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Revised 7/12/90 WB

SUBJECT: Forwards revs to emergency plan & EPIPs,including Rev 12 to SC-200,Rev 32 to SC-410 & Rev 1 to SC-423.W/900612 ltr.

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June 12, 1990

U. S. Nuclear Regulatory Commission
Document Control Desk
Attn: Mr. Allen Johnson
Project Directorate I-3
Washington, D. C. 20555

Subject: Revisions to Emergency Plan Implementing Procedures and to Nuclear Emergency Information Plan
R. E. Ginna Nuclear Power Plant
Docket No. 50-244

Gentlemen:

In accordance with 10 CFR 50.4(b)(5), enclosed are revisions to Ginna Station Emergency Plan Implementing Procedures and to Nuclear Emergency Information Plan.

Very truly yours,

Robert C. Mecredy
Division Manager
Nuclear Production

Enclosures

xc: Mr. Robert Gallo, USNRC, Region I
Resident Inspector, Ginna Station

Acct No P340957247

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ROCHESTER GAS AND ELECTRIC CORPORATION

GINNA STATION

CONTROLLED COPY NUMBER 23

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PROCEDURE NO. SC-200 REV. NO. 11

EMERGENCY RESPONSE ORGANIZATION/RESPONSIBILITIES

TECHNICAL REVIEW

PORC REVIEW DATE SEP 22 1988

PLANT SUPERINTENDENT

SEP 27 1988

EFFECTIVE DATE

QA X NON-QA CATEGORY 1.0

REVIEWED BY:

THIS PROCEDURE CONTAINS 60 PAGES

~~Superseded pages per Rev to EPIP EPIPs 90-244~~

Superceded pages per Revisions to EPIP and EPIPs 9006250316

Rev 12 to SC-200, Rev 32 to SC-410 6/12/90

Rev 1 to SC-423

90-244 6/12/90

9006250316

SC-200

EMERGENCY RESPONSE ORGANIZATION/RESPONSIBILITIES

1.0 PURPOSE:

1.1 The purpose of this procedure is to provide a method to define and implement Emergency Response Organization. The functions and responsibilities of each position are also defined.

2.0 REFERENCES:

2.1 O-9.3 NRC Immediate Notification

2.2 SC-100 Ginna Station Event Evaluation and Classification

2.3 SC-110 Ginna Station Event Evaluation for Reducing The Classification

2.4 SC-120 Post Accident Recovery

2.5 SC-213 Accountability of Personnel

2.6 SC-233 Search and Rescue Operations

2.7 SC-302 Manning the Technical Support Center

2.8 SC-312 Manning the Operations Support Center

2.9 SC-322 Manning the Emergency Survey Center

2.10 SC-600 Emergency Plan Qualification and Notification

2.11 SC-601 Unusual Event Notification

2.12 SC-602 Alert Notification

2.13 SC-603 Site Emergency Notification

2.14 SC-604 General Emergency Notification

2.15 SC-701 Initial Notification Status Report

2.16 SC-705 Weather and Radiation Monitor Report

2.17 PC-25.7.11 Post Accident Sampling at the PASS

3.0 INSTRUCTIONS:

3.1 The Emergency Response Organizations defined in Appendix I represent the minimum level of activation that will be initiated for each of the levels of Emergency Classification defined in SC-100, Ginna Station Event Evaluation and Classification.

3.2 The Shift Supervisor, or Emergency Coordinator, will activate the minimum required organization, as follows:

3.2.1 Unusual Event - the organization defined in Figure U-1 which is the normal Control Room organization will respond to an Unusual Event per procedure SC-201. The Shift Supervisor has the position and authority of Emergency Coordinator until relieved by Plant Superintendent or alternate.

The management personnel will respond per organization Figure U-2 to support the Control Room with communications to off-site agencies.

3.2.2 ALERT - the organization defined in Figure A-1 is the Technical Support Center Emergency Response organization. At this level the Shift Supervisor remains Emergency Coordinator until relieved by the TSC Director. When relieved the Shift Supervisor should report to the Plant Operations Assessment Manager.

3.2.3 Site or General Emergency - The organization defined in Figure S-1 is activated. The Emergency Coordinator reports to the EOF/Recovery Center through the Nuclear Operations Manager.

3.3 The Shift Supervisor, or Emergency Coordinator, may activate Emergency Support Organizations if he deems them necessary to assess, mitigate, or recover from the incident.

3.4 Classification of an incident is a function of the plant condition and not the organizations that have been activated.

3.5 Recovery Organization - EOF organization is shown in Figure R-1. For the operation of the EOF, see OFFSITE RESPONSE PROCEDURE.

3.6 The functions and responsibilities of the various positions which make up the emergency organizations are shown in Appendix II.

APPENDIX I

EMERGENCY RESPONSE ORGANIZATION CHARTS

SYMBOL DEFINITION

1. _____ Indicates a line of supervision and communication

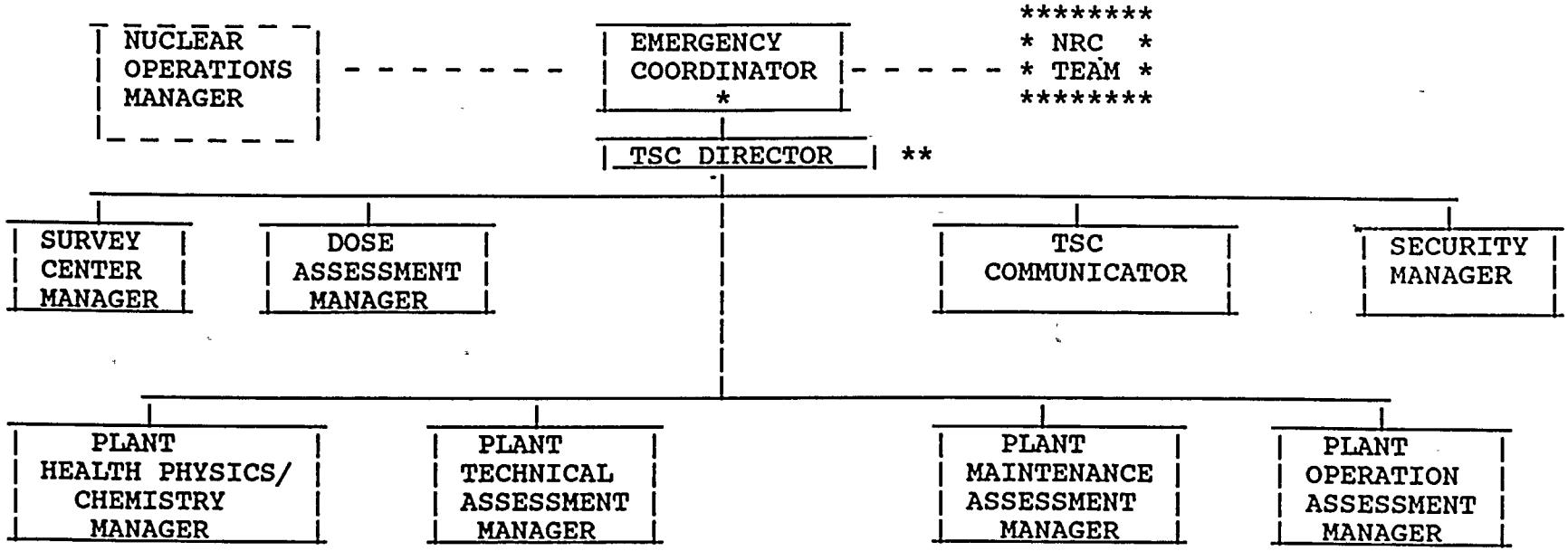
2. __ __ __ __ Indicates a line of communication only.

3. Indicates a defined Emergency Response Facility function which will be activated for the identified Emergency Classification

4. Indicates a defined Emergency Response Facility function which will be activated by the Emergency Coordinator if it is deemed necessary.

5. * * * * * * * * * Indicates a function which is not under the control of the Rochester Gas and Electric Corporation. Such functions are shown only for clarity and to indicate lines of communications

