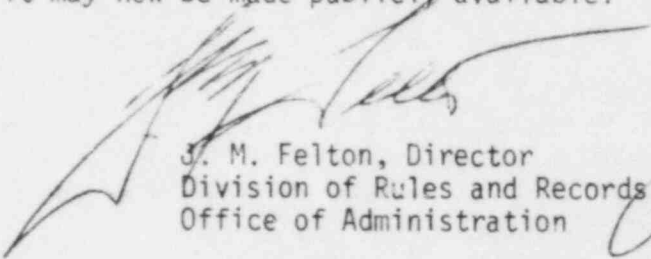
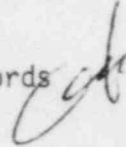




UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

MEMORANDUM FOR: Chief, Document Management Branch, TIDC
FROM: Director, Division of Rules and Records, ADM
SUBJECT: REVIEW OF UTILITY EMERGENCY PLAN DOCUMENTATION

The Division of Rules and Records has reviewed the attached document and has determined that it may now be made publicly available.


J. M. Felton, Director
Division of Rules and Records
Office of Administration 

Attachment: As stated

8403090294 831103
PDR ADOCK 05000254
F PDR

NRC

QAP 1100-T3

Revision 6

STATION PROCEDURE REVISION COVER SHEET

October 1981

ID/IX

Revision Description

This revision
updates references and provides
for notification of state and local
agencies when the Corporate

Command Center is not manned and deletes two tables
transferred to QEP 180 block for better administration.

This procedure is required to be implemented prior to _____

because of _____

Date

DRAFT REVIEW

Tech. Staff Supervisor

Date

Department Head

Date

Originator

Date

FINAL APPROVAL

Dept. Head

Date

Tech. Staff Supervisor

Date

Asst. Supt.

Date

AUTHORIZATION

Station Superintendent

Effective Date

INSTRUCTIONS FOR REVISION INSERTIONREMOVE

QEP 110-0 Rev. 11
 QEP 110-1 Rev. 8
 " 110-2 Rev. 4
 " 110-T1 Rev. 1 (Delete)
 " 110-T2 Rev. 1 (Delete)

INSERT

QEP 110-0 Rev. 12
 QEP 110-1 Rev. 9
 " 110-2 Rev. 5

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 337

Signature

Date

-1-(final)

APPROVED

NOV 6 1981

Q.C.O.S.R.

684430100 001108
 684430100 001108

NRC
STATION PROCEDURE REVISION COVER SHEET

QAP 1100-T5
Revision 6
October 1981

ID/IX

Revision Description This revision

adds two new tables

transferred from the

QEP 110 book for better

administration and makes the flowchart

more legible per NRC audit.

QEP
Chapter

180-T1 Rev. 1

180-T2 Rev. 1

Procedure

Tette/Josson
Originator

Revision

This procedure is required to be implemented prior to _____

Date

because of _____

DRAFT REVIEW

Tech. Staff Supervisor

Date

Department Head

Date

Josson
Originator

10-20-83
Date

FINAL APPROVAL

J. N. Rood
Dept. Head

10-21-83
Date

G. T. Tette
Tech. Staff Supervisor

10/24/83
Date

L. Hower
Asst. Supt.

10/25/83
Date

AUTHORIZATION

L. S. Kibben
Station Superintendent

10/25/83
Effective Date

INSTRUCTIONS FOR REVISION INSERTION

REMOVE

QEP 180-0 Rev. 4

INSERT

QEP 180-0 Rev. 5

(New) QEP 180-T1 Rev. 1

(New) QEP 180-T2 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 37.

Signature _____

Date _____

-1-(final)

APPROVED

NOV 6 1981

Q.C.O.S.R.

STATION PROCEDURE REVISION COVER SHEET

ID/LX

Revision Description This revisionupdates the priorities
notification list to
reflect personnel
changes and changes in
notification priority.QEP
Chapter310-T3
ProcedureD. Sessen
Originator10
Revision

This procedure is required to be implemented prior to _____

Date

because of _____

DRAFT REVIEW

Tech. Staff Supervisor

Date

Department Head

Date

D. Sessen
Originator11-1-83
DateFINAL APPROVALG. Tuit
Dept. Head11/1/83
DateG. Tuit
Tech. Staff Supervisor11/1/83
DateL. J. Horner
Asst. Supt.11/1/83
DateAUTHORIZATIONL. J. Horner
Station Superintendent11/3/83
Effective DateINSTRUCTIONS FOR REVISION INSERTIONREMOVEQEP 310-D Rev. 17QEP 310-T3 Rev. 9INSERTQEP 310-O Rev. 18QEP 310-T3 Rev. 10REVISION RECEIPT FORMPlease sign and date below, and return this sheet to the Officer Supervisor -
Quad Cities Station. Your Station Procedure copy number is 37.

Signature _____

Date _____

-1-(final)

APPROVED

NOV 6 1981

Q.C.O.S.R.

STATION PROCEDURE REVISION COVER SHEET

ID/LX

Revision Description This revisionupdates the procedure
by updating
references

QEP

Chapter

410-1

Procedure

D. Jessen

Originator

2

Revision

This procedure is required to be implemented prior to _____

Date

because of _____

DRAFT REVIEW

Tech. Staff Supervisor

Date

Department Head

Date

Originator

Date

10-20-83

FINAL APPROVAL

Dept. Head

Date

Tech. Staff Supervisor

Date

Asst. Supt.

Date

AUTHORIZATION

Station Superintendent

Effective Date

INSTRUCTIONS FOR REVISION INSERTIONREMOVE

QEP 410-0.Rw.1

QEP 410-1.Rw.1

INSERT

QEP 410-0.Rw.2

QEP 410-1.Rw.2

REVISION RECEIPT FORMPlease sign and date below, and return this sheet to the Officer Supervisor -
Quad Cities Station. Your Station Procedure copy number is 37.

Signature

Date

-1-(final)

7. APPROVED

NOV 6 1981

O.C.O.S.R.

NRC

STATION PROCEDURE REVISION COVER SHEET

QAP 1100-T5
Revision 6
October 1981

ID/IX

Revision Description

This revision
updates the list of
agencies to reflect new
Coast Guard offices and
changes in addresses.QEP
Chapter510-T1
ProcedureD. J. Lessen
Originator4
RevisionThis procedure is required to be implemented prior to _____
because of _____ Date _____

DRAFT REVIEW

Tech. Staff Supervisor

Date

Department Head

Date

Originator

10-19-83

Date

FINAL APPROVAL

Dep't. Head

10-19-83

Date

Tech. Staff Supervisor

10/21/83

Date

Asst. Supt.

10/21/83

Date

AUTHORIZATION

Station Superintendent

Effective Date

INSTRUCTIONS FOR REVISION INSERTION

REMOVE

QEP 510-0 Rev. 5

QEP 510-T1 Rev. 3

INSERT

QEP 510-0 Rev. 6

QEP 510-T1 Rev. 4

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 37.

