

GINNA STATION
UNIT #1
COMPLETED

DATE :-

TIME :-

ROCHESTER GAS AND ELECTRIC CORPORATION

GINNA STATION

CONTROLLED COPY NUMBER 23

PROCEDURE NO. SC-607

REV. NO. 3

STATION CALL LIST

TECHNICAL REVIEW

PORC REVIEW DATE 9-29-83

J. J. Jodine
QC REVIEW

Sm. Gupta
PLANT SUPERINTENDENT

OCT 5 1983

EFFECTIVE DATE

QA X NON-QA CATEGORY 1.0

REVIEWED BY:

THIS PROCEDURE CONTAINS 14 PAGES

8310270086 831020
PDR ADOCK 05000244
F PDR

SC-607

STATION CALL LIST

1.0 PURPOSE:

- 1.1 To provide the Emergency Coordinator with a list of phone numbers for station personnel.

2.0 REFERENCES:

- 2.1 Radiation Emergency Plan SC-1.

3.0 INSTRUCTIONS:

- 3.1 If additional assistance during a Radiation Emergency is required, refer to attached listing for phone number of station personnel.

SC-607:2

SC-607:3

SC-607:4

SC-607:6

SC-607:9

SC-607:10

SC-607:11

GINNA STATION
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ROCHESTER GAS AND ELECTRIC CORPORATION

GINNA STATION

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PROCEDURE NO. SC-606

REV. NO. 6

SPECIALIZED NOTIFICATION LIST

TECHNICAL REVIEW

PORC REVIEW DATE 9-8-83

[Signature]
QC REVIEW

[Signature]
PLANT SUPERINTENDENT

SEP 13 1983
EFFECTIVE DATE

QA NON-QA CATEGORY 1.0

REVIEWED BY:

THIS PROCEDURE CONTAINS 5 PAGES

SC-606SPECIALIZED NOTIFICATION LIST1.0 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 Radiation Emergency Plan, SC-1.

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

HOME

3.1.1.2

HOME

3.1.1.3 Ontario Volunteer Ambulance

3.1.1.4 Rochester General Hospital

3.1.1.5

3.1.1.6 Company Operator

3.1.2 Police

3.1.2.1 New York State Police Warning Point

or

3.1.2.2 Canandaigua State Police

3.1.2.3 Williamson State Police

3.1.2.4 Wayne County Sheriff

3.1.2.5 Monroe County Sheriff

3.1.3 Fire

3.1.3.1 Ontario Volunteer Fire Department

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 Site Services Manager HOME

3.1.4.2 Operating Plant Regional Manager HOME

3.1.4.3 HOME

3.1.4.4 Service Response Manager HOME

3.1.4.5 HOME

3.1.4.6 Emergency Response Director HOME

3.1.4.7 Emergency Response Deputy Director HOME

3.1.4.8 Emergency News Communications HOME

3.1.5 Other

3.1.5.1 Ontario Town Supervisor, OFFICE
HOME

Ontario Water Department DAYS

(NIGHTS, SUNDAYS & HOLIDAYS)

3.1.5.2 U.S. Coast Guard: Rochester
Buffalo

3.1.5.3 Plant Protection Department
Kodak Park

3.1.5.4	Wayne County Emergency Operations Center	
3.1.5.5	Director Wayne County Office Disaster Preparedness -	HOME WEEKENDS
3.1.5.6	Monroe County Office of Emergency Preparedness (NIGHTS. WEEKENDS & HOLIDAYS)	
3.1.5.7	Director, Monroe County Office of Emergency Preparedness -	HOME
3.1.5.8	University of Rochester Advance RAP Team	HOME
		HOME
3.1.5.9	National Weather Service (Rochester) (Buffalo)	
3.1.5.10	Radiation Management Corporation	
3.1.5.11	Helgeson Nuclear Services, Inc.	
3.1.5.12	ECO REASEARCH Consultant in Limnology and Oceanography	HOME
3.1.5.13	(NSARB) Nuclear Projects, Inc.	HOME
3.1.5.14	(NSARB)	
3.1.5.15	(NSARB)	HOME
3.1.5.16	(NSARB) Duquesne Light	HOME
3.1.5.17	Institute of Nuclear Power Operations	
3.1.5.18	Nuclear Energy Liability - Protection Insurance Association	
3.1.5.19	NUMANCO, INC.	

