

ID/20,2P

RAD/CHEM DIRECTOR

180-0
Rad/Chem Director

Rev. 4 10-14-82

180-1
Rad/Chem Director Implementing Procedure

Rev. 4 10-14-82

APPROVED
OCT 14 1982
O.C.D.S.R.

RAD/CHEM DIRECTOR
IMPLEMENTING PROCEDURE

QEP 180-1
Revision 4
October 1982

ID/2Q

A. PURPOSE

The purpose of this procedure is to outline the method used to implement the Rad/Chem Director duties.

B. REFERENCES

1. GSEP Table 4.2-8.
2. QEP 330 Block Procedures, Assessment Actions.
3. QEP 350-T1, GSEP Guidelines for Recommended Off-Site Protective Actions for Gaseous Plume Exposure.
4. QEP 350-T2, GSEP Guidelines for Protection Against Ingestion of Contamination for the Off-Site Public.
5. QEP 360-2, Plant Evacuation and Assembly.
6. QEP 360-3, Site Evacuation.

C. PREREQUISITES

1. None.

D. PRECAUTIONS

1. None.

E. LIMITATIONS AND ACTIONS

1. Responsibilities:
 - a. To direct a staff in determining the extent and nature of radiological or hazardous material problems onsite (and initially offsite) to the degree necessary to assess personnel exposures or plant releases.
 - b. To provide radiological and hazardous material information and recommendations to the Station Director.

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2. Notification:
 - a. Initial notification by:
 - (1) Acting Station Director.
 - (a) Shift Supervisor.
 - (b) Senior NSO.
 - (2) Station Director.

F. PROCEDURE

1. Assist in planning personnel rescue operations and with respect to hazardous material accidents, provide monitoring services as required.
2. Decide which of the predetermined personnel evacuation routes is to be used when deemed necessary.
3. Ensure that personnel are decontaminated, if necessary.
4. Assist in the transfer of injured and non-essential personnel.
5. Ensure that appropriate bioassay procedures have been implemented for onsite personnel when a radioactivity incident has occurred.
6. Accumulate, tabulate, and evaluate data on plant conditions such as meteorological and radiation area monitoring readings, hazardous material surveys, and other pertinent data. ARM readings may be tabulated on QEP 330-T9. General arrangement drawings are provided in the TSC giving locations of the ARM stations.
7. Ensure use of protective clothing, respiratory protection, and access control within the plant as deemed appropriate to control personnel exposures.
8. Request through the Health Physics Director:
 - a. Additional or special personnel monitoring devices (TLDs, whole body counters, etc.)
 - b. Engineering evaluations of temporary shielding or special equipment and tools.
 - c. Additional health physics support personnel.
 - d. Additional instrumentation and equipment, as required.
9. Set up, as appropriate, a group qualified to receive contaminated and injured personnel and perform first aid duties.

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10. Coordinate initial offsite monitoring efforts of the Environs Group until such activities can be directed by a designated Environs Director.
11. Maintain a record of the GSEP related activities.
12. During site assembly, Radiation Chemistry Technicians will be dispatched to the assembly areas to monitor and decontaminate, if necessary all personnel still wearing protective clothing. A Radiation Chemistry Technician will also be dispatched to the machine shop to monitor the area for direct and airborne radiation problems.
13. Prioritize RCT sampling tasks to ensure the acquisition of the most pertinent data during the early phases of a GSEP condition. Samples should be obtained in the order listed in QEP 110-T1, if practicable.
14. When sample results are transmitted to the Rad/Chem Director, he should verify that information relative to the time of sample collection is provided.

G. CHECKLISTS

1. None.

H. TECHNICAL SPECIFICATION REFERENCES

1. None.

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ONSITE TECHNICAL
SUPPORT CENTER

420-0

Onsite Technical Support Center

Rev. 4

10-14-82

420-1

Onsite Technical Support Center

Rev. 4

10-14-82

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ON-SITE TECHNICAL SUPPORT CENTER

QEP 420-1
Revision 4
October 1982

ID/1K

A. PURPOSE

The purpose of this procedure is to outline the method to activate and utilize the On-Site Technical Support Center during emergencies.