Signature

Date

-1-(final)

APPROVED

NOV 6 1991

STATION PROCEDURE REVISION COVER SHEET

ID/IX

Revision Description This revision
updates the agency list
to reflect new Coast
guard offices and
changes in addresses

QEP
Chapter520-T1
ProcedureD. Jossen
Originator4
Revision

This procedure is required to be implemented prior to _____

Date

because of _____

DRAFT REVIEW

Tech. Staff Supervisor

Date

Department Head

Date

Originator

10-19-83

Date

FINAL APPROVAL

Dept. Head

Date

Tech. Staff Supervisor

Date

Asst. Supt.

Date

AUTHORIZATION

Station Superintendent

Effective Date

INSTRUCTIONS FOR REVISION INSERTIONREMOVE

QEP 520-0 Rev. 7
 QEP 520-T1 Rev. 3

INSERT

QEP 520-0 Rev. 8
 QEP 520-T1 Rev. 4

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 37.

Signature

Date

-1-(final)

APPROVED

NOV 6 1981

Q.C.O.S.R.

STATION PROCEDURE REVISION COVER SHEET

ID/IX

Revision Description This revision
updates the supplemental
phone list by
providing new Coast
Guard Offices to contact.

QEP
Chapter700-T3
ProcedureD. Jessen
Originator6
Revision

This procedure is required to be implemented prior to _____

Date

because of _____

DRAFT REVIEW

Tech. Staff Supervisor

Date

Department Head

Date

Originator

10-19-83

Date

FINAL APPROVAL

Tech. Staff Supervisor

10-19-83

Date

Tech. Staff Supervisor

10/20/83

Date

Asst. Supt.

10/21/83

Date

AUTHORIZATION

Station Superintendent

10/22/83

Effective Date

INSTRUCTIONS FOR REVISION INSERTIONREMOVE

QEP 700-0 Rev. 8
 QEP 700-T3 Rev. 5

INSERT

QEP 700-0 Rev. 9
 QEP 700-T3 Rev. 6

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 37.

Signature

Date

-1-(final)

7. APPROVED

NOV 6 1981

O.C.O.S.R.

STATION DIRECTOR

110-0
Station Director

Rev. 12 10-25-83

110-1
Station Director Implementing Procedure

Rev. 9 10-25-83

110-2
Acting Station Director (Shift Engineer)
Implementing Procedure

Rev. 5 10-25-83

110-T1
Procedure Deleted (See QEP 180-T1)

Rev. 2 10-25-83

110-T2
Procedure Deleted (See QEP 180-T2)

Rev. 2 10-25-83

APPROVED
OCT 25 1983
O.C.O.S.R.

STATION DIRECTOR
IMPLEMENTING PROCEDURE

QEP 110-1
Revision 9
October 1983

ID/1D

A. PURPOSE

The purpose of this procedure is to outline the method used to implement the Station Director duties.

B. REFERENCES

1. GSEP Phone List.
2. QEP 200-2, Classification of an Incident Involving Hazardous Material.
3. QEP 200-T1, Quad-Cities Emergency Action Levels.
4. QEP 310-1, Initial Notification.
5. QEP 360-2, Plant Evacuation and Assembly.
6. QEP 360-3, Site Evacuation.
7. QEP 180-T1, RCT Task Prioritization.

C. PREREQUISITES

1. None.

D. PRECAUTIONS

1. None.

E. LIMITATIONS AND ACTIONS

1. Responsibilities.
 - a. To have responsible charge of the GSEP Station group and direct a staff in organizing and coordinating the emergency efforts at and within the immediate vicinity of the station.
 - b. To ensure adequate manning and access control of the Onsite TSC when activated.
 - c. To keep the GSEP Command Center Director fully informed of the status of the emergency and the measures being taken to deal with the emergency.
 - d. Establish agreements required for service specified in Section 4 of the site annex unless another Director has been assigned the responsibility of obtaining this agreement.

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OCT 25 1983

O.C.O.S.R.

2. Notification.

a. Initial notification by:

- (1) Shift Engineer.
- (2) Senior NSO.

3. The Station Director has the authority for declaring an emergency, recommending protective actions to local authorities, and authorizing emergency radiation exposures in excess of 10 CFR 20.101 limits. This authority may not be delegated.

F. PROCEDURE

1. Obtain information as required from:

- a. Shift Engineer.
- b. Radiation Protection Department. The RCT's should conduct appropriate surveys and sampling activities until the arrival of the Rad/Chem Director. 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 180-T1, if possible.

2. Categorize the incident using procedures QEP 200-2 and 200-T1.

- a. Transportation Accident.
- b. Unusual Event.
- c. Alert.
- d. Site Emergency.
- e. General Emergency.

NOTE

In the case of a General Emergency, the responsible state and local governmental agencies are to be notified within 15 minutes after declaring the condition as a General Emergency. The necessary time should be taken to accurately determine the condition of the emergency, and once the condition is officially declared, the Red Phone and NARS Phone notifications must be completed within 15 minutes. It is not prudent, however, to use excessive amounts of time to classify the emergency and to avoid the inevitable timely notifications that must be made for a General Emergency GSEP classification.

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D.C.O.S.R.

3. Notify the following as necessary per the instructions given by procedure QEP 310-1:
- a. System Power Supply Load Dispatcher.
 - b. Station Director.
 - c. Command Center Director.
 - d. Operations Director.
 - e. Technical Director.
 - f. Maintenance Director.
 - g. Stores Director.
 - h. Administrative Director.
 - i. Security Director.
 - j. Rad/Chem Director.
4. Actions required-complete as necessary.

- a. Personnel Accounting-contact Security Director. _____

(1) Personnel accounted for or assembled. _____

(2) Personnel missing (list)

_____	_____
_____	_____
_____	_____

- b. Injured personnel-contact Operations Director. _____

(1) Radiation Protection notified for first aid/survey and decontamination. _____

(2) Ambulance arranged. _____

(3) Hospital House Supervisor Notified. _____

(4) Command Center notified. _____

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<u>NAME</u>	<u>HOSPITAL</u>	<u>AMBULANCE</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

c. Plant Access-contact Security Director. _____

(1) Gate House secure.

(a) Locked by guard. _____

(b) Open to allow off-site access and notified to direct off-site assistance. _____

d. Evacuation planned-contact Operations Director.

(1) Non-essential personnel-list groups

_____	_____
_____	_____
_____	_____
_____	_____

(2) Site evacuation-contact Operations Director.

(a) Route planned. _____

(b) Estimated dose expected. _____

(c) Assembly area.

1. _____
2. _____
3. _____

(d) Survey personnel available.

(3) Local area evacuation-proposed. (Refer to generic GSEP tables 6.3-1 and 6.3-2, Section 7.3.3., and QEP 180-T2.)

(a) Sector(s) involved and avoidable dose.

(b) Coordination through:

1. Illinois Emergency Services and Disaster Agency.
2. Iowa Office of Disaster Services.

(c) Emergency team notified for assistance and continuing information. _____

e. Contact Industrial Relations regarding injuries (after incident is under control).