3.1.7.10	QA Coordinator	HOME
3.1.7.11	Chief Environmental Engineer	HOME
3.1.7.12	Supervisor, Power Plant Chemistry	HOME
3.1.8	<u>Nuclear Regulatory Commission</u>	
3.1.8.1	Nuclear Regulatory Commission Region I King of Prussia, Pa.	
3.1.8.2	Radiation Assistance Program Dept. of Energy BrookHaven National Lab	
3.1.8.3	Commercial Telephone System to NRC Operations Center (via Bethesda Central Office.)	
3.1.8.4	Commercial Telephone System to NRC Communications Center (via Silver Spring Central Office)	
3.1.8.5	Commercial Telephone System to NRC Operator (via Bethesda Central Office)	
3.1.9	<u>New York State</u>	
3.1.9.1		
3.1.9.2	Lake District ODP	
3.1.9.3	Rochester Office State Health Department	
3.1.10	<u>Federal Emergency Management Administration</u> <u>Emergency Information Coordination Center</u>	

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ROCHESTER GAS AND ELECTRIC CORPORATION

GINNA STATION

CONTROLLED COPY NUMBER 23

PROCEDURE NO. SC-600

REV. NO. 5

EMERGENCY PLAN QUALIFICATION AND NOTIFICATION

TECHNICAL REVIEW

PORC REVIEW DATE

9-29-83

J. L. Borden
QC REVIEW

Sam G. Carter
PLANT SUPERINTENDENT

OCT 5 1983

EFFECTIVE DATE

QA X NON-QA CATEGORY 1.0

REVIEWED BY:

THIS PROCEDURE CONTAINS 14 PAGES

SC-600EMERGENCY PLAN QUALIFICATION AND NOTIFICATION1.0 PURPOSE:

- 1.1 Provide a current list of Emergency Response Organization qualified individuals and a method of contacting them.

2.0 REFERENCES:

- 2.1 SC-200, Emergency Response Organization/Responsibilities.
- 2.2 A-103.8, Emergency Plan Training

3.0 INSTRUCTIONS:

- 3.1 Qualified individuals for each function can be found with home phone numbers on the noted attachments:

<u>Function</u>	<u>Attachments</u>
Emergency Coordinator	I
Dose Assessment Manager	
or Health Physics/Chemistry	I
Plant Assessment Manager	II
Plant Operations Assessment Manager	II
Plant Maintenance Assessment Manager	II
Plant Technical Assessment Manager	III
Nuclear Assessment	III
I/C Electrical System Assessment	III
Mechanical/Hydraulic System Assessment	III
Computer Analyst	III
Administrative Communications Manager	IV
Switchboard Operator	IV
Communicator	IV
Security Manager	IV
Emergency Survey Team	V
Emergency Survey Center Manager	VI
Control Room	VII
Operations Support Center	VIII

- 3.1.2 The qualified individual attachments shall be reviewed and updated semi-annually.
- 3.1.3 Individuals shall be removed from the attachment if they have not participated in Emergency Training during the previous eighteen months.
- 3.1.4 Individuals with * were evaluated in position.

ATTACHMENT I

EMERGENCY COORDINATOR

The below individuals through their job responsibilities and Technical Support Center Training, as described in Procedure A-103.8, are qualified as Emergency Coordinators.

Superintendent
Asst. Superintendent
Shift Supervisor
Shift Supervisor
Shift Supervisor
Shift Supervisor
Shift Supervisor
Shift Supervisor
Shift Supervisor
Shift Supervisor
Shift Supervisor
Shift Supervisor
Training Manager
Training Coordinator
Shift Supervisor

DOSE ASSESSMENT MANAGER/HEALTH PHYSICS/CHEMISTRY MANAGER

The below individuals through their job responsibilities and Technical Support Center Training, as described in procedure A-103.8, are qualified Dose Assessment Managers or Health Physics/Chemistry Manager.