B. REFERENCES

1. GSEP Section 7.1.2. and GSEP-QCA Section 7.1.
2. NUREG 0578.

C. PREREQUISITES

1. None.

D. PRECAUTIONS

1. None.

E. LIMITATIONS AND ACTIONS

1. None.

F. PROCEDURE

1. The Control Room is the primary on-site location from which initial actions are taken to identify, assess, and cope with an emergency. Once an emergency has been declared, the On-Site Technical Support Center may be activated as necessary to support the Control Room.
2. The TSC may be activated for any emergency as necessary, but must be activated for a GSEP Alert, site emergency, and general emergency.
3. The TSC is maintained for use by plant administration, technical staff, and engineering support personnel during emergencies.
4. The TSC is utilized for assessment of plant status and potential off-site impact in support of the Control Room command and control function, and for implementation of on-site and off-site emergency actions.
5. The TSC is located in the Southeast corner of the protected area (old guardhouse).

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6. Plant drawings, design information, procedures, etc. are readily available in the TSC.
 - a. In accordance with NUREG-0696, the following documents are located in the TSC:
 - (1) Technical Specifications
 - (2) Complete set of Station Procedures
 - (3) Original and Updated FSAR
 - (4) Iowa and Illinois Emergency Plans
 - (5) Current year NRC Monthly Operations Reports (plant operating records)
 - (6) Current year On-Site Review Reports
 - (7) As built M, B, and 4E drawings (a drawing index microfiche is located in the clerk's desk)
 - b. A SYFA terminal is located in the TSC that may be utilized to retrieve exposure records and environs data.
7. Adequate staffing and access control of the TSC will be as directed by the Station Director. The Station Director will direct those necessary technical and management personnel to man the TSC depending on the nature and extent of the emergency. He will assure adequate technical expertise is available in the TSC to provide the necessary technical support. The Technical Director would normally report to the TSC, and would assist the Station Director in directing the manning and access control of the TSC. The Thermal Engineer and Lead Nuclear Engineer would also report to the TSC, if available. Off-Site and NRC personnel may be directed to report to the TSC as required.
8. Dedicated communications exist to the Control Room, the NRC, the EOF, the OSC, and the CECO GSEP Command Center in Chicago, and to state and local authorities (via the NARS phone).
9. Portable direct and airborne radiation monitors are available in the TSC. If the TSC becomes airborne, or if the radiation level in the TSC becomes excessive in the judgement of the Station Director or Environs Director, the accident assessment function of the TSC will be performed from the Control Room. Air packs or masks from the respiratory equipment issue room should be utilized as conditions dictate.

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10. If the TSC is relocated to the Control Room, only a limited number of persons should relocate, due to the need to control access to the Control Room. Including the Station Director and Technical Director, this number should not exceed ten.
11. Upon activation of the TSC, turn on the Eberline PING-2 monitor located in the HVAC room.

G. CHECKLISTS

1. None.

H. TECHNICAL SPECIFICATION REFERENCES

1. None.

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ONSITE OPERATIONAL
SUPPORT CENTER

430-0

Onsite Operational Support Center

Rev. 3

10-14-82

430-1

Onsite Operational Support Center

Rev. 3

10-14-82

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Q.C.S.R.

ON-SITE OPERATIONAL SUPPORT CENTER

QEP 430-1
Revision 3
October 1982

ID/3Q

A. PURPOSE

The purpose of this procedure is to outline the method to activate and utilize the On-Site Operational Support Center during emergencies.

B. REFERENCES

1. GSEP Section 7.1.3 and GSEP-QCA Section 7.1.
2. NUREG 0578.

C. PREREQUISITES

1. None.

D. PRECAUTIONS

1. None.

E. LIMITATIONS AND ACTIONS

1. None.

F. PROCEDURE

1. The Control Room is the primary on-site location from which initial actions are taken to identify, assess, and cope with an emergency. Once an emergency has been declared, the On-Site Operational Support Center may be activated as necessary to support the Control Room.
2. The OSC may be activated for any emergency as necessary, but must be activated for a GSEP alert, site emergency, and general emergency.
3. The OSC at Quad-Cities Station is the meeting room adjacent to the TSC.
4. Operations support personnel report to the OSC during an emergency, from where they are dispatched for assignments or duties in support of emergency operations.
5. Dedicated communications exist between the OSC, the Control Room and to the TSC.
6. The Operations Director or his designee (Operating Engineer) will assume command of the OSC when activated. Operations personnel will man the OSC to the extent necessary, depending on the nature and scope of the emergency. Rad-Chem technicians will also report to the OSC.