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D.C.O.S.R.

f. Recovery.

- (1) Determine extent of contamination.
 - (a) On-Site - contact Rad/Chem Director.
 - (b) OffSite - contact Environs Director.
- (2) Protective measures set for personnel.
- (3) Dose management set.
- (4) Unit status set and stable-contact Operations Director.
- (5) Damage estimated.
- (6) Development of specific recovery plans.

G. CHECKLISTS

1. None.

H. TECHNICAL SPECIFICATION REFERENCES

1. None.

OCT 25 1983

Q.C.Q.S.R.

ACTING STATION DIRECTOR
(SHIFT ENGINEER)
IMPLEMENTING PROCEDURE

QEP 110-2
Revision 5
October 1983

ID/3T

A. PURPOSE

The purpose of this procedure is to outline the method to implement the GSEP duties of the Acting Station Director (Shift Engineer, or Shift Foreman).

B. REFERENCES

1. QEP 200-T1, Emergency Action Levels (EAL's).
2. QEP 200-T2, EAL - Procedure Cross Reference.
3. QEP 310-1, Initial Notification.
4. QEP 310-T1, Emergency Organization Augmentation.
5. QEP 310-T2, NARS Form.
6. QEP 360-2, Plant Evacuation and Assembly.
7. QEP 350-T1, Protective Action Guidelines (PAG's).
8. QEP 180-T2, Flow Chart for Rapid Offsite Protective Decisions.
9. QEP 180-T1, Task Prioritization for RCT Personnel.

C. PREREQUISITES

1. None.

D. PRECAUTIONS

1. None.

E. LIMITATIONS AND ACTIONS

1. A cross-reference is contained in QEP 200-T2 which associates the EAL's with applicable station procedures.
2. A preface is contained in front of the QGA and QOA procedure manuals which lists those procedures which relate to GSEP events. The preface instructs the reactor operator to inform the Shift Engineer of a condition requiring possible classification as a GSEP event.

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OCT 25 1983
O.C.Q.S.R.

F. PROCEDURE

1. Classify the event as either a Transportation Accident, Unusual Event, Alert, Site Emergency, or General Emergency using the EAL Table, QEP 200-T1.
2. Perform notifications as follows:
 - a. Transportation Accident:
 - (1) Notify System Power Dispatcher, using the NARS Form. Fill out as much as possible on the form. Instructions on how to fill out the form are given in step F.3 of this procedure.
 - (2) Notify On-Call Duty Person to initiate appropriate GSEP Station Group activation. Refer to QEP 310-T1 for notification scheme.
 - (3) Notify NRC Operations Center using Red Phone.
 - (4) Await further GSEP instructions.
 - b. Unusual Event:
 - (1) Notify System Power Dispatcher, using the NARS Form. Fill out as much as possible on the form. Instructions on how to fill out the form are given in step F.3 of this procedure.
 - (2) Notify On-Call Duty Person to initiate appropriate GSEP Station Group activation. Refer to QEP 310-T1 for notification scheme.
 - (3) Notify NRC Operations Center using Red Phone.
 - (4) Perform necessary immediate and subsequent corrective actions. Await further GSEP instructions.
 - c. Alert:
 - (1) Notify System Power Dispatcher, using the NARS Form if Corporate Command Center is not manned. Otherwise, notify the Corporate Command Center. Fill out as much as possible on the NARS Form. Instructions on how to fill out the form are given in step F.3 of this procedure.
 - (2) Notify On-Call Duty Person to initiate appropriate GSEP Station Group activation. Refer to QEP 310-T1 for notification scheme.
 - (3) Notify NRC Operations Center using Red Phone.
 - (4) Perform necessary immediate and subsequent corrective actions. Await further GSEP instructions.

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OCT 25 1983

O.C.O.S.R.

d. Site Emergency:

- (1) Notify System Power Dispatcher, using the NARS Form if Corporate Command Center is not manned. Otherwise, notify the Corporate Command Center. Fill out as much as possible on the NARS Form. Instructions on how to fill out the form are given in step F.3 of this procedure.
- (2) Sound the assembly/evacuation siren. Refer to QEP 360-2 and QEP 360-3.
- (3) Notify On-Call Duty Person to initiate appropriate GSEP Station Group activation. Refer to QEP 310-T1 for notification scheme.
- (4) Notify NRC Operations Center using Red Phone.
- (5) Perform necessary immediate and subsequent corrective actions. Await further GSEP instructions.

e. General Emergency:

- (1) Notify System Power Dispatcher, state and local agencies with the NARS Form if Corporate Command Center is not manned. Use the NARS (green) phone, dial 23. Otherwise, notify the Corporate Command Center. Fill out as much as possible on the NARS Form. Instructions on how to fill out the form are given in step F.3 of this procedure. Use QEP 180-T2 to determine offsite protective actions.
- (2) Sound the assembly/evacuation siren. Refer to QEP 360-2 and QEP 360-3.
- (3) Notify On-Call Duty Person to initiate appropriate GSEP Station Group activation. Refer to QEP 310-T1 for notification scheme.
- (4) Notify NRC Operations Center using Red Phone.

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OCT 25 1983
O.C.O.S.R.

- (5) If the Corporate Command Center or the EOF have not been activated notify state and local agencies. Using the NARS (Green) Phone, Dial 23. Notify all parties utilizing the NARS Form.

NOTE

In the case of a General Emergency, the responsible state and local governmental agencies are to be notified within 15 minutes after declaring the condition as a General Emergency. The necessary time should be taken to accurately determine the condition of the emergency, and once the condition is officially declared, the Red Phone and NARS Phone notifications must be completed within 15 minutes. It is not prudent, however, to use excessive amounts of time to classify the emergency and to avoid the inevitable timely notifications that must be made for a General Emergency GSEP classification.

- (6) Perform necessary immediate and subsequent corrective actions. Await further GSKP instructions.
3. NARS Form. Using the letter designations in each of the sections of the NARS form, describe the information as follows:
- a. Fill in the time and date in upper left corner. This information is not transmitted. It is the time and date the NARS message is received.
 - b. Section 1 - Classify status.
 - c. Section 2 - Name the site affected. (IPRA Vol # is for the state of Illinois use.)
 - d. Section 3 - Classify accident using GSEP, its annex, and QEP 200-T1.
 - e. Section 4 - Release status.
 - (1) "X" [A] None if there is no potential for a release, A release is not occurring, or a release has terminated.
 - (2) "X" [B] Potential if there is a possibility of a release occurring. Considering the actual or potential degradation of the affected station.
 - (3) "X" [C] OCCURRING if a release is in progress.
 - (4) "X" [D] TERMINATED if a release HAD occurred and HAS been terminated.

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OCT 25 1983
O.C.O.S.R.

- f. Section 5 - Classify type of release.
- g. Section 6 - write the time and date the incident occurred at the affected station.
- h. Section 7 - write the time and date the accident was classified by the authorized individual.