Health Physics and
Chemistry Manager
Health Physicist
Health Physicist
Health Physicist
Radio Chemist

ATTACHMENT II

PLANT ASSESSMENT MANAGER

The below individuals through their job responsibilities and Technical Support Center Training, as described in Procedure A-103.8, are qualified as Plant Assessment Managers.

Technical Manager
Technical Projects Supervisor
Operations Manager

PLANT OPERATIONS ASSESSMENT MANAGER

The below individuals through their job responsibilities and Technical Support Center Training, as described in procedure A-103.8, are qualified as Plant Operations Assessment Managers.

Operations Manager
Operations Supervisor

PLANT MAINTENANCE ASSESSMENT MANAGER

The below individuals through their job responsibilities and Technical Support Center Training, as described in Procedure A-103.8, are qualified as Plant Maintenance Assessment Managers.

Maintenance Manager
Operational Assessment
Engineer
Shift Technical Advisor
for Maintenance

ATTACHMENT III

PLANT TECHNICAL ASSESSMENT MANAGER

The below individuals through their job responsibilities and Technical Support Center Training, as described in Procedure A-103.8, are qualified as Plant Technical Assessment Managers.

Technical Projects Supervisor
Nuclear Assessment Manager
Operational Assessment
Engineer

NUCLEAR ASSESSMENT

The below individuals through their job responsibilities and Technical Support Center Training, as described in procedure A-103.8, are qualified for Nuclear Assessment.

Reactor Engineer
Technical Manager

I/C ELECTRICAL SYSTEM ASSESSMENT

The below individuals through their job responsibilities and Technical Support Center Training, as described in procedure A-103.8, are qualified for I/C Electrical Assessment.

I/C Supervisor
Test & Results Supervisor

MECHANICAL/HYDRAULIC SYSTEM ASSESSMENT

The below individuals through their job responsibilities and Technical Support Center Training, as described in procedure A-103.8, are qualified for Mechanical/Hydraulic System Assessment.

Maintenance Supervisor
Asst. Training Coordinator
Fire Protection and Safety
Coordinator

ATTACHMENT III (con't)

COMPUTER ANALYST

The below individuals through their job responsibilities and Technical Support Center Training, as described in procedure A-103.8, are qualified Computer Analysts.

Computer Technician

Computer Technician

ATTACHMENT IV

ADMINISTRATIVE COMMUNICATIONS MANAGER

The below individuals through their job responsibilities and Technical Support Center Training, as described in procedure A-103.8, are qualified Administrative Communications Manager.

SWITCHBOARD OPERATORS

The below individuals through their job responsibilities are qualified Switch Board Operators.

Asst. Office Supervisor

COMMUNICATIONS

The below individuals through training as described in procedure A-103.8, are qualified Radio Operators.

SECURITY MANAGER

The below individuals through their job responsibilities and Technical Support Center Training, as described in procedure A-103.8, are qualified Security Managers.

Nuclear Security Manager
Supervisor on Nuclear
Security Training

ATTACHMENT V

EMERGENCY SURVEY TEAM

The below individuals through training as described in procedure A-103.8, are qualified as Emergency Survey Team members.

Health Physics Section

Maintenance Section

Operations Section

ATTACHMENT V (con't)

Technical Section

Training Section

Quality Control Section

ATTACHMENT VI

EMERGENCY SURVEY CENTER MANAGER

The below individuals through training as described in procedure A-103.8, are qualified as Emergency Survey Center Managers.

Training Section

Quality Control Section

ATTACHMENT VII

CONTROL ROOM

The below individuals through job responsibilities and training, as described in procedure A-103.8, are qualified for Control Room responsibilities during a Radiation Emergency.

Health Physics Section

Shift Technical Advisor

Operations Section

ATTACHMENT VII (con't)

CONTROL ROOM (con't)

Operations Section (con't)

Training Section

ATTACHMENT VIII

OPERATIONS SUPPORT CENTER

The below individuals through their job responsibilities and training, as described in procedure A-103.8, are qualified to perform the duties as a member of the Operations Support Center.