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7. The OSC should remain in close communication with the Control Room, such that actions taken are coordinated and carried out properly.
8. The OSC supervisor should coordinate the dispatching of operators and should serve as the primary communicator in the OSC as his prime functions. It is his function to assure that the necessary manpower is assembled at the OSC and accounted for. He should also make use of the status board to inform all OSC personnel of the status of the emergency.

G. CHECKLISTS

1. None.

H. TECHNICAL SPECIFICATION REFERENCES

1. None.

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ID/2Y,2Z

ONSITE OPERATIONAL
SUPPORT CENTER

430-0

Onsite Operational Support Center

Rev. 3

10-14-82

430-1

Onsite Operational Support Center

Rev. 3

10-14-82

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Q.C.O.S.R.

ON-SITE OPERATIONAL SUPPORT CENTER

QEP 430-1
Revision 3
October 1982

ID/3Q

A. PURPOSE

The purpose of this procedure is to outline the method to activate and utilize the On-Site Operational Support Center during emergencies.

B. REFERENCES

1. GSEP Section 7.1.3 and GSEP-QCA Section 7.1.
2. NUREG 0578.

C. PREREQUISITES

1. None.

D. PRECAUTIONS

1. None.

E. LIMITATIONS AND ACTIONS

1. None.

F. PROCEDURE

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G. CHECKLISTS

1. None.

H. TECHNICAL SPECIFICATION REFERENCES

1. None.

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EXERCISES AND DRILLS

<u>530-0</u> Exercises and Drills	Rev. 12	10-14-82
<u>530-1</u> Emergency Exercise	Rev. 1	12-16-80
<u>530-2</u> Emergency Drills	Rev. 7	10-14-82
<u>530-3</u> Off-Shift Augmentation Drill	Rev. 2	06-21-82
<u>530-S1</u> Monthly NARS Drill Quad-Cities Station	Rev. 4	10-01-82
<u>530-S2</u> Monthly Test of the NRC Health Physics Network	Rev. 1	01-05-82
<u>530-S3</u> Monthly Test of the NRC Emergency Notification System	Rev. 2	10-14-82

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EMERGENCY DRILLS

QEP 530-2
Revision 7
October 1982

ID/30

A. PURPOSE

The purpose of this procedure is to list the required drills and their frequencies and to test specific facets of the Generating Station Emergency Plans.

B. REFERENCES

1. GSEP, Section 8.3.2.
2. GSEP, Section 7.2.
3. QEP 440-1, Emergency Communication Facilities.

C. PREREQUISITES

1. None.

D. PRECAUTIONS

1. None.

E. LIMITATIONS AND ACTIONS

1. The communications drill is rated satisfactory if the initiating party is able to transmit and receive acknowledgement for a brief exercise message to each of the agencies, designated in the site specific annex within 15 minutes of the simulated declaration. (Simulated declaration will be established immediately prior to picking up the NARS phone to initiate the drill.) The drill can be rated satisfactory even if NARS fails and backup systems are used to complete notification; however, corrective actions are required in event of NARS failure. The drill is rated unsatisfactory if the required transmission and acknowledgement is not completed within 15 minutes.
2. If communications equipment fails to operate properly, contact Illinois ESDA; phone (217) 782-7860 and the Corporate Command Center immediately following the drill. If the drill is rated unsatisfactory, immediately notify the Production Nuclear Duty Person during normal business hours, or the Production Nuclear Duty Person through the System Power Dispatcher during other hours in addition to initiating action to have the system repaired. An additional drill will be conducted immediately upon completion of equipment repairs any time a drill is rated unsatisfactory.
3. If the NRC health physics network fails, notify the NRC Region III office at (312)-932-2500.

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4. If the NRC Emergency Notification System phone fails, notify the NRC Operations Center at (202) 951-0550.

