masslin cloth - 20	_____	_____
35. Yellow and Magenta Rope 50 ft. - 4	_____	_____
36. Assorted Radiation/ Contamination Tags	_____	_____
37. KI tablets - 1 bottle with instructions and issue sheet	Exp Date: _____	_____
38. Flashlights - 4	Date Batt Repl: _____ Batt Due: _____	
39. "D" Cell Batteries - 8	Date Batt Repl: _____ Batt Due: _____	_____
40. Extension Cord - 1	_____	_____
41. Cart with basket - 1	_____	_____
42. Check Source - 1	_____	_____
43. Mag.Mount Antenna -1 Ser #	_____	_____
44. (Misc) _____	_____	_____
45. (Misc) _____	_____	_____
46. (Misc) _____	_____	_____

ITEMS RESOLVED	BY/DATE
_____	_____
_____	_____
_____	_____
_____	_____

*State whether test message is Sat or Unsat

Emergency Planning Coordinator _____ Date _____

EPP-10, FIGURE 9

NMP EMERGENCY EQUIPMENT

Checklist

Contaminated Patient Carrier Inventory

Kit Location _____

Item/Equipment-Min. Quantity	Serial #/Remarks	Verified By Signature/Date
1. Stretcher -1		
2. Disposable Blankets - 2		
3. Blower - 1		
4. Filter Unit - 1		
5. Rubber Gloves - 6		
6. Decon. Fluid container - 1		
7. Cover Seal		
8. Coveralls - 4		
9. Skin Decontamination Record - 2		
10. Cotton Booties - 4		
11. Cotton Gloves - 4		
12. Masking Tape 2" - 2 rolls		
13. (Misc) _____		
14. (Misc) _____		
15. (Misc) _____		

ITEMS RESOLVED	BY/DATE

Emergency Planning Coordinator _____ Date _____

EPP-10, FIGURE 10

NMP EMERGENCY EQUIPMENT CHECKLIST

FIRST AID SUPPLIES

I. First Aid Room Supply Inventory

Item/Equipment-Min. Quantity	Serial No./Remarks	Verified By Signature/Date
1. Non-Allergic Adehsive Tape 2" x 10 yes - 6		
2. Non-Allergic Adhesive Tape 1" x 10 yes - 6		
3. Plastic Splint Kit - 1		
4. Scissors - Bandage Type 5 1/2" - 2		
5. Forcepts 3 1/2" Celia Type-2		
6. Stretcher - Collapsible Type - 1		
7. Stretcher - Stokes Splint -1		
8. Applicators-Cotton Wound-100		
9. Blanket - 60"x90" - 4		
10. Blankets-Disposable 60"x84" - 24		
11. First Aid Kit - 36 Unit - 1		
12. Resusitator/Inhalator - Size D Cylinder-Complete Portable Unit - 1		
13. Medical Oxygen-D Cylinder and Contents - 3		
14. Magnifying Lamp - Floor Stand - 1		
15. Antiseptic Soap - Concentrated - 1		
16. Assorted size padded board splnts - 6		
17. Adult Nasal carnulas - 10		
18. Adult partial rebreather masks - 10		
19. Disposal towels - 20		
20. Metal emesis basins - 2		
21. Metal sponge bowls - 2		
22. 4" x 4" sterile topper sponges with accessories - 4 boxes		
23. 2" x 2" sterile topper sponges with accessories - 4 boxes		
24. Suripads (sterile) 3"x9" - 3 boxes		
25. Telfa pads - 2 boxes		
26. Sterile oval eye pads-2 boxes		

EPP-10, FIGURE 10
(Continued)

NMP EMERGENCY EQUIPMENT CHECKLIST

FIRST AID SUPPLIES

I. First Aid Room Supply Inventory

Item/Equipment-Min. Quantity	Serial No./Remarks	Verified By Signature/Date
27. Multiple trauma dressings (sterile) - 20		
28. 6" sterile Kling - 6 bags		
29. 4" sterile Kling - 6 bags		
30. 3" sterile Kling - 6 bags		
31. 2" sterile Kling - 6 bags		
32. 1" sterile Kling - 6 bags		
33. Vaseline gauge pads - 1 box		
34. Instant cold packs(medium)-20		
35. Germicidal room deodorizer -1		
36. Small drinking cups- 1 pkg.		
37. 1000 cc bottles normal saline for irrigation - 6		
38. Large burn sheets - 6		
39. Small burn sheets - 6		
40. Vinegar - 2 gallons		
41. Baking Soda - 2 boxes		
42. Extra Large bandaids - 1 box		
43. 3/4" x 3" bandaids - 1 box		
44. 3/4" x 3/8" bandaid butterfly closures - 1 box		
45. 3/4" x 1/2" bandaid butterly closures - 1 box		
46. Ammonia Inhalants - 1 box		
47. Penlight - 1 box (6)		
48. Plastic squeeze bottles (1 quart capacity) - 2		
49. Betadine Solution - 1 gal.		
50. Rubbing Alcohol - 2 bottles		
51. Clipboards - 2		
52. Pens - 6		
53. Run Sheets - 1 pkg(200)		
54. Disposable Exam gowns - 100		
55. Exam Table - 1		
56. Metal Treatment chair - 1		
57. Table (metal) - 1		
58. Chair - 1		
59. Paper for treatment table - 2 rolls		
60. Alcohol prep packs - 1 box		
61. Betadine swabs - 1 box		

EPP-10, FIGURE 10
(Continued)

NMP EMERGENCY EQUIPMENT CHECKLIST

FIRST AID SUPPLIES

I. First Aid Room Supply Inventory

Item/Equipment-Min. Quantity	Serial No./Remarks	Verified By Signature/Date
62. (Misc.)_____	_____	_____
63. (Misc.)_____	_____	_____
64. (Misc.)_____	_____	_____
65. (Misc.)_____	_____	_____

ITEMS RESOLVED	BY/DATE
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

EMT Instructor _____ Date:_____

Emergency Planning Coordinator_____ Date:_____

EPP-10, FIGURE 10 (Cont.)

NMP EMERGENCY EQUIPMENT CHECKLIST

II. Basic First Aid Kit Supply Inventory

Location _____

Item/Equipment-Min. Quantity	Serial #/Remarks	Verified By Signature/Date
1. Multi-Truma Dressing - 6		
2. Topper Sponges(Sterile) 4"x4" - 10		
3. Instant Ice Bag - 2		
4. Suripads (Sterile) 5" x 9" - 10		
5. Non-Allergic Adhesive Tape 1"x 10 yds - 2		
6. Triangular Bandage - 7		
7. Bandage Scissors - 1		
8. Disposable Plastic Gloves - 2 pr		
9. Plastic Booties - 2 pr		
10. Cotton Gloves - 1 pr		
11. Non-allergic adhesive tape 2" - 2		
12. 6" Kling (sterile) - 3		
13. 3" Kling (sterile) - 3		
14. Extra large bandaids - 10		
15. Regular bandaids - 10		
16. Oval eye pads (sterile)		
17. Telfa pads 2" x 3" - 6		
18. Sterile cotton tipped applicators - 6		
19. Coban bandages 2" x 5 yds-2		
20. Adult nasal cannulas - 1		
21. Adult partial rebreather masks - 1		
22. Assorted size padded board splints - 3		
23. Pen - 1		
24. Run Sheets - 6		
25. (Misc) _____		
26. (Misc) _____		
27. (Misc) _____		
28. (Misc) _____		

ITEMS RESOLVED	BY/DATE

EMT Instructor _____ Date _____

Emergency Planning Coordinator _____ Date _____

EPP-10, FIGURE 10 (Cont.)