Health Physics Section

Maintenance Section

ATTACHMENT VIII (con't)

OPERATIONS SUPPORT CENTER (con't)

Maintenance Section (con't)

Operations Section

ATTACHMENT VIII (con't)

OPERATIONS SUPPORT CENTER (con't)

Training Section

Technical Section

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DATE :-

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ROCHESTER GAS AND ELECTRIC CORPORATION

GINNA STATION

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PROCEDURE NO. SC-421

REV. NO. 2

DETERMINATION OF IODINE OR PARTICULATE ACTIVITY

TECHNICAL REVIEW

PORC REVIEW DATE

9-14-83

A. M. Hewe
QC REVIEW

Sm. Specter
PLANT SUPERINTENDENT

SEP 19 1983

EFFECTIVE DATE

QA ✓ NON-QA CATEGORY 1.0

REVIEWED BY:

THIS PROCEDURE CONTAINS 6 PAGES

SC-421DETERMINATION OF IODINE OR PARTICULATE ACTIVITY1.0 PURPOSE:

- 1.1 The determination of the airborne iodine concentration so as to determine resultant thyroid dose is extremely important during the first 2 hours after a release. Therefore, the procedure consists of rapid sample collection and preliminary analysis of the particulate filters and iodine cartridges in the field.

2.0 REFERENCES:

- 2.1 Radiation Emergency Plan, SC-1
2.2 SC-323, Emergency Off-Site Radiation Survey Teams
2.3 SC-324, Emergency On-Site Radiation Survey Teams

3.0 INSTRUCTIONS:

- 3.1 The following equipment will be available.
3.1.1 Combination particulate filter and cartridge holders.
3.1.2 Glass fiber filters, 50 mm, Gelman Type A/E or equivalent.
3.1.3 Silver zeolite cartridge for iodine collection, Science Applications, Inc. Type GY-130 or equivalent.
3.1.4 Battery operated count rate meter, 0 - 50,000 cpm, audible alarm, rechargeable, Eberline model RM-14 or equivalent.
3.1.5 End window GM probe, alpha beta, gamma sensitive, Eberline model HP-190 or equivalent.
3.1.6 Off-site team air sampler, approximately 30 lpm flow rate using a glass fiber and silver zeolite cartridge, battery operated 12 volt, RADECO model H-809C or equivalent.
3.1.7 On-site team low volume air sampler, battery operated, volume totalizer, rechargeable, 5 lpm flow rate, Victoreen model 08-430 or equivalent.

- 3.1.8 Emergency Survey Center samplers, battery operated, rechargeable, time, approximately 30 lpm using a glass fiber filter and silver zeolite cartridge, RADECO model H-809 B2 or equivalent.
- 3.2 Off-Site Team Sampling:
- 3.2.1 Install glass fiber filter and silver zeolite cartridge in the filter holder for the H-809C sampler.
- 3.2.2 Screw filter holder into H-809C sampler.
- 3.2.3 Put on/off switch into "off" position.
- 3.2.4 Connect power cables to 12 volt battery, red clamp to positive terminal and black clamp to ground.
- 3.2.5 Turn on sampler and record start time and flow rate in lpm (in the field record book of survey sheet).
- 3.2.6 Allow sampler to run for approximately ten minutes, shut off sampler and record stop time.
- 3.2.7 Determine the liters of air sampled as follows:
- $$\text{_____ lpm} \times \text{_____ minutes sampled} = \text{_____ liters}$$
- 3.2.8 Determine the background reading in cpm using the RM-14 and HP-190 probe and record the reading. If background in the area is > 200 cpm, move to an area where the background is < 200 cpm.
- 3.2.9 Remove the particulate filter from the holder, place the HP-190 probe close to but not touching the filter, and record the reading.
- 3.2.10 Determine the particulate activity as follows:
- $$\frac{(\text{ }) \text{ cpm filter} - (\text{ }) \text{ cpm background}}{(\text{ }) \text{ liters}} \times 2.37 \times 10^{-8} = \text{___ uCi/cc}$$
- NOTE:** Minimum sensitivity for a 10 minute sample at 30 lpm, a 100 cpm net reading, and a probe efficiency of 1.9% is 7.9×10^{-9} uCi/cc.
- 3.2.11 Remove the silver zeolite cartridge from the holder, place the HP-190 probe against the inlet side of the cartridge and record the cpm reading. If the reading is off scale, determine the iodine activity per Step 3.2.13 instead of Step 3.2.12.