FIGURE 1

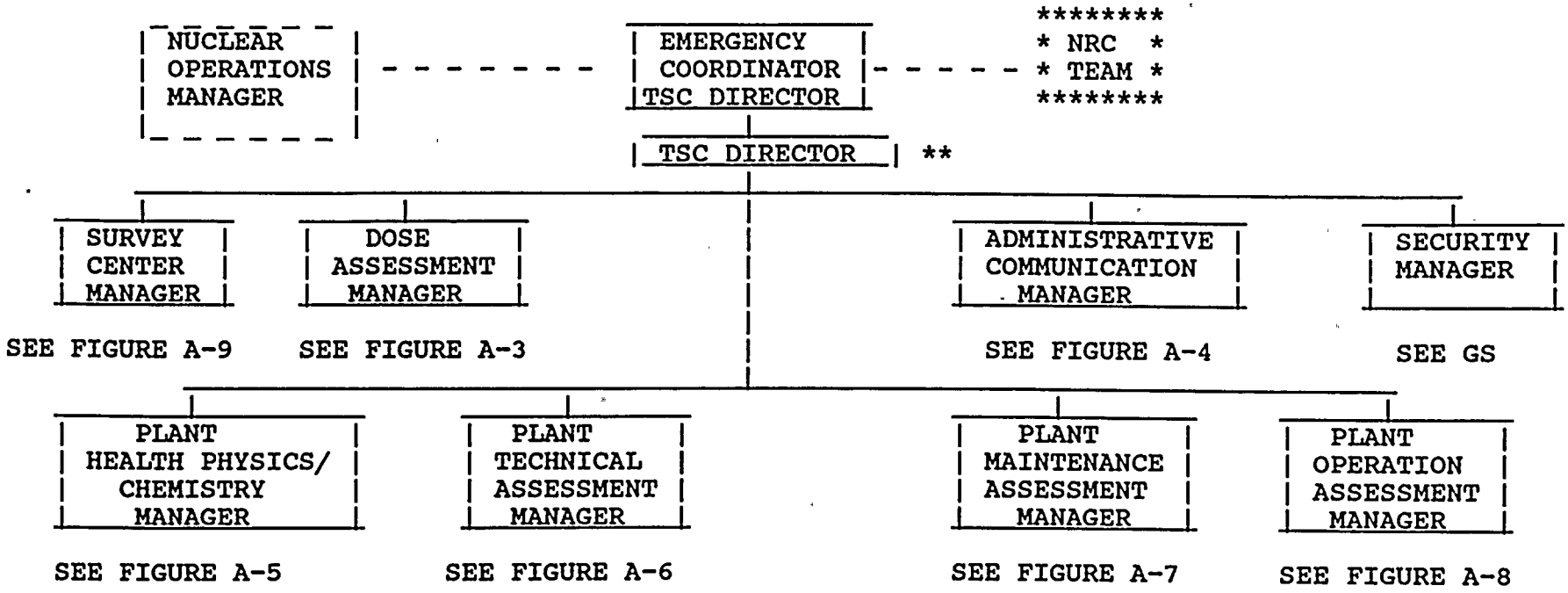


* EMERGENCY COORDINATOR MAY BE SHIFT SUPERVISOR OR TSC DIRECTOR DEPENDING ON STAFFING

** TSC DIRECTOR POSITION IS NOT REQUIRED WHEN EMERGENCY COORDINATOR IS IN THE TSC FOR ALERT ORGANIZATION OR GREATER

ALERT EMERGENCY RESPONSE ORGANIZATION

FIGURE A-1

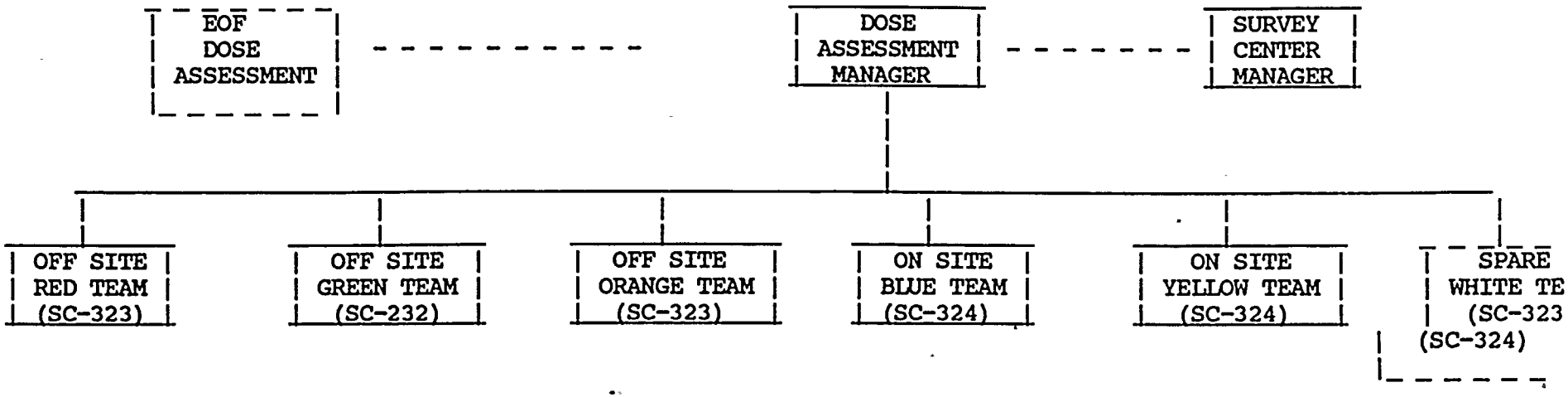


ALERT LEVEL EMERGENCY SUPPORT ORGANIZATION

FIGURE A-2

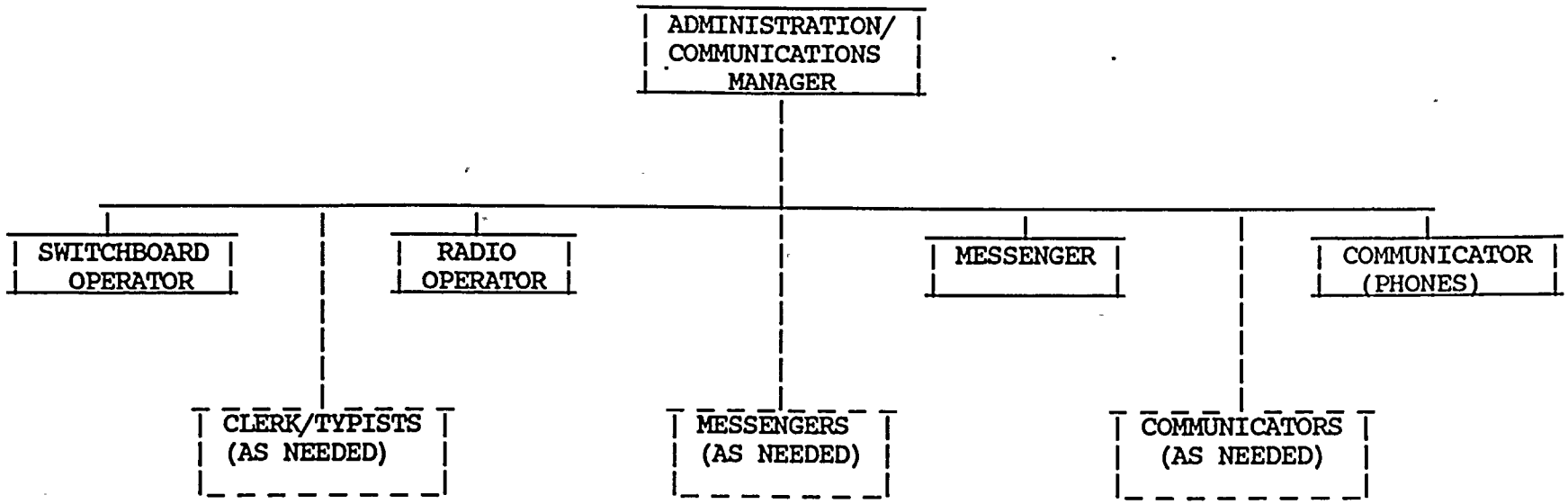
TO BE ACTIVATED AT DISCRETION OF EMERGENCY COORDINATOR AS APPROPRIATE

** TSC DIRECTOR POSITION IS NOT REQUIRED WHEN EMERGENCY COORDINATOR IS IN THE TSC FOR ALERT ORGANIZATION OR GREATER



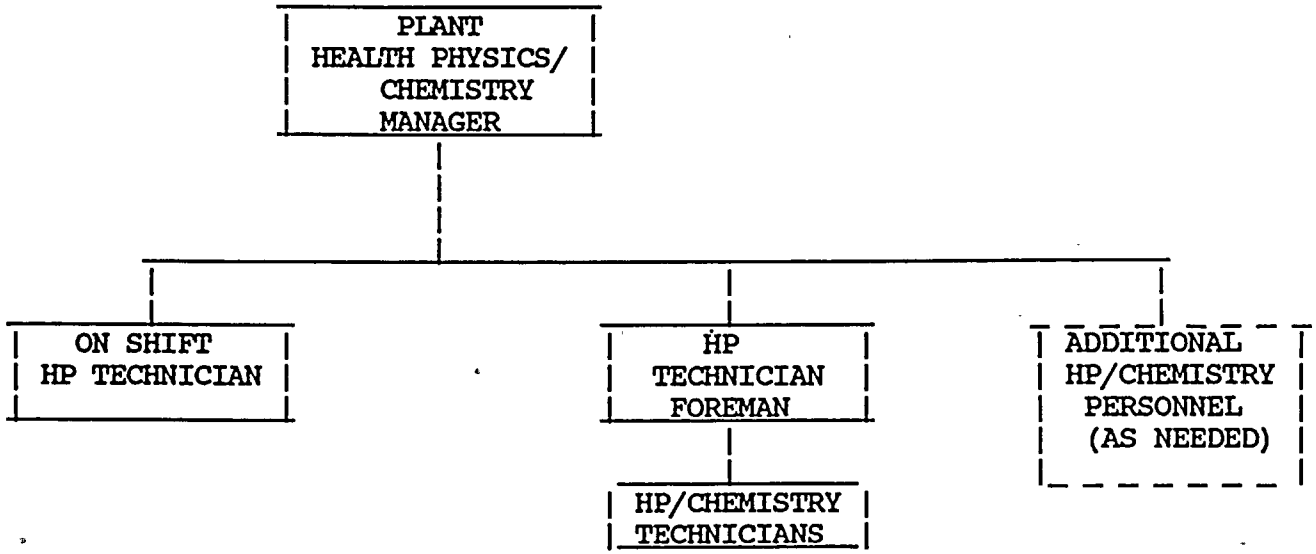
ALERT LEVEL EMERGENCY SUPPORT DOSE ASSESSMENT ORGANIZATION

FIGURE A-3



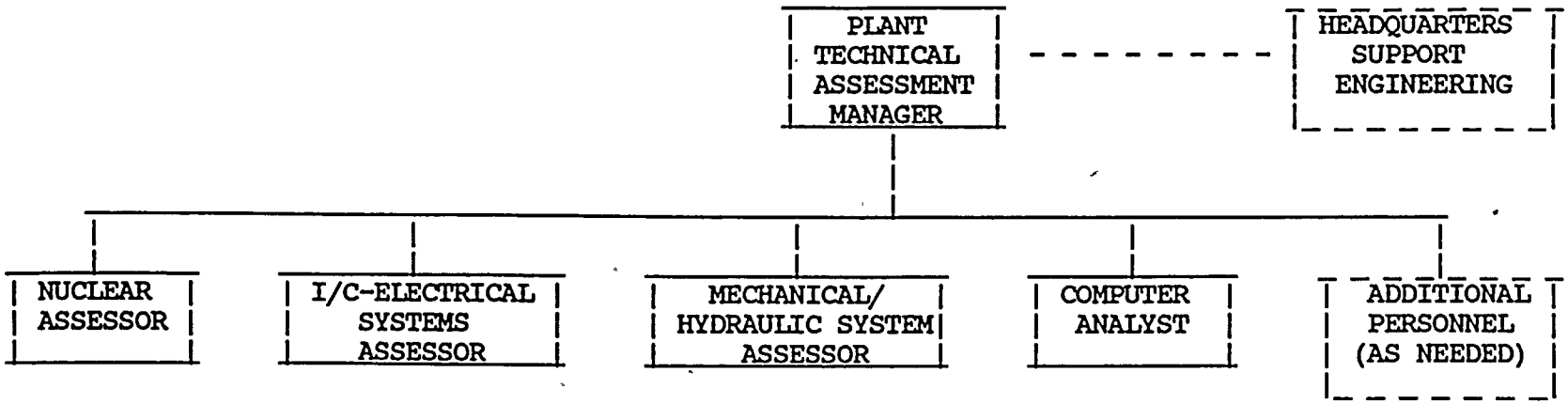
ALERT LEVEL EMERGENCY SUPPORT ADMINISTRATIVE/COMMUNICATION ORGANIZATION

FIGURE A-4



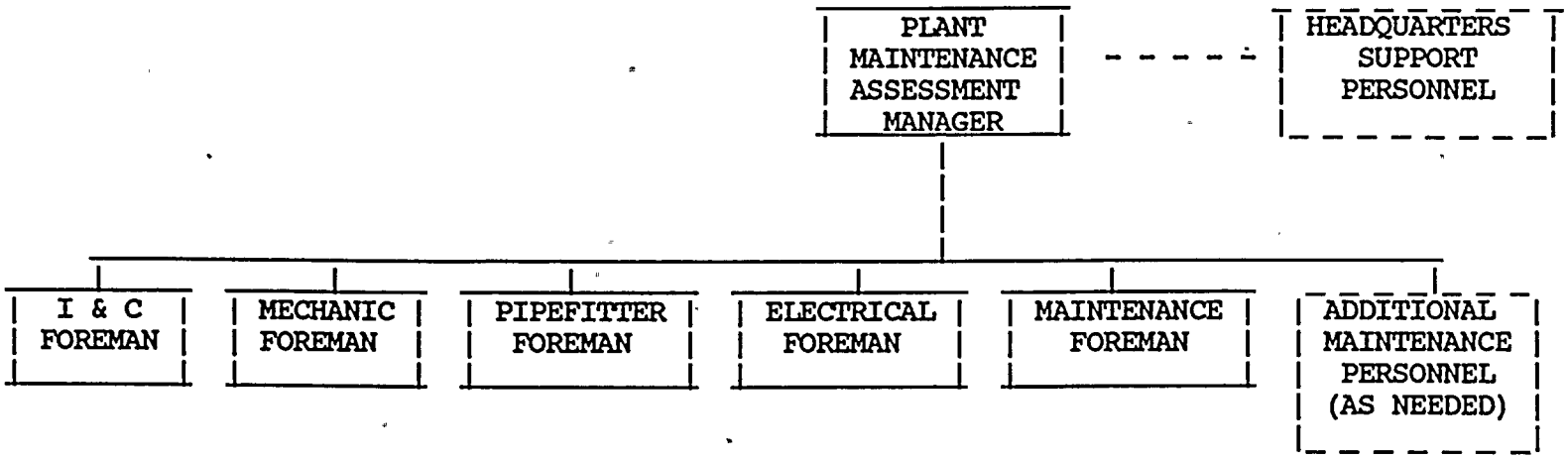
ALERT LEVEL EMERGENCY SUPPORT HEALTH PHYSICS/CHEMISTRY ORGANIZATION

FIGURE A-5



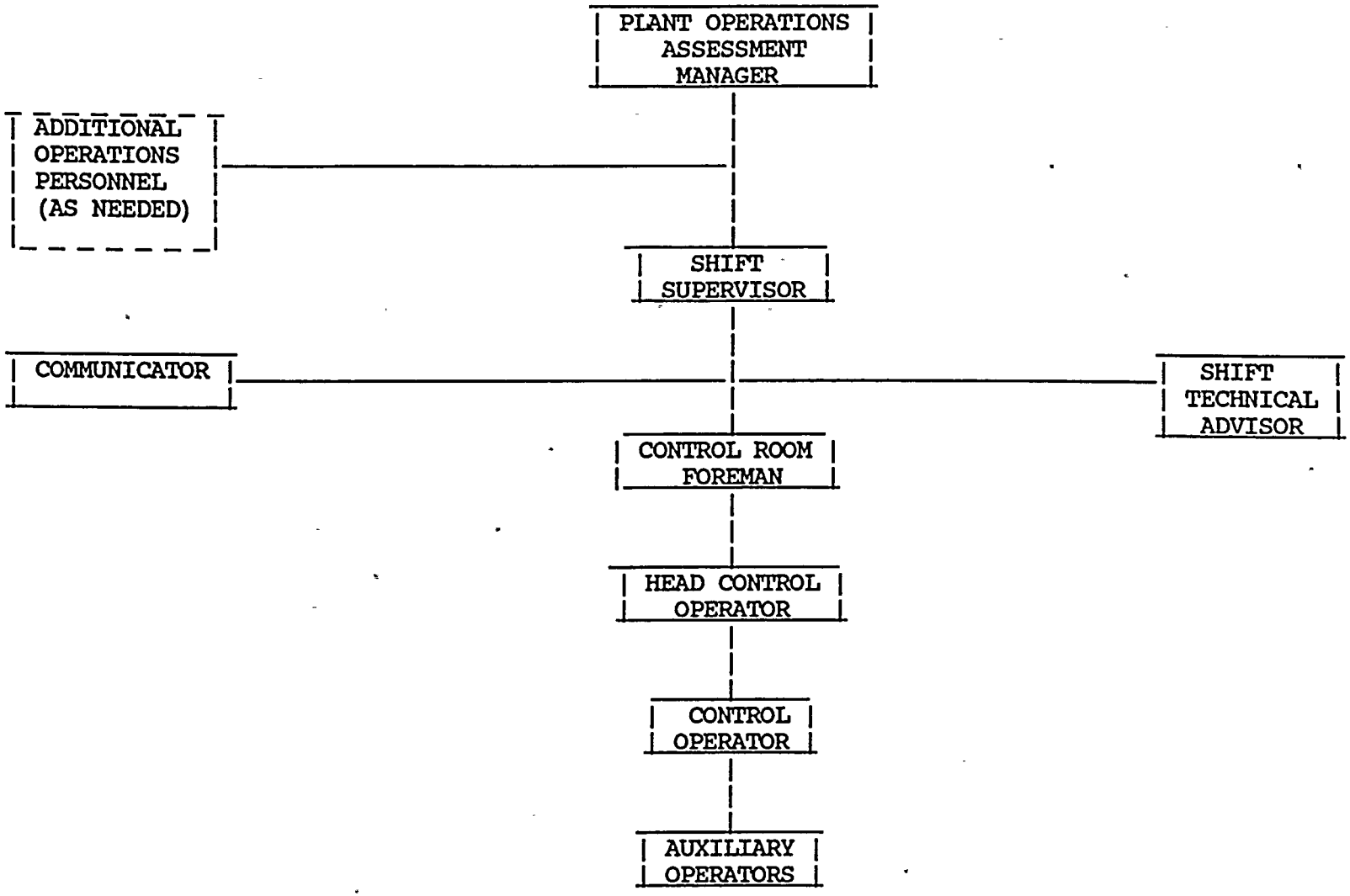
ALERT LEVEL EMERGENCY SUPPORT PLANT TECHNICAL ASSESSMENT ORGANIZATION

FIGURE A-6



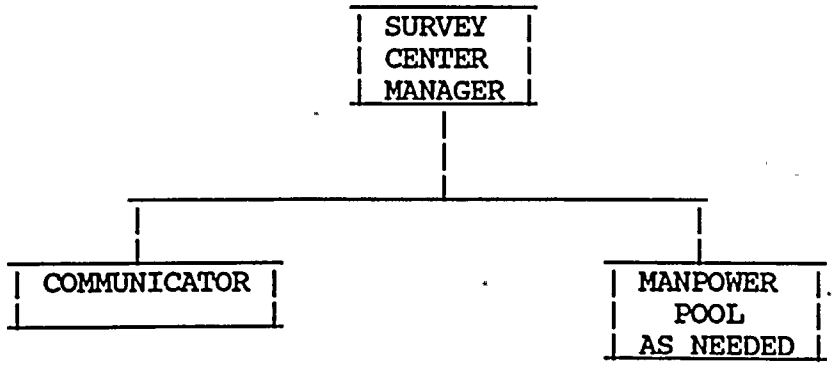
ALERT LEVEL EMERGENCY SUPPORT PLANT MAINTENANCE ASSESSMENT ORGANIZATION

FIGURE A-7



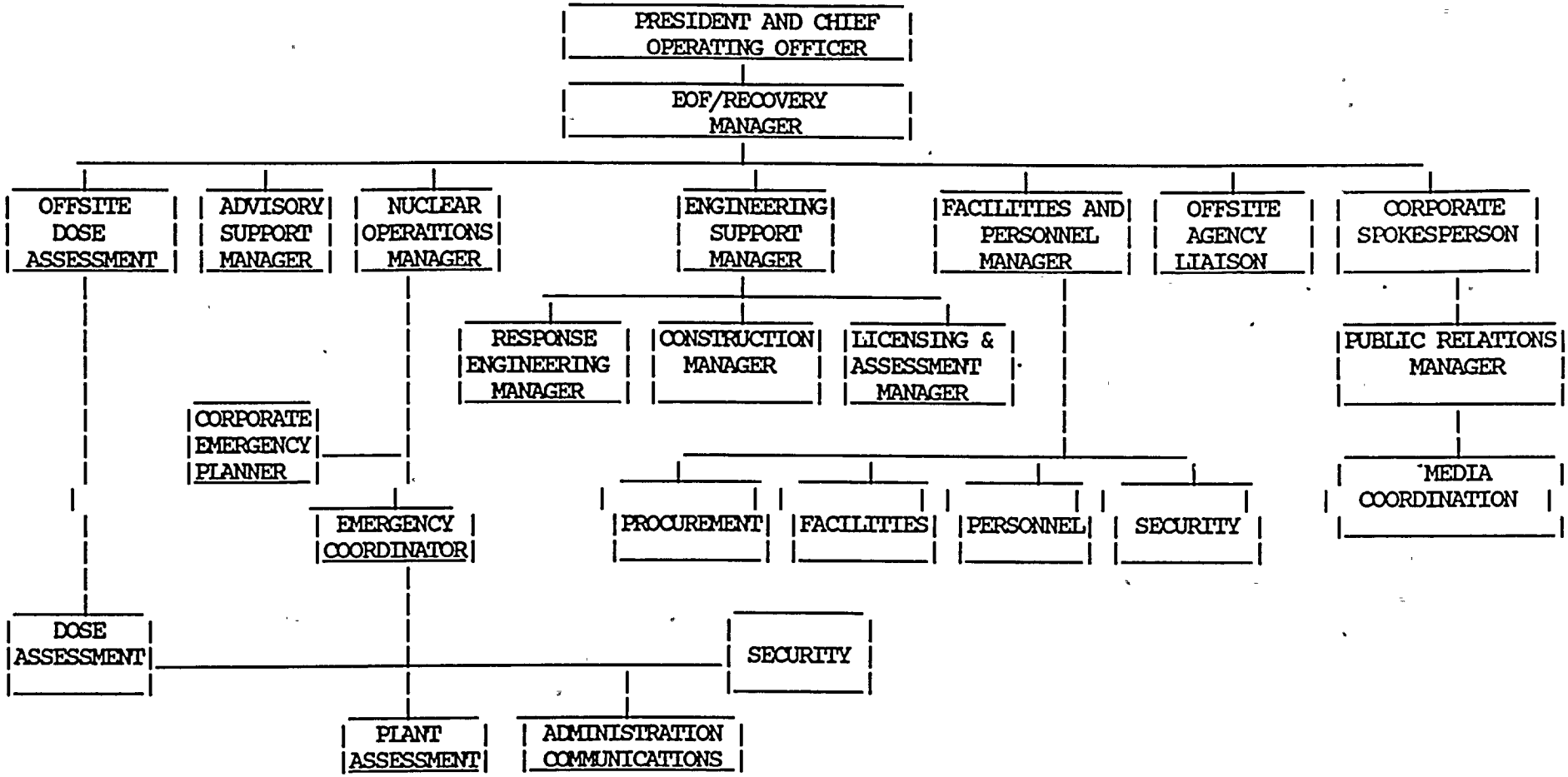
ALERT LEVEL EMERGENCY SUPPORT PLANT OPERATION ASSESSMENT ORGANIZATION

FIGURE A-8 :

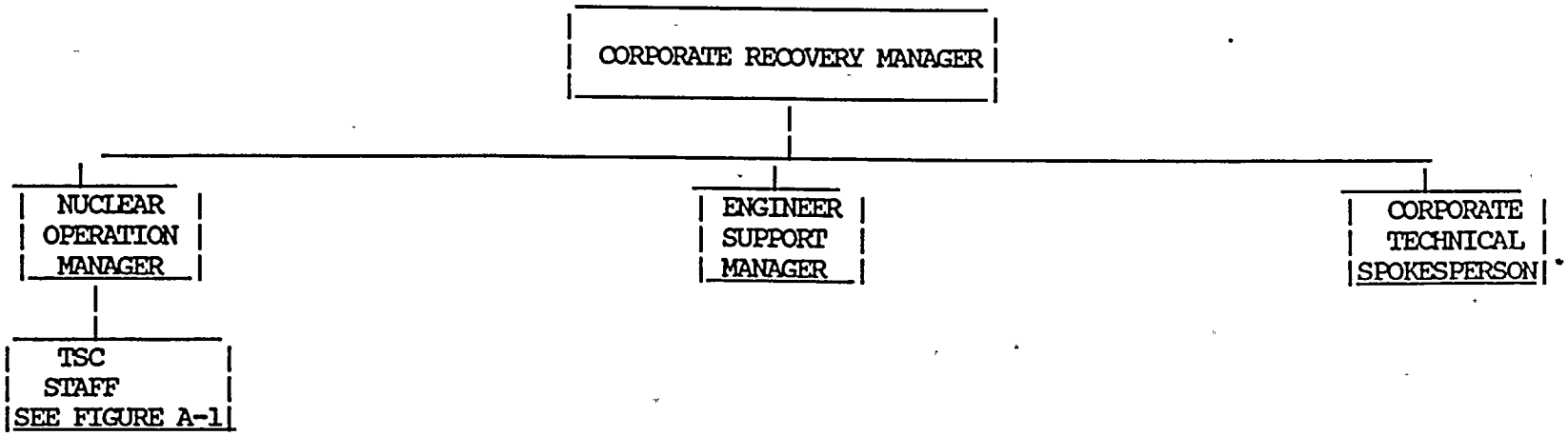


ALERT LEVEL EMERGENCY SUPPORT SURVEY CENTER ORGANIZATION

FIGURE A-9

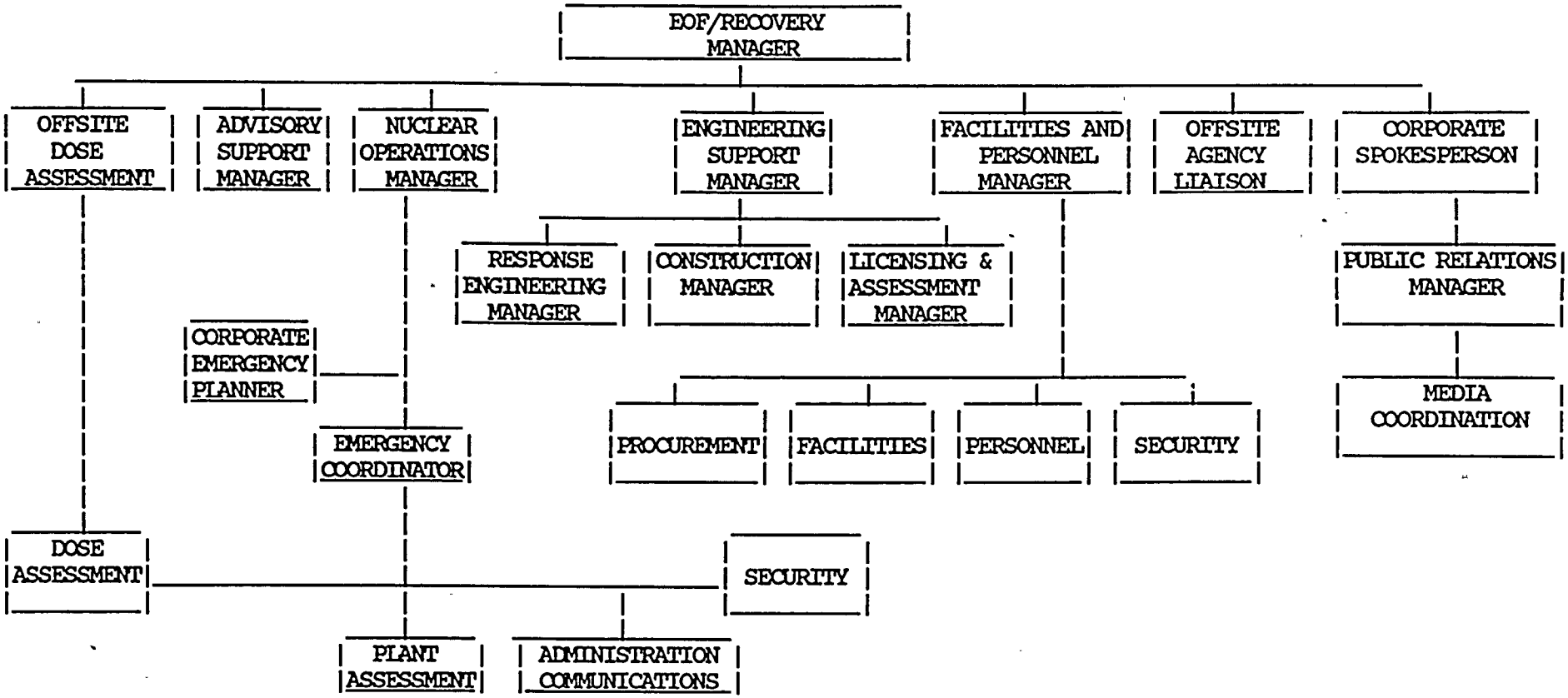


RECOVERY ORGANIZATION
FIGURE R-1



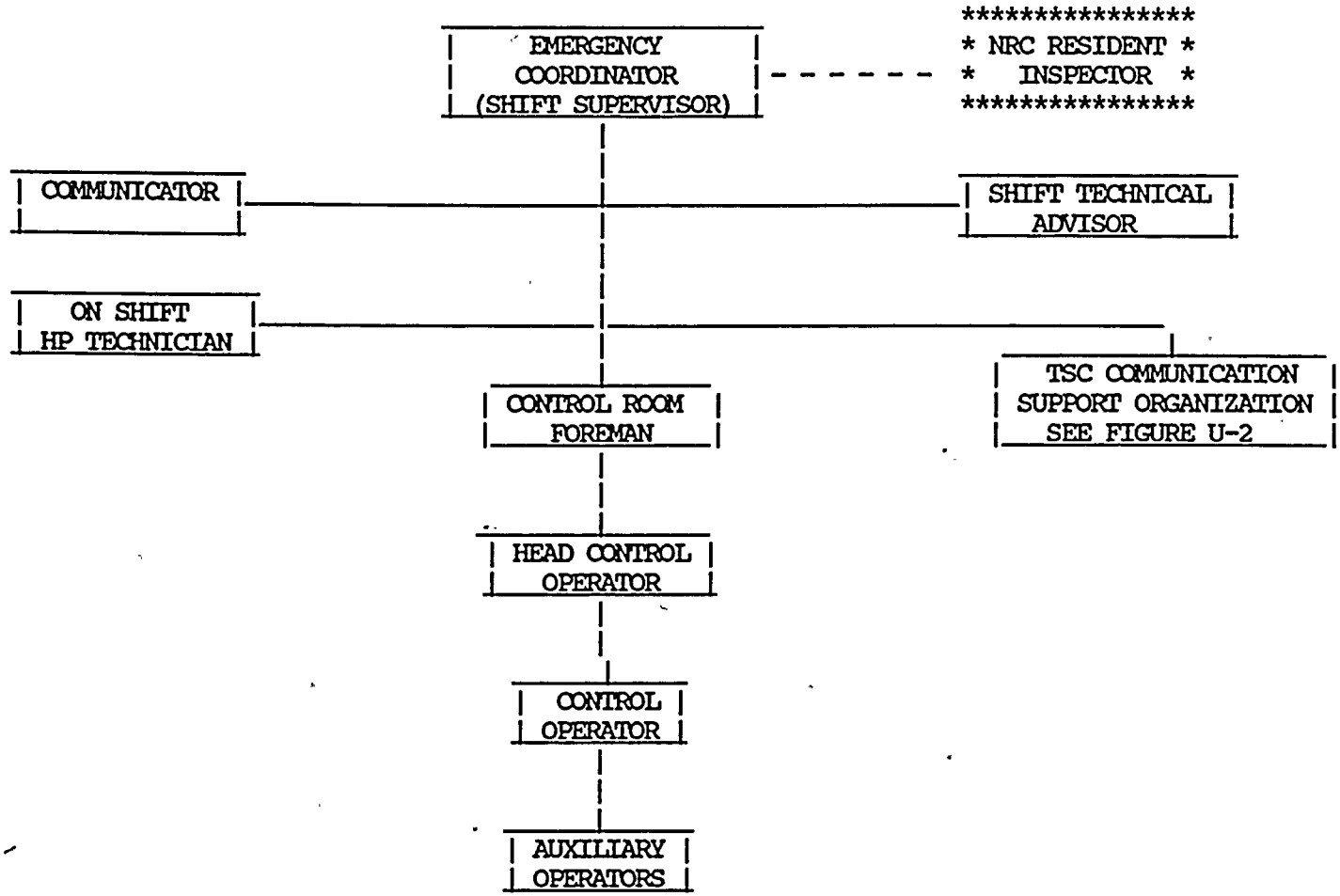
EOF SITE EMERGENCY RESPONSE ORGANIZATION