NOTE

As the GSEP facilities are activated the authority to classify an accident will shift.

Authority to
Classify an
Accident

	GSEP Facilities Activated			
	CR	TSC	CCC	EOF
Shift Engineer *	X			
Station Director	X	X		
CCC Director			X	
Recovery Manager				X

*The Shift Engineer is normally the initial GSEP Station Director and as such has the authority for the initial classification of an accident and recommending protective actions.

- i. Section 8 - Wind data. Fill in direction wind is from. Check one only. Read across.
- j. Section 9 - Recommended protection actions.
 - (1) Check Box A if there is no action expected of governmental officials. This would most likely occur during an Unusual Event but could apply to the Alert or Transportation Accident Classes.
 - (2) Check Box B if you advise the governmental officials to prepare for future action involving the public. This is most likely to occur during an Alert or a Site Area Emergency but could apply to a Transportation Accident.
 - (3) Check Box C and indicate the recommended protective action if the public is to be involved. This is most likely to occur for a Site Area or General Emergency and Transportation Accident. Reference flow chart for initial PAG's and GSEP Table 6.3-1. In Wisconsin and Iowa protective actions beyond two miles in the three downwind sectors are taken, not to a fixed 5 to 10 miles distance as in Illinois, but to a distance R. R is the range, to the next whole mile, at which the projected dose is 1 rem whole body or 5 rem thyroid.

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OCT 25 1983
O.C.O.S.R.

- (4) If there is a release of radioactivity in liquid sufficient to create a Site or General emergency, check Box L and give the name of the nearest downstream public water intake:

QC - Quad City Area (E. Moline, etc.)

- (5) Check Box M if there is a General Emergency involving a gaseous release and specify the distance as 10 miles.

- k. Section 10 - Self explanatory.
- l. Section 11 - If you are sending a NARS message give the NARS code. If you are receiving a NARS message, enter it in the box. Be sure to ask for it if the sender omits it.
- m. Section 12 - Self-explanatory.
- n. Section 13 - If you receive a NARS message be sure to verify the initial call. Verification of subsequent calls related to the same event is optional.
- o. Section 14 - Self-explanatory. Enter if known; if not, find out ASAP.
- p. Completed NARS forms (both copies) are forwarded to the GSEP Coordinator.

NOTE

Use QEP 310-T4, Flow Chart for NARS Notification, to aid in completing NARS form.

4. Prioritization of Tasks for RCT Personnel: Samples should be obtained in the order listed in QEP 180-T1 if practicable.

G. CHECKLISTS

1. None.

H. TECHNICAL SPECIFICATION REFERENCES

1. None.

ID/20,2P

RAD/CHEM DIRECTOR

<u>180-0</u> Rad/Chem Director	Rev. 5	10-25-83
<u>180-1</u> Rad/Chem Director Implementing Procedure	Rev. 4	10-14-82
<u>180-T1</u> RCT Task Prioritization	Rev. 1	10-25-83
<u>180-T2</u> Flow Chart for Rapid Off-Site Protective Decisions	Rev. 1	10-25-83

APPROVED
CCT 25 1983
Q.C.O.S.R.

ID/3V

RCT TASK PRIORITIZATION

SYMPTOMS	SAMPLING TASKS
<p>A. High Radiation Containment Monitors indicate high Primary Containment Activity. Main Chimney and Reactor Vent Gaseous Effluent Monitors indicate no increase.</p> <p>B. Shift Engineer concludes there has been a loss of 1 or more fission product barriers:</p> <ol style="list-style-type: none"> 1. Cladding Failure. 2. +2 psig Drywell Pressure and -59 inches Vessel Level. 3. Loss of Primary Containment. <p>C. Indication of Loss of Coolant Accident.</p> <ol style="list-style-type: none"> 1. Inside Containment. 2. Outside Containment. <p>D. Fuel Handling Accident with damage to irradiated fuel and Refuel Floor ARM \geq 100 mR/hr.</p> <ol style="list-style-type: none"> 1. Standby Gas Treatment System Operational and Secondary Containment Isolation Effective. 2. Standby Gas Treatment System not Operational or Secondary Containment Isolation Ineffective. 	<p>A. Containment, Coolant.</p> <p>B.1. Coolant, Containment.</p> <p>B.2. Coolant, containment.</p> <p>B.3. Containment, Reactor Vent.</p> <p>C.1. Containment, Coolant.</p> <p>C.2. Reactor Vent, Main Chimney, Coolant.</p> <p>D.1. Main, Chimney Reactor Vent.</p> <p>D.2. Reactor Vent, Main Chimney.</p>

APPROVED
OCT 25 1983
O.C.O.S.R.

SYMPTOMS	SAMPLING TASKS
<p>E. Radioactivity Effluent Release from the Plant.</p> <ol style="list-style-type: none"> 1. Gaseous Effluent Release from Main Chimney in excess of Technical Specification Instantaneous Release Limit. 2. Gaseous Effluent Release from Reactor Vent in excess of Technical Specification Instantaneous Release Limit. 3. Liquid Effluents concentration of gross beta activity above background in discharge bay in excess of Technical Specifications. 4. Liquid Effluents concentration of Isotopic in the Discharge Bay in excess of 10 CFR 20 Appendix B Table II, Column 2 MPCw Limits. 	<p>E.1. Main Chimney.</p> <p>E.2. Reactor Vent.</p> <p>E.3. Discharge Bay.</p> <p>E.4. Discharge Bay.</p> <p style="text-align: right;">APPROVED OCT 25 1983 O.C.O.S.R.</p>

