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Quad Cities Generating Station
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June 16, 2000

SVP-00-108

U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D.C. 20555

Quad Cities Nuclear Power Station, Units 1 and 2
Facility Operating License Nos. DPR-29 and DPR-30
NRC Docket Nos. 50-254 and 50-265

Subject: Changes to Emergency Plan Implementation Procedures

In accordance with 10 CFR 50, Appendix E, "Emergency Planning and Preparedness for Production and Utilization Facilities," Quad Cities Station is submitting the following Emergency Plan Procedures. Attachment A, "Summary of Changes," contains a brief summary of the changes to the following procedures:

QEP 0150-00	"Radiation Protection Director," Revision 49
QEP 0150-T09	"Protective Action Recommendations," Revision 10
QEP 0300-00	"Notifications," Revision 58
QEP 0300-T01	"Nuclear Accident Reporting System (NARS) Completion Instructions," Revision 21
QEP 0100-00	"Acting Station Director (Shift Engineer)," Revision 34
QEP 0100-T01	"GSEP Emergency Procedures Implementation Guide," Revision 19
QEP 0100-T02	"Predetermined Protective Action Recommendations (PAR's) For Control Room," Revision 13
QEP 0125-00	"Administrative Director," Revision 31
QEP 0125-S05	"TSC Operations Checklist," Revision 13
QEP 0400-00	"On-Site Response Actions," Revision 50
QEP 0400-S02	"Site Evacuation Checklist," Revision 15
QEP 0400-S05	"OSC Team Request Form," Revision 12
QEP 0400-S06	"OSC Team Briefing Form," Revision 7
QEP 0400-T02	"Site Evacuation Map," Revision 7

Attachment B, "Revised procedures," contains the procedures.

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Should you have any questions concerning this letter, please contact
Mr. C.C. Peterson at (309) 654-2241, extension 3609.

Respectfully,

A handwritten signature in cursive script, appearing to read "Joel P. Dimmette, Jr.", followed by a horizontal line.

Joel P. Dimmette, Jr.
Site Vice President
Quad Cities Nuclear Power Station

Attachments:

Attachment A: Summary of Changes
Attachment B: Revised Procedures

cc: Regional Administrator – NRC Region III
NRC Senior Resident Inspector – Quad Cities Nuclear Power Station

Attachment A, Summary of Changes
Page 1 of 2

Procedures:

QEP 0150-00 "Radiation Protection Director," Revision 49
QEP 0300-00 "Notifications," Revision 58
QEP 0100-00 "Acting Station Director (Shift Engineer)," Revision 34
QEP 0125-00 "Administrative Director," Revision 31
QEP 0400-00 "On-Site Response Actions," Revision 50

Description of Change:

Administrative changes to reflect current procedure revisions.

Procedure:

QEP 0100-T01 "GSEP Emergency Procedures Implementation Guide," Revision 19

Description of Change

Provides additional guidance on PA announcements for event classification and TSC/OSC activation

Procedure:

QEP 0100-T02 "Predetermined Protective Action Recommendations (PAR's) For Control Room," Revision 13

Description of Change:

Integrated release criteria into PAR flow chart

Procedure:

QEP 0125-S05 "TSC Operations Checklist," Revision 13

Description of Change:

Eliminated "Minimum Supplies" checklist and referenced added to supplies located in storage room.

Procedure:

QEP 0150-T09 "Protective Action Recommendations," Revision 10

Description of Change:

Decision points for release status inserted on PAR flowchart.