FIGURE S-1



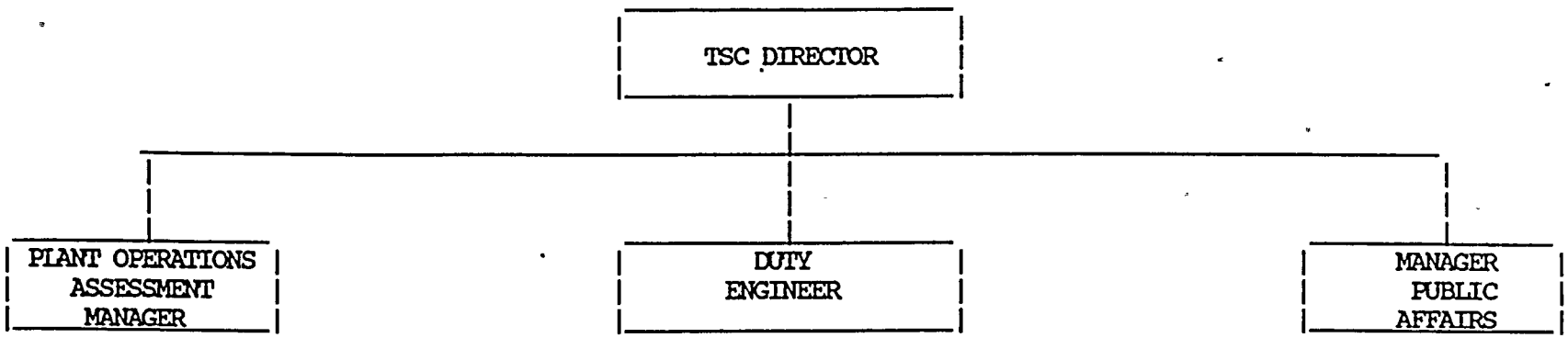
SITE LEVEL EMERGENCY SUPPORT ORGANIZATION

FIGURE S-2



UNUSUAL EVENT EMERGENCY RESPONSE ORGANIZATION

FIGURE U-1



UNUSUAL EVENT TSC COMMUNICATION SUPPORT ORGANIZATION

FIGURE U-2

APPENDIX II

EMERGENCY POSITIONS - FUNCTIONS AND RESPONSIBILITIES

EMERGENCY COORDINATOR

Report to: Depending on the level of accident and facilities manned.

Ginna Station Superintendent
or
Superintendent of Nuclear Production

Supervises - All personnel involved in direct emergency responses at Ginna Station

Function - To supervise and direct all actions necessary to protect the public from an emergency at Ginna Station

Responsibilities:

For an Unusual Event or Greater

1. Obtain Emergency Coordinator Procedures 17A and necessary supplies.

2. Ensure Notification Fact Sheets (SC-701 and O-9.3) are completed.

3. Ensure Protective Action Recommendation (SC-240) is completed.

4. Ensure Notification (SC-601) is completed.

5. Reevaluate the conditions to determine need to escalate the event (SC-100).

6. Ensure Notification (SC-601) follow up reports are made routinely as determined necessary using:

   SC-701 Initial Notification Status Report
   SC-703 Plant Status Report Form
   O-9.3 NRC Immediate Notification

7. Reevaluate the conditions when plant stabilizes to determine need to close out event (SC-110).

8. Ensure notification (SC-601) for close out.

EMERGENCY COORDINATOR

For an Alert or Greater

1. Ensure Unusual Event steps necessary are completed.

2. If Shift Supervisor is Emergency Coordinator, upon being relieved as Emergency Coordinator (all duties and responsibilities turned over to Ginna Superintendent or designee) return to duties of Shift Supervisor (page 24).

3. Ensure Fact Sheets (SC-701 and O-9.3) are completed.

4. Ensure Protective Action Recommendation (SC-240) is completed.

5. Ensure Notification (SC-602) is completed.

6. Transfer Emergency Coordinator duties when TSC is manned by complete discussion of all events, conditions, activities in progress, and notifications made. Shift Supervisor should then return to normal duties (page 24).

7. Ensure Notification (SC-602) follow up reports are made routinely as determined necessary using:

   SC-701 Initial Notification Report
   SC-703 Plant Status Report Form
   O-9.3 NRC Immediate Notification

8. Reevaluate with staff the conditions to determine the need to escalate the event (SC-100).

9. Reevaluate with staff the conditions when plant stabilizes to reduce or close out the event (SC-110).

10. Evaluate with staff the conditions to determine the need for recovery actions (SC-120).

11. Ensure TSC properly manned (SC-301).

12. Ensure OSC properly manned (SC-312).

13. Ensure ESC properly manned (SC-322).

14. Ensure additional personnel as needed are called in (SC-600).

15. Repeat steps 7, 8, 9 as deemed necessary.

EMERGENCY COORDINATOR

For a Site Emergency or Greater

1. Ensure Alert steps necessary are completed.
2. Ensure Fact Sheets (SC-701 and O-9.3) are completed.
3. Ensure Protective Action Recommendation (SC-240 and SC-420) is completed.
4. Ensure Notification (SC-603) is completed.
5. Ensure Accountability (SC-213) is initiated.
6. Ensure Notification (SC-603) follow up reports made routinely as determined necessary using:

   SC-701 Initial Notification Report
   SC-703 Plant Shutdown Report
   O-9.3 NRC Immediate Notification

7. Reevaluate with staff the conditions to determine the need to escalate the event (SC-100).
8. Reevaluate with staff the conditions when plant stabilizes to reduce or close out the event (SC-110).
9. Evaluate with staff the conditions to determine the need for recovery actions (SC-120).
10. Meet routinely with staff to evaluate actions being taken and status of activities.
11. Ensure Accountability (SC-213) complete.
12. Ensure Search and Rescue (SC-233) initiated if necessary.
13. Ensure TSC properly manned (SC-302).
14. Ensure OSC properly manned (SC-312).
15. Ensure ESC and Survey Teams properly manned (SC-322).
16. Ensure additional personnel as needed are called in (SC-600).
17. Ensure personnel are dispatched to counties, EOF as necessary.
18. Ensure communication established to EOF, NRC, NYS, etc.
19. Repeat step 6, 7, 10, 18 as deemed necessary.

EMERGENCY COORDINATOR

For a General Emergency

1. Ensure Site Emergency steps necessary complete.
2. Ensure Notification Fact Sheets (SC-701 and O-9.3) complete.
3. Ensure Protective Action Recommendations (SC-240 or SC-420) complete.
4. Ensure Notification (SC-604) complete.
5. Ensure Accountability (SC-213) complete.
6. Ensure Search and Rescue (SC-233) initiated if necessary.
7. Ensure Notification (SC-604) follow up reports made routinely as determined necessary using:

   SC-701 Initial Notification Report
   SC-703 Plant Status Report
   O-9.3 NRC Immediate Notification

8. Reevaluate with staff the conditions when plant stabilizes to reduce or close out the event (SC-100).
9. Evaluate with staff the conditions to determine the need for recovery actions (SC-120).
10. Meet routinely with staff to evaluate actions being taken and status of activities.
11. Ensure TSC properly manned (SC-302).
12. Ensure OSC properly manned (SC-312).
13. Ensure ESC and Survey Teams properly manned (SC-322).
14. Ensure additional personnel as needed are called in (SC-600).
15. Ensure personnel dispatched to counties, EOF as needed.
16. Ensure communications established to EOF, NRC, NYS, etc.
17. Establish schedule for relief if necessary.
18. Repeat steps 7, 8, 10, 16 as deemed necessary.

SHIFT SUPERVISOR

Reports To: Plant Operations Assessment Manager

Supervises: Control Room Personnel

Function: Maintain the plant is a safe condition and take all necessary steps to mitigate the consequences of the emergency. Direct the operations of Control Room personnel to minimize the release of radioactive material.

Communicate plant changes to the Plant Operation Assessment Manager and coordinate operational activities between TSC and Control Room.

Responsibilities:

1. Monitor plant parameters to maintain the plant in a safe condition.

2. Evaluate plant conditions for necessity to declare an emergency and make the Plant Operation Assessment Manager aware of any changes in plant as appropriate.

3. Coordinate plant changes with Plant Operation Assessment Manager and Control Room.

SHIFT TECHNICAL ADVISOR

Reports To: Shift Supervisor

Supervises: NA

Function: Assist the Shift Supervisor in technical assessment of the emergency situation. Provide technical assessment and engineering expertise to the shift during emergency.

Alert the Shift Supervisor to potential problem situations during emergency.

Responsibilities:

1. Report to the Control Room for Unusual Event or higher.

2. Advise the Shift Supervisor in the diagnosis of unusual event conditions and above.

3. Provide perspective in assessment of plant conditions and actions to be taken for safety of the plant.

4. Advise the Shift Supervisor and Control Room Operators on actions to terminate or mitigate consequences of unusual incidents and remain detached from manipulation of controls.

5. Recognize and respond to multiple equipment failures, operator errors, complex transient responses, inadequate core cooling and essential parameters that indicate the status of the core and primary coolant boundaries and recommend corrective action to the Shift Supervisor.

6. Assist the Shift Supervisor in any assessment functions identified.

CONTROL ROOM COMMUNICATOR

Reports To: Shift Supervisor

Supervises: NA

Function: Assist the Shift Supervisor (Emergency Coordinator) with communication as directed.

Responsibilities:

1. Report to the Control Room and make Shift Supervisor aware of your presence at announcement of an emergency (fire, medical, radiation, etc.)

2. Make telephone reports per SC-601, 602, 603, 604 and 701 as directed by the Shift Supervisor.

3. Make other telephone contacts as directed by the Shift Supervisor.
   A-7, Medical Emergency
   SC-3.4.1, Fire Brigade Captain and Control Room Personnel Responsibilities

4. Make and maintain all other communications as directed by the Shift Supervisor.

5. Report all unusual observations or communications to the Shift Supervisor.

6. Report completion of procedures to the Shift Supervisor.

7. Telecopy or deliver a copy of all reports to the TSC.

8. Obtain the telecopier from office.

HEAD CONTROL OPERATOR AND/OR CONTROL ROOM FOREMAN/REACTOR OPERATOR

Reports To: Shift Supervisor

Supervises: At Shift Supervisor's direction

Function: Maintain the plant in a safe condition and take all necessary steps to minimize the release of radioactive material to the public. Take necessary steps to mitigate the consequences of the emergency.

Responsibilities:

1. Monitor plant parameters to maintain the plant in a safe condition.
2. Evaluate plant conditions for necessity to declare an emergency and make the Shift Supervisor and plant personnel aware of the emergency as appropriate.
3. Sound the alarm and make announcements as necessary.
4. Check that the Control Room ventilation system is in recirculation mode for site emergency or greater (R-1 on alarm).
5. Check that Control Room radio has volume up to monitor calls from Security and others during emergency.
6. Assist as directed and inform Shift Supervisor of all Control Room changes.

AUXILIARY OPERATOR

Reports To: Shift Supervisor

Supervises: NA

Function: Provide assistance to the Shift Supervisor (Emergency Coordinator) during all levels of Radiation Emergency.

Responsibilities:

1. Report to the Control Room and make Shift Supervisor aware of your presence at Alert level or higher.
2. Perform tasks at direction of Shift Supervisor or Control Room Operators.
3. Collect data for reporting to authorities per SC-701, 703 as directed by the Shift Supervisor.
4. Complete the Protective Action Recommendations (SC-240) procedure at direction of Shift Supervisor with assistance of On Shift HP Technicians.
5. Report all unusual observations or readings to Shift Supervisor.
6. Set up communication between Control Room and Emergency Survey Center (intercom in emergency equipment locker and is connected to wires found in south side of Head Control Operators desk).

TSC DIRECTOR

Reports To: Emergency Coordinator

Supervises: All personnel assigned to the TSC

Function: Provide and coordinate activities to relieve the Control Room of communications, Accident Assessment and manpower utilization.

Responsibilities:

1. Establish communications with Control Room.
2. Assure communications between Ginna and counties are coordinated using TSC assigned personnel.
3. Assure Manager of Public Affairs is contacted and communications between the manager and Ginna are established.
4. Assure additional manpower is contacted as determined by the TSC staff.
5. Assure all necessary positions are filled in TSC.
6. Assure technical data and plant status is available in TSC.
7. Maintain the TSC Emergency Coordinator log until Emergency Coordinator takes control in TSC.

DUTY ENGINEER

Reports To: TSC Director

Supervises: NA

Function: Assist Control Room with technical communication and other activities that are not essential Control Room functions.

Responsibilities:

1. Establish communications between Ginna and the counties as necessary.
2. Communicate with Manager of Public Affairs plant status.
3. Log plant status and technical data as necessary.
4. Assure additional manpower is contacted as determined by the TSC Director.

ADMINISTRATION/COMMUNICATIONS MANAGER

Reports To: Emergency Coordinator

Supervises: Administration and Communications Personnel assigned to the TSC.

Function: Provide and coordinate administrative and communications support during operation of the Technical Support Center.

Responsibilities:

1. Assure you and any assistants are logged in on the TSC Tag Board.
2. Assure dosimeters are obtained from Health Physics group.
3. Obtain Admin Comm Manager Procedures Copy 17C and necessary supplies.
4. All important information should be announced to TSC personnel.
5. Establish and maintain a log for the Administrative/Communication Group.
6. Assure communication systems are checked for operability upon arrival in TSC, ie. telecopy, radio.
7. Assure someone is in charge of the Administrative Communications Group if manager is unavailable.
8. Assign individual to maintain TSC information boards.
9. Direct the operation and usage of plant telephone facilities to optimize the communications.
10. Direct the operation and usage of the radios in the TSC to optimize radio communications.
11. Direct the distribution of speed letters and written communications within the TSC.

ADMINISTRATION/COMMUNICATIONS MANAGER

12. Assure the names of on-shift personnel, Control Room Personnel and OSC personnel have been posted on TSC Tag Board as soon as possible.

13. Assist the Security Manager in locating unaccounted for personnel.

14. Obtain additional administrative/communication personnel from Manpower Pool as requested by TSC groups.

15. Obtain the status and assume responsibility for the Site Emergency Call List (SC-605) from the Gas Dispatcher (71-8522) and Telephone Service (71-0).

16. Assure NRC and New York State hot line are monitored.

17. Assure communications with EOF is established and transmittal of pertinent information is provided.

18. Keep Emergency Coordinator informed of Administrative/Communication activities.

19. Direct the calling of additional personnel as directed by TSC organization using Station Call List (SC-607).

20. Direct the completion of notification call lists (SC-601, 602, 603 and 604) and the calling of other support organizations as directed by the Emergency Coordinator using Specialized Call List (SC-606).

SWITCHBOARD OPERATOR

Reports To: Administration/Communications Manager

Supervises: NA

Function: Operate the plant phone switchboard.

Responsibilities:

1. Assure you are logged in on Technical Support Center Tag Board.
2. Assure dosimeters are obtained from Health Physics Group for yourself and others in your group.
3. Check that switchboard is operable by calling into switchboard using a TSC extension and calling a tsc extension from the switchboard.
4. Check operability of telecopier by sending a message to EOF and requesting Control Room send message to you.
5. Operate the plant phone switchboard to route incoming calls as directed by the Administrative Communications Manager.
6. Operate the plant phone switchboard to provide routes for outgoing phone communications.
7. Stop incoming calls not pertinent to the situation and tell caller the lines are busy at the present time you can forward a message.
8. Document all incoming and outgoing calls on speed letters.

RADIO OPERATOR

Reports To: Administration/Communications Manager

Supervises: NA

Function: Operate the TSC radio

Responsibilities:

1. Assure you are logged in on Technical Support Center Tag Board.
2. Assure dosimeters are obtained from Health Physics for yourself and others in your group.
3. Check operation of radio by contacting security using the radio and requesting they call the TSC to verify radio operation.
4. Operate the TSC radio to establish and maintain communications with the Survey teams.
5. Establish and maintain radio communications with other Emergency Centers as directed by Administrative Communications Manager.
6. Establish and maintain radio communications with in plant groups.
7. Document messages sent and received using speed letters.

MESSENGERS

Reports To: Administration/Communications Manager

Supervises: NA

Function: Distribute messages in the TSC and OSC. Assist the groups in maintaining status boards and logs.

Responsibilities:

1. Assure you are logged in on the TSC Tag Board.
2. Assure dosimeters are obtained for yourself and others in group.
3. Provide timely distribution of incoming messages from the switchboard and radio operators to designated addresses.
4. Provide timely transfer of outgoing messages from originators to the switchboard, radio operator, communicator as appropriate.
5. Perform other duties assigned by the Administrative/Communication Manager.
6. Assist in maintaining TSC status boards.

TSC COMMUNICATORS

Reports To: Administration/Communications Manager or TSC Director depending on level of staffing

Supervises: NA

Function: Provide communications assistance.

Responsibilities:

1. Assure you are logged in the Technical Support Center Tag Board.
2. Assure dosimeters are obtained from the Health Physics Group for yourself and others in your group.
3. Verify or check operation of telecopier by sending message to Control Room and requesting they return a message to you.
4. Verify telephones operate by calling Control Room notifying them of your extension and requesting they return your call,
5. Provide communication assistance to the TSC groups as directed by the Emergency Coordinator or Administrative/Communication Manager.
6. When assigned, maintain phone communications and log activities of assigned groups.
7. Perform other duties as assigned by the Administration/Communications Manager or Assigned TSC group Manager.
8. Document incoming and outgoing messages on speed letters as necessary.

CLERK/TYPISTS (AS NEEDED)

Reports To: Administration/Communications Manager

Supervises: NA

Function: Provide clerical support.

Responsibilities:

1. Assure you are logged in on the TSC Tag Board.
2. Assure dosimeters are obtained for yourself and others in group.
3. Provide clerical support as directed by the Administration/Communications Manager.
4. Perform other duties as assigned by the Administration/Communications Manager.