NMP EMERGENCY EQUIPMENT CHECKLIST

III. Trauma Kit Supply Inventory

Location _____

Item/Equipment-Min. Quantity	Serial #/Remarks	Verified By Signature/Date
1. Stop watch - 1		
2. Penlights - 2		
3. 4" x 4" sterile gauge pads-10		
4. 3"x5 yds. sterile Kling bandage		
5. 6" x 5 yds. sterile Kling bandage - 4		
6. Quick ice packs - 2		
7. Ammonia inhalants - 10		
8. Tube Instant Glucose		
9. Adult oralo airways - 2 *		
10. Sterile Oval eyepads - 6		
11. Large disposable burn sheet-1		
12. Small disposable burn sheet-4		
13. 1000 cc bottle normal saline for irrigation -1		
14. Multiple trauma dressings - 4		
15. Bandage scissors - 1 pr.		
16. Stethescope - 1*		
17. Blood pressure cuff - 1*		
18. Alcohol prep packs - 1 box		
19. Betadine prep packs - 1 box		
20. 1" non-allergic tape-2 rolls		
21. 2" non-allergic tape-2 rolls		
22. Adult size amber bag with masks - 1*		
23. Oxygen connecting tubing -1		
24. (Small, medium, large) Ferno Washington Extrication Collars - lea.*		
25. Adult Nasal Cannulas - 2		
26. Adult partial rebreather masks - 2		
27. 3"x12" padded board splints-2		
28. Wire ladder splint - 1		
29. Pen - 1		
30. Run Sheets - 6		
31. Torque blades - 5		
32. Cotton tipped applicators (sterile) - 12		
33. Betadine ointment - 1 tube		
34. Vaseline gauze - 2 pkg.		

EPP-10, FIGURE 10 (Cont.)

NMP EMERGENCY EQUIPMENT CHECKLIST

III. Trauma Kit Supply Inventory

Location _____

Item/Equipment-Min. Quantity	Serial #/Remarks	Verified By Signature/Date
35. Triangular bandages - 4		
36. Bacitracin ointment - 1 tube		
37. Misc. _____		
38. Misc. _____		
39. Misc. _____		
40. Misc. _____		

ITEMS RESOLVED	BY/DATE

EMT Instructor _____ Date: _____

Emergency Planning Coordinator _____ Date: _____

EPP-10, FIGURE 11

NMP EMERGENCY EQUIPMENT CHECKLIST

Security Building Emergency Kit Inventory

Kit Location _____

Item/Equipment-Min. Quantity	Serial #/Remarks	Verified By Signature/Date
1. Full Face Resp. with Cartridges - 8	Exp Date:	
2. Spare Resp. Cartridge - 8	Exp Date:	
3. Coveralls - 8		
4. Booties - 8		
5. Hoods - 8		
6. Cloth Gloves - 8 pr.		
7. Rubbers - 8 pr.		
8. Masking Tape, 2" - 1 roll		
9. Scott Pak II - 1		
10. Scott Pak II - 1		
11. Scott Pak II - 1		
12. Scott Pak II - 1		
13. Scott Pak II - 1		
14. Spare Air Cylinder - 1		
15. Spare Air Cylinder - 1		
16. Spare Air Cylinder - 1		
17. Spare Air Cylinder - 1		
18. Spare Air Cylinder - 1		
19. (Misc) _____		
20. (Misc) _____		
21. (Misc) _____		

ITEMS RESOLVED	BY/DATE

Emergency Planning Coordinator _____ Date _____

EPP-10, FIGURE 12

NMP EMERGENCY EQUIPMENT

Checklist

Control Room Emergency Procedures Checklists Bins

I. S.S.S. Emergency Procedures Checklists

Figure #/Title/Min. Quantity	Rev #/Date	Verified By Signature/Date
1. EAP-1, Figure 1 Activaton of Emergency Plan SSS Checklist		
2. EAP-1, Figure 2 Emergency Director Checklist - At TSC		
3. EAP-2, Figure 4.1 Action Level Criteria for Classifiation of Emergency Conditions		
4. EPP-13, Figure 8 Emergency Response/Recovery Action Log		
5. EPP-24, Figure 2 Nuclear Transportation Accident Control Room Checklist		
6. EPP-24, Figure 1 Nuclear Transportation Accident Report Form		

EPP-10, FIGURE 12
(Continued)
NMP EMERGENCY EQUIPMENT

Checklist

Control Room Emergency Procedures Checklist Bins

II. CSO Emergency Procedures Checklists

Figure #/Title/Min. Quantity	Rev #/Date	Verified By Signature/Date
1. EPP-1, Figure 1 High Radiation/High Airborne Activity Local Area-CSO Checklist		
2. EPP-1, Figure 2 High Airborne Activity/High Radiation General Area-CSO Checklist		
3. EPP-2, Figure 1 Fire Fighting Checklist (Control Room/CSO)		
4. EPP-3, Figure 1 Search and REscue CSO Checklist		
5. EPP-4, Figure 1 personnel Illness or contaminated injury - CSO checklist		
6. EPP-24, Figure 2 Nuclear Transportation Accident- Control Room Checklist(SSS or CSO)		
7. EPP-2, Figure 3 Fire Fighting Checklist (Chem and Rad. Mgt. Dept.)		

EPP-10, FIGURE 12
(Continued)

NMP EMERGENCY EQUIPMENT

Checklist

Control Room Emergency Procedures Checklist Bins

III. Communications Aid Emergency Procedure Checklists

Figure #/Title/Min. Quantity	Rev #/Date	Verified By Signature/Date
1. EPP-20, Figure 1 Control Room Comm. and Emergency Notif. Checklist		
2. EPP-20, Figure 4, Part I Notification Fact Sheet		
3. EPP-20, Figure 4, Part III Plant Parameter Fast Sheet		
4. EPP-20, Figure 6 Emergency Contact List		
5. EPP-11, Attachment 1 Emergency Telephone Numbers		

Items Resolved	By/Date

Emergency Planning Coordinator_____ Date_____

EPP-10, FIGURE 13

NMP EMERGENCY EQUIPMENT

Checklist

Emergency Center Operations Kit Inventory

Location _____

Item/Equipment-Min. Quantity	Serial #/Remarks	Verified By Signature/Date
1. Pads of Paper - 18		
2. Clip Boards - 12		
3. Pens - 24		
4. Message Forms - 200		
5. Water Color Markers - 24 (*1, 2)		
6. Area Radiation Monitor (*1, 2) - 1 #_____ Due Date_____ 10 min run sat:____		
7. Continuous Air Monitor (*1) - 1 #_____ Due Date_____ 10 min run sat:____		
8. **Base Station - 1 Trans/Rec Ck:____		
9. Closed Circuit TV (*1) - 1 (check focus, zoom & span) 10 min run sat:____		
10. **Data Terminals - Trans/Rec Sat:_____		
11. Mechanical P&ID Diag. (*1, 2) - 1		
12. Electrical Diag. (*1) - 1		
13. Typer Paper - 4		

*1 - TSC Only
*2 - EOF (nearsite) only
*3 - EOF (alternate) only
**State whether test message (or command) is sat or unsat.

9

EPP-10, FIGURE 13 (Cont.)

NMP EMERGENCY EQUIPMENT CHECKLIST

Emergency Center Operations Kit Inventory

Item/Equipment-Min. Quantity	Serial #/Remarks	Verified By Signature/Date
14. Step Off Pads (*2) - 4		
15. Grey Tape (*2) - 2 rolls		
16. Rad and Contam. tags (*2)-25		
17. Yellow & Magenta rope (*2) - 50 ft.		
18. Count Rate Meter (*2) - 1 GM/HP-210 Probe, (0-50k CPM)	Model_____ #_____ Due Date_____ Resp. Ck:_____	
19. Film Badges (*1, 2)		
a. (*1) - 20	Dated:_____	
b. (*2) - 60	Dated:_____	
20. Assignment Binders		
a. (*1, 3) - 12		
b. (*2) - 8		
21. Coveralls (*1) - 20		
22. Full Face Resp. and voice amplifier with cannisters (*1) - 20	Date Batt. Exp. Date: Repl: Batt Due:	
23. Rubber Shoe Covers (*1) - 20pr		
24. Cotton Boot Covers (*1) - 20pr		
25. Cotton Hoods (*1) - 20		
26. Cotton Gloves (*1) - 20pr		
27. Masking Tape 2" (*1) - 10rolls		
29. Flashlights (*1) - 20	Date Batt Repl: Batt Due:	
30. "D" Cell Batteries (*1) - 20	Date Batt Repl: Batt Due:	
31. Calculators (*1) - 3	Date Batt Repl: Batt Due:	
32. Maps with overlays (*1, 2)		
a. 50 mile radius - 1		
b. 10 mile radius - 1		
33. Tape Recorder - 1 (*1)	Date Batt Repl: Batt Due:	
34. Cassette Tapes - 3 (*1)		
35. Pump curves (*1) - 1		
36. Vessel Drawings (*1) - 1		
37. Outside contact list (*1) -1		

*1 - TSC Only
*2 - EOF (nearsite) only
*3 - EOF (alternate) only
**State whether test message (or command) is sat or unsat.