Procedure:

QEP 0400-T02 "Site Evacuation Map," Revision 7

Description of Change:

Inserted a map for Byron station

Attachment A, Summary of Changes
Page 2 of 2

Procedure:

QEP 0300-T01 "Nuclear Accident Reporting System (NARS) Completion Instructions,"
Revision 21

Description of Change:

Revised instruction to NGG standardized procedure

Procedure:

QEP 0400-S02 "Site Evacuation Checklist," Revision 15

Description of Change:

Provides instructions on the use of Byron station as an alternate relocation center

Procedures:

QEP 0400-S05 "OSC Team Request Form," Revision 12

QEP 0400-S06 "OSC Team Briefing Form," Revision 7

Description of Change:

Inserts latest revision of NGG standardized form

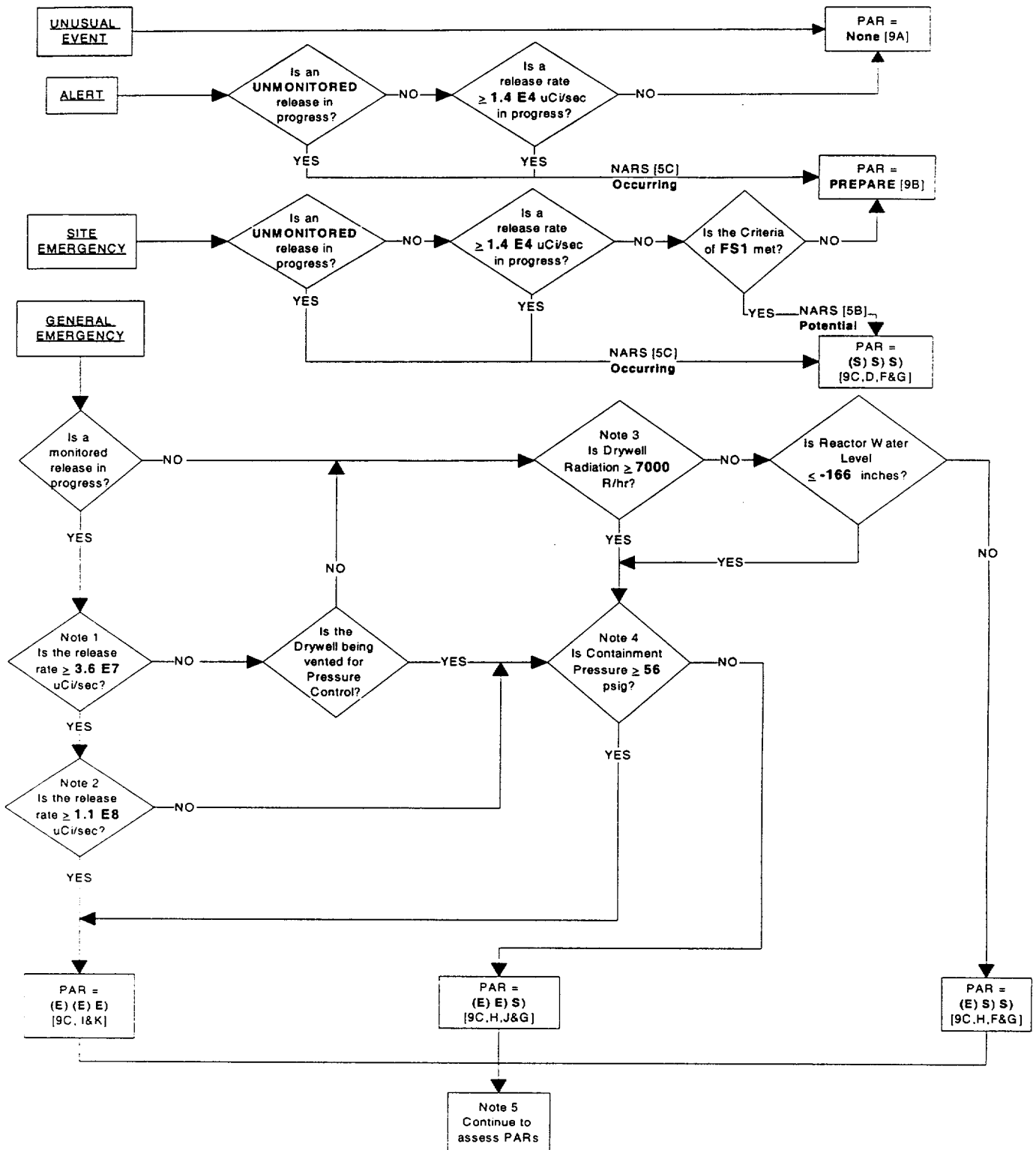
Attachment B, Revised Procedures

RADIATION PROTECTION DIRECTOR

<u>QEP 0150-00</u> Radiation Protection Director	Rev. 49	05-22-00
<u>QEP 0150-01</u> Radiation Protection Director Implementing Procedure	Rev. 10	05-13-99
<u>QEP 0150-02</u> Onsite Radiation Protection Controls	Rev. 3	02-09-96
<u>QEP 150-3</u> Procedure Deleted (no longer needed)	Rev. 5	12-29-93
<u>QEP 150-4</u> Procedure Deleted (See QEP 175-2)	Rev. 3	03-01-91
<u>QEP 0150-05</u> Accidental Release of Radioactivity Within the Site Boundary	Rev. 3	02-09-96
<u>QEP 0150-S01</u> Radiation Protection Director Alert Checklist	Rev. 18	05-13-99
<u>QEP 0150-S02</u> Radiation Protection Director Site Area Emergency Checklist	Rev. 14	05-13-99
<u>QEP 0150-S03</u> Radiation Protection Director General Emergency Checklist	Rev. 14	05-13-99
<u>QEP 0150-S04</u> Radiation Protection Director Downgrade, Termination, and Recovery	Rev. 5	05-13-99

<u>QEP 0150-S05</u> Area Radiation Monitor System	Rev. 12	02-28-00
<u>QEP 150-S6</u> Thyroid Blocking Agent Issuance Log	Rev. 3	03-31-95
<u>QEP 150-S7</u> Procedure Deleted (See QEP 175-S5)	Rev. 2	03-01-91
<u>QEP 150-T1</u> Procedure Deleted (See QEP 175-T1)	Rev. 3	03-01-91