SECURITY MANAGER

Reports To: Emergency Coordinator or TSC Director depending on level of staffing

Supervises: Site Security

Function: Maintain the physical security of the R.E. Ginna site

Responsibilities:

1. Assure you and all assistants are logged in on TSC tag Board.
2. Assure dosimeters are obtained from Health Physics Group.
3. Assure all important security information is posted on TSC information board.
4. Assure all important security information is announced to TSC personnel.
5. Log important security activities.
6. Assure someone is in charge of security activities if manager is unavailable.
7. Direct the R.E. Ginna Security force as necessary to maintain the physical security of the site.
8. Keep the Emergency Coordinator informed of situations which may require the reinforcement of the security force to maintain site security.
9. Perform and coordinate accountability if a site emergency or greater is initiated (SC--213). Notify Emergency Coordinator of accountability results.
10. Coordinate Search and Rescue (SC-233) as directed by Emergency Coordinator.
11. Keep Emergency Coordinator and TSC current in activities.
12. Evaluate manpower needs of security force.
13. Have Security check Lake Ontario near plant for boats.

OPERATION SUPPORT CENTER ASSIGNEES (AS NEEDED)

Reports To: Plant Maintenance Assessment Manager or Operation Support Center assigned supervisor

Supervises: NA

Function: To repair and evaluate problems related to recovery effort during emergency and perform other duties as requested by Plant Maintenance Assessment Manager.

Responsibilities:

1. Assure you are logged in on the TSC Tag Board.
2. Assure dosimeters are obtained from Health Physics group for yourself and others in your group.
3. Assess manpower needs for each repair function and arrange for necessary manpower.
4. Repair equipment as directed
5. Brief the Plant Maintenance Assessment Manager before each repair activity and at the conclusion of the repair.
6. Document all activities in the OSC log book.
7. Provide in plant surveys as requested.
8. Provide manpower for search and rescue activities.

PLANT MAINTENANCE ASSESSMENT MANAGER

Reports To: Emergency Coordinator or TSC Director depending on level of staffing

Supervises: Operations Support Center Personnel

Function: Direct and coordinate the emergency repair efforts for the plant utilizing the "Manpower Pool" from the Operations Support Center, Emergency Survey Center and off-site personnel.

Responsibilities:

1. Assure you and all assistants are logged in on the TSC tag board.
2. Assure dosimeters are obtained from Health Physics group.
3. Designate an individual to contact Shop Foreman to adequately man the OSC.
4. Designate an individual to direct OSC activities and have log of OSC activities started.
5. Assure all important maintenance information is posted on TSC information board.
6. Assure all important information is announced to TSC and OSC personnel.
7. Assure important maintenance activities are logged in OSC log.
8. Direct and coordinate with Health Physics and others, repairs to plant equipment (SC-235).
9. Prepare necessary emergency maintenance procedures.
10. Direct and coordinate the establishment of temporary emergency connections.
11. Meet with personnel in TSC and OSC to keep everyone informed of maintenance activities.
12. Brief and debrief maintenance personnel for every job.
13. Obtain and coordinate manpower needs from offsite to support accident mitigation and recovery activities.

PLANT MAINTENANCE ASSESSMENT MANAGER

14. Keep Emergency Coordinator informed of on going maintenance activities.

15. Advise Technical Assessment Group on steps to mitigate the accident condition.

16. Assure someone is in charge of Maintenance Assessment if manger is unavailable.

DOSE ASSESSMENT MANAGER

Reports To: Emergency Coordinator or TSC Director depending on level of staffing

Supervises: Off-site and on-site survey teams

Function: Direct the collection of radiological data by survey teams and the reduction of the data to compute dose assessments for use by the Emergency Coordinator and his staff.

Assure dose assessment, radiological and meterological data is provided to New York State, Wayne and Monroe County and the USNRC.

Responsibilities:

1. Assure you and any assistants are logged in on the TSC Tag Board.
2. Contact sufficient staff to support the Dose Assessment function.
3. Assure all important Dose Assessment information is posted on TSC information board.
4. All important Dose Assessment information should be announced to TSC personnel.
5. Assure a log is established and maintained for the Dose Assessment Group.
6. Assure someone is in charge of dose assessment activities if manager is unavailable.
7. Assure communications to EOF Dose Assessment, NRC, NYS, Wayne County and Monroe County are established and reports provided routinely.
8. Direct the collection of radiological data by survey teams until EOF assumes responsibility for teams.
9. Evaluate and reduce data collected by Survey Teams and in plant monitoring to obtain dose assessments.
10. Report results of dose assessment and recommendations for personnel protection to Emergency Coordinator.

DOSE ASSESSMENT MANAGER

11. Report the follow up information on SC-701 to NYS, Wayne and Monroe Counties as available.

12. Perform duties as assigned by Emergency Coordinator when EOF assumes responsibility for survey teams.

13. Meet routinely with Emergency Coordinator to keep him current on dose assessment activities.

14. Advise Technical Assessment Group on steps to mitigate the accident condition.

DOSE ASSESSMENT ASSISTANT (AS NEEDED)

Reports To: Dose Assessment Manager

Supervises: As directed by Dose Assessment Manager

Function: Assist the Dose Assessment Manager in the execution of his responsibilities.

Responsibilities:

1. Assure you are logged in on the TSC Tag Board.
2. Assure all important Dose Assessment information is posted on TSC information board and dose assessment maps.
3. Assist the Dose Assessment Manager in maintaining the log.
4. Assist the Dose Assessment Manager as directed.

SURVEY TEAM MEMBERS (ON-SITE, OFF-SITE, SPARE)

Reports To: Dose Assessment Manager

Supervises: NA

Function: Collect and report radiological data as directed by procedure and the Dose Assessment Manager.

Responsibilities:

1. Obtain Tag from Emergency Survey Center Tag Board.
2. Sign in on Emergency Survey Center Tag Board.
3. Obtain survey team box described on tag and follow procedure in box.

   SC-323,, Emergency Off-Site Radiation Survey Teams
   SC-324, Emergency On-Site Radiation Survey Teams
4. Establish and maintain communications with the Technical Support Center.
5. Collect and report radiological data as requested by the Dose Assessment Manager.

PLANT HP/CHEMISTRY MANAGER

Reports To: Emergency Coordinator or TSC Director depending on level of staffing

Supervises: Health Physics, Chemistry Groups

Function: Direct the assessment of chemical and radiological hazards and plant conditions. Identify and recommend steps to mitigate the accident and recover the plant. Develop abnormal procedure as needed.

Responsibilities:

1. Assure you and any assistants are logged in on the TSC Tag Board.
2. Assure dosimeters are issued to all personnel in TSC.
3. Contact sufficient personnel to staff the Health Physics and Chemistry group.
4. Assure all important HP/Chemistry information is posted on TSC information board.
5. All important HP/Chemistry information should be announced to TSC personnel.
6. Establish and maintain a log of Health Physics and Chemistry activities.
7. Assure someone is in charge of Health Physics and Chemistry activities if manager is unavailable.
8. Assure radiation survey of TSC is performed and have TSC ventilation put on recirculation as necessary.
9. Keep Emergency Coordinator informed of activities.
10. Keep Health Physics, Chemistry and Dose Assessment group abreast of activities (meetings).
11. Direct the assessment of plant conditions with respect to radiological and chemical hazards.
12. Advise Technical Assessment Group on steps to mitigate the accident condition.

PLANT HP/CHEMISTRY MANAGER

13. Identify and recommend steps to recover the plant.

14. Develop abnormal procedures to support accident mitigation and plant recovery as necessary.

15. Establish control point with friskers at both entrances to TSC.

ON-SHIFT RADIATION PROTECTION TECHNICIAN

Reports To: Shift Supervisor or HP/Chemistry Manager depending on level of staffing

Supervises: NA

Function: Provide Health Physics and Radiological assistance to the Shift Supervisor (Emergency Coordinator) during all levels of Radiation Emergency.

Perform radiological surveys in Control Room and in plant as directed by the Shift Supervisor or Manager of Health Physics/Chemistry when TSC is manned.

Responsibilities:

1. Report to the Control Room and make Shift Supervisor aware of your presence at Alert level or higher.
2. Insure two additional Radiation Protection Technicians are called to prepare the PASS for sampling if a primary sample may be required.
3. Check emergency equipment.
4. Turn on air monitor.
5. Perform radiological survey of Control Room.
6. Sign out and issue dosimeters to Control Room personnel.
7. Assist Control Room personnel in obtaining SPING data for Protective Action Recommendations (SC-240).
8. Assist Shift Supervisor in Protective Action Recommendations (SC-240).
9. Perform surveys as requested by Shift Supervisor.
10. Report all unusual observations and readings to the Shift Supervisor.
11. Begin procedure PC-23.7, Containment Atmosphere Hydrogen Monitor, unless directed otherwise by the Shift Supervisor.
12. Insure Procedure PC-25.7.11 is initiated by incoming Radiation Protection Technicians to prepare the PASS for sampling if a primary system sample may be required.

HP/CHEMISTRY PERSONNEL (AS NEEDED)

Reports To: HP/Chemistry Manager

Supervises: As Assigned

Function: Provide Health Physics/Chemistry support.

Responsibilities:

1. Assure you and any assistants are logged in on the TSC tag board.
2. Assure dosimeters are obtained for your group.
3. Assist in passing out of dosimeters.
4. Perform surveys of TSC as directed.
5. Perform surveys for maintenance activities as directed.
6. Perform surveys in plant as directed.
7. Participate in briefings before and after maintenance activities.
8. Perform chemistry activities as directed.
9. Assist HP/Chemistry Manager as directed.

PLANT TECHNICAL ASSESSMENT MANAGER

Reports To: Emergency Coordinator or TSC Director depending on level of staffing

Supervises: Plant Technical Assessment Group

Function: Direct the assessment of core physics and plant conditions. Identify and recommend steps to mitigate the accident and recover the plant. Develop abnormal procedures as needed.

Responsibilities:

1. Assure you and any assistant are logged in on the TSC tag board.
2. Assure dosimeters are obtained from Health Physics group.
3. Contact sufficient Technical Assessment personnel to staff.
4. Assure all important information is posted on TSC information board.
5. All important information should be announced to TSC personnel.
6. Establish and maintain a log for assessment activities.
7. Assure someone is in charge of assessment activities if manager is unavailable.
8. Assure communications to Engineering Support Center and EOF is established as needed.
9. Keep Emergency Coordinator informed of activities.
10. Keep Assessment group abreast of activities (meetings).
11. Direct the assessment of core conditions and status of core cooling capabilities.
12. Direct the assessment of plant conditions with respect to availability of equipment, systems, electrical power, and water inventory.
13. Identify with assessment group recommended steps to mitigate the accident condition.

PLANT TECHNICAL ASSESSMENT MANAGER

14. Identify and recommended steps to recover the plant.

15. Develop abnormal procedures to support accident mitigation and plant recovery as necessary.

16. Evaluate manpower needs and coordinate needs through TSC organization.

NUCLEAR ASSESSMENT ENGINEER

Reports To: Plant Technical Assessment Manager

Supervises: NA

Functions: Assist the Plant Technical Manager in assessing the core conditions and recommending future plant actions.

Responsibilities:

1. Assure you and any assistants are logged in on the TSC Tag Board.
2. Assure dosimeters are obtained from Health Physics group.
3. Assure all important information is posted on TSC information board.
4. All important information should be announced to TSC personnel.
5. Assure a log is established and maintained for the Technical Assessment Group.
6. Assure someone is in charge of assessment activities if manager is unavailable.
7. Assure communications to Engineering Support Center and EOF are established as needed.
8. Keep Plant Technical Assessment Manager and group informed of activities.
9. Obtain and evaluate data concerning core conditions and adequate core cooling.
10. Provide assessments and recommendations to Plant Technical Assessment Manager with regards to current and future core conditions.
11. Assist the Technical Assessment Group in mitigation of the accident and development of recovery plans.

I & C - ELECTRICAL SYSTEMS ASSESSMENT ENGINEER

Reports To: Plant Technical Assessment Manager

Supervises: NA

Function: Assist the Plant Technical Assessment Manager in assessing the condition of the I & C and Electrical systems and recommending short and long term actions.

Responsibilities:

1. Assure you and any assistants are logged in on the TSC Tag Board.
2. Assure dosimeters are obtained from Health Physics group.
3. Assure all important information is posted on TSC information board.
4. Assure all important information is announced to TSC personnel.
5. Establish and maintain a log for assessment activities.
6. Assure someone is in charge of assessment activities if engineer is unavailable.
7. Assist in establishing communications to Engineering Support Center and EOF as needed.
8. Keep Plant Technical Assessment Manager informed of activities (meetings).
9. Obtain and evaluate data associated with I&C and electrical aspects of the plant.
10. Provide assessments and recommendations to the Plant Technical Assessment Manager with regards to operations and utilization of I&C and Electrical Systems.
11. Assist the plant Technical Assessment Manager in the mitigating of the accident and recovery activities.

MECHANICAL/HYDRAULIC SYSTEMS ASSESSMENT ENGINEER

Reports To: Plant Technical Assessment Manager

Supervises: NA

Function: Assist the Plant Technical Assessment Manager in assessing the condition of the Mechanical/Hydraulic Systems concerns and recommending plant actions.

Responsibilities:

1. Assure you and any assistants are logged in on TSC Tag Board.
2. Assure dosimeters are obtained from Health Physics group.
3. Assure all important information is posted on TSC information board.
4. All important information should be announced to TSC personnel.
5. Establish and maintain a log for assessment activities.
6. Assure someone is in charge of assessment activities if engineer is unavailable.
7. Assist in establishing communications to the Engineering Support Center and EOF as needed.
8. Keep Plant Technical Assessment Manager abreast of activities (meetings).
9. Obtain and evaluate data associated with Mechanical/Hydraulic systems aspects of the plant.
10. Provide assessments and recommendations to the Plant Technical Assessment Manager with regards to the operation and utilization of Mechanical/Hydraulic systems.
11. Assist the Plant Technical Assessment Manager in the mitigation of the accident and recovery activities.

PLANT OPERATIONS ASSESSMENT MANAGER

Reports To: Emergency Coordinator or TSC Director depending on level of staffing

Supervises: Operations Personnel

Function: Direct and coordinate operations personnel in accident confirmation, mitigation and recovery.

Responsibilities:

1. Assure you and any assistants are logged in on the TSC Tag Board.
2. Assure dosimeters are obtained from Health Physics group.
3. Assure all important information is posted on TSC information board.
4. All important information should be announced to TSC personnel.
5. Establish and maintain a direct communication link to the Control Room (Head set connection on column).
6. Establish and maintain a log for operation assessment activities.
7. Assure someone is in charge of operation assessment if manager is unavailable.
8. Direct and coordinate the efforts of operations personnel in confirmation of the accident identification.
9. Coordinate the efforts of operations personnel to mitigate the accident.
10. Coordinate the operations personnel efforts during recovery operation from the accident.
11. Coordinate and assure adequate operations personnel available in manpower pool.

SURVEY CENTER MANAGER

Reports To: Emergency Coordinator or TSC Director depending on level of staffing

Supervises: Personnel at Training Center

Function: Coordinate utilization of personnel located in the Survey Center.

Responsibilities:

1. Assure you are logged in on Emergency Center Tag Board.
2. Assure dosimeters are obtained for yourself and assistants.
3. Contact Survey Team members to assure teams are manned. Refer to Survey Team List in Survey Center Managers Log.
4. Assure TSC is notified of personnel working at Emergency Survey Center.
5. Report any important information to Administrative/Communication group at TSC.
6. Establish a log of important activities.
7. Request plant status updates from the TSC, log them and make personnel at Training Center aware of important activities.
8. Assure radiation surveys are performed at Emergency Survey Center.
9. Insure constant air monitor is in operation.
10. Coordinate and dispatch personnel from the manpower pool as directed from the TSC.
11. Coordinate proper path and equipment with the Health Physics group when personnel are going to TSC. Insure all have necessary equipment (i.e. dosimeters, TLD's, radio, doserate meter).
12. Coordinate the radiation monitoring of personnel and vehicles arriving and leaving the Emergency Survey Center.

SURVEY CENTER MANAGER

13. Make routine announcements to personnel in Training Center Auditorium.

14. Under direction of the Emergency Coordinator, release unnecessary personnel and provide safe evacuation routing for personnel going home.

SURVEY CENTER ASSISTANT

(AS NEEDED)

Reports To: Survey Center Manager

Supervises: As directed by Survey Center Manager

Function: Assist the Survey Center Manager

Responsibilities:

1. Assure you are logged in on Emergency Survey Center Tag Board.
2. Assure dosimeters are obtained for yourself and assistants.
3. Assist the Survey Center Manager in completing his tasks (see his function sheet).

SURVEY CENTER COMMUNICATOR (AS NEEDED)

Reports To: Survey Center Manager

Supervises: NA

Function: Provide communications for Survey Center Manager.

Responsibilities:

1. Assure you are logged in on Emergency Survey Center Tag Board.
2. Assure dosimeters are obtained for yourself and assistants.
3. Establish communication between Emergency Survey Center and TSC.
4. Answer all incoming calls to Emergency Survey Center and transmit the messages as necessary.
5. Assist in maintaining the Emergency Survey Center Log.
6. Make all requested phone calls.
7. Monitor the radio communications and assist as necessary.

COMPUTER ANALYST

Reports To: Plant Technical Assessment Manager

Supervises: NA

Function: To operate and maintain the computer systems available for data collection and evaluation of plant status in the TSC.

Responsibilities:

1. Assure you are logged in on TSC Tag Board.
2. Assure dosimeters are obtained for yourself and others in your group.
3. Assure PPCS and SAS are operating during emergency situations.
4. Establish trends of parameters as requested by the Plant Technical Assessment Manager.
5. Provide assistance as necessary for other computers in TSC.
6. Provide information using the computer for other groups in the TSC.

ROCHESTER GAS AND ELECTRIC CORPORATION

GINNA STATION

CONTROLLED COPY NUMBER 73

PROCEDURE NO. SC-410 REV. NO. 31

INSPECTION OF EMERGENCY EQUIPMENT

TECHNICAL REVIEW

PORC REVIEW DATE 1-4-90

Joseph A. Widay
PLANT SUPERINTENDENT

1-12-90
EFFECTIVE DATE

QA X NON-QA _____ CATEGORY 1.0

REVIEWED BY: _____

THIS PROCEDURE CONTAINS 15 PAGES

GINNA STATION
UNIT #1
COMPLETED

DATE:-

TIME:-

SC-410

INSPECTION OF EMERGENCY EQUIPMENT

1.0 PURPOSE:

1.1 The equipment required by the emergency plan and the means of assuring it is available is outlined in this procedure. Inspection will be made monthly as required by Technical Specifications and after each drill or use by the Health Physics Section.

2.0 REFERENCES:

2.1 Nuclear Emergency Response Plan

2.2 Tech. Specs, Table 4.1-1

3.0 INSTRUCTIONS:

3.1 Inspect each location using attached appendices. Indicate number of items present in blank space on appendix.

3.1.1 Emergency Survey Center - Appendix A

3.1.2 Control Room - Appendix B

3.1.3 Health Physics Office, Auxiliary Building, Operational Support Center, Butler Building Warehouse - Appendix C

3.1.4 Technical Support Center - Appendix D

3.1.5 Monthly Inspection Log - Appendix E

3.2 If any discrepancies are found make note on the Monthly Inspection Log (Appendix E). If there are no discrepancies, enter NONE on Log Sheet.

3.2.1 Discrepancies are to be corrected (or a trouble card submitted) as soon as possible and so noted on the log sheet and filed per A-1701.

3.3 Notify Control Room and Dave Burke (71-8022) prior to initiating Survey Center and TSC Communication checks.

3.4 Send a copy of completed Appendix "E" Emergency Equipment Monthly Inspection Log to Dave Burke at 49 East Ave., 5th floor.