ID/4Y

FLOW CHART FOR RAPID OFF-SITE PROTECTIVE DECISIONS

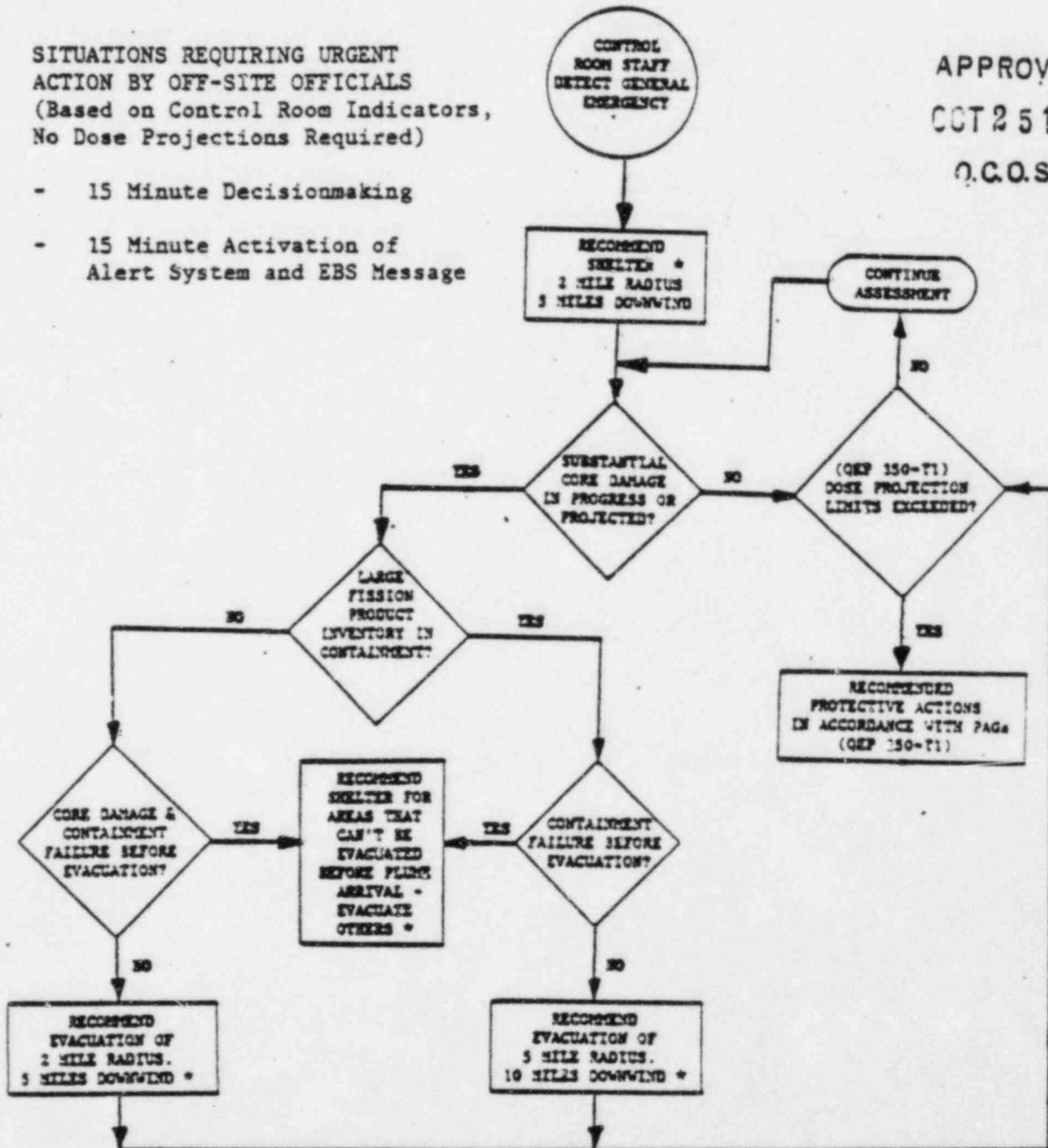
QEP 180-T2
Revision 1
October 1983

The following actions will be based on observable instrumentation and plant status indicators (EALS) in the Emergency Plan and reviewed by off-site officials.

- * SITUATIONS REQUIRING URGENT ACTION BY OFF-SITE OFFICIALS
(Based on Control Room Indicators, No Dose Projections Required)

- 15 Minute Decisionmaking
- 15 Minute Activation of Alert System and EBS Message

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SOURCE: Appendix 1, NUREG-0654/FEMA-REP-1, Rev. 1

For all evacuations, shelter the remainder of the plume EPZ and relocate the population affected by any ground contamination promptly following plume passage.

ID/2Q,2R

NOTIFICATION OF
RESPONSIBLE AUTHORITIES


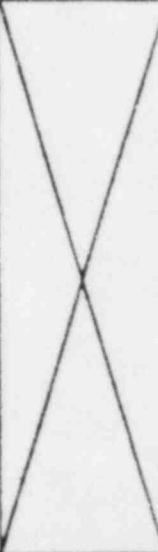
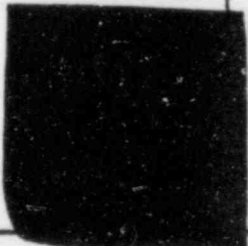

<u>310-0</u> Notification of Responsible Authorities	Rev. 18	11-03-83
<u>310-1</u> Initial Notification	Rev. 7	10-13-83
<u>310-T1</u> Guidance for Augmentation of the On-Site Emergency Organization within 30 Minutes	Rev. 6	05-20-83
<u>310-T2</u> State of Illinois Nuclear Accident Reporting System Form	Rev. 2	08-17-83
<u>310-T3</u> Prioritized Notification Listing	Rev. 10	11-03-83
<u>310-T4</u> Flow Chart for NARS Notification	Rev. 1	08-17-83

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PRIORITIZED NOTIFICATION LISTING

QEP 310-T3
Revision 10
October 1983

ID/5A


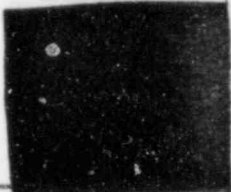
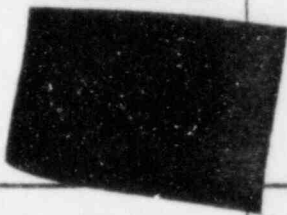

			TIME CONTACTED	EST. TRAVEL TIME
ON-CALL DUTY PERSON				
<u>Name</u>		<u>Home Phone</u>		
R. L. Bax				
F. J. Geiger				
L. F. Gerner				
R. A. Robey				
G. F. Spedl				
T. K. Tamlyn				
G. C. Tietz				
STATION DIRECTOR				
<u>Name</u>	<u>Priority</u>	<u>Home Phone</u>		
N. J. Kalivianakis	1			
T. K. Tamlyn	2			
L. F. Gerner	3			
R. L. Bax	4			
OPERATIONS DIRECTOR				
<u>Name</u>	<u>Priority</u>	<u>Home Phone</u>		
T. K. Tamlyn	1			
R. A. Robey	2			
G. F. Spedl	3			
F. J. Geiger	4*			

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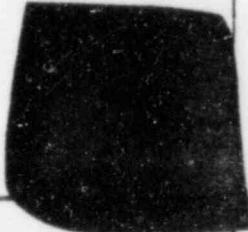
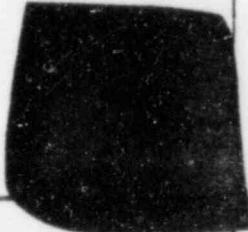
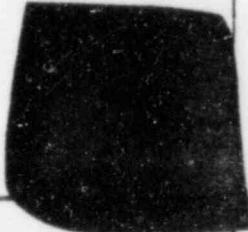
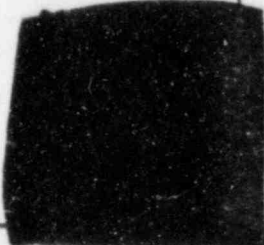
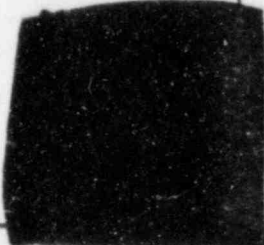
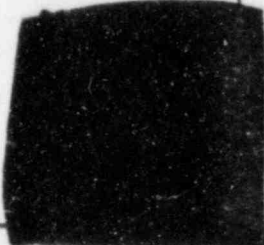