<u>QEP 0150-T02</u> Emergency Exposure Limits and Risks	Rev. 6	12-13-95
<u>QEP 0150-T03</u> Shift Turnover Briefing	Rev. 5	05-13-99
<u>QEP 0150-T04</u> Radiation Protection (QCRP) Procedures Applicable to Emergency Conditions	Rev. 7	11-18-99
<u>QEP 150-T5</u> Procedure Deleted (no longer needed)	Rev. 5	12-29-93
<u>QEP 150-T6</u> Procedure Deleted (See QEP 175-T3)	Rev. 3	03-01-91
<u>QEP 150-T7</u> Procedure Deleted (See QEP 175-T4)	Rev. 3	03-01-91
<u>QEP 0150-T08</u> Procedure Deleted (See QEP 0150-T09)	Rev. 5	08-09-96
<u>QEP 0150-T09</u> Protective Action Recommendations	Rev. 10	05-22-00
<u>QEP 150-T10</u> Recommended Protective Actions for Gaseous Release Conditions	Rev. 5	04-15-97

FIGURE 6.3-1B
PROTECTIVE ACTION RECOMMENDATIONS



- Note 1. Value based on a 1 Rem (TEDE) dose projection at 2 miles using Annual Average meteorology. If release rate cannot be determined in the required notification time for NARS, answer this question NO.
- Note 2. Value based on a 1 Rem (TEDE) dose projection at 5 miles using Annual Average meteorology.
- Note 3. Containment radiation monitor readings of greater than or equal to 7000 R/hr **uncorrected** indicates a fuel clad damage of 20% and a failure of the primary system allowing the entire inventory to be disbursed inside the Drywell.
- Note 4. Containment Design Pressure.
- Note 5. Reassess PARs based on changing unit conditions, release rates, meteorological conditions and dose projections (refer to Table 6.3-1).
- Note 6. The symbol "()" represents the entire radius of all sectors of the designated zonal area, where a single ")" represents just the affected downwind sectors (minimum of three) of the designated zonal area. Example: (S) S) S). The following recommendation is (S) - shelter 0-2 mile radius, S) - shelter 2-5 mile affected downwind sectors, S) - shelter 5-10 mile affected downwind sectors.