APPENDIX "A"
EMERGENCY EQUIPMENT IN SURVEY CENTER

1. Assignment tag board - all tags in place _____

2. Survey team maps - Red, Green, Orange, Blue, Yellow 15_____

3. Survey team boxes - Red, Green, Orange, Blue, Yellow, White - If seal is unbroken assume equipment is intact. Inventory boxes and change batteries in January and July. 6_____

   NOTE: Each January update Source Check Data Card _____

4. Low range survey instruments, RM-14 with Pancake probe battery check. Source check per HP-7.31, and log on Attachment III. Check for latest Revision HP-7.31 Attachment III. 8_____

5. Victoreen 450B instruments battery check, source check per HP-7.31, and check calibration date. Log on Attachment I HP-7.31. Check for latest Revision HP-7.31 Attachment I. 7_____

6. (12) spare AA and (24) spare AAA batteries for replacement. Log on Attachment I HP-7.31. 24_____

7. Extendable high level survey meter - battery check, source check, calibration check. Xetex 302 series instruments (0.01 R/hr to 999 R/hr) or equivalent. Log on Attachment I HP-7.31. 1_____

8. BC-4 scaler or equivalent, source check, plot, efficiency calibration annually. 1_____

9. Area radiation monitor, stationary - change chart paper, operational check. Mark date on chart and submit to Central Records. 1_____

10. Battery operated dosimeter charger. Check operation. 2_____

11. Line operated dosimeter charger. Check operation. 1_____

APPENDIX "A" (con't)

12. Dosimeter (High Range) - check calibration	
0-5R	8
0-10R	8
13. Dosimeter (0-500mr) - check calibration	12
Dosimeter (0-1500mr) - check calibration	75
14. Thermal luminescent dosimeters (TLD)	100
15. Packages of (6) environmental TLD badges (off-site only)	3
16. Battery operated, low volume air samplers - calibration check. Run air sampler several minutes to check operation.	6
17. Battery charger - operation check, disconnect	1
18. RADECO H 809 B2 air sampler - run 90 minutes. Check that AG ZEO cartridge is in place. Replace particulate filter at end of run.	2
19. RADECO H 809 C air sampler - run 1 minute	4
20. Filters for air samplers - particulate	100
21. Filters for air samplers - silver zeolite	50
22. Envelopes for air samples - particulate	100
23. Envelopes for air samples - iodine	100
24. Envelopes for smear papers	100
25. Smear papers	1000
26. Decontamination kit (RMC - 2 sealed cases)	1

NOTE: PRECEDE ALL COMMUNICATION WITH "THIS IS A TEST"

27. Radios, Handi-Talkie - radio check with security. Check that charge status lights are illuminated - these are part of circuitry.	5
28. Radios, Porta-mobile II - radio check with Security	5

APPENDIX "A" (con't)

29.	Magnetic car mount antenna	3
30.	Radio, stationary - radio check with security	2
31.	Full face respirator inspect mask, mark bag with inspection date and initials.	22
32.	Charcoal Respirator Filters - check expiration date	22
33.	Voice emitters for respirators - operational check	13
34.	Contaminated clothing & waste containers, 55 gal drum	2
35.	Anti - contamination clothing, sets	25
36.	Step off pads	10
37.	Masking tape rolls (replace January)	1 box
38.	Plastic Bags, poultry	1 box
39.	Plastic bags, clean, large	20
40.	Radioactive material bags, yellow, large	1 roll
41.	Radiation rope	1 roll
42.	Radiation hazard signs with inserts, 10 each. (high radiation area)(radiation area) (surface contamination area)(radioactive material)	10
43.	Thyroid block tablets, bottles - check expiration date	25
44.	Pens and pencils	10
45.	Batteries, D size	10
46.	Batteries, 9V	10
47.	Extension cord	3
48.	NMC CAM - Check flow CAM test (60 ˜), & check switch positions.	1

APPENDIX "A" (con't)

NOTE: PRECEDE ALL COMMUNICATION CHECKS WITH "THIS IS A TEST"

49. Intercom "A" - communication check with Control Room. Call Control Room on GAI page, have them plug in Intercom A and contact survey center. 1_____

50. Telephone Books - Rochester 1, Wayne County 1 1_____

51. Wayne County (946-5663) 1_____

52. Monroe County (9-716-473-0710) 1_____

53. New York State (9-518-457-2200) or State Police Communication backup number (9-518-457-6811) 1_____

54. National Weather Service, Rochester (9-716-328-7633) 1_____

55. National Weather Service, Buffalo (9-716-632-2223) 1_____

Note: Should the HPN be inoperable, initiate a maintenance work order to have the phone repaired and notify the NRC Operations Center (9-301-951-1212)

56. From Health Physics Network phone - call Control Room at 524-4984 and request they call you back at 524-0040

57. From 524-6711 call Control Room at 524-4984 and TSC at 524-4973 1_____

58. From extension 331 call TSC at 474 1_____

59. From extension 207 call TSC at 507 1_____

60. Scissors 1_____

61. Disposable shaving razors 5_____

62. Shaving cream 1_____

63. Mask Use Sheets 22_____

Initials_____ Date_____

APPENDIX "A" (con't)

EMERGENCY EQUIPMENT PER SURVEY BOX

If box is sealed inventory not required. Boxes shall be opened in January and July for battery change and inventory.

1.	Coveralls, disposable	2
2.	Hoods, disposable	2
3.	Gloves, pair	2
4.	Booties, pair	2
5.	Hats, Surgeon	2
6.	Hoods, Rain	2
7.	Coats, Rain	2
8.	Boots, Rain, pair	2
9.	Flashlight with Batteries	1
10.	Plastic Bags	2
11.	Masking Tape, rolls (replace January)	2
12.	Pencils	2
13.	Pencil Sharpener	1
14.	Tablet, writing	1
15.	Survey Route Maps	2
16.	Air Sampler Filters - Particulate	5
17.	Air Sampler Filters - Silver Zeolite GY-130	5
18.	Air Sample Envelopes (Iodine)	10
19.	Air Sample Envelopes (Environmental)	10
20.	Clipboard	1
21.	Appropriate procedure for team (Remove survey route instructions in Appendix III that do not apply to that survey team)	

APPENDIX "A" (con't)

22.	Procedure SC-452, Sampling Snow, Grass, Soil and Vegetation.	_____
23.	Thyroid Block Tablets (bottle)	3_____
24.	Suits, cold weather (carhart) (on-site team only)	2_____
25.	Equipment Belts with Bags (on-site team only)	2_____
26.	First Aid Room key (onsite team only)	1_____
27.	Backpacks - 2 (on-site teams only)	2_____
28.	Respirator hip pouches (on-site only)	2_____
29.	Quarters for Telephones (Off-site team only)	10_____
30.	Hammer and 10 nails (off-site only)	1_____
31.	Garden Trowel	1_____
32.	Tags with wire tie	10_____
33.	Ruler, Scale inches	1_____
34.	Scissors	1_____
35.	Packet of screwdrivers	1_____

Initials_____ Date_____

APPENDIX "B"

EMERGENCY EQUIPMENT IN CONTROL ROOM

1.	Scott Air Pack (SCBA) - monthly inspection	2
2.	Dosimeters 0-5R or 0-10R - check calibration	10
3.	Dosimeters 0-500 mRem - check calibration	15
4.	Dosimeter charger with battery - operability check	1
5.	High range dose rate meter - battery check, source check per HP-7.31 and calibration check (RO2A)	1
6.	Plant radiation survey maps (sets)	3
7.	Smear papers	100
8.	Envelopes for smear papers	10
9.	Thyroid block tablets (bottle) - check expiration date	10
10.	Air sampler, low volume - operability check, calibration check	1
11.	Air sampler filters - particulate	3
12.	Air sampler filters - silver zeolite	3
13.	Radiation monitor RM-14 or equivalent with pancake probe, battery check, source check, calibration check	1
14.	Masking tape, roll (replace January)	1
15.	Anti-contamination clothing (sets)	6
16.	Continuous Air Monitor Eberline AMS-3 check operation of unit and pump. Check calibration - due annually.	1
17.	Head set, control box and minimum 15 feet of cord (for continuous communication with TSC)	1
18.	AA Batteries	4

Initial_____ Date_____

APPENDIX "C"

EMERGENCY EQUIPMENT

OPERATIONAL SUPPORT CENTER

1.	Full face respirators - inspect mask and then seal in a bag with inspection date and initials	6
2.	Respirator charcoal filters - expiration date	6
3.	Anti-contamination clothing (sets)	6
4.	Flood lights, portable - operational check	2
5.	Thyroid block tablets (bottles) - check expiration date	15
6.	Dosimeters 0-500 mRem - check calibration	20
7.	Dosimeters 0-10R - check calibration	10
8.	Dosimeter charger with battery - operational check	1
9.	Daily exposure record sheets	5
10.	Pens	5
11.	Rolls masking tape (replace January)	2
12.	Battery operated low volume air samplers - calibration check. Run air sampler several minutes to check operation.	4
13.	Filters for air samplers - particulate	50
14.	Filters for air samplers - silver zeolite	10
15.	Envelopes for air samples - iodine	50
16.	Envelopes for air samples - particulate	50
17.	Clipboards with pens	4
18.	Mask Use Sheets	6

INTERMEDIATE BUILDING

1.	Scott air pack (SCBA) - monthly inspection	1

APPENDIX "C" (con't)

HEALTH PHYSICS OFFICE

1. Scott air pack (SCBA) - monthly inspection 2_____

2. High range dosimeter - calibration check 20_____

3. Anti-contamination clothing (sets) 20_____

4. High range dose rate meter - battery check, source check per HP-7.31 and check calibration (RO2A, Radector III, Xetec 305 series or Johnson 2000W 5_____

BUTLER BUILDING WAREHOUSE

1. As per SC-3.16.15 and SC-3.16.15:1, the moisture detector (located in the rear of the breathing air compressor in-line with the filter cartridges) is normally a light blue color. If color is found to be pink, DO NOT OPERATE THE COMPRESSOR. Turn in a Trouble Card and notify the Health Physicist responsible for respiratory protection. 1_____

2. For the three - 300 cubic foot breathing air bottles as part of the cascade system, at least one should have a pressure of at least 2200 psi. If none of the three have this minimum pressure reading, turn in Trouble Card and notify Health Physicist responsible for respiratory protection. 1_____

Initials_____ Date_____

APPENDIX "D"

EMERGENCY EQUIPMENT IN TECHNICAL SUPPORT CENTER

1.	Radiation monitor RM-14 or equivalent with HP-260 probe battery check, source check, check calibration	2
2.	Area radiation monitor - battery check, check calibration	1
3.	Full face respirator - inspect mask mark bag with inspection date and initials	10
4.	Respirator charcoal filter - check expiration date	10
5.	Thyroid block tablets (bottles) check expiration date	25
6.	Dosimeter, 500mr - check calibration	75
7.	Dosimeter, high range - check calibration	20
8.	Dosimeter charger with battery - operability check	3
9.	RADECO H-809 B2 air sampler - run 120 minutes	1
10.	Air sample filters - particulate	4
11.	Air sample filters - silver zeolite	4
12.	Anti-contamination clothing (sets)	25
13.	Step Off Pads	10
14.	Daily exposure records sheets	5
15.	Radioactive materials bags (yellow)	5
16.	Masking tape, rolls (replace January)	5
17.	Smear papers	100
18.	Envelopes for smears	10
19.	Envelopes for particulate air sample	10
20.	Envelopes for iodine air samples	10

APPENDIX "D" (con't)

21. Pens and pencils 5 ea._____

NOTE: PRECEDE ALL COMMUNICATION CHECKS WITH "THIS IS A TEST"

22. Radio, Portable - radio check with security 4_____

23. Radio, Stationary - radio check with security book entry 1_____

24. NRC Red telephone - lift receiver, tell party "This is a Ginna Station TSC Communication Check." Request the return call to Ginna Station 1_____

25. Answer NRC Red telephone on call back to verify check _____

26. New York State Red Telephone - Push button, lift receiver, wait 10 seconds, state "This is Ginna Station TSC communication check. This is a test". Then say "All stations standby for roll call". Then ask one at a time if New York State, Wayne County, Monroe County, Control are listening?

1_____

27. EOF Direct line (63PL5187) Telephone 1_____

Note: Should the HPN be inoperble, initiate a maintenance work order to have the phone repaired and notify the NRC Operation's Center at (300) 951-1212.

28. From Health Physic Network phone - call Control Room at 524-4984 and request they call you back at 524-0040 1_____

29. Battery operated, low volume air sampler check calibration run for several minutes to check operation. 1_____

30. NMC CAM-check flow, CAM test (60 ˜), and check switch positions. 1_____

31. Head set, control box, and minimum 15 feet of cord (for continuous communication with Control Room) 1_____

APPENDIX "D" (con't)

32. AA Batteries 4_____

33. Extension Cords 2_____

34. Mask Use Sheets 10_____

Initials_____ Date_____

APPENDIX "E"

EMERGENCY EQUIPMENT MONTHLY INSPECTION LOG

	DISCREPANCIES NOTED CORRECTED	DISCREPANCIES
Survey Center	Date_____Initials_____	Date_____Initials_____
Control Room	Date_____Initials_____	Date_____Initials_____
HP Office	Date_____Initials_____	Date_____Initials_____
Intermediate Bldg	Date_____Initials_____	Date_____Initials_____

APPENDIX "E" (con't)

Butler Bldg. Warehouse	Date_____Initials_____	Date_____Initials_____
Technical Support Center	Date_____Initials_____	Date_____Initials_____
Operational Support Center	Date_____Initials_____	Date_____Initials_____

REVIEWED BY:_____

One copy of the completed Appendix "E" Emergency Equipment Monthly Inspection Log provided to Dave Burke (49/5)

Copy sent _____

GINNA STATION
UNIT #1
COMPLETED
DATE:-
TIME:-

ROCHESTER GAS AND ELECTRIC CORPORATION

GINNA STATION

CONTROLLED COPY NUMBER 23

PROCEDURE NO. SC-423 REV. NO. 0

ESTIMATING OFF-SITE DOSES DUE TO DEPOSITION

TECHNICAL REVIEW

PORC REVIEW DATE 10-9-87

S M Spector
PLANT SUPERINTENDENT

10-16-87
EFFECTIVE DATE

QA_____ NON-QA _____ CATEGORY 1.0

REVIEWED BY: _____

THIS PROCEDURE CONTAINS 19 PAGES

SC-423

ESTIMATING OFF-SITE DOSES

DUE TO DEPOSITION

1.0 PURPOSE:

1.1 This procedure provides methods of estimating dose resulting from the deposition of radioactive material from the overpassing plume. Deposition of radioactive material can result in exposure to people through ingestion of contaminated food or water, external exposure from standing on contaminated ground, and inhalation of resuspended radionuclides.

1.2 This procedure provides protective action recommendations (PARs) that can be made based on measured area deposition, forage concentration and milk activity. The preventative Protective Action Guide (PAG) establishes levels that cause minimal impact on the food supply by preventing or reducing the concentration of radioactivity in food or animal feed. The preventative PAG is used when projected doses from ingestion can exceed 0.5 rem to the whole body or 1.5 rem to the thyroid.

The emergency PAG establishes levels at which contaminated food should be isolated from commerce because of greater projected health hazards.

The emergency PAG is used when projected doses from ingestion can exceed 5 rem to the whole body or 15 rem to the thyroid.

2.0 REFERENCES:

2.1 RG&E Corporation Nuclear Emergency Response Plan

2.2 NYS Radiological Emergency Preparedness Plan

2.3 EPA-520, Manual of Protective Action Guides and Protective Actions for Nuclear Incidents

2.4 USNRC Regulatory Guide 1.109

2.5 FDA Response Levels for the Preventative and Emergency PAGs, Federal Register Volume 47, No. 205, 47073-47083, October 22, 1982

2.6 SC-450, Post Accident Environmental Sampling

2.7 SC-452, Sampling Snow, Grass, Soil and Vegetation

3.0 INSTRUCTIONS:

3.1 Ingestion pathway sampling

3.1.1. State, Federal and RG&E environmental survey teams will collect field samples so the off-site levels of radioactive deposition can be determined. The results of the isotopic analysis of samples collected by RG&E and results of surveys made by RG&E will be provided to the state. The state will use all sample results to determine whether any protection actions are warranted to limit exposure to the public through the food and water pathways.

3.2 Implementation of Protective Action Recommendations

3.2.1 The state will determine if any protective actions are necessary to limit exposure to the public based on the Federal Drug Administration Protective Action Guides. If the protective action guides are exceeded the state will implement necessary protection actions. RG&E dose assessment can do an independent determination and advise the state if the protective guides are exceeded.

3.3 Protective Action Revision and Termination

3.3.1 The state decides whether protective actions should be revised or terminated.

3.4 Predetermined Protective Action Recommendations

3.4.1 If a Site Area Emergency is declared the state will issue an immediate advisory to place all milk animals within two miles on stored feed.

3.4.2 If a General Emergency is declared, the state will issue an immediate advisory to place all milk animals within ten miles on stored feed.

3.5 External dose from surface contamination

3.5.1 The external dose from deposition can be determined by surveying the ground surface to obtain the dose rate and multiplying by the projected exposure time.

3.5.2 Surveys are conducted using a dose rate meter and taking readings one meter from the surface. A micro-R meter can be used to survey areas of low level surface contamination.

3.5.3 If the projected dose exceeds the EPA PAGs for whole body exposure given in procedure SC-420, protective actions will be recommended.

3.5.3.1 The protective action recommended will be dependent on the half life of the contaminant, the nature of the contaminated surface, weather conditions and the magnitude and extent of the contamination. The protective actions would range from washing of the contamination by simple hosing to sheltering the followed by evacuation depending on the severity of the contamination problem.

3.5.3.2 If personal contamination of the public is anticipated prior to taking shelter, recommendations will be made to wash exposed parts of the body, shower and change clothes as soon as practical.

3.6 Fresh Milk

3.6.1 Obtain Attachment 3, Fresh Milk Protective Action Worksheet

3.6.2 Determine the area for which the protective action analysis is to be made. Enter the area of concern on the worksheet as item 1.

3.6.3 Determine the projected ground deposition activity. This is done by multiplying the release rate of the isotope times the x/Q times the deposition velocity of 0.01 m/sec times 10^6 uCi/Ci.

____Ci/sec x 10^6 uCi/Ci____sec/m^3 x 0.01 m/sec=____uCi/m^2

3.6.4 Obtain the measured ground deposition and peak milk activities, if available, and enter in item 5. Measured ground activity levels and sample results may not be available for hours to days. Ground deposition activity can be measured by surveying with an HP-190 GM probe with open window. Survey at 1 cm from the surface and multiply net cpm time 2.5 E-03 to obtain uCi/m^2. Survey at 1 meter from the surface and multiply net cpm by 33 to obtain uCi/m^2.

3.6.5 Complete the action statements in items 3 and 4, and also items 6 and 7.

3.6.6 If any of the projected or measured activity levels exceed the listed preventative protective activity response levels, the preventative protective actions in Attachment 7 should be considered. If any emergency response levels are exceeded, consult Attachment 8.

3.7 Water

This subsection is used in conjunction with Attachment 4 to determine if protective actions are necessary for potable water.

As soon as water samples have been collected and analyzed, use the measured dose as a basis for protective actions.

3.7.1 Obtain Attachment 4, Drinking Water Protective Action Worksheet.

3.7.2 Obtain the measured drinking water activity level from the laboratory and enter into item 1b.

3.7.3 If the measured activity levels exceed the listed response levels, consider the preventive protection action for water ingestion as outlined in Attachment 7, Preventative Protective Actions, and the emergency protective actions as outlined in Attachment 8, Emergency Protective Actions.

3.8 Foods Other than Milk

This subsection is used in conjunction with Attachment 5 to determine if protective action is necessary for foods other than milk. This procedure used the dietary factors of Attachment 6 and the measured food activity levels. The preventative and emergency protective actions for the ingestion of these foods are outlined in Attachment 7 and 8.