F. PROCEDURE

1. Emergency drills, as described in GSEP, Section 8.3.2, GSEP, Section 7.2., and this procedure shall be conducted at a frequency as listed in the below table:

DRILL	DESCRIPTION	FREQUENCY
1. Communications Systems	QEP 530-2 step F.2	ANNUAL
a. Microwave/radio communications	GSEP 7.2.2	ANNUAL
b. NRC communications	GSEP 7.2.4	ANNUAL
c. Station communications	GSEP 7.2.2	ANNUAL
d. N.A.R.S.	QEP 530-2 step F.3 GSEP 7.2.1	MONTHLY
e. NRC health physics network	GSEP 7.2.4 QEP 530-2 step F.7	MONTHLY
f. NRC Emergency Notification System	GSEP 7.2.4 QEP 530-2 step F.8	MONTHLY
2. Environmental Monitoring Drill	QEP 530-2 step F.4 GSEP 8.3.2.3	ANNUAL
3. Medical Emergency Drill	QEP 530-2, step F.5 GSEP 8.3.2.5	ANNUAL
4. Health Physics Drill	QEP 530-2, step F.6 GSEP 8.3.2.4	SEMI-ANNUAL

2. Communications drill.

- a. To verify communications procedures and communications equipment that would be required in the event of a major accident, the capability to communicate on the microwave/radio communications, NRC communications, station communications and the N.A.R.S communications systems will be tested during the annual communications drill.

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b. Conduct of test.

Standard messages will be transmitted from key locations to verify that information transmitted in the nuclear accident report and environmental assessment formats can be accurately transmitted and readily understood. Each message will be independent and will not relate to other messages. The communicators who ultimately receive the messages will be requested to return the completed message forms so that a comparative evaluation can be made.

c. Critique.

The communications drill checklist will be used as a guide while the drill is in progress. A verbal critique of communications procedures will be conducted immediately following the drill. A written critique will be provided for records.

d. Standard.

The drill is rated satisfactory if:

- (1) The Exercise Nuclear Accident Report message is accurately received by the CCC, State EOC's and REAC, and local EOC's within 15 minutes from the simulated declaration of an emergency.
- (2) The environmental assessment messages are accurately received by Illinois REAC.
- (3) Federal Emergency Response agencies are contacted by any facility.
- (4) Communications by either primary or backup means is established from:
 - (a) the control room to CCC, SPS, TSC, EOF, EOC and REAC;
 - (b) TSC to EOF and CCC;
 - (c) EOF to TSC, EOC, CCC, SPS and REAC;
 - (d) CCC to TSC, EOF, EOC and REAC;
 - (e) Field assessment teams to EOF, TSC or CCC.

The drill is rated unsatisfactory if any of the above standards are not achieved. Corrective action is required if any primary or backup system fails to operate properly.

3. N.A.R.S. Communications System.

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- a. The dedicated Nuclear Accident Reporting System (NARS) communications is the primary communication system to be tested. If NARS does not enable understandable communication, available backup system, to include dial phone, will be employed to contact designated agencies to demonstrate communications procedures to be used in the event of NARS failure. Each station will initiate a monthly communications drill to verify the capability to notify designated company, state and local agencies if a general emergency was declared. Initiation capabilities from the EOF, TSC and Control Room will be demonstrated periodically.
- b. Conduct of test.

The drill will be conducted in the following manner using QEP 530-S1.

- (1) Establish and record declaration time.
- (2) Activate NARS:
 - (a) Remove handset.
 - (b) Dial required code (23).
 - (c) Confirm stations on line.

NOTE

The hand set button must be pressed when transmitting.

- (3) Transmit message test: "THIS IS A TEST. THIS IS (NAME OF FACILITY). STAND BY FOR NOTIFICATION DRILL. THE SIMULATED DECLARATION TIME IS (DECLARATION TIME). THE CURRENT TIME IS (CURRENT TIME). STAND BY TO ACKNOWLEDGE RECEIPT OF THIS EXERCISE MESSAGE BY STATING YOUR AGENCY AND INITIALS."
- (4) Call roll of activities (site specific annex) and record initials of acknowledging individual.
- (5) Upon completion of acknowledgements, inquire if anyone has not been called and close the conference call.
- (6) Contact agencies not acknowledging the drill by backup communications means.
- (7) Record times of all acknowledgements.
- (8) Initiate corrective actions if required.

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c. Agencies to be notified:

Illinois Emergency Services & Disaster Agency
Illinois Department of Nuclear Safety*
Rock Island Communications
Rock Island E.S.D.A.*
Scott County Sheriff, Davenport, Iowa
Corporate Command Center*
System Power Supply
Clinton County EOC
Iowa Office of Disaster Services
Whiteside County EOC*
Whiteside County Sheriff

NOTE

Extensions with an asterisk are not manned 24 hours a day. Successful communications with all other agencies constitutes a successful test, if during other than normal working hours.