EPP-10, FIGURE 13 (Cont.)
NMP EMERGENCY EQUIPMENT
Checklist
Emergency Center Operations Kit Inventory

Item/Equipment-Min. Quantity	Serial #/Remarks	Verified By Signature/Date
36. Emergency Center Operations Manuals		
a) NMPNS Oper. Proc. (*1,2) - 7 Vol. Copy #_____	_____	_____
b) NMPNS Special Oper Proc. (*1,2) - 1 Copy #_____	_____	_____
c) NMPNS Site Emerg. Plan (Vol. 1&2) - 1 Copy #_____	_____	_____
d) NMPNS Chemistry & Rad Prot Manuals (*1,2) - 4 Vol. Copy #_____	_____	_____
e) NMPNS Administration Procedures (*1) - 1 Copy #_____	_____	_____
f) Instrument Maintenance Procedures (*1) - 1 Copy #_____	_____	_____
g) Preventive Maintenance Procedures (*1) - 1 Copy #_____	_____	_____
h) Maintenance Procedures (*1) - 2 Vol. Copy #_____	_____	_____
i) Instrument Surveillance Procedures (*1) - 3 Vol. Copy #_____	_____	_____
j) Reactor Analysis Procedures (*1) - 3 Vol. Copy #_____	_____	_____
k) In-Service Inspections Hydro Procedures (*1) - 1 Copy #_____	_____	_____
l) Fuel Handling Procedure (*1) - 1 Copy #_____	_____	_____
m) Fire Prevention Procedure (*1) - 1 Copy #_____	_____	_____
n) Document Control Instructions (*1,2) - 1 Copy #_____	_____	_____

*1 - TSC Only
*2 - EOF (nearsite) Only
*3 - EOF (alternate) Only

EPP-10, FIGURE 13 (Cont.)

NMP EMERGENCY EQUIPMENT

Checklist

Emergency Center Operations Kit Inventory

Item/Equipment-Min. Quantity	Serial #/Remarks	Verified By Signature/Date
36. o) Office Instruc. (*1) - 1 Copy #_____		
p) Site Standing Orders (*1) - 1 Copy #_____		
q) Users Guide Equipment History & Status system (*1) - 1 Copy #_____		
r) NMPNS Technical Specifications (*1,2) - 3 Vol. Copy #_____		
s) NMPNS FSAR & Supplements (*1,2) - Copy #_____		
t) Waste Handling Procedures (*1) - 1 Copy #_____		
u) Welding Procedures (*1) - 1 Copy #_____		
v) Instrument Maintenance Procedures-Test Equipment Calibration (*1) - 1 Copy #_____		
w) Surveillance Test Procedures (*1) - 2 Vol. Copy #_____		
x) Maintenance Surveillance Procedures (*1) - 1 Copy #_____		
y) Instrument Calibration Procedures (*1) - 1 Copy #_____		
z) Oswego County Radiological Emerg. Response Plan & Procedures (Vol. 1 & 2) - 1		

*1 - TSC Only
*2 - EOF (nearsite) Only
*3 - EOF (alternate) Only

9

EPP-10, FIGURE 13 (Cont.)

NMP EMERGENCY EQUIPMENT

Checklist

Emergency Center Operations Kit Inventory

Item/Equipment-Min. Quantity	Serial #/Remarks	Verified By Signature/Date
36. aa) New York State Radiological Emergency Preparedness Plan & Procedures - 1		
bb) Environmental Protection Manual of Protective Action Guides and Protective Actions for Nuclear Incidents -1 Copy #_____		
cc. Corporate Emergency Response/Recovery Plan Copy #_____		
37. (Misc) _____		
38. (Misc) _____		
39. (Misc) _____		
40. (Misc) _____		
41. (Misc) _____		

ITEMS RESOLVED	BY/DATE

Emergency Planning Coordinator_____ Date_____

EPP-10, FIGURE 14
NMP EMERGENCY EQUIPMENT

Checklist

Nearsite Emergency Operations Facility Emergency Survey Kit Inventory

Kit Location _____

Item/Equipment-Min. Quantity	Serial #/Remarks	Verified By Signature/Date
1. Emergency Survey Binder - 1		
a. EPP-6, In-Plant Emergency Surveys - 1	Rev: _____	_____
b. EPP-7, Downwind Radiological Monitoring - 1	Rev: _____	_____
c. EPP-12, Re-entry Procedure - 1	Rev: _____	_____
d. EPP-16, Environmental Monitoring - 1	Rev: _____	_____
e. EPP-24, Nuclear Transportation Accidents - 1	Rev: _____	_____
f. EPP-6/7/12, Fig. 1, In-Plant/ Downwind/Reentry Survey Log - 10	Rev: _____	_____
g. Station Floor Plans - 1	Rev: _____	_____
h. On-Site Map - 3	Rev: _____	_____
i. Off-Site Map - 3	Rev: _____	_____
j. Oswego County Map - 1	Rev: _____	_____
k. N1-PSP-11, High Activity Drywell Atmos. Samp. and Analysis - 1	Rev: _____	_____
l. N1-PSP-12, Interim Proc. High Rng.Stk.Noble Gas Rel. Rate Mon. - 1	Rev: _____	_____
m. N1-PSP-13, Sampling High Act, Rx Water 277' Turbine - 1	Rev: _____	_____
n. S-CAP-60, Dilution of Liquid & Gas Samples of High Activity - 1	Rev: _____	_____
o. EPP-11, Attachment 1, Telephone List - 1	Rev: _____	_____
2. Clip Board - 1	_____	_____
3. Pad, Pens - 2, 3	_____	_____
4. Count Rate Meter - 1 Model _____ GM/HP-210 Probe, (0-50k CPM)	#: _____ Due Date: _____ Resp. Ck: _____	_____
5. Dose Rate Meter - 1 Model _____ Ion Chamber, (0-5R/Hr)	#: _____ Due Date: _____ Resp. Ck: _____	_____
6. Coveralls - 2 pair	_____	_____
7. Rainsuits - 2	_____	_____
8. Boot Covers - 2 pair	_____	_____
9. Rubber Boots - 2 pair	_____	_____

EPP-10, FIGURE 14 (Cont.)
NMP EMERGENCY EQUIPMENT

Checklist

Nearsite Emergency Operations Facility Emergency Kit Inventory

Item/Equipment-Min. Quantity	Serial #/Remarks	Verified By Signature/Date
9. Rubber Gloves - 2 pair		
10. Cotton Gloves - 2 pair		
11. Full Face Resp. and voice amplifier with Cartridges - 2	Exp Date: Date Batt Repl: Batt Due:	9
12. Spare Resp. Cartridges - 4	Exp Date:	
13. Hood - 2		
14. Tape - 2		
15. Misc. plastic bags - 5		
16. Silver Zeolite Cartridges - 12	Exp Date:	
17. TEDA Charcoal Cartridges - 12	Exp Date:	
18. Fiberglass Air Filters, 47 mm - 24		
19. Air Samp. Coll. Env. - 24		
20. Petri Dishes - 24		
21. High Volume Air Sampler with spare fuse, AC-1 #:_____ Due Date:_____	5 min run sat:_____	
22. **High Volume Air Sampler with spare fuse, DC-1 #:_____ Due Date:_____	5 min run sat:_____	
23. Head for Samplers - 1		
24. Flashlights - 3	Date Batt Repl:_____ Batt Due:_____	
25. "D" Cell Batteries - 6	Date Batt Repl:_____ Batt Due:_____	
26. Keys to Envir. St. - 1		
27. *Portamobile Radio (High Band) - 1 #_____	Trans/Rec Ck:_____	9
28. Scott Pak II - 1		
29. Scott Pak II - 1		
30. Spare Air Cylinder		
31. Spare Air Cylinder		
32. Atomic Wipes - 25		
33. Atomic Smears - 50		
34. Dosimeters 0-5R - 10	Zero Ok:_____ Cal Due Date_____	
35. Dosimeter Charger - 1	Date Batt Repl:_____ Batt Due:_____	
36. Masslin cloth - 20		
37. KI Tablets - 1 bottle with instructions and issue sheet	Exp Date:	

EPP-10, FIGURE 14 (Cont.)