3.8.1 Obtain Attachment 5, Determination of Protective Actions for Foods Other Than Milk

3.8.2 Determine the type of food for which protection analysis is to be made and enter into Item 1.

3.8.3 Enter into item 2 and on USGS topographic maps the location where analyzed food sample originated.

3.8.4 Determine the daily consumption of specific foods in kilograms per day for the general population from information in Attachment 6.

3.8.5 Assessment of the effective days of intake (item 5) should consider the specific food, the population involved, the food distribution system, and the radionuclide. Whether the food is distributed to the retail market or produced for home use will significantly affect the intake in most instances. Thus, while assessment of intake should be on a case-by-case basis, some general comments may be useful in specific circumstances.

3.8.6 For short half-life radionuclides, radioactive decay will limit the ingestion of radioactive materials and the effective "days of intake". The effective "days of intake" in this case is 1.44 times the radiological half-life. For iodine- 131 (half-life-8.05 days), the effective "days of intake" is, thus, 11 days.

3.8.7 Where the food product is being harvested on a daily basis, it may be reasonable to assume reduction of contamination due to weathering. As an initial assessment, it may be appropriate to assume a 14-day weathering half-life (used for forage in pasture/cow/milk pathway) pending further evaluation. In this case, the effective "days of intake" is 20 days. A combination of radioactive decay and weathering would result in an effective half-life for iodine-131 of 5 days and reduce the "days of intake" to 7 days.

3.8.8 In the case of a food which is sold in the retail market, the effective "days of intake" would probably be limited by the quantity purchased at a given time. For most food, especially fresh produce, this would probably be about a 1 week supply. In some cases, however, larger quantities would be purchased for home canning or freezing. For most foods and members of the public, and effective "days of intake" 30 days is probably conservative.

3.8.9 Perform the calculation in item 7 and enter the values in item 8. If the projected intake values for any isotope exceed the preventative protection action guides, the Preventive Protection Actions, as outlined in Attachment 7 should be considered. If the isotopic projected intake values exceed the emergency protective actions guides, than emergency protective actions as outlined in Attachment 8, Emergency Protective Actions, should be considered.

ATTACHMENT 1

DERIVED RESPONSE LEVELS FOR PREVENTIVE PAG

Radionuclide -	I-131	Cs-134	Cs-137	Sr-90	Sr-89
SOURCE OF SAMPLE					
Initial Deposition ($u Ci/m^2$)	0.13	2.0	3.0	0.5	8.0
Peak Activity:					
Pasture (uCi/kg)*	0.05	0.8	1.3	0.18	3.0
Milk (u Ci/l)	0.015	0.15	0.24	0.009	0.14
Total intake (u Ci)	0.09	4.0	7.0	0.2	2.6
Dose Commitment (rem)	1.5	0.5	0.5	0.5	0.5

* Fresh Weight

NOTE: Attachment 1 uses infants as the critical segment of the population. For I-131, the newborn infant is the critical population segment. For the other radionuclides, "infant" refers to a child less than 1 year of age.

Reference: Department of Health and Human Services
Food and Drug Administration
Federal Register, Volume 47, No. 205, October 22, 1982

ATTACHMENT 2

DERIVED RESPONSE LEVELS FOR EMERGENCY PAG

Radionuclide	I-131		Cs-134		Cs-137		Sr-90		Sr-89	
Source of Sample	*Infant	Adult	Infant	Adult	**Infant	Adult***	Infant	Adult	Infant	Adult
Initial Deposition ($u Ci/m^2$)	1.3	18.0	20.0	40.0	30.0	50.0	5.0	20.0	80.0	1600.0
Peak Activity:										
Pasture (u Ci/kg)	0.5	7.0	8.0	17.0	13.0	19.0	1.8	8.0	30.0	700.0
Milk (u Ci/l)	0.15	2.0	1.5	3.0	2.4	4.0****	0.09	0.4	1.4	30.0
Total Intake (u Ci)	0.9	10.0	40.0	70.0	70.0	80.0	2.0	7.0	26.0	400.0
Dose Commitment (rem)	15.0	15.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0

* Newborn infant critical population segment
** "Infant" refers to child less than 1 year of age
*** Based on Meat-to-Man Pathway
**** Peak activity in meat, u Ci/kg

References: Department of Health and Human Services
Food and Drug Administration
Federal Register, Volume 47, No. 205, October 22, 1982

ATTACHMENT 3
FRESH MILK PROTECTIVE ACTION WORKSHEET

Time:_____ Date:_____ Prepared by:_____

1. Area of Concern:_____

2. Enter the projected and measured pasture land ground deposition activity levels in the appropriate column.

Radionuclide	Ground Deposition Activity Levels uCi/m^2 Projected	Measured	Response Levels uCi/m^2 Preventive	Emergency Infant	Emergency Adult
I-131	_____	_____	0.13	1.3	18.0
Cs-134	_____	_____	2.0	20.0	40.0
Cs-137	_____	_____	3.0	30.0	50.0
Sr-90	_____	_____	0.5	5.0	20.0
Sr-89	_____	_____	8.0	80.0	1,600.0

3. Circle the projected or measured activity levels which exceed the indicated preventive response level for each radionuclide.

4. Compare the circles activity levels against Emergency adult and infant response levels. Circle the response levels which are exceeded.

5. Enter the concentration levels for pasture grass and fresh milk for each radionuclide. Projected values will not normally be available.

Radionuclide	Pasture Grass (uCi/kg) Projected	Measured	Response Levels Preventive	Emergency Infant	Emergency Adult
I-131	_____	_____	0.05	0.5	7.0
Cs-134	_____	_____	0.8	8.0	17.0
Cs-137	_____	_____	1.3	13.0	19.0
Sr-90	_____	_____	0.18	1.8	18.0
Sr-89	_____	_____	3.0	30.0	700.0

Radionuclide	Fresh Milk (uCi/l) Projected	Measured	Response Levels Preventive	Emergency Infant	Emergency Adult
I-131	_____	_____	0.015	0.15	2.0
Cs-134	_____	_____	0.15	1.5	3.0
Cs-137	_____	_____	0.24	2.4	4.0
Sr-90	_____	_____	0.009	0.09	0.4
Sr-89	_____	_____	0.14	1.4	30.0

ATTACHMENT 3 (CONT'D)

FRESH MILK PROTECTION ACTION WORKSHEET

6. Circle the measured activity levels which exceed the indicated preventive response level for each radionuclide.

7. Compare the circled activity levels against the emergency adult and infant response levels. Circle any response levels which are exceeded.

8. Consult Attachment 7 for Preventive Actions and Attachment 8 for Emergency Protective Actions.

ATTACHMENT 4

DRINKING WATER PROTECTIVE ACTION WORKSHEET

Time:_____ Date:_____ Prepared by:_____

1. Measured CONCENTRATION vs. Preventive Response Level (PRL)

   a. Location from which sample was taken:_____

   b. Enter the measured CONCENTRATION for each radionuclide in the space provided below:

Radionuclide	Measured	PRL (uCi/l)
I-131	_____	0.015
Cs-134	_____	0.15
Cs-137	_____	0.24
Sr-90	_____	0.009
Sr-89	_____	0.14

   c. Compare the measured concentrations for each radionuclide against its preventive response level. Circle the measured concentration which exceed their preventive response levels.

2. If protective actions are warranted consult Attachments 7 and 8.

ATTACHMENT 5

DETERMINATION OF PROTECTIVE ACTIONS FOR FOODS OTHER THAN MILK

Time:_____ Date:_____ Prepared by:_____

1. Type of food:_____

2. Location where analyzed food sample originated:_____

3. Total intake values (uCi) from Preventive and Emergency PAGs.

	Preventive	Emergency	
		Infant	Adult
I-131	0.09	0.9	10.0
Cs-134	4.0	40.0	70.0
Cs-137	7.0	70.0	80.0
Sr-90	0.2	2.0	7.0
Sr-89	2.6	26.0	400.0

4. Daily consumption of food type (kg/day) from Attachment 6 = _____

5. Days of Intake (days) = _____

6. Measured Concentration levels (uCi/kg)

I-131 _____ Cs-134 _____ Sr-90 _____
Cs-137 _____ Sr-89 _____

7. Projected Intake Value (PIV)

Where:

PIV (uCi) = (Daily Cons.) x (Days of Intake) x (Measured Conc)
Item 4 Item 5 Item 6

a. I-131: PIV = ( ) x ( ) x ( )

= _____ uCi

b. Cs-134: PIV = ( ) x ( ) x ( )

= _____ uCi

c. Cs-137: PIV = ( ) x ( ) x ( )

= _____ uCi

ATTACHMENT 5 (CONT'D)

DETERMINATION OF PROTECTIVE ACTIONS FOR FOODS OTHER THAN MILK

d. Sr-90: PIV = ( ) x ( ) x ( )

= _____ uCi

e. Sr-89: PIV = ( ) x ( ) x ( )

= _____ uCi

Enter response levels in the Projected Intake Value Column of Item 8.

8. Comparison of PIV with Protective Action Guides

Radionuclide	Projected Intake Value uCi	Protective Action Guides Preventive uCi	Emergency Infant uCi	Emergency Adult uCi
I-131	_____	0.09	0.9	10.0
Cs-134	_____	4.0	40.0	70.0
Cs-137	_____	7.0	70.0	80.0
Sr-90	_____	0.2	2.0	7.0
Sr-89	_____	2.6	26.0	400.0

9. Circle the protective action guides which are exceeded by the PIVs.

10. Consult Attachment 7 for consideration of preventive protective actions and Attachment 8 for consideration of emergency protective actions.

ATTACHMENT 6

DAILY CONSUMPTION OF SPECIFIC FOODS

Food	Average Consumption for the General Population (Kilogram/Day)
Milk, Cream, Cheese, Ice Cream	.570
Fats, Oils	.055
Flour, Cereal	.091
Bakery Products	.150
Meat	.220
Poultry	.055
Fish and Shellfish	.023
Eggs	.055
Sugar, Syrup, Honey, Molasses, etc.	.073
Potatoes, Sweet Potatoes	.105
Vegetables, fresh (excluding potatoes)	.145
Vegetables, canned, frozen, dried	.077
Vegetable juice (single strength)	.009
Fruit, fresh	.165
Fruit, canned, frozen, dried	.036
Fruit juice (single strength)	.045
Other Beverages (soft drinks, coffee, alcoholic)	.180
Soups and Gravies (mostly condensed)	.036
Nuts and Peanut Butter	.009
TOTAL	2.099

ATTACHMENT 7

PREVENTIVE PROTECTIVE ACTIONS

Food Type		Protective Action
1.0	Fresh Milk	
1.1	Farm	a. Remove lacating dairy animals from contaminated pasturage, move the animals in-doors, and provide uncontaminated feed (had been stored in-doors or covered out-of-doors).
		b. Provide animals with uncontaminated water. Sources may be covered wells, covered cisterns, and closed storage tanks. Do not use surface water such as streams, ponds, or open reservoirs.
		c. If individual milkings cannot be stored in separate tanks, take a representative one-gallon sample from each milking, affix identification and refrigerate. Samples will be picked up by a survey team.
		d. Store for a prolonged period of time at reduced temperature.
1.2	Processor	a. Withhold contaminated milk from the market to allow radioactive decay of short-lived radionuclide. This may be achieved by storing frozen fresh milk, frozen concentrated milk products.
		b. Store for a prolonged period of time at at reduced temperature in conjunction with a special pasteurization process using ultra high temperatures.
		c. Divert the production of fluid milk for the production of dry whole milk, non-fat dry milk, butter or evaporated milk.

ATTACHMENT 7 (CONT'D)

PREVENTIVE PROTECTIVE ACTIONS

		d.	Attempt to store all incoming shipments in separate tanks and segregate milk not originating in the 50-mile EPZ. Take a one-gallon representative sample of each incoming shipment, affix identification (source, date/time of arrival, carrier, volume, in-plant storage tank, etc.) and refrigerate. Samples will be picked up by a survey team.
	1.3 Public	a.	No advisory.
2.0	Drinking Water		
	2.1 All	a.	Do not use surface water (streams, lakes, ponds) for human and animal consumption.
		b.	Limit the ingestion of potable water (either for drinking or cooking) until the source has been checked and approved for consumption.
		c.	Water stored in closed containers or vessels prior to the incident may be ingested. This includes refrigerator storage, closed tanks, covered wells, etc.
		d.	Bottles water and canned beverages and juices may be used as water sources.
3.0	Fresh Fruits and Vegetables		Includes crops in the field, in transit to market, roadside stands, markets and in homes.
	3.1 Commerce	a.	Remove surface contamination by washing, brushing, scrubbing or peeling.

ATTACHMENT 7 (CONT'D)

PREVENTIVE PROTECTIVE ACTIONS

b. Food in sealed packages, cans, cartons, barrels, etc. needs no treatment.

3.2 Public

a. If stored in the open, remove surface contamination by washing, brushing scrubbing or peeling.

b. Food in sealed packages, in refrigerators or closets are otherwise protected, needs no treatment.

4.0 Fin Fish and Shell Fish

Commercial fish firms and charter fishing boats.

a. Suspend fishing operations until resumption is recommended.

b. Check the catch made on the day of the advisory.

c. Keep catch covered until transported outside the area of possible contamination.

5.0 Animal Feeds (other than pasture grass)

Use feed that had been stored indoors.

6.0 General

6.1 Public

a. Preserve food before contamination by canning, freezing and dehydration.

b. Cooked or raw food may be stored in a refrigerator, closet, box, or other closed container.

c. Store food to permit radioactive decay of short lived radionuclides.

ATTACHMENT 8

EMERGENCY PROTECTIVE ACTIONS

Food Type		Protective Action
1.0 Fresh Milk		
	1.1 Farms	a. Prevent introduction of milk supplies into commerce.
		b. Provide animals with uncontaminated feed - stored in-doors or protected.
		c. Provide animals with uncontaminated water - stored in covered or closed tanks or from a deep well.
		d. If individual milkings cannot be stored in separate tanks, take a representative one-gallon sample from each milking, affix identification and refrigerate. Samples will be picked up by a survey team.
	1.2 Processor	a. Withhold contaminated milk from the market to allow radioactive decay of short-lived radionuclide. This may be achieved by storing frozen fresh milk, frozen concentrated milk or frozen concentrated milk products.
		b. Store for a prolonged period of time at a reduced temperature in conjunction with a special pasteurization process using ultra high temperatures.
		c. Divert the production of fluid milk for the production of dry whole milk, non-fat dry milk, butter or evaporated milk.
		d. Attempt to store all incoming shipment in separate tanks and segregate milk not originating in the 50-mile EPZ.

ATTACHMENT 8 (CONT'D)

EMERGENCY PROTECTIVE ACTIONS

e. Take a one-gallon representative sample of each incoming shipment, affix identification (source, date/time of arrival, carrier, volume, in-plant storage tank, etc.) and refrigerate. Samples will be picked up by a survey team.

1.3 Public

a. Fresh milk on hand prior to the advisory and stored in closed containers may be used.

b. Dry or canned milk in closed containers may be used.

2.0 Water

2.1 Farms

a. Do not use surface water for human or animal consumption. Surface water may be used for sanitary and non-consumption other purposes.

b. Other water sources identified as contaminated should not be consumed but may be used for other purposes.

c. Water stored in closed tanks or vessels prior to the advisory may be consumed.

2.2 Commerce

a. Water identified as contaminated should not be used for processing of materials (consumables, containers) which will enter the food chain.

b. Contaminated water may be used for other industrial and commercial operations if so advises.

2.3 Public

a. Secure outlets of wells for water identified as contaminated. Do not use reservoir water identified as contaminated. Do not use water for consumption that has

ATTACHMENT 8 (CONT'D)

EMERGENCY PROTECTIVE ACTIONS

not been check. If approved, this water may be used for sanitary and other purposes.

b. Use alternate sources of liquid such as: water drawn and stored in closed containers prior to the advisory, bottles water, bottled/canned beverages and juices, and water provided by emergency organizations such as the American Red Cross and the National Guard. Arrangements for alternate, emergency water will be made by the Health Services Coordinator.

3.0 Other Foods

3.1 Commerce

a. Prevent introduction of food type into commerce if it has been identified as contaminated.

b. Consider other sources of food originating outside the 50-mile EPZ.

c. Do not process or vend unpackaged food if the operations area is contaminated.

3.2 Public

a. Restrict diet to foods stored in closed containers prior to the advisory or packaged, sealed foods.

b. Fresh fruits and vegetables should be thoroughly washed, brushed, scrubbed, or peeled.

4.0 General

a. Restrict diet to foods not identified as contaminated or originating outside the 50-mile EPZ.

b. Stay alert for public information bulletins.

ROCHESTER GAS AND ELECTRIC CORPORATION

GINNA STATION

CONTROLLED COPY NUMBER 23

PROCEDURE NO. SC-601 REV. NO. 16

UNUSUAL EVENT NOTIFICATION

TECHNICAL REVIEW

PORC REVIEW DATE 7-20-89

Joseph A. Widay
PLANT SUPERINTENDENT

8-4-89
EFFECTIVE DATE

QA X NON-QA _____ CATEGORY 1.0

REVIEWED BY: _____

THIS PROCEDURE CONTAINS 2 PAGES

GINNA STATION
UNIT #1
COMPLETED

DATE:-

TIME:-

SC-601

UNUSUAL EVENT NOTIFICATION

1.0 PURPOSE:

1.1 Provide information for the activation of the Emergency Response Plan at the Unusual Event Level.

2.0 REFERENCES:

2.1 Nuclear Emergency Response Plan

2.2 SC-200 Emergency Response Organization/Responsibilities

2.3 NUREG 0654

3.0 INSTRUCTIONS:

3.1 During normal working hours steps 3.2.1 through 3.2.6 may not be necessary.

3.2 Report "We have an Unusual Event at Ginna Station based on_____" "Please report to your emergency
(Initial Condition)
station" to the following:

3.2.1 Plant Manager

3.2.1.1 Stan Spector — Home 9-716-271-6177, Summer 9-716-554-3269, Pager 9-716-921-5507

3.2.2 If Plant Manager not available:

3.2.2.1 Tom Marlow — Home 9-716-223-3740

3.2.2.2 or Joe Widay — Home 9-716-586-2679

3.2.3 Duty Engineer - see operations Plan of Day for phone number.

3.2.4 Operations Manager

3.2.4.1 Terry Schuler — 9-716-671-3643, Pager 9-716-921-8278

3.2.4.2 If not available
- Larry Smith — 9-315-524-9351

3.2.5	USNRC Resident Inspector		
3.2.5.1	Charles Marschall		9-315-592-4749
3.2.5.2	Neil Perry		9-315-331-6101
3.2.6	Jack Noon	Business Home Pager	71-8031 9-716-342-1282 9-716-921-5522
3.2.6.1	If not available Howard E. Rowley	Business Home	71-8809 9-716-377-5096
	or		
3.2.6.2	Michael C. Power	Business Home	71-8828 9-716-388-1036

3.3 Report information to New York State, Wayne and Monroe Counties within 15 minutes of classifying the emergency using SC-701, and USNRC within 1 hour, using O-9.3.

3.4 At request of Plant Superintendent notify additional persons to staff TSC as appropriate. A PORC quorum shall be notified as a minimum. Position notified may include:

- Maintenance Management and support
- HP and Chemistry Management and support
- Reactor Engineer
- Technical Manager
- Security Manger
- Operations Management and support
- Nuclear Assurance Management and support
- Communications support

3.5 The emergency centers for New York State, Wayne & Monroe County may activate and request information verification using the NYS Hot Line (RECS Line). Please provide the information.

3.6 If the event lasts greater than 1 hour, an update using SC-701 should be provided each hour from the event initiation.