- 3.2.12 Determine the iodine activity as follows for probe against the inlet side of cartridge:

$$\frac{(\quad) \text{ cpm cartridge} - (\quad) \text{ cpm background}}{(\quad) \text{ liters}} \times 8.34 \times 10^{-8} = \text{uCi/cc}$$

NOTE: Minimum sensitivity for a 10 minute sample at 30 lpm, a 100 cpm net reading and a probe efficiency of 0.54% is 2.8×10^{-8} uCi/cc. This is equivalent to 0.08 Rem Thyroid (0-2 hour) and 0.8 Rem Thyroid (1 day).

NOTE: The possibility exists that the background may be too high to determine a reading from the cartridge. If this condition exists, move to a lower background area and re-survey the cartridge.

- 3.2.13 Determine the iodine activity as follows for the HP-190 probe one inch (one cartridge thickness) away from the inlet side of the cartridge.

$$\frac{(\quad) \text{ cpm cartridge} - (\quad) \text{ cpm background}}{(\quad) \text{ liters}} \times 2.37 \times 10^{-7} = \text{uCi/cc}$$

- 3.2.14 Convert Iodine 131 Concentration to thyroid dose by the following formulas and mark on map.

$$(\text{uCi/cc Iodine})(3 \times 10^6) = \text{Rem thyroid (0-2 hour)}$$

$$(\text{uCi/cc Iodine})(3 \times 10^7) = \text{Rem Thyroid (1 day)}$$

- 3.2.15 Place filter and cartridge in the envelope, record the required information on the envelope and save for lab analysis.

3.3 On-Site team sampling:

- 3.3.1 Install glass fiber filter and silver zeolite cartridge in the filter holder attached to the low volume sampler.
- 3.3.2 Record location of sample, initial volume totalizer reading and time of start.
- 3.3.3 Turn pump switch to ON. Sample may run throughout the area survey.
- 3.3.4 Record time of sampler stopping and volume totalizer reading.

- 3.3.5 Subtract initial totalizer reading from the final reading and multiply by the calibration factor on the sampler to obtain the cc's of air sampled.

$$\frac{\text{final totalizer} - \text{initial totalizer}}{\text{CF}} = \text{cc's sampled}$$

- 3.3.6 Determine the background reading in cpm using the RM-14 and HP-190 probe and record the reading. If the background in the area is > 200 cpm, move to an area where the background is < 200 cpm.

- 3.3.7 Remove the particulate filter from the holder, place the HP-190 probe close but not touching the filter and record the cpm reading.

- 3.3.8 Determine the particulate activity as follows:

$$\frac{(\text{) cpm filter} - (\text{) cpm background}}{(\text{) cc volume}} \times 2.4 \times 10^{-5} = \text{uCi/cc}$$

NOTE: Minimum sensitivity for a 30 minute sample at 5 lpm, a 50 cpm net reading, a probe efficiency of 1.9% is 8.0×10^{-9} uCi/cc.

- 3.3.9 Remove the silver zeolite cartridge from the holder, place the HP-190 probe against the inlet side of the cartridge and record the cpm reading.

- 3.3.10 Determine the iodine activity as follows:

$$\frac{(\text{) cpm cartridge} - (\text{) cpm background}}{(\text{) cc volume}} \times 8.34 \times 10^{-8} = \text{uCi/cc}$$

NOTE: Minimum sensitivity for a 30 minute sample at 5 lpm, a 50 cpm net reading and a probe efficiency of 0.54% is 2.8×10^{-8} uCi/cc.

NOTE: The possibility exists that the background may be too high to determine a reading from the cartridge. If this condition exists, move to a lower background area and re-survey the cartridge.

- 3.3.11 Place the filter and cartridge on the envelope, record the required information on the envelope and save for lab analysis.