NMP EMERGENCY EQUIPMENT

Checklist

Nearsite Emergency Operations Facility Emergency Kit Inventory

Item/Equipment-Min. Quantity	Serial #/Remarks	Verified By Signature Date
38. Dimes - 25		
39. Watch - 1		
40. Check Source - 1	Ser. #	
41. Extension Cord - 1		
42. (Misc)		
43. (Misc)		
44 (Misc)		

ITEMS RESOLVED	BY/DATE

*State whether test message is Sat or Unsat
**Perform with vehicle operating

Emergency Planning Coordinator_____Date_____

EPP-10, FIGURE 15
NMP EMERGENCY EQUIPMENT

Checklist

Emergency Vehicles Inventory

I. Chem & Rad Mgt. Oncall Emergency Vehicle Kit

Location _____

Item/Equipment- Min. Quantity	Serial #/Remarks	Verified By Signature/Date
1. Emergency Survey Binder - 1		
a. EPP-6, In-Plant Emergency Surveys - 1	Rev:	
b. EPP-7, Downwind Radiological Monitoring - 1	Rev:	
c. EPP-12, Re-entry Procedure - 1	Rev:	
d. EPP-16, Environmental Monitoring - 1	Rev:	
e. EPP-24, Nuclear Transportation Accidents - 1	Rev:	
f. EPP-6/7/12, Fig. 1, In-Plant/ Downwind/Reentry Survey Log - 10	Rev:	
g. Station Floor Plans - 1	Rev:	
h. On-Site Map - 3	Rev:	
i. Off-Site Map - 3	Rev:	
j. Oswego County Map	Rev:	
k. N1-PSP-11, High Activity Drywell Atmos. Samp. and Analysis - 1	Rev:	
l. N1-PSP-12, Interim Proc. High Rng.Stk.Noble Gas Rel. Rate Mon. - 1	Rev:	
m. N1-PSP-13, Sampling High Act, Rx Water 277' Turbine - 1	Rev:	
n. S-CAP-60, Dilution of Liquid & Gas Samples of High Activity - 1	Rev:	
o. EPP-11, Attachment 1, Telephone List - 1	Rev:	
2. Clip Board - 1		
3. Pad, Pens - 2, 3		
4. Count Rate Meter - 1 Model___ GM/HP-210 Probe, (0-50k CPM)	#:____ Due Date:____ Resp. Ck:____	
5. Dose Rate Meter - 1 Model___ Ion Chamber, (0-5R/Hr)	#:____ Due Date:____ Resp. Ck:____	
6. Coveralls - 2 pair		
7. Rainsuits - 2		
8. Boot Covers - 2 pair		
9. Rubber Boots - 2 pair		

EPP-10, FIGURE 15 (Cont.)
NMP EMERGENCY EQUIPMENT

Checklist

Emergency Vehicles Inventory

Item/Equipment-Min. Quantity	Serial #/Remarks	Verified By Signature/Date
9. Rubber Gloves - 2 pair		
10. Cotton Gloves - 2 pair		
11. Full Face Resp. with Cartridges - 2	Exp Date: Date Batt Repl: Batt Due:	
12. Spare Resp. Cartridges - 4	Exp Date:	
13. Hood - 2		
14. Tape - 2		
15. Misc. plastic bags - 5		
16. Silver Zeolite Cartridges - 12	Exp Date:	
17. TEDA Charcoal Cartridges - 12	Exp Date:	
18. Fiberglass Air Filters, 47 mm - 24		
19. Air Samp. Coll. Env. - 24		
20. Petri Dishes - 24		
21. *High Volume Air Sampler with spare fuse, DC-1 #:_____ Due Date:_____ 5 min run sat:_____		
22. *High Volume Air Sampler with spare fuse, AC-1 #:_____ Due Date:_____ 5 min run sat:_____		
23. Head for Sampler - 1		
24. Flashlights - 3	Date Batt Repl:_____ Batt Due:_____	
25. "D" Cell Batteries - 6	Date Batt Repl:_____ Batt Due:_____	
26. Keys to Envir. Sta. -1		
27. Atomic Wipes - 12		
28. Atomic Smears - 50		
29. Film Badges - 2	Date:	
30. Dosimeter (0-500mr) - 2	Zero Ok:_____ Cal. Due Date:_____	
31. Dosimeter Charger	Date Batt Repl:_____ Batt Due:_____	
32. Speedi-Dry(50 lb bags) - 2		
33. **Mobile Radio #:_____	Trans/Rec. Ck:_____	
34. Masslin cloth - 20		
35. KI tablets - 1 bottle with instructions and issue sheet	Exp Date:	
36. Dimes - 25		
37. Yellow and Magenta Rope 50'-6		
38. Assorted Radiation/Contamination Tags		
39. Check Source - 1	Ser. #	
40. Extension Cord - 1		
41. (Misc) _____		
42. (Misc) _____		
43. (Misc) _____		

EPP-10, FIGURE 15 (Cont.)
NMP EMERGENCY EQUIPMENT

Checklist

Emergency Vehicles Inventory

II. Misc. Emergency Vehicle Equipment

Item/Equipment-Min. Quantity	Serial #/Remarks	Verified By Signature/Date
1. Chemistry & Radiation Management On-call vehicle #_____		
a. *AC Inverter - 1 #_____	5 min. run sat:_____	
b. **Mobil Radio - 1 #_____	Tx/Rx Ck:_____	
c. (Misc) _____	_____	
2. Chemistry & Radiation Management Environmental Vehicle #_____		
a. *AC Inverter - 1 #_____	5 min. run sat:_____	
b. **Mobile Radio - 1 #_____	Tx/Rx Ck:_____	
c. (Misc) _____	_____	
3. Operations On-Call Vehicle #_____		
a. *AC Inverter - 1 #_____	5 min. run sat:_____	
b. **Mobile Radio - 1 #_____	Tx/Rx Ck:_____	
c. (Misc) _____	_____	
4. Technical Services On-Call Vehicle #_____		
a. **Mobile Radio - 1 #_____	Tx/Rx Ck:_____	
b. (Misc) _____	_____	
c. (Misc) _____	_____	

ITEMS RESOLVED	BY/DATE
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

*Perform with vehicle operating, using an AC-High Volume Air Sampler loaded with particulate filter and charcoal cartridge.

**State whether test message is sat. or unsat.

Emergency Planning Coordinator_____ Date_____

EPP-10, FIGURE 16

NMP EMERGENCY EQUIPMENT

Checklist

Environmental Offsite Dose Estimate Cabinet Emergency Kit Inventory

Item/Equipment-Min. Quantity	Serial #/Remarks	Verified By Signature Date
1. Emergency Survey Binder - 1		
a. EPP-6, In-Plant Emergency Surveys - 1	Rev:	
b. EPP-7, Downwind Radiological Monitoring - 1	Rev:	
c. EPP-12, Re-entry Procedure - 1	Rev:	
d. EPP-16, Environmental Monitoring - 1	Rev:	
e. EPP-24, Nuclear Transportation Accidents - 1	Rev:	
f. EPP-6/7/12, Fig. 1, In-Plant/ Downwind/Reentry Survey Log - 10	Rev:	
g. Station Floor Plans - 1	Rev:	
h. On-Site Map - 3	Rev:	
i. Off-Site Map - 3	Rev:	
j. Oswego County Map - 3	Rev:	
k. N1-PSP-11, High Activity Drywell Atmos. Samp. and Analysis - 1	Rev:	
l. N1-PSP-12, Interim Proc. High Rng.Stk.Noble Gas Rel. Rate Mon. - 1	Rev:	
m. N1-PSP-13, Sampling High Act, Rx Water 277' Turbine - 1	Rev:	
n. S-CAP-60, Dilution of Liquid & Gas Samples of High Activity - 1	Rev:	
o. EPP-11, Attachment 1, Telephone List - 1	Rev:	