ROCHESTER GAS AND ELECTRIC CORPORATION

GINNA STATION

CONTROLLED COPY NUMBER 23

PROCEDURE NO. SC-602 REV. NO. 23

ALERT NOTIFICATION

TECHNICAL REVIEW

PORC REVIEW DATE 1-25-90

Joseph A. Widay
PLANT SUPERINTENDENT

2-2-90
EFFECTIVE DATE

QA X NON-QA _____ CATEGORY 1.0

REVIEWED BY: _____

THIS PROCEDURE CONTAINS 3 PAGES

GINNA STATION
UNIT #1
COMPLETED
DATE:-
TIME:-

SC-602

ALERT NOTIFICATION

1.0 PURPOSE:

1.1 Provide information for the activation of the emergency response plan at the alert level.

2.0 REFERENCES:

2.1 Nuclear Emergency Response Plan

2.2 SC-200, Emergency Response Organization/Responsibilities

2.3 NUREG 0654

3.0 INSTRUCTIONS:

3.1 During normal working hours steps 3.2 through 3.3 may not be necessary.

3.2 Notify Gas Dispatcher (71-8522) to begin the GINNA STATION SITE CONTINGENCY CALL LIST, SC-605.

3.3 Notify RG&E Telephone Service (71-0) to begin the GINNA STATION SITE CONTINGENCY CALL LIST SC-605, Attachment B.

3.4 Report "WE HAVE AN ALERT AT GINNA STATION BASED ON _____" "PLEASE REPORT TO YOUR EMERGENCY STATION" to the following:
(initiating condition)

3.4.1 Plant Manager -

3.4.1.1	STAN SPECTOR	Home -	9-716-271-6177
		Summer -	9-716-554-3269
		Pager -	9-716-921-5507
3.4.1.1.1	If Plant Manager not available:		
3.4.1.1.2	TOM MARLOW	Home -	9-716-223-3740
3.4.1.1.3	or JOE WIDAY	Home -	9-716-586-2679

3.5	Report "WE HAVE AN ALERT AT GINNA STATION BASED ON _____" to the following: (initiating condition)	
3.5.1	Notify EOF Recovery Manager	
3.5.1.1	V.P. Engineering and Production Robert Smith	Business- 71-8074 Home - 9-716-872-3499 Pager - 9-716-921-8317
3.5.2	If unable to contact individual in steps 3.5.1.1 call the below persons until one is reached and request they report to EOF as Recovery Manager.	
3.5.2.1	General Manager of Nuclear Production Robert Mecredy	Business- 71-8069 Home - 9-716-381-6430 Pager - 9-716-921-5514
3.5.2.2	Gary Meier	Business- 9-716-546-2700 ext. 21-222 Home - 9-315-589-6691
3.5.2.3	Bruce Snow	Business- 71-8058 Home - 9-716-671-5062 Pager - 9-716-921-5510
3.5.2.4	Paul Wilkens	Business- 71-8076 Home - 9-716-248-2385
3.6	USNRC Resident Inspector -	
3.6.1	CHARLES MARSCHALL	9-315-592-4749
3.6.2	NEIL PERRY	9-315-331-6101
3.7	Report information to New York State, Wayne County and Monroe County within 15 minutes of declaring the event. Refer to SC-701 for report and phone contact.	
3.8	Notify Security (ext. 208 or page) to activate Security Personnel Action During A Radiation Emergency.	
3.9	Report information to USNRC within one hour using O-9.3.	
3.10	Notify Power Control that Ginna has an emergency and to implement procedure to increase reliability of power supply to Ginna.	

3.11 Contact personnel at special locations as known by Shift Supervisor or Control Room personnel and request they report to Ginna Station for an emergency.

3.12 Review that all personnel on this list have been contacted and when Gas Dispatcher and Telephone Service report back which personnel have not been contacted, continue to try reaching them. Make Shift Supervisor aware of any incomplete calls.

3.13 Contact INPO at 9-404-953-0904 or using phone number in SC-606 to activate their Emergency Response Plan.

ROCHESTER GAS AND ELECTRIC CORPORATION

GINNA STATION

CONTROLLED COPY NUMBER 23

PROCEDURE NO. SC-603 REV. NO. 22

SITE EMERGENCY NOTIFICATION

TECHNICAL REVIEW

PORC REVIEW DATE 7-20-89

Joseph A. Widay
PLANT SUPERINTENDENT

8-4-89
EFFECTIVE DATE

QA X NON-QA _____ CATEGORY 1.0

REVIEWED BY: _____

THIS PROCEDURE CONTAINS 3 PAGES

GINNA STATION
UNIT #1
COMPLETED

DATE:-

TIME:-

SC-603

SITE EMERGENCY NOTIFICATION

1.0 PURPOSE:

1.1 Provide information for the activation of the emergency response plan at the site emergency level.

2.0 REFERENCES:

2.1 Nuclear Emergency Response Plan

2.2 SC-200, Emergency Response Organization/Responsibilities

2.3 NUREG 0654

3.0 INSTRUCTIONS:

3.1 During normal working hours steps 3.2 through 3.3 may not be necessary.

3.2 If you completed SC-602, go to Step 3.5.

3.3 Notify Gas Dispatcher (71-8522) to begin the GINNA STATION SITE CONTINGENCY CALL LIST, SC-605.

3.4 Notify RG&E Telephone Service (71-0) to begin the GINNA STATION SITE CONTINGENCY CALL LIST SC-605, Attachment B.

3.5 Report "WE HAVE A SITE EMERGENCY AT GINNA STATION BASED ON_____" "PLEASE REPORT TO YOUR EMERGENCY
(initiating condition)
STATION" to the following:

3.5.1 Plant Manager -

3.5.1.1	STAN SPECTOR	Home -	9-716-271-6177
		Summer -	9-716-554-3269
		Pager -	9-716-921-5507

3.5.2 If Plant Manager not available contact:

3.5.2.1	TOM MARLOW	Home -	9-716-223-3740
3.5.2.2	or JOE WIDAY	Home -	9-716-586-2679

3.6 Report "WE HAVE A SITE EMERGENCY AT GINNA STATION BASED ON _____" to the following: (initiating condition)

3.6.1 Notify EOF Recovery Manager

3.6.1.1 V.P. Engineering and Production
Robert Smith
Business- 71-8074
Home - 9-716-872-3499
Pager- 9-716-921-8317

3.6.2 If unable to contact individual in step 3.6.1.1 call the below persons until one is reached and request they report to EOF as Recovery Manager.

3.6.2.1 General Manager of Nuclear Production
Robert Mecredy
Business- 71-8069
Home - 9-716-381-6431
Pager - 9-716-921-5514

3.6.2.2 Gary Meier
Business- 9-716-546-2700 ext. 21-222
Home - 9-315-589-6691

3.6.2.3 Bruce Snow
Business- 71-8058
Home - 9-716-671-5912
Pager - 9-716-921-5510

3.6.2.4 Paul Wilkens
Business- 71-8076
Home - 9-716-248-2385

3.7 USNRC Resident Inspector -

3.7.1 CHARLES MARSCHALL 9-315-592-4749

3.7.2 NEIL PERRY 9-315-331-6101

3.8 Report information to New York State, Wayne County and Monroe County within 15 minutes of declaring the event. Refer to SC-701 for report and phone contact.

3.9 Notify Security (ext. 258 or page) to activate Security Personnel Action During A Radiation Emergency.

3.10 Report information to USNRC within one hour using O-9.3.

3.11 Notify Power Control that Ginna has an emergency and to implement procedure to increase reliability of power supply to Ginna.

3.12 Contact personnel at special locations as known by Shift Supervisor or Control Room personnel and request they report to Ginna Station for an emergency.

3.13 Report "WE HAVE A SITE EMERGENCY BASED ON: _____" to the following: (initiating condition)

3.13.1 Contact Westinghouse at 9-412-374-3390 or using phone numbers in SC-606 to activate their Emergency Response Plan.

3.13.2 Contact INPO at 9-404-953-0904 or using phone numbers in SC-606 to activate their Emergency Response Plan.

3.14 If requested by Emergency Coordinator, request radiological assistance from RAP team, Brookhaven at 9-516-282-2200.

3.15 Review that all personnel on this list have been contacted and when Gas Dispatcher and Telephone Service report back which personnel have not been contacted continue to try reaching them. Make Shift Supervisor aware of any incomplete calls.

ROCHESTER GAS AND ELECTRIC CORPORATION

GINNA STATION

CONTROLLED COPY NUMBER 23

PROCEDURE NO. SC-604 REV. NO. 24

GENERAL EMERGENCY NOTIFICATION

TECHNICAL REVIEW

PORC REVIEW DATE 7-20-89

Joseph A. Widay
PLANT SUPERINTENDENT

8-4-89
EFFECTIVE DATE

QA X NON-QA _____ CATEGORY 1.0

REVIEWED BY: _____

THIS PROCEDURE CONTAINS 3 PAGES

GINNA STATION
UNIT #1
COMPLETED

DATE:-

TIME:-

SC-604

GENERAL EMERGENCY NOTIFICATION

1.0 PURPOSE:

1.1 Provide information for the activation of the Emergency Response Plan at the General Emergency Level.

2.0 REFERENCES:

2.1 Nuclear Emergency Response Plan

SC-200 Emergency Response Organization/Responsibilities

2.2 NUREG 0654

3.0 INSTRUCTIONS:

3.1 During normal working hours steps 3.2 through 3.4 may not be necessary.

3.2 If you completed SC-602 go to step 3.5.

3.3 Notify Gas Dispatcher (71-8522) to begin GINNA STATION SITE CONTINGENCY Call List SC-605.

3.4 Notify RG&E Telephone Service (71-0) to begin the GINNA STATION SITE CONTINGENCY CALL LIST SC-605, Attachment B.

3.5 Report "WE HAVE A GENERAL EMERGENCY AT GINNA STATION BASED ON _____ (initiating condition)" "PLEASE REPORT TO YOUR EMERGENCY STATION" to the following:

3.5.1 Plant Manager

3.5.1.1	Stan Spector	Home -	9-716-271-6177
		Summer -	9-716-554-3269
		Page -	9-716-921-5507

3.5.1.1.1 If Plant Manager not available:

3.5.1.1.2	Tom Marlow	Home -	9-716-223-3740
3.5.1.1.2	or Joe Widay	Home -	9-716-586-2679

3.6 Report "We have a General Emergency at Ginna Station based on _____" to the following:
(initiating condition)

3.6.1 Notify EOF Recovery Manager

3.6.1.1 V.P. Engineering and Production
Robert Smith
Business- 71-8074
Home - 9-716-872-3499
Pager - 9-716-921-8317

3.6.2 If unable to contact individual in step 3.6.1.1 call the below persons until one is reached and request they report to EOF as Recovery Manager.

3.6.2.2 General Manager of Nuclear Production
Robert Mecredy
Business- 71-8069
Home - 9-716-381-6431
Pager - 9-716-921-5514

3.6.2.3 Gary Meier
Business- 9-716-546-2700 ext. 21-222
Home - 9-315-589-6691

3.6.2.4 Bruce Snow
Business- 71-8058
Home - 9-716-671-5912
Page - 9-716-921-5510

3.6.2.5 Paul Wilkens
Business- 71-8076
Home - 9-716-248-2385

3.7 USNRC Resident Inspector

3.7.1 Charles Marschall 9-315-592-4749

3.7.2 Neil Perry 9-315-331-6101

3.8 Report information to New York State, Wayne County and Monroe County within 15 minutes of declaring the event. Refer to SC-701 for report and phone contact.

3.9 Notify Security (ext. 258 or page) to activate Security Personnel Action During A Radiation Emergency.

3.10 Report information to USNRC within 1 hour using O-9.3.

3.11 Notify Power Control that Ginna has an emergency and to implement procedure to increase reliability of power supply to Ginna.

3.12 Contact personnel at special locations as known by Shift Supervisor or Control Room personnel and request they report to Ginna Station for an emergency.

3.13 Report "We have a General Emergency at Ginna Station based on _____" to the following:
(initiating condition)

3.13.1 Contact Westinghouse at 9-412-374-3390 or using phone numbers in SC-606 to activate their Emergency Response Plan.

3.13.2 Contact INPO at 9-404-953-0904 or using phone number in SC-606 to activate their Emergency Response Plan.

3.14 If requested by Emergency Coordinator request radiological assistance from RAP team, Brookhaven 9-516-282-2200.

3.15 Notify Radiation Management Consultants of General Emergency Condition using phone numbers in SC-606.

3.16 Notify Plant Doctors of General Emergency condition and any medical problems at 9-524-2881 or using phone numbers in SC-606.

Dr. Loomis

Dr. Daniel Koretz

Dr. Neal Smith

3.17 Review that all personnel on this list have been contacted and when Gas Dispatcher and Telephone Service report back which personnel have not been contacted continue to try reaching them. Make Shift Supervisor aware of any incomplete calls.

ROCHESTER GAS AND ELECTRIC CORPORATION

GINNA STATION

CONTROLLED COPY NUMBER 23

PROCEDURE NO. SC-605 REV. NO. 19

SITE CONTINGENCY CALL LIST

TECHNICAL REVIEW

PORC REVIEW DATE 12-20-89

Joseph A. Widay
PLANT SUPERINTENDENT

1-12-90
EFFECTIVE DATE

QA X NON-QA _____ CATEGORY 1.0

REVIEWED BY: _____

THIS PROCEDURE CONTAINS 10 PAGES

CONTROLLED COPY
DATE:
TIME:

SC-605

SITE CONTINGENCY CALL LIST

1.0 PURPOSE:

1.1 Provide a notification list to activate the Emergency Response Organization.

2.0 REFERENCES:

2.1 Nuclear Emergency Response Plan

2.4 SC-322

3.0 INSTRUCTIONS:

3.1 The call list shall be divided.

Attachment A will be performed under emergency situations by the Gas Dispatcher.

Attachment B will be performed under emergecny situations by Telephone Service.

3.1.1 Each call will be to contact an individual and request they "Report to Ginna Station for a SC Response".

3.1.2 If individual is not at home leave a message to have individual call you immediately at (your phone number).

USE OF ATTACHMENT A

TSC ENGINEERING SUPPORT

1. The Gas Dispatcher shall initiate the Site Contingency Call List Attachment A for TSC engineering support when requested by the Ginna Control Room personnel. They will request, begin the Ginna Site Contingency Call List SC-605.

2. Each individual when called shall be told "THERE IS AN EMERGENCY SITUATION AT GINNA, PLEASE REPORT."

3. If the individual is not at home, leave a message to have the individual contacted and call you at your number.

4. The call list contains six functions which must be filled first

   a. Emergency Coordinator
   b. Technical Assessment
   c. Operations Assessment
   d. Maintenance Assessment
   e. TSC Communicator
   f. Survey Center Manager

5. Call down the list and mark an X in the function box for individuals answering call. Also include the estimated time of arrival in the box. When calls have filled all six functions, call the remaining names and place X in any individuals function box.

6. If you reach the pager box before filling the function, call the pager and request the individual call you at _____.

7. If the six functions on the call list are not filled when you complete the list, repeat calls to missing functions.

8. When you have filled the functions and completed the list notify the Ginna Control Room ext. 235 you have filled the functions and contacted _____ individuals.

9. <u>For Tests Only</u> use both the SC-605 forms and the ESP 25/5 forms in Appendix A to ensure adequate documentation of the test results.

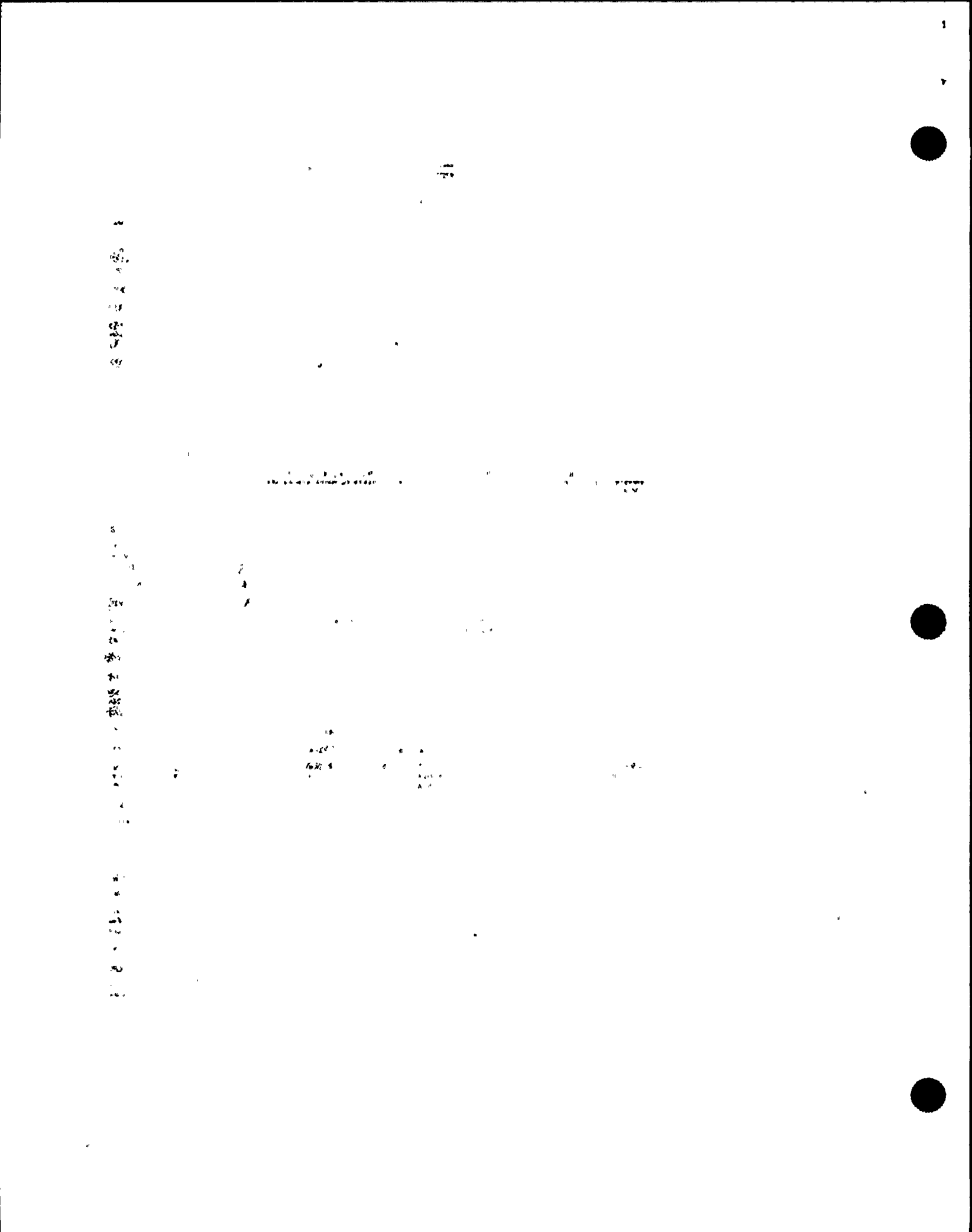
10. Upon completion of all spaces on all forms, forward the <u>original</u> documents to the Corporate Nuclear Emergency Planner, 49/5.