3.4 Emergency Survey Center and Technical Support Center Sampling:

- 3.4.1 Install glass fiber filter and silver zeolite cartridge in the filter holder for the H-809 B2 sampler.

- 3.4.2 Screw filter holder into H-809 B2 sampler.
- 3.4.3 Move sampler to desired location.
- 3.4.4 Set timer to 10 minutes.
- 3.4.5 Start sampler and record time and flow rate in lpm. The sampler will automatically shut off in 10 minutes.
- 3.4.6 Determine the liters of air sampled as follows:

$$\underline{\hspace{2cm}} \text{ lpm} \times 10 \text{ minutes sampled} = \underline{\hspace{2cm}} \text{ liters}$$

- 3.4.7 Determine the background reading in cpm using the RM-14 and HP-190 probe and record the reading. If the background in the area is > 200 cpm, move to an area where the background is < 200 cpm.
- 3.4.8 Remove the particulate filter from the holder, place the HP-190 probe close to but not touching the filter and record the cpm reading.
- 3.4.9 Determine the particulate activity as follows:

$$\frac{(\quad) \text{ cpm filter} - (\quad) \text{ cpm background}}{(\quad) \text{ liters}} \times 2.37 \times 10^{-8} = \text{uCi/cc}$$

NOTE: Minimum sensitivity for a 10 minute sample at 30 lpm a 100 cpm net reading, and a probe efficiency of 1.9% is 7.9×10^{-9} uCi/cc.

- 3.4.10 Remove the silver zeolite cartridge from the holder, place the HP-190 probe against the inlet side of the cartridge and record the cpm reading. If the reading is off-scale, determine the iodine activity per 3.4.12 instead of Step 3.4.11.
- 3.4.11 Determine the iodine activity as follows for probe against the cartridge:

$$\frac{(\quad) \text{ cpm cartridge} - (\quad) \text{ cpm background}}{(\quad) \text{ liters}} \times 8.34 \times 10^{-8} = \text{uCi/cc}$$

NOTE: Minimum sensitivity for a 10 minute sample at 30 lpm a 100 cpm net reading and a probe efficiency of 0.54% is 2.8×10^{-9} uCi/cc. This is equivalent to 0.08 Rem thyroid (0-2 hour) and 0.8 Rem Thyroid (1 day).

NOTE: The possibility exists that the background may be too high to determine a reading from the cartridge. If this condition exists, move to a lower background area and re-survey the cartridge.

- 3.4.12 Determine the iodine activity as follows for the HP-190 probe one inch (one cartridge thickness) away from the inlet side of the cartridge.

$$\frac{(\quad) \text{ cpm cartridge} - (\quad) \text{ cpm background}}{(\quad) \text{ liters}} \times 2.37 \times 10^{-7} = \text{uCi/cc}$$

- 3.4.13 Place the filter and cartridge in an envelope marked with the time of sample, cubic feet sampled, and location and save for lab analysis.

- 3.5 For more accurate results, analysis may be performed in the plant environmental lab with the GeLi and multichannel analyzer per PC-1.4.

GINNA STATION
UNIT #1
COMPLETED

DATE :-

TIME :-

ROCHESTER GAS AND ELECTRIC CORPORATION

GINNA STATION

CONTROLLED COPY NUMBER 23

PROCEDURE NO. SC-312

REV. NO. 2

MANNING THE OPERATION SUPPORT CENTER

TECHNICAL REVIEW

PORC REVIEW DATE 9-29-83

J. J. Brodini
QC REVIEW

Gm Specter
PLANT SUPERINTENDENT

OCT 5 1983

EFFECTIVE DATE

QA X NON-QA CATEGORY 1.0

REVIEWED BY:

THIS PROCEDURE CONTAINS 4 PAGES

SC-312MANNING THE OPERATIONAL SUPPORT CENTER1.0 PURPOSE:

- 1.1 The purpose of this procedure is to provide guidance for personnel who will staff the Operational Support Center (OSC). These personnel will assist the TSC and Control Room with emergency functions as requested.