EPP-10, FIGURE 16
(Continued)
NMP EMERGENCY EQUIPMENT

Checklist

Environmental Offsite Dose Estimate Cabinet Emergency Kit Inventory

Kit Location _____

Item/Equipment-Min. Quantity	Serial #/Remarks	Verified By Signature/Date
2. 20 mile radius map - 1		
a) Wing Nut	_____	_____
b) Wheel Free	_____	_____
c) Condition	_____	_____
3. 4 mile radius map - 1		
a) Wing Nut	_____	_____
b) Wheel Free	_____	_____
c) Condition	_____	_____
d) Index	_____	_____
4. Dose estimator calculator -1		
a) Free to turn	_____	_____
b) Condition	_____	_____
5. *4 "C" Cell Batteries for Modified Teletector	Date Batt Repl: _____ Batt Due: _____	_____
6. Map Reference Binder	_____	_____
*Control Room Only		
7. Clip Board - 1	_____	_____
8. Pad, Pens - 2, 3	_____	_____
9. (Misc) _____	_____	_____
10. (Misc) _____	_____	_____
11. (Misc) _____	_____	_____

ITEMS RESOLVED	BY/DATE
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

Emergency Planning Coordinator _____ Date _____

EPP-10, FIGURE 17

NMP EMERGENCY EQUIPMENT

Operations Support Center Kit

Kit Locations _____

Item/Equipment-Min. Quantity	Serial #/Remarks	Verified By Signature/Date
1. Pads of Paper - 18		
2. Clip Boards - 12		
3. Pens - 24		
4. Message Forms - 200		
5. Water Color Markers - 12		
6. Area Radiation Monitor - 1 #_____ Due Date_____ 10 min run sat:_____		
7. NMPNS Site Emergency Plan (Vol 1-3) -1 Copy #_____	Rev: Date	
8. Assignment Binders - 6		
9. OSC Organization Chart with plastic overlay - 1		
10. OSC Step-Off Pad Kit		
a) Count Rate Meter-1 GM/HP-210 Probe, (0-50k CPM)	Model___ #_____ Due Date_____ Resp. Ck:	
b) Check source-1	Serial #	
c) Step-Off Pads - 4		
d) Yellow & Magenta Rope - 100 ft - 1		
e) Plastic booties - 40		
f) Signs - Radioactive Material (Paper) - 40		
g) Tape - 1 roll		
h) Radiation Sign and Inserts - 3		

EPP-10, FIGURE 17 (Cont.)

NMP EMERGENCY EQUIPMENT

Checklist

Operations Support Center Kit

Kit Locations_____

Item/Equipment-Min. Quantity	Serial #/Remarks	Verified By Signature/Date
11. Assorted Plastic Bags	_____	_____
12. *Portable Radio-6#_____ (High Band)	Tx/Rx Ck:_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
13. OSC Protective Clothing Kit	_____	_____
a) Coveralls - 20	_____	_____
b) Full Face Respirators and voice amplifier W/Canisters - 20	Date Batt Repl:_____ Exp Date:____ Batt Due:____	_____
c) Rubber Shoe Covers (L, XL) - 20 pr	_____	_____
d) Cotton Boot Covers - 20 pr	_____	_____
e) Cotton Hoods - 20	_____	_____
f) Cotton Gloves - 20 pr	_____	_____
g) Masking Tape - 10 rolls	_____	_____
h) Flashlights - 20	Date Batt Repl:_____ Batt Due:_____	_____
i) "D" Cell Batteries - 40	Date Batt Repl:_____ Batt Due:_____	_____
j) Dosimeters 0-5R - 20	Zero Ok:___ Cal Due Date:___	_____
k) Dosimeter charger (on wall)	Date Batt Repl:_____ Batt Due:_____	_____
14. Wall Telephones - 3	_____	_____
a. outside line - 2	_____	_____
b. TSC - Damage Control and Repairs - 1	_____	_____
c. TSC - Chem & Rad Mgt - 1	_____	_____
15. (Misc) _____	_____	_____
16. (Misc) _____	_____	_____
17. (Misc) _____	_____	_____
18. (Misc) _____	_____	_____

ITEMS RESOLVED	BY/DATE
_____	_____
_____	_____
_____	_____

*State whether test message is sat or unsat

Emergency Planning Coordinator_____ Date_____

EPP-10, FIGURE 18

NMP EMERGENCY EQUIPMENT

Checklist

Emergency Communication System

Location _____

1. NYS Radiological Emergency Communication System (RECS) Hotline*

Circuit Number _____

Agency Contacted	Remarks	Verified by Signature/Date
a) Nine Mile Point Control Room		
b) Fitzpatrick Control Room		
c) Oswego County Warning Point		
d) Oswego County EOC**		
e) NYS ODP Central District**		
f) NYS Dept of Radiological Health**		
g) NYS Division of State Police (Alternate State Warning Point)		
h) NYS ODP Radiological (State EOC)**		
i) NYS Warning Point		
j) Nearsight EOF		
k) AEOF		

2. NRC Emergency Operations Center (ENS-Hotline)**

Circuit Number _____

Agency Contacted	Person Contacted	Remarks	Verified by Signature/Date
NRC Headquarters			

3. NRC Health Physics Network(HPN Hotline)***

Circuit Number _____

Agency Contacted	Person Contacted	Remarks	Verified by Signature/Date
a) NRC Headquarters #22			
b) NRC Regional Office #23			

EPP-10, FIGURE 18 (Cont.)

NMP EMERGENCY EQUIPMENT

Checklist

Emergency Communication System

Location _____

4. Dedicated Lines (Hotlines)

Communications Link Utilized	Person Contacted	Verified by Signature/Date
a) TSC-EOF		
b) TSC-EOF *		
c) TSC-OSC *		
d) TSC-OSC *		
e) TSC-CR *		
f) TSC-Corporate EOC *		
g) EOF-Security *		
h) EOF-Corporate EOC *		
i) EOF-Jnc. *		
j) JNC-Corporate EOC *		

5. Radio Communications

Communications Link Utilized	Person Contacted	Verified by Signature/Date
a) TSC Base Stations		
1. Voice Communication		
2. Pager		
b) CR Base Station		
1. Voice Communication		
2. Pager		
c) Oswego County EOC Base Station		
d) Corporate EOC Base Station		
e) Oswego County Fire Control Base Station		
f) EOF Base Station		
g) AEOF Base Station		

6. Misc

*Proprietary information. For controlled copies only.

EPP-10, FIGURE 18 (Cont.)

NMP EMERGENCY EQUIPMENT

Checklist

Emergency Communication System

Location_____

*Refer to Attachment 1 for NYS RECS Procedure and message content.

** A recall of this station is not required if no answer is received.

***Message Content

(1) This is the Nine Mile Point Nuclear Station
(2) Testing individuals name and number
(3) This is a test of the emergency communication system utilized to activate the (NRC or Health Physics) radiological emergency response network from the NMPNS_____(state location). Ask if reception is clear.
(4) This ends a test of the NMPNS emergency communication system.

ITEMS RESOLVED	BY/DATE
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

Emergency Planning Coordinator_____ Date_____

EPP-10, FIGURE 19
NMP EMERGENCY EQUIPMENT
Checklist

SCBA Surveillance Sheet

MONTH_____

LOCATION	CASE #	TANK * HYDRO DATE	TANK ID #	REGULATOR ID #	REGULATOR ** OVERHAUL DATE	REGULATOR ** INSPECTION DATE	*** VOICE PK OP CK	*** VOICE PK DATE BATT REPL	**** TANK AIR PRESSURE (PSIG)

VERIFIED BY/DATE_____

Emergency Planning Coordinator_____Date_____

* TANK HYDRO REQUIRED EVERY 5 YEARS.

** INSPECTION OF REGULATOR RECOMMENDED EVERY 5 YEARS IN CONJUNCTION WITH TANK HYDRO. THIS MAY OR MAY NOT REQUIRE A COMPLETE OVERHAUL.