4. Environmental Monitoring Drill.

- a. Field monitoring teams will be selected to operate under the direction of a Rad/Chem Director or an Environs Director from the station. Two teams will be utilized unless otherwise specified. A situation will be portrayed to indicate a simulated release based on actual meteorological conditions at the time of the drill. The teams will conduct sampling of water, grass or other vegetation, soil, and air and conduct actual field monitoring of samples. The controller accompanying each team will provide simulated readings to indicate the level of radiation expected from the plume at that location. Teams will record and report findings to the Environs Director in the EOF using radio or backup communications. Samples will be transported to and analyzed in the station laboratory facilities. Procedures used in analysis will be evaluated.

The corporate Environmental Center will be activated and its personnel will be required to process and analyze the simulated field readings and laboratory findings. Communications between field personnel, the Environs Director, and the environmental center will be tested. A controller will judge the performance of corporate personnel to support field activities and reach the appropriate recommendation for protective action.

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b. Responsibilities.

The CECo. General Office will schedule, direct, and evaluate the drill. Environmental Center participants will be selected by the General Office from a list of qualified personnel. The Generating Station will:

- (1) Provide two qualified individuals to act as controllers and to assist in preparing the drill.
- (2) Provide a list of personnel designated as qualified to perform duties of Rad/Chem Director, Environs Director, and Environs Group field team member. Provide selected personnel that are reasonably available to participate in the drill.
- (3) Provide communication, protective, sample gathering and transportation equipment to conduct the drill.
- (4) Provide EOF and laboratory facilities to conduct the drill.

c. Critique.

A verbal critique will be conducted at the conclusion of the drill by the control team from the General Office and the station.

Following the verbal critique, the control team will meet to provide comments for the written critique to the General Office representative. The written critique will be provided to the station after review at the General Office.

5. Medical Emergency Drill.

- a. Commonwealth Edison employs the Radiation Mangement Corporation (RMC) to provide procedures, training and drills for onsite and off-site organizations dealing with emergency medical treatment. RMC will conduct the training and supervise medical and decontamination aspects of the drill. CECo will supervise GSEP related notification aspects of the drill. The drill will normally be conducted on the day following the training sessions. Victims simulated to be contaminated and injured will be used as controllers. The drill will include treatment and decontamination of the victims from the time the accident is reported until the hospital has decontaminated and treated the simulated patients. The drill will be followed by a critique.

b. Responsibilities.

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The CECO General Office will:

- (1) Prepare a general schedule for the drill.
- (2) Provide backup assistance in concluding local scheduling when needed.
- (3) Provide an observer to control and evaluate portions of the exercise outside of RMC's area of expertise.
- (4) Provide written and oral critique comments.

The Generating Station will:

- (1) Arrange exact dates of drill with RMC, CECO. General Office and off-site support agencies.
- (2) Assign personnel to participate in on-site training.
- (3) Assign personnel to participate as victims under RMC direction.
- (4) Participate in the drill.

Radiation Management Corporation will:

- (1) Conduct a training program.
- (2) Control the medical portion of the drill.
- (3) Evaluate the drill with qualified medical and health physics controllers.
- (5) Conduct an oral and written critique.

c. Corrective actions.

Deficiencies in team or individual actions during the drill will be corrected by instruction during the critique. Deficiencies in equipment or physical arrangements discovered during the exercise will be evaluated by RMC, CECO., and off-site support agencies and resolved following the written report.

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6. Health Physics Drill.

- a. One team of Rad/Chem Technicians will be selected to perform direct monitoring and sample collecting functions. Controllers will provide the initial situation and meter readings to simulate elevated radiation levels. The team will report elevated measurements in accordance with station procedures. Airborne and liquid samples collected will be analyzed in accordance with station procedures. Results of the analysis will be recorded. At least once each year the drill will include obtaining and analyzing an actual liquid sample from the plant. The controller will specify collection of a sample that is required to be analyzed for normal plant operations whenever possible. Results of the analysis will be processed in accordance with normal procedures.

b. Responsibilities.

The CECO General Office will:

- (1) Schedule, direct and evaluate the drill.

The Generating Station will:

- (1) Provide a technically qualified individual to act as a controller and to assist in planning the drill.
- (2) Provide a list of qualified technicians. Provide selected personnel to participate in the drill.
- (3) Provide equipment and facilities to conduct the drill.

c. Critique.