2.0 REFERENCES:

- 2.1 SC-1 Radiation Emergency Plan
- 2.2 SC-200 Emergency Response Organization/Responsibilities
- 2.3 SC-230 Immediate Entry
- 2.4 SC-233 Search and Rescue

3.0 INSTRUCTIONS:

- 3.1 The Auxiliary Operators Office is designated as the Operations Support Center. TSC computer office may be used as an alternate OSC.
- 3.2 During normal working hours (or if on site) the following persons will report directly to the OSC upon announcement of an Alert level or greater.
1. Pipefitter Foreman
 2. Machinist Foreman
 3. I & C Foreman
 4. Electrician Foreman
 5. Maintenance Foreman
 6. Health Physics Foreman
- 3.2.1 Additional Personnel as requested will be obtained from the shops or Emergency Survey Center.

- 3.3 Personnel at the Training Center Auditorium will be under the direction of the Survey Center Manager until they have been specifically assigned to the OSC or another designated function.
- 3.3.1 Personnel assigned to the OSC will be under the direction of the Plant Maintenance Assessment Manager.
- 3.4 Upon arrival at OSC:
- 3.4.1 Assure your name is posted on TSC magnetic organization chart.
- 3.4.2 Sign out a dosimeter.
- 3.4.3 Perform responsibilities as described in SC-200.
- 3.4.4 Health Physics Foreman or designee will check radiation levels and airborne activity in OSC. Report results to the Plant Maintenance Assessment Manager with recommendations. Relocate to TSC computer office if radiation levels are greater than 50 mr/hr. or airborne radioactivity is greater than occupational limits.
- 3.5 During off duty hours individuals will be called to report to Ginna Station.
- 3.5.1 They may be directed to report to the OSC using normal entrance procedure, or they may be directed to the Emergency Survey Center where they shall:
 - 3.5.1.1 Obtain a film badge and dosimeter.
 - 3.5.1.2 Obtain appropriate tag from survey center tag board and log name under tag.
 - 3.5.1.3 Follow instructions on tag.
 - 3.5.1.4 Refer to SC-230 Immediate Entry for additional guidance.
- 3.6 Tag assignments found in Attachment I.

ATTACHMENT I

TAG BOARD ASSIGNMENTS

Pipefitter Foreman

Proceed to O.S.C.

Use protective guidance
of Health Physicist at
T.S.C. or actions on
reverse side

Report to Plant Maintenance
Assessment Manager.

REVERSE SIDE

Obtain and Use

Film Badge
Dosimeter
Dose Rate Meter
Protective Clothing
Full Face Mask with Filter

Machinist Foreman

Proceed to O.S.C.

Use protective guidance of
Health Physicist at T.S.C.
or actions on reverse side.

Report to Plant Maintenance
Assessment Manager.

REVERSE SIDE

Obtain and Use

Film Badge
Dosimeter
Dose Rate Meter
Protective Clothing
Full Face Mask with Filter

Instrument and Control Foreman

Proceed to O.S.C.

Use protective guidance of
Health Physicist at T.S.C.
or actions on reverse side.

Report to Plant Maintenance
Assessment Manager.

REVERSE SIDE

Obtain and Use

Film Badge
Dosimeter
Dose Rate Meter
Protective Clothing
Full Face Mask with Filter

ATTACHMENT I (con't)
TAG BOARD ASSIGNMENTS

Electrical Foreman

Proceed to O.S.C.

Use protective guidance of
Health Physicist at T.S.C.
or actions on reverse side

Report to Plant Maintenance
Assessment Manager

REVERSE SIDE

Obtain and Use

Film Badge
Dosimeter
Dose Rate Meter
Protective Clothing
Full Face Mask with Filter

Maintenance Foreman

Proceed to O.S.C.

Use protective guidance
Of Health Physicist at
T.S.C. or actions on
reverse side.

Report to Plant Maintenance
Assessment Manager.

REVERSE SIDE

Obtain and Use

Film Badge
Dosimeter
Dose Rate Meter
Protective Clothing
Full Face Mask with Filter

Health Physics Foreman

Proceed to O.S.C.