*** STATE WHETHER OPERABILITY IS SATISFACTORY. NOTE DATE BATTERY REPLACED.

**** MINIMUM ALLOWABLE PRESSURE 2000 PSIG.

EPP-10, FIGURE 20

NMP EMERGENCY EQUIPMENT CHECKLISTS

NINE MILE POINT UNIT #2

I. EMERGENCY PERSONNEL DECONTAMINATION KIT

Kit Location _____

Item/Equipment-Min. Quantity	Serial #/Remarks	Verified by Signature/Date
1. Paper Bath Towels - 25		
2. Paper Hand Towels - 2 pkgs		
3. Disposable Plastic Gloves - 1 box		
4. Assorted Plastic Bags		
5. Disposable Coveralls - 1 box		
6. Plastic Booties - 100		
7. Antiseptic soap - 1 1 tr. bottle		
8. Prell shampoo-3/60 ml. bottles		
9. Alconox - 1 liter bottle		
10. Tide - 1 20 oz. box		
11. Rad. Con - 2 cans		
12. Cotton Tip Swabs - 100		
13. Surgical Scrub Brushes - 10		
14. 150 ml Beakers - 6		
15. Masking Tape - 2 rolls		
16. Grey Duct Tape - 1 roll		
17. Stepoff Pads - 4		
18. Yellow & Magenta Rope - 50 ft.		
19. Assorted Radiation/ Contamination Tags		
20. Dosimeters (0-500 mR)-6	Zero Ok:_____ Due Date_____	
21. Dosimeter Charger - 1	Date Batt Repl:_____ Batt Due:_____	
22. Count Rate Meter - 1 GM/HP-210 Probe, (0-50k CPM)	Model____ #:_____ Due Date____ Resp. Ck:_____	
23. Sample Envelopes - 12		
24. Lanolin - 1 bottle		
25. Trash Receptacle - 1		
26. Bandage Scissors - 1		
27. Masslin Cloth - 20		
28. Soap Bars - 10		
29. (Misc.) _____		
30. (Misc.) _____		
31. (Misc.) _____		

EPP-10, FIGURE 20 (Cont.)
NINE MILE POINT UNIT #2

II. Emergency Personnel Monitoring Kit
Kit Location _____

Item/Equipment-Min. Quantity	Serial #/Remarks	Verified by Signature/Date
1. Coveralls - 8	_____	_____
2. Cotton Glove Liners - 20	_____	_____
3. Rubber Gloves - 8 pair	_____	_____
4. Cotton Gloves - 8 pair	_____	_____
5. Cotton Boot Covers - 8 pr.	_____	_____
6. Rubber Shoe Covers (XL) - 8 pair	_____	_____
7. Cotton Hoods - 8	_____	_____
8. Masking Tape - 4	_____	_____
9. Full Face Respirators w/cannisters - 8	_____	_____
	Exp Date: _____	_____
10. Yellow and Magenta Rope 50 ft. - 8	_____	_____
11. Stepoff Pads - 16	_____	_____
12. Grey Duct Tape - 8	_____	_____
13. Dosimeters (0-500 mR) - 8	_____	_____
	Zero Ok____ Due Date_____	_____
14. Dosimeter Charger - 1	Date Batt Repl: _____	_____
	Batt Due: _____	
15. Count Rate Meters - 6 GM/HP-210 Probe, (0-50k CPM)		
a.	Model____ #_____ Due Date____ Resp. Ck: _____	_____
b.	Model____ #_____ Due Date____ Resp. Ck: _____	_____
c.	Model____ #_____ Due Date____ Resp. Ck: _____	_____
d.	Model____ #_____ Due Date____ Resp. Ck: _____	_____
e.	Model____ #_____ Due Date____ Resp. Ck: _____	_____
f.	Model____ #_____ Due Date____ Resp. Ck: _____	_____
16. Check Source -1	Ser. #_____	_____
17. (Misc) _____	_____	_____
18. (Misc) _____	_____	_____
19. (Misc) _____	_____	_____

ITEMS RESOLVED	BY/DATE
_____	_____
_____	_____
_____	_____
_____	_____

Emergency Planning Coordinator _____ Date _____

EPP-10, FIGURE 21

Emergency TLD Checklist

TLD ID #	Location Description	TLD# In	TLD# Out	Condition	Verified By Signature/Date
A-1	*				
		____	____	____	____/
B-1	*				
		____	____	____	____/
C-0	*				
		____	____	____	____/
D-1	*				
		____	____	____	____/
D-3	*				
		____	____	____	____/
E-3	*				
		____	____	____	____/
E-5	*				
		____	____	____	____/
E-8	*				
		____	____	____	____/
F-3	*				
		____	____	____	____/
F-5	*				
		____	____	____	____/
F-7	*				
		____	____	____	____/
G-4	*				
		____	____	____	____/

*Propreitory information.
For controlled copies only.

EPP-10, FIGURE 21
(Continued)

Emergency TLD Checklist

TLD ID #	Location Description	TLD# In	TLD# Out	Condition	Verified By Signature/Date
G-7	*				/
G-9	*				/
H-2	*				/
H-5	*				/
H-7	*				/
J-2	*				/
J-5	*				/
J-6	*				/
J-7	*				/
K-2	*				/
K-5	*				/

*Proprietory information.
For controlled copies only.

EPP-10, FIGURE 21

Emergency TLD Checklist

TLD ID #	Location Description	TLD# In	TLD# Out	Condition	Verified By Signature/Date
K-7	*	[redacted]			
					/
L-2	*	[redacted]			
					/
L-3	*				
					/
L-4	*				
					/
L-7	*				
					/
M-2	*				
					/
N-1	*				
					/
O-1	*				
					/
P-1	*				
					/
Q-1	*				
					/

*Proprietory information. For controlled copies only.

EPP-10, FIGURE 21

Emergency TLD Checklist

TLD ID #	Location Description	TLD# In	TLD# Out	Condition	Verified By Signature/Date
Controls	-2 NMPNS Administration Bldg. on Lead Pig				/
					/

*Attach TLD results to this checklist.

ITEMS RESULTED		BY/DATE
		/
		/
		/
		/

Emergency Planning Coordinator: _____ Date _____

EPP-10, FIGURE 22

NMP Emergency Equipment

Checklist

Portable Emergency Personnel Decon Kit

Location _____

Item/Equipment-Min. Quantity	Serial #/Remarks	Verified by Signature/Date
1. Coveralls - 6		
2. Paper Bath Towels - 10		
3. Paper Towels - 3		
4. Disposable Gloves - 1 box		
5. Assorted Plastic Bags		
6. 4 x 4 Steri Pads - 1 box		
7. Scissors, Bandage Type - 1		
8. Antiseptic Soap - 1 ltr.		
9. Lanolin - 1		
10. Tide - 1 20 oz. box		
11. Alconox - 1 ltr. bottle		
12. Titanium Dioxide - 3		
13. Potassium Permanganate - 3		
14. Sodium Bisulfite - 3		
15. Prell Shampoo - 2 60ml. bottles		
16. Shaving Cream - 1		
17. Disposable Razors - 12		
18. Cotton Swabs - 300		
19. Plastic Booties - 50		
20. 150 ml Beakers - 6		
21. Rad Con - 2		
22. Surgical Scrub Brushes - 10		
23. Masking Tape 2" - 3		
24. Soap Bars - 10		
25. (Misc) _____		
26. (Misc) _____		
27. (Misc) _____		

ITEMS RESOLVED	BY/DATE

Emergency Planning Coordinator _____ Date _____

EPP-10 FIGURE 23

NMP EMERGENCY EQUIPMENT
CHECKLIST

Personnel Decontamination Room Supplies Kit

Location _____

Item/Equipment-Min. Quantity	Serial #/Remarks	Verified by: Signature/Date
1. Coveralls - 6		
2. Paper Bath Towels - 1 carton		
3. Paper hand towels - 6		
4. Disposable gloves - 1 box		
5. Assorted Plastic bags - 30		
6. 4 x 4 steri pads - 1 box		
7. Scissors (bandage type)-1		
8. Complete First Aid Kit - 1		
9. Antiseptic soap-2 liter btls.		
10. Tide 20 oz. - 2		
11. Lanolin - 2		
12. Alconox - 2 liter bottles		
13. Titanium Dioxide - 3		
14. Potassium Permanganate - 3		
15. Sodium Bisulfite - 3		
16. Prell shampoo-4 60 ml. btls.		
17. Shaving cream - 2 cans		
18. Disposible razors - 12		
19. Cotton swabs - 300		
20. Plastic booties - 50 pair		
21. 150 ml. plastic beakers - 6		
22. Rad Con. - 4		
23. Surgical Scrub brushges - 10		
24. Half face respirators w/filters.		
25. Spare respirator filters-6		
26. Masking tape - 2		
27. Grey duct tape - 1		
28. Step off pads - 4		
29. Sample envelopes - 12		
30. Trash receptical - 1		
31. Masslin cloth - 20		
32. Assorted Radiation/Contamination Tags		
33. Soap Bars - 10		
34. (Misc.)		
35. (Misc.)		
36. (Misc.)		