A verbal critique will be conducted at the conclusion of the drill by the controllers from the General Office and the station. Following the verbal critique, the control team will discuss comments for the written critique. The written critique will be provided to the station after review at the General Office.

7. NRC health physics network.

- a. The NRC health physics network provides dedicated communications between the Station and NRC headquarters in Bethesda, Maryland, and Glen Ellyn, Illinois.
- b. Phones are located in the Rad-Chem Supervisor's office, the on-site NRC office, and the emergency operations facility.
- c. Conduct of test. The drill will be conducted in the following manner using QEP 530-S2:
- (1) Choose one of the three phones available. Each phone must be tested once every three months, on a rotating basis, testing one phone per month.

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- (2) Pick up the receiver and dial 22. This number should reach NRC headquarters in Bethesda, Maryland. Pick up the receiver and dial 23. This number should reach Region III headquarters in Glen Ellyn, Illinois.

NOTE

No dial tone or ringing will be heard.

- (3) The test message should be:

This is a test. This is the Quad-Cities Nuclear Power Station. Please verify that communications have been established by stating your initials.

- (4) Should a test be unsuccessful, the NRC shall be notified and one of the other HP network phones shall be tested to verify that communication is possible. NRC Region III should be notified so that appropriate corrective actions may be taken.

8. NRC Emergency Notification System (red phone).

- a. The NRC Emergency Notification System provides dedicated communications between the station and the NRC Operations Center in Bethesda, Maryland.
- b. Phones are located in the on-site NRC office, the Emergency Operations Facility, the Technical Support Center, and the station Control Room.
- c. Conduct of test. The drill will be conducted in the following manner using QEP 530-S3:

- (1) All phones must be tested each month.
- (2) Pick up the receiver and wait. The phone should automatically reach NRC headquarters in Bethesda, Maryland.
- (3) The test message should consist of:

This is (NAME) from the Quad-Cities Nuclear Power Station. I'm calling from our (FACILITY NAME) to test the Emergency Notification System. Please acknowledge the receipt of this message by stating your initials.

- (4) Record the initials of the call receiver on QEP 530-S3.
- (5) Should a test be unsuccessful, the NRC Operations Center shall be notified so that appropriate corrective actions may be taken. The Operations Center number is (202) 951-0550.

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G. CHECKLISTS

1. QEP 530-S1, Monthly NARS Drill Quad-Cities Station.
2. QEP 530-S2, Monthly Test of the NRC Health Physics Network.
3. QEP 530-S3, Monthly Test of NRC Emergency Notification System.

H. TECHNICAL SPECIFICATION REFERENCES

1. None.

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Q.C.O.S.W.

MONTHLY TEST OF THE NRC
EMERGENCY NOTIFICATION SYSTEM

QEP 530-S3
Revision 2
October 1982

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Date: _____

Time: _____

Phone Location: _____

NRC Emergency Notification System Telephones to be tested are located in the Technical Support Center, the Emergency Operations Facility, and the Control Room. Each of these phones is to be tested every month.

The test shall consist of the following:

Pick up the receiver and wait. The phone should automatically reach the NRC Operations Center in Bethesda, Maryland.

The test message should consist of:

This is (NAME) from the Quad-Cities Nuclear Power Station. I'm calling from our (FACILITY NAME) to test the Emergency Notification System. Please acknowledge the receipt of this message by stating your initials.

INITIALS _____

Should a test be unsuccessful, the NRC Operations Center shall be notified so that the appropriate actions may be taken.

SUCCESSFUL COMMUNICATIONS _____ YES _____ NO

Signature

COMMENTS

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G.G.O.S.R

STATION PROCEDURE REVISION COVER SHEET

ID/LX

Revision Description This revision
provides a new procedure
and updates QEP 620-1
for listing plant
problems as a result of the west

QEP
Chapter
General
Originator

620-1 REV 4
620-T1 REV 1
Procedure
Revision

This procedure is required to be implemented prior to _____ Date
because of _____

DRAFT REVIEW

Tech. Staff Supervisor Date

Department Head Date

Originator Date

FINAL APPROVAL

Ronald Kowal 10/13/82
Dept. Head QA0 CHEM Date
G. [unclear] 10/13/82
Tech. Staff Supervisor Date
L. Hermer 10/13/82
Asst. Supt. ADMIN Date

AUTHORIZATION

[Signature] 10/14/82
Station Superintendent Effective Date

INSTRUCTIONS FOR REVISION INSERTION

REMOVE

QEP 620-0 REV 3
QEP 620-1 REV 3

INSERT

QEP 620-0 REV 4
QEP 620-1 REV 4
QEP 620-T1 REV 1

REVISION RECEIPT FORM

Please sign and date below, and return this sheet to the Officer Supervisor -
Quad Cities Station. Your Station Procedure copy number is 44.