ATTACHMENT A
TECHNICAL SUPPORT CENTER CALL LIST
"THERE IS AN EMERGENCY SITUATION AT GINNA, PLEASE REPORT"

	TSC DIRECTOR	TECHNICAL ASSESSMENT	OPERATION ASSESSMENT	MAINTENANCE ASSESSMENT	SURVEY CENTER MGR.	TSC COMMUNICATOR
Terry Schuler					**********	**********
Home 671-3643					**********	**********
					**********	**********
					**********	**********
Joe Widay					**********	**********
Home 586-2679					**********	**********
					**********	**********
					**********	**********
Tom Marlow					**********	**********
Home 223-3740					**********	**********
					**********	**********
					**********	**********
Jack St. Martin					**********	**********
Home 586-5676					**********	**********
					**********	**********
					**********	**********
Dick Marchionda					**********	**********
Home (315) 926-5578					**********	**********
					**********	**********
					**********	**********
IF NOT REACHED CALL	**********	**********	**********	**********	**********	**********
PAGER	**********	**********	**********	**********	**********	**********
921-5507	**********	**********	**********	**********	**********	**********
	**********	**********	**********	**********	**********	**********
Steve Adams	**********				**********	**********
Home 671-0845	**********				**********	**********
	**********				**********	**********
	**********				**********	**********
Tom Harding	**********				**********	
Home 671-8756	**********				**********	
	**********				**********	
	**********				**********	

ATTACHMENT A (CONT'D)
TECHNICAL SUPPORT CENTER CALL LIST
"THERE IS AN EMERGENCY SITUATION AT GINNA, PLEASE REPORT"

	TSC DIRECTOR	TECHNICAL ASSESSMENT	OPERATION ASSESSMENT	MAINTENANCE ASSESSMENT	SURVEY CENTER MGR.	TSC COMMUNICATOR
Jeff Wayland	**********			**********	**********	
Home 524-2899	**********			**********	**********	
	**********			**********	**********	
	**********			**********	**********	
Mike Smith	**********				**********	
Home 482-3013	**********				**********	
	**********				**********	
	**********				**********	
	******* IF NOT REACHED		**********	**********	**********	**********
	******* CALL PAGER		**********	**********	**********	**********
	******* 921-5508		**********	**********	**********	**********
	*******		**********	**********	**********	**********
Larry Smith	**********	**********		**********	**********	
Home 524-9351	**********	**********		**********	**********	
	**********	**********		**********	**********	
	**********	**********		**********	**********	
Tom Alexander	**********			**********	**********	
Home 524-8084	**********			**********	**********	
	**********			**********	**********	
	**********			**********	**********	
Paul Gorski	**********			**********	**********	
Home (315) 589-8748	**********			**********	**********	
	**********			**********	**********	
	**********			**********	**********	
Bob Carroll	**********			**********	**********	
Home 986-3406	**********			**********	**********	
	**********			**********	**********	
	**********			**********	**********	
	**********	******* IF NOT REACHED		**********	**********	**********
	**********	******* CALL PAGER		**********	**********	**********
	**********	******* 921-8278		**********	**********	**********
	**********	*******		**********	**********	**********



ATTACHMENT A (CONT'D)
TECHNICAL SUPPORT CENTER CALL LIST
"THERE IS AN EMERGENCY SITUATION AT GINNA, PLEASE REPORT"

	TSC DIRECTOR	TECHNICAL ASSESSMENT	OPERATION ASSESSMENT	MAINTENANCE ASSESSMENT	SURVEY CENTER MGR.	TSC COMMUNICATOR
Lou Boutwell	**********	**********	**********		**********	**********
Home 524-8764	**********	**********	**********		**********	**********
	**********	**********	**********		**********	**********
	**********	**********	**********		**********	**********
Clair Edgar	**********	**********	**********		**********	**********
Home 377-3386	**********	**********	**********		**********	**********
	**********	**********	**********		**********	**********
	**********	**********	**********		**********	**********
Gerry Wahl	**********	**********	**********		**********	**********
Home 872-5567	**********	**********	**********		**********	**********
	**********	**********	**********		**********	**********
	**********	**********	**********		**********	**********
Gene Eng	**********				**********	
Home 671-3441	**********				**********	
	**********				**********	
	**********				**********	
	**********	**********	*******	IF NOT REACHED	**********	**********
	**********	**********	*******	CALL PAGER	**********	**********
	**********	**********	*******	921-8366	**********	**********
	**********	**********	*******		**********	**********
Dave Bryant	**********	**********	**********	**********		**********
Home 671-8102	**********	**********	**********	**********		**********
	**********	**********	**********	**********		**********
	**********	**********	**********	**********		**********
Yvonne Selbig	**********	**********	**********	**********		**********
Home 986-2752	**********	**********	**********	**********		**********
	**********	**********	**********	**********		**********
	**********	**********	**********	**********		**********
Jeff Germain	**********	**********	**********	**********		**********
Home (315) 589-8487	**********	**********	**********	**********		**********
	**********	**********	**********	**********		**********
	**********	**********	**********	**********		**********
Dick Biedenbach	**********	**********	**********	**********		
Home 654-9291	**********	**********	**********	**********		
	**********	**********	**********	**********		
	**********	**********	**********	**********		
Kathy Hart	**********	**********	**********	**********		**********
Home 483-8141	**********	**********	**********	**********		**********
	**********	**********	**********	**********		**********
	**********	**********	**********	**********		**********

ATTACHMENT A (CONT'D)
TECHNICAL SUPPORT CENTER CALL LIST

"THERE IS AN EMERGENCY SITUATION AT GINNA, PLEASE REPORT"

	TSC DIRECTOR	TECHNICAL ASSESSMENT	OPERATION ASSESSMENT	MAINTENANCE ASSESSMENT	SURVEY CENTER MGR.	TSC COMMUNICATOR
Barb Butler	**********	**********	**********	**********		
Home 342-8184	**********	**********	**********	**********		
	**********	**********	**********	**********		
	**********	**********	**********	**********		
	**********	**********	**********	********	IF NOT REACHED	**********
	**********	**********	**********	********	CALL PAGER	**********
	**********	**********	**********	********	77-0353	**********
	**********	**********	**********	********		**********
Bob Bryan	**********	**********	**********	**********	**********	
Home 265-1146	**********	**********	**********	**********	**********	
	**********	**********	**********	**********	**********	
	**********	**********	**********	**********	**********	
Charlie Ricch	**********		**********	**********	**********	
Home 924-3155	**********		**********	**********	**********	
	**********		**********	**********	**********	
	**********		**********	**********	**********	
John Walden	**********	**********	**********	**********	**********	
Home 524-8536	**********	**********	**********	**********	**********	
	**********	**********	**********	**********	**********	
	**********	**********	**********	**********	**********	
Frank Maciuska	**********			**********	**********	
Home 986-3839	**********			**********	**********	
	**********			**********	**********	
	**********			**********	**********	
Rudy Forgensi	**********	**********	**********	**********	**********	
Home 872-1309	**********	**********	**********	**********	**********	
	**********	**********	**********	**********	**********	
	**********	**********	**********	**********	**********	
	**********	**********	**********	**********	*********	IF NOT REACHED
	**********	**********	**********	**********	*********	CALL PAGER
	**********	**********	**********	**********	********	921-5509
	**********	**********	**********	**********	**********	

USE OF ATTACHMENT B

HEALTH PHYSICS SECTION CALL LIST

1. The Telephone Service Operator shall initiate the Site Contingency Call List for Health Physics Section when requested by the Ginna Control Room personnel. They will request begin the Ginna Site Contingency Call List SC-605.

2. Each individual when called shall be told "THERE IS AN EMERGENCY SITUATION AT GINNA, PLEASE REPORT".

3. If the individual is not at home leave a message to have the individual contacted and call you at your number.

4. The call list contains four functions which must be filled first.

   a. Dose Assessment
   b. Health Physics/Chemistry
   c. HP Tech 1
   d. HP Tech 2

5. Call down the list and make an X in the function box for individuals answering call. Also include the estimated time of arrival in the box. When calls have filled all four functions call the remaining names and place X in any individuals function box.

6. If you reach the pager box before filling the function, call the pager number and request the individual call you at _____.

7. If the four functions on the call list are not filled when you complete the list repeat calls to missing functions.

8. When you have filled the functions and completed the list notify the Ginna Control Room ext. 235 you have filled the functions and contacted _____ individuals.

9. <u>For Test Only</u> use both the SC-605 forms and the ESP 25/5 forms in Appendix B to ensure adequate documentation of the test results.

10. Upon completion of all spaces on all forms forward the <u>original</u> documents to the Corporate Nuclear Emergency Planner, 49/5.

ATTACHMENT B

HEALTH PHYSICS SECTION CALL LIST

"THERE IS AN EMERGENCY SITUATION AT GINNA, PLEASE REPORT"

	DOSE ASSESSMENT	HP/ CHEMISTRY	HP TECH 1	HP TECH 2
Duane Filkins 654-7359			********** ********** ********** **********	********** ********** ********** **********
Fred Mis 671-9111			********** ********** ********** **********	********** ********** ********** **********
Steve Warren 872-5127			********** ********** ********** **********	********** ********** ********** **********
Don Filion 265-9728			********** ********** ********** **********	********** ********** ********** **********
Bernie Quinn 524-5201			********** ********** ********** **********	********** ********** ********** **********
Nelson Kiedrowski 524-2894			********** ********** ********** **********	********** ********** ********** **********
Jim Supina 227-5239			********** ********** ********** **********	********** ********** ********** **********
Al Herman 544-1942			********** ********** ********** **********	********** ********** ********** **********
Bill Goodman 544-4101	********** ********** ********** **********			
	Dose Ass. Pager 921-5525	HP/Chem Pager 921-8360	********** ********** ********** **********	********** ********** ********** **********
Jim Bement 396-1712	********** ********** ********** **********	********** ********** ********** **********		

ATTACHMENT B

HEALTH PHYSICS SECTION CALL LIST

"THERE IS AN EMERGENCY SITUATION AT GINNA, PLEASE REPORT"

	DOSE ASSESSMENT	HP/ CHEMISTRY	HP TECH 1	HP TECH 2
Gerry Brown 265-3285	**********	**********		
	**********	**********		
	**********	**********		
Rodney Gasper (315) 589-8584	**********	**********		
	**********	**********		
	**********	**********		
Ken Gould 872-0226	**********	**********		
	**********	**********		
	**********	**********		
Mike Harrison 671-3079	**********	**********		
	**********	**********		
	**********	**********		
Bob Kenyon (315) 483-6512	**********	**********		
	**********	**********		
	**********	**********		
Mike Klueber (315) 589-8184	**********	**********		
	**********	**********		
	**********	**********		
Lou Lyons (315) 524-9648	**********	**********		
	**********	**********		
	**********	**********		
Pete Polfleit (315) 594-9433	**********	**********		
	**********	**********		
	**********	**********		
Frank Puddu 467-5700	**********	**********		
	**********	**********		
	**********	**********		
Dan Kotarski 671-9295	**********	**********		
	**********	**********		
	**********	**********		
John Raike 381-7665	**********	**********		
	**********	**********		
	**********	**********		

OFF HOURS CALL IN TEST

ESP 25/5

CALLER: ______________________ DEPT.: ______________________

TEST MESSAGE:

"THIS IS ______________________ AT RG&E.

IS THIS THE ______________________ RESIDENCE?

MAY I SPEAK TO ______________________ ?

THIS IS A TEST OF THE GINNA SITE CONTINGENCY CALL LIST RESPONSE AND WE ARE IMPLEMENTING THE PROCEDURE. I REPEAT THIS IS A TEST AND THERE IS NO NEED TO REPORT TO THE PLANT OR EMERGENCY STATION." IF YOU ARE RESPONSIBLE FOR CALLING OTHER PERSONS PLEASE BEGIN DOING SO IMMEDIATELY. THIS IS A TEST.

CALL ONLY RG&E PEOPLE

IF THE INDIVIDUAL DOES NOT ANSWER THE PHONE, ASK FOR THAT PERSON, THEN MAKE THE PROPER ENTRY BELOW.

NAME	TIME CALLED	BUSY		NO ANSWER	PERSON HOME		CAN BE REACHED		TIME CALL RETURNED	ETA
		1.	2.		YES	NO	YES	NO		

ROCHESTER GAS AND ELECTRIC CORPORATION

GINNA STATION

CONTROLLED COPY NUMBER 23

PROCEDURE NO. SC-606 REV. NO. 27

SPECIALIZED NOTIFICATION LIST

TECHNICAL REVIEW

PORC REVIEW DATE 7-20-89

Joseph A. Widay
PLANT SUPERINTENDENT

8-4-89
EFFECTIVE DATE

QA X NON-QA _____ CATEGORY 1.0

REVIEWED BY: _____

THIS PROCEDURE CONTAINS 6 PAGES

GINNA STATION
UNIT #1
COMPLETED

DATE:-

TIME:-

SC-606

SPECIALIZED NOTIFICATION LIST

1.0 PURPOSE:

1.1 To provide the Emergency Coordinator with a listing of names and phone numbers of personnel and facilities that may be required for special assignments during a Radiation Emergency.

2.0 REFERENCES:

2.1 NONE

3.0 INSTRUCTIONS:

3.1 As directed by the Emergency Coordinator, the following personnel/facilities may be called for special assistance. This list should be reviewed annually as part of the Radiation Emergency Drill.

3.1.1 Medical

3.1.1.1	Dr. Norman R. Loomis		9 524-2881
		HOME	9 524-6501
3.1.1.2	Dr. Daniel Koretz		9 524-2881
		HOME	9 524-7430
3.1.1.3	Dr. Neal Smith		9 524-2881
		HOME	9 524-5360
3.1.1.4	Ontario Volunteer Ambulance		9 524-3000
3.1.1.5	Wayne County Emergency Dispatcher		9 946-5304
3.1.1.6	Rochester General Hospital, Emergency Dept. Triage Nurse		9 716 338-2300
3.1.1.7	Rochester General Hospital Main Switchboard		9 716 338-4000

3.1.1.8 RG&E Medical Services

Office	Alternate Office	Answering Service
71-8713	(716) 342-0140	(716) 266-3800

3.1.1.8.1	Dr. Robert W. George		
3.1.1.8.2	Dr. T.K. Oates		
3.1.1.8.3	Dr. Alexander Kurchin		
3.1.2	Police		
3.1.2.1	New York State Police Warning Point		9 518 457-2200 or 9 518 457-6811
3.1.2.2	Canandaigua State Police		9 716 398-3200
3.1.2.3	Williamson State Police		9 800 962-0810
3.1.2.4	Wayne County Sheriff		9 315 946-9711
3.1.2.5	Monroe County Sheriff		9 716 428-5511
3.1.3	Fire		
3.1.3.1	Ontario Volunteer Fire Department		9 524-2592
3.1.4	Westinghouse Emergency Response Organization		
	Notify one Westinghouse contact using list in order shown. Provide available facts to individual and provide updates.		
3.1.4.1	Steve Swigart Operating Plant Project/Area Manager		9 412 374-3390
		HOME	9 412 668-7113
3.1.4.2	George Dillon Power Systems Service		9 412 374-3340
	Response Manager	HOME	9 412 327-6241
3.1.4.3	Jim Craig		9 412 374-6770
		HOME	9 412 325-1530
3.1.4.4	Bill Johnson Emergency Response Director		9 412 374-4868
		HOME	9 412 733-1643
3.1.4.5	Ron Lehr Emergency Response Deputy		9 412 722-5867
	Director	HOME	9 412 373-1699
3.1.4.6	Mae Damerow		9 412 374-4328
	Power Systems Emergency	HOME	9 412 327-2621
	News Communications		

3.1.5 Other

3.1.5.1	Ontario Town Supervisor, R. Mogray	OFFICE	9 524-7105
		HOME	9 524-9380
	Ontario Water Department	DAYS	9 524-2941
	J. Haywood		9 524-8263
		(NIGHTS, SUNDAYS & HOLIDAYS)	
3.1.5.2	Plant Protection Department Kodak Park		9 716 722-2122
3.1.5.3	Wayne County Emergency Operations Center		9 946-5663
3.1.5.4	Director Wayne County Office Disaster Preparedness - Thelma Wideman	HOME	9 597-6291
3.1.5.5	Monroe County Office of Emergency Preparedness		9 716 473-0710
	(NIGHTS, WEEKENDS & HOLIDAYS)		9 716 428-7200
3.1.5.6	Director, Monroe County Office of Emergency Preparedness Interim - S. Macaluso		
		HOME	9 716 288-9196
		PAGER	9 716 428-5141 ask for pager 861
3.1.5.7	University of Rochester Advance RAP Team David Maillie		9 716 275-3788
		HOME	9 716 334-2428
	R. Wilson		9 716 275-3241
		HOME	9 716 586-0193
3.1.5.8	National Weather Service (Rochester)		9 716 328-7633
			9 716 263-6808
		(Buffalo)	9 716 632-2223
3.1.5.9	Radiation Management Consultants		9 215 537-0672
			9 215 243-2990
			9 215 841-5141
3.1.5.10	Helgeson Nuclear Services, Inc.		9 415 846-3453

3.1.5.11	Mr. Frank Schwoerer (NSARB) Nuclear Projects, Inc.	 HOME	9 301 349-5001 9 202 656-8349
3.1.5.12	John Gallagher (NSARB)	 HOME	9 412 733-6510 9 412 343-0968
3.1.5.13	Mr. Leon D. White, Jr. (NSARB)	HOME	9 716 865-8646
3.1.5.14	Institute of Nuclear Power Operations		9 404 953-0904 9 404 953-0922
3.1.5.15	American Nuclear Insurers		9 203 677-7305
3.1.5.16	Westinghouse NUMANCO, INC.		9 800 556-7572
3.1.5.17	Head, Plans & Operations Emergency Planning Ontario Canada F.B. Ali	OFFICE HOME	(416) 965-6708 (416) 979-3027
	Off hours alternate:		
	Ontario Canada Provincial Police		(416) 965-5751

3.1.6 Company Personnel

3.1.6.1	Allen, Jim	Home	(716) 247-2950
3.1.6.2	Anderson, Charles QA Coordinator	 Home	71-8119 (716) 265-0987
3.1.6.3	Arthur, John Vice President, Technical Projects	 Home	71-8117 (716) 889-1512
3.1.6.4	Burke, David Corp. Nuclear Emergency Planner	 Home	71-8022 (716) 334-4744
3.1.6.5	Burton, Robert Dept. Manager, Research & Science	 Home	71-8397 (716) 265-2167
3.1.6.6	Grillo, Frank	Home	(716) 334-3776
3.1.6.7	Harhay, Andrew Manager, Chemistry Services	Ginna ext. Home	340 (716) 248-5106

3.1.6.8	Kober, Roger President Chief Operating Officer	71-8714 Home (716) 872-5296 Summer (716) 394-2587
3.1.6.9	Lappan, George Manager of Public Affairs	71-8812 Home (716) 377-9024
3.1.6.10	McCoy, Will Dept. Manager, Quality Performance	71-8122 Home (716) 248-2154
3.1.6.11	Mecredy, Robert General Manager Nuclear Production	71-8069 Home (716) 381-6430
3.1.6.12	Quinn, Bernard Corporate Health Physicist	71-8146 Home (315) 524-5201
3.1.6.13	Saddock, Harry Chairman of the Board Cief Executive Officer	71-4980 Home (716) 467-5587
3.1.6.14	Smith, Robert Vice President Production and Engineering	71-8074 Home (716) 872-3499
3.1.6.15	Snow, Bruce Chief Engineer	71-8058 Home (716) 671-5912
3.1.6.16	Watts, Richard Director, Corp. Radiation Prot.	71-4165 Home (716) 425-2644 Pager (716) 921-5513
3.1.6.17	Wilkens, Paul Director Nuclear Engineering Service	71-8076 Home (716) 248-2385
3.1.7	<u>Nuclear Regulatory Commission</u>	
3.1.7.1	Nuclear Regulatory Commission Region I King of Prussia, Pa.	9 215 337-5000
3.1.7.2	Radiation Assistance Program Dept. of Energy Brookhaven National Lab	9 516 282-2200
3.1.7.3	Commercial Telephone System to NRC Operations Center (via Bethesda Central Office.)	9 301 951-0550

3.1.7.4	Commercial Telephone System to NRC Communications Center (via Silver Spring Central Office)	9 301 427-4056
3.1.7.5	Commercial Telephone System to NRC Operator (via Bethesda Central Office)	9 301 492-8893
3.1.8	<u>New York State</u>	
3.1.8.1	James Baranski	9 518 457-8909
3.1.8.2	Lake District SEMO	9 315 331-4880
3.1.8.3	Rochester Office State Health Department	9 716 262-2010
3.1.8.4	State EOC, Albany	9 518 454-3337
3.1.8.5	State EOC, Dose Assessment	9 518 454-3321 (Engineers) 9 518 454-2176 (Main Line)
3.1.9	<u>Federal Emergency Management Administration</u> Emergency Information Coordination Center	9 202 634-7800 9 202 646-2400