Items Resolved	By/Date

Emergency Planning Coordinator _____ Date _____

EPP-10 FIGURE 24

NMP EMERGENCY EQUIPMENT
CHECKLIST

Damage Repair Supplies

Item/Equipment-Min. Quantity	Serial #/Remarks	Verified by: Signature/Date
1. 500 ft Triplex 4/0 Cu 5 KV insulated cable with 1/0 cu. 5KV insulated ground		/
2. 500 ft Duplex #2 AWG Cu, 600V insulated cable		/
3. 100 ft 2 conductor #10 Cu 60V insulated cable		/
4. 10 ft 1 conductor #12 SIS Wire		/
5. 4 Kerite Co.Splice Kits, No. S-3018 or equivalent		/
6. 2 Kerite Co. Splice Kits, No. S-3001 or equivalent		/
7. 2 Kerite Co. Termination Kits, No. T-4018 or equivalent		/
8. 2 Kerite Co. Termination Kits, No. T-4001 or equivalent		/
9. 2 Kellems Cable Support Grips Model No. RR250-HE or equivalent		/
10. 2 Kellems Cable Support Grips Model No. RR150-HE or equivalent		/
11. 8 BurndyHyline No. YS28, #4/0 splices or equivalent		/
12. 2 Burndy Hyline No. YS2C, #2 splices or equivalent		/
13. 1 Burndy Hylink No. YSM27, parallel splices or equivalent		/
14. 1 Burndy Hylink No. YSM25, parallel splices or equivalent		/
15. 3 Burndy Hylug No. YA28-2N 4/0 terminal or equivalent		/
16. 1 Burndy Hylug No. YA25-2N 1/0 terminal or equivalent		/
17. 8 Burndy Hylug No. YA2C-2N #2 terminal or equivalent		/
18. 2 Burndy Reducing Adaptor No. Y2825R or equivalent		/
19. 2 Burndy Reducing Adaptor No. Y2826R or equivalent		/

9

EPP-10 FIGURE 24
(Continued)

NMP EMERGENCY EQUIPMENT
CHECKLIST

Damage Repair Supplies

Item/Equipment-Min. Quantity	Serial #/Remarks	Verified by: Signature/Date
20. 4 Burndy Hylug Ring - tongue terminals - No.YAV10-T3 or equivalent		/
21. 2 Fuse 6 amp (for powerboard 171 control circuit)		/
22. 1 Burndy Hytool Crimping tool MY28 or equivalent		/
23. 1 Burndy Crimping Tool Y10ME-4 or equivalent		/
24. 1 Breaker Elevator Hand Crank (GE for Magne blast circuit breaker)		/
25. 1 Hxrsaw and 20 extra blades		/
26. 1 5/8" ratchet wrench (for breaker closing spring charging)		/
27. 2 sets - Wrenches and screw-drivers to cable and wire disconnection		/
28. 2 sets - Cable cutting and splicing tools		/
29. 2 Insulated fuse puller		/
30. 3 sets - Bus grounding cables		/

Items Resolved	By/Date
	/
	/
	/
	/

Nuclear Generation Storeroom Supervisor _____ Date _____

Emergency Planning Coordinator _____ Date _____

ATTACHMENT 1

PROCEDURES FOR NEW YORK STATE
RADIOLOGICAL EMERGENCY COMMUNICATIONS SYSTEM (RECS)

In the event of a radiological incident requiring a report (initial and followup notificaton fact sheets) to Counties and State, the Nuclear Facility Operators, Counties and State agencies will comply with the following procedures.

II. NINE MILE POINT NUCLEAR STATION and JAMES A. FITZPATRICK NUCLEAR POWER PLANT

A. LICENSEES

1. Control Room operator will pick up handset which activates automatic ring.** After ringing stops, operator will announce: "THIS IS TO REPORT AN INCIDENT AT (SITE). STAND BY FOR ROLL CALL." (Conduct roll call to include the following stations:)

"Oswego County Warning Point
NYS Warning Point (ODP during duty hours, State Police during non-duty hours)"

During duty hours, the following station may be active to receive information.

*** NYS Health Department (Radiological Health)
*** NYS ODP Radiological (State EOC)
*** NYS ODP Central District
*** Oswego County EDC

*** These stations do not have to be present on telephone before licensee operator begins message information. If these stations want repeat of information, State Warning Point will comply.

NOTE #1 - During non-duty hours, the State Police will notify and give information to personnel listed on notification lists maintained by the State Health Department and State ODP via commercial telephone (see Attachments 5 & 6). State ODP will notify and give information to ODP Central District in accordance with its notification procedures via commercial telephone.

NOTE #2 - In the event Oswego County Warning Point does not answer roll call, licensee operator will proceed with information, ODP Central District (during duty hours) or State Warning Point (during non-duty hours) will be responsible to notify Oswego County Warning Pont and give required information.

2. Upon completion of roll call, operator will give information outlined on Initial Notification Fact Sheet (see Attachment 9).

3. Operator will again call roll, by saying, "(NAME OF STATION) did you copy?"

4. Operator will sign off by saying, "(LICENSEE NAME) out at (TIME) LOCAL and (DATE)".

5. Operator will record dissemination of information on log.

b. COUNTY WARNING POINT (EOC)

1. When phone rings (beehive light ON), operator will pick up handset after hearing its station name being called, identify by saying, "THIS IS OSWEGO COUNTY, (NAME) speaking."

2. Operator will take information as given by licensee operator and copy on Initial Notification Fact Sheet (see attachment 9).

3. After hearing its name, operator will answer, "OSWEGO COUNTY copied."

4. Operator will sign off by hanging up handset.

5. Operator will record receipt of information on log.

6. Operator will notify County officials in accordance with County implementing Procedures.

C. STATE WARNING POINT (EOC)

1. When phone rings (beehive light ON), operator will pick up handset aftering hearing its station name being called, identify by saying, "THIS IS STATE WARNING POINT (STATE EOC), (NAME) speaking."

2. Operator will take information as given by licensee operator and copy on Initial Notification Fact Sheet (See Attachment 9).

3. After hearing its name, operator will answer, "STATE WARNING POINT copied."

4. Operator will sign off by hanging up handset.

5. Operator will record receipt of information on log.

   IF AFTER DUTY HOURS - State Police operator will call via commercial telephone, State Health Department personnel (Attachment 5), then call State ODP personnel (Attachment 6) and transmit information received. (See Note #1).

   IF AFTER DUTY HOURS - State ODP will call via commercial telephone, ODP Central District personnel (DMNA Directory) and transmit information received. (See note #1 above).

   AFTER DUTY HOURS - If Oswego County Warning Point does not answer roll call, State Police operator will notify Oswego County Warning Point and give required information. (See Note #2).

6. Operator will notify State officials in accordance with State implementing procedures (Part III, Section 1B, NYS Radiological Emergency Preparedness Plan).

D. STATE HEALTH DEPARTMENT

1. When phone rings (beehive light ON), operator will pick up handset after hearing its station name being called, identify by saying. "THIS IS STATE HEALTH DEPARTMENT, (NAME) speaking."

2. Operator will take information as given by licensee operator and copy on Initial Notification Fact Sheet (see Attachment 9).

3. After hearing its name, operator will answer "STATE HEALTH DEPARTMENT copied."

4. Operator will sign off by hanging up handset.

5. Operator will record receipt of information on log.

   IF AFTER DUTY HOURS - Health Department personnel will be notified by State Police personnel and copy the information received. (See Note #1).