Signature _____

Date _____

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RECOVERY

620-0
Recovery

Rev. 4 10-14-82

620-1
Recovery Following GSEP Emergencies

Rev. 4 10-14-82

620-2
Emergency Personnel Dose Limits
and Radiological Controls for
Rescue and Recovery Operations

Rev. 2 08-10-81

620-T1
Corrective Action Items for Plant Recovery

Rev. 1 10-14-82

APPROVED

OCT 14 1982

Q.C.O.S.R.

RECOVERY FOLLOWING
GSEP EMERGENCIES

QEP 620-1
Revision 4
October 1982

ID/3R

A. PURPOSE

The purpose of this procedure is to outline the steps to be taken for recovery following GSEP emergencies.

B. REFERENCES

1. 10CFR20.101.
2. 10CFR50, Appendix E.
3. QRP 1000-1, Radiation Control Standards.
4. QEP 620-2.

C. PREREQUISITES

1. None.

D. PRECAUTIONS

1. Plant recovery to operational status is an event-oriented concept. Any considerable degradation of the plant as a result of fire, explosion, etc. may require many unforeseen procedural steps or procedures.

E. LIMITATIONS AND ACTIONS

1. Recovery procedures must address the specific degradations of plant and environs that are present as a result of the event. Therefore, recovery procedures shall be written and processed as special Operating or Maintenance procedures. They shall receive the On-Site Review in accordance with normal station procedures.
2. The need for specific recovery procedures will be determined by the Operations Director, the Technical Director, the Maintenance Director, the Command Center Director and other advisory agencies (i.e. NRC or ESDA).
3. The Technical Director shall coordinate the writing and processing of the special procedures identified as necessary to accomplish recovery.
4. During an emergency situation, a repeat exposure to any overexposed individual (greater than 3 Rem/qtr.) should be prevented.

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F. PROCEDURE

1. Recovery operation shall be done in accordance with predetermined plans.
2. All recovery operations shall be carefully documented.
3. Caution shall be taken to minimize personnel doses.
 - a. In no cases shall doses exceed those specified for emergencies in QRP 1000-1 and QEP 620-2.
 - b. An attempt shall be made to maintain doses within limits specified in 10 CFR 20.101.
4. A list of plant problems as a result of the event should be compiled so that priorities can be developed for corrective actions.

G. CHECKLISTS

1. QEP 620-T1, Corrective Action Items for Plant Recovery.

H. TECHNICAL SPECIFICATION REFERENCES

1. None.

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ID/2I,2J

TELEPHONE DIRECTORIES

700-0
Telephone Directories

Rev. 4 10-14-82

700-T2
Employee List

Rev. 3 01-18-82

700-T3
Supplemental Phone Listing

Rev. 2 10-14-82

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J. C. O. S. K.

SUPPLEMENTAL PHONE LISTING

QEP 700-T3
 Revision 2
 October 1982

ID/1F

This listing supplements the GSEP phone number listing as given in the Quad-Cities Station Directory and in the Local Support Agency Directory.

<u>Agency</u>	<u>Phone No.</u>
Department of Energy (RAT)	312-972-4800
Illinois Dept. of Public Health	217-782-6550
U. S. Coast Guard (St. Paul)	612-725-7452
NRC Region III	312-932-2500
51st Ordinance Unit, Ft. Sheridan, IL	312-926-2081
F.B.I.	309-786-2662
Army Corps of Engineers	309-788-6361
NRC (Washington)	301-492-7403
Rock Island County Sheriff	309-786-2100
Iowa Emergency Services	515-281-3231
Illinois Emergency Services	217-782-7860
Cordova Police	309-654-2600
Albany Police	309-887-4370
Outside number to EOF (refer to QEP 460-T1 for additional numbers)	309-654-2662
Outside numbers to TSC	309-654-2559
	309-654-2508
	309-654-2538
	309-654-2564
	309-654-2592

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Q.C.U.S.R.