Use protective guidance of
Health Physicist at T.S.C.
or actions on reverse side

Report to Plant Maintenance
Assessment Manager

REVERSE SIDE

Obtain and Use

Film Badge
Dosimeter
Dose Rate Meter
Protective Clothing
Full Face Mask with Filter

GINNA STATION
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DATE :-

TIME :-

ROCHESTER GAS AND ELECTRIC CORPORATION

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REV. NO. 3

SEARCH AND RESCUE OPERATION

TECHNICAL REVIEW

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9-14-83

J. B. Blum
QC REVIEW

Sm. Spector
PLANT SUPERINTENDENT

SEP 19 1983

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QA X NON-QA CATEGORY 1.0

REVIEWED BY:

THIS PROCEDURE CONTAINS 3 PAGES

SC-233SEARCH AND RESCUE OPERATION1.0 PURPOSE:

- 1.1 Provide a method for a search and rescue operation.

2.0 REFERENCES:

- 2.1 SC-213 Accountability of Personnel
2.2 SC-230 Immediate Entry Procedure
2.3 A-7 Procedure for handling illness or injury at Ginna Station
2.4 HP-6.3, Personnel Decontamination

3.0 INSTRUCTIONS:

- 3.1 The Security Manager at the direction of the Emergency Coordinator will institute a search and rescue operation based upon SC-213.
- 3.1.1 Notify Security to scan area for missing individual(s).
- 3.1.2 Notify Control Room giving the identity of missing individual(s).
- 3.1.3 Notify the on-site survey teams to visually scan for the missing individual(s).
- 3.1.4 Have an announcement made over the page phone "individual's name call security or dial phone number.)
- 3.2 The radio communicator in TSC shall notify in-plant survey teams of search and rescue operation and name of individual(s).
- 3.2.1 Should an in-plant survey team discover the missing individual(s):
- 3.2.1.1 Notify the Radio Communicator in TSC and give assistance as required.
- 3.3 Establishment of a search and rescue team, where practical, should consist of,
- 3.3.1 A co-worker that knows the missing individual.

- 3.3.2 An individual familiar with the use of radiation instruments and Health Physics practices.
- 3.3.3 Additional personnel as determined appropriate through discussion with Health Physics and Chemistry Manager, Maintenance Assessment Manager, and Security Manager.
- 3.3.4 The team shall consist of a minimum of two persons.
- 3.4 The search and rescue team shall commence the search as follows:
 - 3.4.1 Initial briefing prior to beginning search to include:
 - 3.4.1.1 Radiological concerns during search
 - 3.4.1.2 Protective equipment needed
 - 3.4.1.3 Dosimetry and Dose Rate Meter needed
 - 3.4.1.4 Detailed information and description of individual
 - 3.4.1.5 Last known location of individual
 - 3.4.1.6 Communications during the search
 - 3.4.1.7 Do not enter areas where radiation levels are greater than 2 R/hr unless given permission from the Health Physicist.
 - 3.4.2 If dispatched from the Emergency Survey Center enter site using SC-230.
 - 3.4.3 If dispatched from Operation Support Center use guidance of Health Physicist.
 - 3.4.4 Commence search at last known area and expand to adjacent areas and buildings until individual is found.
 - 3.4.5 Upon locating the individual give assistance as required and notify Security Manager.
 - 3.4.6 The Security Manager will coordinate any additional assistance.
 - 3.4.7 If medical assistance is required see Procedure A-7.
 - 3.4.8 If radiological decontamination assistance is required see Procedure HP-6.3.
 - 3.4.9 Upon removing the individual to a safe location (ESC, TSC, Hospital, etc.) report to Security Manager all events related to the search and rescue operation.

3.4.9.1 Pertinent information from the search and rescue operation shall be reported to the appropriate managers by the Security Manager and a rescue team. They may include:

3.4.9.1.1 Damage noted

3.4.9.1.2 Spills noted

3.4.9.1.3 Doses received

3.4.9.1.4 Radiation Reading

3.4.9.1.5 Unusual situation

3.5 The Security Manager will report the completion of the search and rescue operation to the Emergency Coordinator, and other emergency centers.