6. Operator will notify Health Department officials in accordance with the Department's procedures.

E. ODP CENTRAL DISTRICT

1. When phone rings (beehive light ON), operator will pick up handset after hearing its station name being called, identify by saying, "THIS IS ODP CENTRAL DISTRICT, (NAME) speaking."

2. Operator will taken information as given by licensee operator and copy on Initial Notification Fact Sheet (see Attachment 9).

3. After hearing its name, operator will answer, "ODP CENTRAL DISTRICT copied."

4. Operator will sign off by hanging up handset.

5. Opertor will record receipt of information on log.

   IF AFTER DUTY HOURS - ODP Central District personnel will be notified by State ODP and copy the information received. (See Note #1).

   If Oswego County Warning Point doesn't answer, ODP Central District will notify said station and transmit the information received. (See Note #2)

6. Operator will notify District officials in accordance with District procedures.

*RECS test procedures are covered in Attachment 2.

**At present only the Indian Point RECS has a manual ring capability. NMPNS/JAFNPP RECS has an automatic ring capability.

ATTACHMENT 1
(Continued)

TEST PROCEDURES FOR NEW YORK STATE
RADIOLOGICAL EMERGENCY COMMUNICATIONS SYSTEM (RECS)

1) NYS Warning Point (NYSWP) will depress ring button and release.* After ringing stops, NYSWP will pick up handset and announce: "THIS IS A TEST. REPEAT. THIS IS A TEST. This is NYS WARNING POINT calling all stations. Stand by for roll call."

(NYSWP WILL CALL ROLL ACCORDING TO SEQUENCE OF CALLS IN 10 BELOW)

2) All stations will lift up handset and answer roll call after hearing ring and its station name over loudspeaker by saying, "(NAME OF STATION) TEST." (DO NOT LIFT UP HANDSET UNTIL YOUR STATION IS CALLED.)

3) After completing roll call, NYSWP will recall all stations not answering, saying, "NYS WARNING POINT recalling (NAME OF STATION NOT ANSWERING)." (NAME OF STATION RECALLED) will answer using terminology in 2 above.

4) NYSWP will sign off by saying, "END OF TEST, NYS WARNING POINT out at (TIME) LOCAL AND (DATE)."

5) All stations will log results (the Radiological Emergency Communications System Log enclosed may be used).

6) All stations not answering initial test will be called on commercial telephone by NYSWP for reasons. Problems will be reported immediately to the trouble number_____reporting circuit_____ failed.

(CIRCUIT FAILURES WILL BE RECORDED IN RED INK ON LOGS)

7) If circuit failures occur, station that has failure will call by commercial telephone, NYSWP and appropriate County Warning Point(s) and report outage and time when back in service.

8) TEST SCHEDULE - Tests will be conducted bi-weekly on Tuesdays preceding the bi-weekly NAWAS tests according to the following:

A) Indian Point at 9:45 a.m.

B) Nine Mile Point at 9:30 a.m.

Test schedules will be issued by NYSWP.

9) Unannounced tests will be conducted as necessary.

*At present only the Indian Point Unit 2 and Unit 3 RECS has a manual ring capability, NMPNS/JAFNPP RECS has an automatic ring capability.

10) SEQUENCE OF ROLL CALL

NMP/JAF - called in the following order:

Nine Mile Point Control Room
FitzPatrick Control Room
Oswego County Warning Point
Oswego County EOC
NYS ODP Central District
NYS Department of Health (Radiological Health)
NYS Division of State Police (Alternate State Warning Point)
NYS ODP Radiological (State EOC)
NYS Warning Point
(Other licensee operational areas having RECS phones will be tested by licensee)

ATTACHMENT 1
(Continued)

NEW YORK STATE
RADIOLOGICAL EMERGENCY COMMUNICATIONS SYSTEM

LOG

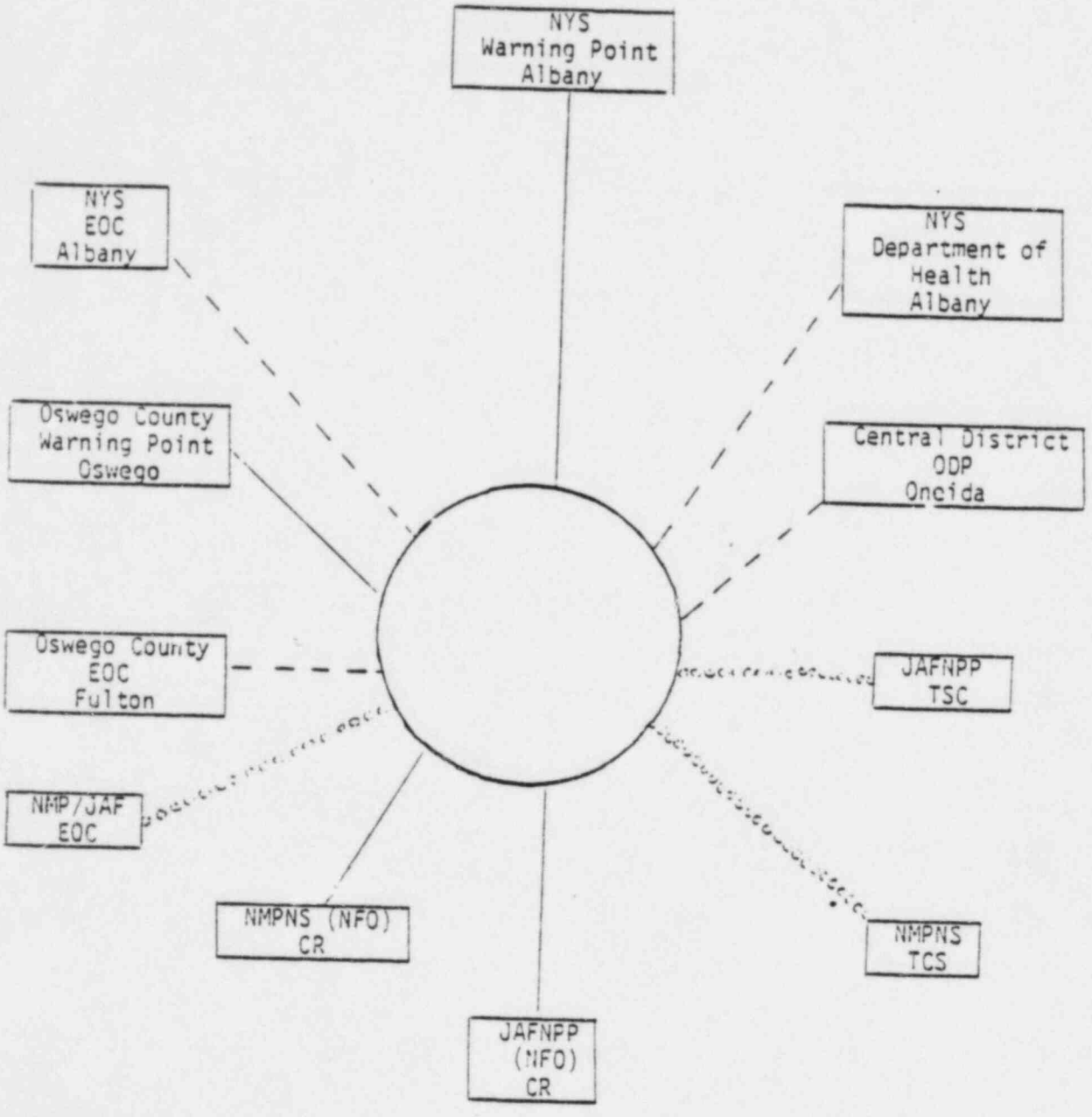
Month ____________

Year ____________

Date	Local Time	From/To	Type of Call/Message Summary	Rec. By

ATTACHMENT 1 (Cont.)

Radiological Emergency Communications System (RECS)
Nine Mile Point Nuclear Station (NMPNS) & James A. FitzPatrick Nuclear Power Plant (JAFNPP)



LEGEND:

——— manned 24 hours
- - - - manned during duty hours
oooooo manned during emergencies and exercises

This communication system is activated by any party picking up its RECS instrument. All parties are activated simutaneously on same line.