			TIME CONTACTED	EST. TRAVEL TIME
TECHNICAL DIRECTOR				
<u>Name</u>	<u>Priority</u>	<u>Home Phone</u>		
G. C. Tietz	1			
J. H. Schnitzmeyer	2			
H. G. Lihou	3			
MAINTENANCE DIRECTOR				
<u>Name</u>	<u>Priority</u>	<u>Home Phone</u>		
R. L. Bax	*1			
G. R. Price	2			
D. G. Rajceovich	3			
D. G. Van Pelt	4			
STORES DIRECTOR				
<u>Name</u>	<u>Priority</u>	<u>Home Phone</u>		
L. G. Butterfield	1			
S. L. Simpson	2			
D. L. Noe	3			
ADMINISTRATIVE DIRECTOR				
<u>Name</u>	<u>Priority</u>	<u>Home Phone</u>		
R. J. Visin	1			
F. B. Faley	2			
Z. A. Rudy	3			

*This person should be notified first, even though he is unable to be on-site within 30 minutes. Then, notify the Maintenance Director by priority to come to the site to augment the Station staff.

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			TIME CONTACTED	EST. TRAVEL TIME
SECURITY DIRECTOR				
<u>Name</u>	<u>Priority</u>	<u>Home Phone</u>		
G. J. Toleski	1			
J. R. Wunderlich	2			
K. L. Leech	3			
RAD-CHEM DIRECTOR				
<u>Name</u>	<u>Priority</u>	<u>Home Phone</u>		
T. J. Kovach	1			
J. E. Sirovy	2			
W. A. Bielascio	3			
ENVIRONS DIRECTOR				
<u>Name</u>	<u>Priority</u>	<u>Home Phone</u>		
R. L. Carson	1			
K. M. Hall	2			
M. A. Frazier	3			
MAINTENANCE CALLER				
(These personnel may be used to augment the Maintenance Director list above.)				
<u>Name</u>		<u>Home Phone</u>		X
J. F. Fish				
D. F. Thayer				
H. W. Wilson				


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	TIME CONTACTED	EST. TRAVEL TIME																		
<p align="center">TECH STAFF CALLER</p> <p align="center">(These personnel may be used to augment the Technical Director list above.)</p> <table border="0"> <thead> <tr> <th><u>Name</u></th> <th><u>Home Phone</u></th> </tr> </thead> <tbody> <tr> <td>D. G. Clark</td> <td rowspan="4"></td> </tr> <tr> <td>D. W. Jessen</td> </tr> <tr> <td>E. E. Mendenhall</td> </tr> <tr> <td>P. D. Knoespel</td> </tr> </tbody> </table>	<u>Name</u>	<u>Home Phone</u>	D. G. Clark		D. W. Jessen	E. E. Mendenhall	P. D. Knoespel													
<u>Name</u>	<u>Home Phone</u>																			
D. G. Clark																				
D. W. Jessen																				
E. E. Mendenhall																				
P. D. Knoespel																				
<p align="center">RAD-CHEM CALLER</p> <p align="center">(These personnel may be used to augment the Rad-Chem or Environs Director lists above, or the Rad-Chem Call List on page 6.)</p> <table border="0"> <thead> <tr> <th><u>Name</u></th> <th><u>Home Phone</u></th> </tr> </thead> <tbody> <tr> <td>R. A. Wiebenga</td> <td rowspan="5"></td> </tr> <tr> <td>P. A. Behrens</td> </tr> <tr> <td>R. J. Leson</td> </tr> <tr> <td>V. J. Neels</td> </tr> <tr> <td>J. C. Dierickx</td> </tr> </tbody> </table>	<u>Name</u>	<u>Home Phone</u>	R. A. Wiebenga		P. A. Behrens	R. J. Leson	V. J. Neels	J. C. Dierickx												
<u>Name</u>	<u>Home Phone</u>																			
R. A. Wiebenga																				
P. A. Behrens																				
R. J. Leson																				
V. J. Neels																				
J. C. Dierickx																				
<p align="center">ELECTRICAL MAINTENANCE CALL LIST</p> <p align="center">(Notify 1 EM to arrive in less than 30 min)</p> <table border="0"> <thead> <tr> <th><u>Name</u></th> <th><u>Priority</u></th> <th><u>Home Phone</u></th> </tr> </thead> <tbody> <tr> <td>D. G. Van Pelt</td> <td>1</td> <td rowspan="7"></td> </tr> <tr> <td>R. J. Vess</td> <td>2</td> </tr> <tr> <td>B. J. Maze</td> <td>3</td> </tr> <tr> <td>W. A. Krause</td> <td>4</td> </tr> <tr> <td>D. L. Meyer</td> <td>5</td> </tr> <tr> <td>H. W. Chrisman</td> <td>6</td> </tr> <tr> <td>C. W. Elsasser</td> <td>7</td> </tr> </tbody> </table>	<u>Name</u>	<u>Priority</u>	<u>Home Phone</u>	D. G. Van Pelt	1		R. J. Vess	2	B. J. Maze	3	W. A. Krause	4	D. L. Meyer	5	H. W. Chrisman	6	C. W. Elsasser	7		
<u>Name</u>	<u>Priority</u>	<u>Home Phone</u>																		
D. G. Van Pelt	1																			
R. J. Vess	2																			
B. J. Maze	3																			
W. A. Krause	4																			
D. L. Meyer	5																			
H. W. Chrisman	6																			
C. W. Elsasser	7																			


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			TIME CONTACTED	EST. TRAVEL TIME
<p>MECHANICAL MAINTENANCE CALL LIST (Notify 1 MM to arrive in less than 30 min)</p>				
<u>Name</u>	<u>Priority</u>	<u>Home Phone</u>		
G. R. Price	1			
D. F. Thayer	2			
F. D. Delk	3			
J. F. Fish	4			
H. W. Wilson	5			
R. C. Schofield	6			
J. E. Koenes	7			
J. A. Weaver	8			
G. L. Hayes	9			
T. B. Pettit	10			
C. L. Edmondson	11			
K. E. Sondgeroth	12			
G. B. Hattan	13			
G. L. Donoho	14			
M. A. Jurgensen	15			
W. A. Pottenger	16			
J. E. Petryshyn	17			
D. F. Blaufuss	18			
<p>INSTRUMENT MAINTENANCE CALL LIST (Notify 1 IM to arrive in less than 30 min)</p>				
<u>Name</u>	<u>Priority</u>	<u>Home Phone</u>		
D. G. Rajceovich	1			
R. P. Soenksen	2			
C. L. Richardson	3			
A. J. Schmidt	4			
M. R. Blann	5			

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			TIME CONTACTED	EST. TRAVEL TIME
<p style="text-align: center;">RAD-CHEM CALL LIST (Notify 11 (include those on shift) to arrive in less than 30 minutes)</p>				
<u>Name</u>	<u>Priority</u>	<u>Home Phone</u>		
J. McMillan	1			
A. Schabilion	2			
J. Piercy	3			
T. Bush	4			
A. O'Horo	5			
M. Zinnen	6			
R. Tank	7			
R. Moore	8			
R. Hebler	9			
S. Horvath	10			
P. Skiermont	11			
Charles Brown	12			
Cecil Brown	13			
J. Dishman	14			

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			TIME CONTACTED	EST. TRAVEL TIME
<p>RCT CALL LIST (may be used to augment Rad/Chem call list if 11 cannot be contacted)</p>				
<u>Name</u>	<u>Priority</u>	<u>Home Phone</u>		
L. P. Geerts	15			
P. M. O'Brien	16			
M. J. Hesse	17			
G. D. Rankin	18			
J. C. Rasso	19			
J. L. Woods	20			
M. E. Field	21			
S. D. Workman	22			
D. E. Bielema	23			
J. L. Frechette	24			
J. W. Rosenow	25			
J. J. Daubard	26			
T. M. De May	27			
D. H. Frazier	28			
S. R. Weber	29			
R. L. Cadogan	30			
W. F. Schmidt	31			
D. C. Wright	32			
L. C. Williams	33			
J. R. King	34			
D. L. Heitzler	35			
K. D. Anderson	36			
M. H. Curtis	37			
G. R. Webster	38			



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O.C.O.S.R.			TIME CONTACTED	EST. TRAVEL TIME
TECH STAFF-NUCLEAR CALL LIST (Notify 1 to arrive in less than 30 min)				
<u>Name</u>	<u>Priority</u>	<u>Home Phone</u>		
P. D. Knoespel	1			
M. L. Reed	2			
K. P. Donovan	3			
J. P. Hoeller	4			
E. B. Weinfurter	5			
TECH STAFF-MECHANICAL/ELECTRICAL CALL LIST (Notify 2 to arrive in less than 30 min)				
<u>Name</u>	<u>Priority</u>	<u>Home Phone</u>		
H. G. Lihou	1			
S. W. Reynolds	2			
J. B. Eagle	3			
D. B. Cook	4			
K. K. Medulan	5			
F. R. Kaepfel	6			
A. A. Fuhs	7			
C. A. Iben	8			
P. D. Todd	9			
H. Q. Do	10			
TECH STAFF-SPECIAL PROJECTS CALL LIST (May be used to augment the M/E list above.)				
<u>Name</u>	<u>Priority</u>	<u>Home Phone</u>		
E. E. Mendenhall	1			
D. L. Wilgus	2			
D. W. Jessen	3			
R. D. Buss	4			
A. L. Misak	5			
G. T. Carney	6			
W. L. Leaverton	7			
R. K. Rustick	8			

		TIME CONTACTED	EST. TRAVEL TIME
G. E. SITE REPRESENTATIVE			
<u>Name</u>	<u>Home Phone</u>		
J. S. Flood			
RADWASTE CALL LIST (Notify 1 to arrive in less than 30 min)			
<u>Name</u>	<u>Priority</u>	<u>Home Phone</u>	
J. W. Forrest	1**		
G. W. Klone	2		
R. J. Thompson	3		
A. A. Griffiths	4**		
R. L. Petri	5**		
H. E. Gnoske	6		
M. J. Fecht	7		

** - If this is a drill, call only these people. Use entire list for actual event.

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QEP 410-0
Revision 2
October 1983

ID/3E,3F

CONTROL ROOM

410-0
Control Room

Rev. 2 10-25-83

410-1
Control Room

Rev. 2 10-25-83

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CONTROL ROOM

QEP 410-1
Revision 2
September 1983

ID/3S

A. PURPOSE

The purpose of this procedure is to outline the method to govern operation of the control room during emergencies.

B. REFERENCES

1. GSEP Section 7.1.1.
2. GSEP-QCA Section 7.1.1.
3. QAP 1900-3, Control Room Access section.
4. QAP 300-1, Operations Department Organization.
5. QAP 300-2, Conduct of Shift Operations.
6. QCA 5750-13, Toxic Air or Smoke in the Control Room.

C. PREREQUISITES

1. None.

D. PRECAUTIONS

1. None.

E. LIMITATIONS AND ACTIONS

1. None.

F. PROCEDURE

1. The Control Room is the initial center for emergency control. The initial aspects of an emergency are evaluated and controlled. Activities are initiated that are necessary to handle the initial phases of the emergency until the TSC and OSC are activated. These activities include:
 - a. Evaluation of the magnitude and consequences of an accident.
 - b. Initial corrective action.
 - c. Initial notification of offsite agencies in the event of a General Emergency.
2. Procedure QAP 1900-3 outlines the access to the control room.

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3. QAP 300-1 and 2 give information regarding command and control functions from the Control Room.
4. Procedure QOA 5750-13 outlines the actions to be taken in the event of toxic air or smoke in the Control Room.

G. CHECKLISTS

1. None.

H. TECHNICAL SPECIFICATION REFERENCES

1. None.

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ID/2A,2B

ADMINISTRATIVE

510-0
Administrative

Rev. 6 10-22-83

510-1
Document Control and Review

Rev. 2 01-26-81

510-2
Off-Site Agency Support

Rev. 1 12-17-80

510-T1
Agencies to be Sent Agreement Letters

Rev. 4 10-22-83

510-T2
Suggested Text for Off-Site
Agency Agreement Letters

Rev. 1 12-17-80

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QEP 510-T1
Revision 4
October 1983

AGENCIES TO BE SENT
AGREEMENT LETTERS

ID/31

Dr. Phillip Gustafson
Illinois Department of Nuclear Safety
1035 Outer Park Drive
Springfield, IL 62706
217-546-8100

Mr. Robert H. Bauer
United States Department of Energy
Chicago Operations Office
9800 South Cass Avenue
Argonne, IL 60439
312-972-2000

Captain Jack Keleher
District #7 - Commander
Illinois State Police
300 Hillcrest Road
East Moline, IL 61244
309-755-0428

Mr. Terry Steiger
Emergency Operations Manager
U.S. Army Corps of Engineers
Rock Island District
Clock Tower Building
Rock Island, IL 61201
309-788-6361

Mr. E. Erie Jones
Director
State of Illinois Emergency Services
and Disaster Agency
110 East Adams Street
Springfield, IL 62706
217-782-4268

Chief Leroy Schipper
Albany Fire Department
Albany, IL 61230
309-887-4451

Mr. John C. Stiegel
Civil Defense
City of East Moline
915 Sixteenth Street
East Moline, IL 61244
309-755-5051

Mr. Mark E. Barnes, Director
Clinton County Office of Civil
Defense and Disaster Services
Clinton County City Law Enforcement
Center
Clinton, IA 52732
319-242-5712

Mr. H. L. Whitfield, Director
Scott County - Municipal Civil
Defense and Disaster Services
Agency
Scott County Court House
Davenport, IA 52801
319-326-8663

Mr. L. L. Kimmel
Whiteside County Sheriff
Law Enforcement Center
Morrison, IL 61270
815-772-4044

Lieutenant Harry Weiss
Iowa State Patrol Post #1
3112 East Kimberly Road
Davenport, IA 52807
319-359-0388

Mr. Gordy Powell
Rock Island County Sheriff
P.O. Box 306
Rock Island, IL 61201
309-794-1230

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OCT 22 1983
Q.C.O.S.H

Mr. Tyler Schoenhern
Moline Public Hospital
635 Tenth Avenue
Moline, IL 61265

Mr. Harlan Poel
Fire Chief
P.O. Box 6
Cordova, IL 61242
309-654-2194

Mr. Leon Gibson
Dailey/Gibson Funeral Home
202 North Main Street
Port Byron, IL 61275
309-523-3151

Mr. Karl H. Schafer
Iowa-Illinois Gas and Electric
P. O. Box 4350
206 East Second Street
Davenport, IA 52808
319-326-7065

Mr. John D. Crandall, Director
Iowa Office of Disaster Services
Hoover State Office Building
Room A-29
Des Moines, IA 50319
515-281-3231

Mr. Thomas Linneman
Radiation Management Corporation
3508 Market Street
Philadelphia, PA 19104
215-243-2948

Mr. John Murray
Murray and Trettal
414 West Frontage Road
Northfield, IL 60093
312-273-5600

Mr. Leo Huebner
Teledyne Isotopes
Midwest Laboratory
1500 Frontage Road
Northbrook, IL 60062
312-564-0700

Ms. Jeanine Mac Donald
R.S. Landauer, Jr. and Company
Glenwood Science Park
Glenwood, IL 60425
312-755-7000

Mr. Gary E. Larson
Illini Hospital Ambulance Service
801 - 13th Avenue
Silvis, IL 61282
309-792-9363

Commanding Officer
U.S. Coast Guard Marine Safety Office
210 N. Tucker Blvd., Suite 1128
St. Louis, MO 63101
314-425-4657

Supervisor
U.S. Coast Guard Marine Safety Detachment
Federal Building, Room 106
131 E. 4th Street
Davenport, IA 52801
319-322-6297

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ID/2C,2D

TRAINING

520-0
Training

Rev. 8 10-22-83

520-1
Training Procedure

Rev. 3 08-19-82

520-2
Training for Off-Site Support Agencies

Rev. 2 08-10-81

520-S1
Procedure Deleted

Rev. 2 08-19-82

520-T1
Agencies to be Sent Training Invitations

Rev. 4 10-22-83

520-T2
Suggested Text for Off-Site Agency
Meeting and Training Invitation Letter

Rev. 1 12-17-80

520-T3
Suggested Text for Off-Site
Agency Meeting Invitation Letter

Rev. 1 12-17-80

520-T4
Suggested Text for Off-Site
Agency Training Invitation Letter

Rev. 1 12-17-80

520-T5
QEP Training Requirements for GSEP
Directors and Alternates

Rev. 1 08-19-82

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AGENCIES TO BE SENT
TRAINING INVITATIONS

QEP 520-T1
Revision 4
October 1983

ID/3H

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Illinois Department of Nuclear Safety
1035 Outer Park Drive
Springfield, IL 62706
217-546-8100

Mr. Robert H. Bauer
United States Department of Energy
Chicago Operations Office
9800 South Cass Avenue
Argonne, IL 60439
312-972-2000

Captain Jack Keleher
District #7 - Commander
Illinois State Police
300 Hillcrest Road
East Moline, IL 61244
309-755-0428

Mr. Terry Stieger
Emergency Operations Planner
U.S. Army Corps of Engineers
Rock Island District
Clock Tower Building
Rock Island, IL 61201
309-788-6361

Mr. E. Erie Jones
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and Disaster Agency
110 East Adams Street
Springfield, IL 62706
217-782-4268

Mr. Warren C. Hallgren
Rock Island County Emergency
Services and Disaster Agency
6120 - 78th Avenue
Milan, IL 61264
309-799-5166

Mr. Stewart Richter
Whiteside County Emergency
Services and Disaster Agency
Court House
Morrison, IL 61270
815-772-2800

Mr. John C. Stiegel
Civil Defense
City of East Moline
915 Sixteenth Street
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OCT 22 1983
Q.C.Q.S.R.

Mr. Tyler Schoenhern
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Mr. Karl H. Schafer
Iowa-Illinois Gas and Electric
P.O. Box 4350
206 East Second Street
Davenport, IA 52808
319-326-7065

Mr. Paul Sereg
Regional Coordinator ESDA
Region 2
421 West First Street
Dixon, IL 61021
815-288-1455

Commanding Officer
U.S. Coast Guard Marine Safety Office
210 N. Tucker Blvd. Suite 1128
St. Louis, MO 63101
314-425-4657

Supervisor
U.S. Coast Guard Marine Safety Detachment
Federal Building, Room 106
131 E. 4th Street
Davenport, Iowa 52801
319-322-6297

Mayor William Kouski
P.O. Box 6
Cordova, IL 61242
309-654-2376

Mr. Gary E. Larson
Illini Hospital Ambulance Service
801 - 13th Avenue
Silvis, IL 61282
309-792-9363

Mr. Harlan Poel
Fire Chief
P. O. Box 6
Cordova, IL 61242
309-654-2194

Mr. Thomas Linneman
Radiation Management Corporation
3508 Market Street
Philadelphia, PA 19104
215-243-2948

Mr. Leo Huebner
Teledyne Isotopes
Midwest Laboratory
1500 Frontage Road
Northbrook, IL 60062
312-564-0700

Mr. James G. Keppler
Regional Administrator
U. S. Nuclear Regulatory Commission
Region III
799 Roosevelt Road
Glen Ellyn, IL 60137
312-932-2500

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OCT 22 1983
Q.C.Q.S.R.

ID/2I,2J

TELEPHONE DIRECTORIES

700-0
Telephone Directories

Rev. 9 10-22-83

700-T2
Employee List

Rev. 4 02-10-83

700-T3
Supplemental Phone Listing

Rev. 6 10-22-83

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OCT 22 1983
Q.C.Q.S.R.

SUPPLEMENTAL PHONE LISTING

QEP 700-T3
Revision 6
September 1983

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)	
Illinois Dept. of Public Health	
U.S. Coast Guard (Davenport, IA)	
U.S. Coast Guard (St. Louis, MO)	
NRC Region III	
51st Ordinance Unit, Ft. Sheridan, IL	
F.B.I.	
Army Corps of Engineers	
NRC (Washington)	
Rock Island County Sheriff	
Iowa Emergency Services	
Illinois Emergency Services	
Cordova Police	
Albany Police	

Outside number to EOF

Outside numbers to TSC

Weather Service Office
(Moline Airport)

General Electric Emergency Support
American Nuclear Insurers

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OCT 22 1983

Q.C.Q.S.R.