NOTE

A "release" is OCCURRING if:

- (1) Gaseous effluents being released via the main chimney, or the reactor building vent, wherein the monitored release rates meet or exceed $1.4e4 \mu\text{Ci/sec}$, which is one-half of the threshold value of EAL RU2, and/or
- (2) Environmental samples detect:
 - (a) Area radiation greater than normal background; and/or
 - (b) Detectable airborne radioactivity; and/or
 - (c) Detectable environmental contamination; and
 - (d) There is some independent indication (e.g., containment pressure changes, abnormal ventilation system alignment, etc.) that there may be some unmonitored release pathway available.

- (3) Liquid Effluent release is suspected due to abnormal plant indications, and the release rate exceeds the calculation in the ODCM.
- (4) Any abnormal release which cannot be quantified within 15 minutes.

A "release is POTENTIAL whenever the criteria for Emergency Action Level FS1 is met.

NOTIFICATIONS

<u>QEP 0300-00</u> Notifications	Rev. 58	05-22-00
<u>QEP 0300-01</u> Notifications for GSEP Emergencies	Rev. 25	03-01-00
<u>QEP 300-2</u> Procedure Deleted (See QOA 010-18)	Rev. 2	03-01-91
<u>QEP 0300-03</u> Activation of the Emergency Response Data System (ERDS)	Rev. 8	01-26-99
<u>QEP 0300-04</u> Augmentation of Personnel for Emergency Response	Rev. 12	01-06-00
<u>QEP 0300-05</u> Procedure Deleted (See CEPIP 1030-10)	Rev. 3	03-01-00
<u>QEP 300-S1</u> Procedure Deleted (See QOA 010-S4)	Rev. 3	03-01-91
<u>QEP 300-S2</u> Procedure Deleted (See QOA 010-S5)	Rev. 4	03-01-91
<u>QEP 0300-S03</u> GSEP Emergency Notification Log	Rev. 12	06-23-98
<u>QEP 0300-S04</u> Procedure Deleted (No longer needed)	Rev. 4	11-07-96
<u>QEP 0300-S05</u> Procedure Deleted (No longer needed)	Rev. 4	11-07-96
<u>QEP 0300-S06</u> Procedure Deleted (No longer needed)	Rev. 12	03-19-97

<u>QEP 0300-S07</u> Procedure Deleted (See CEPIP 1030-10)	Rev. 2	03-01-00
<u>QEP 0300-T01</u> Nuclear Accident Reporting System (NARS) Completion Instructions	Rev. 21	05-22-00
<u>QEP 0300-T02</u> Procedure Deleted (No Longer Needed)	Rev. 10	05-13-99
<u>QEP 0300-T03</u> Procedure Deleted (No longer needed)	Rev. 3	03-18-97
<u>QEP 300-T4</u> ERDS Parameter List	Rev. 1	03-01-91
<u>QEP 0300-T05</u> Procedure Deleted (No longer needed)	Rev. 3	07-15-98

NUCLEAR ACCIDENT REPORTING SYSTEM (NARS) COMPLETION INSTRUCTIONS

UTILITY MESSAGE NUMBER – For use by Utility personnel only.

- Number Messages sequentially, starting with 1, for the event described.
- **ENTER "N/A"** if this is a State NARS Message.

STATE MESSAGE NUMBER – Enter State Message Number when receiving a NARS Message from the State. Enter "N/A" if this is a Utility NARS Message.

INITIAL ROLL CALL – [COMMUNICATOR USE ONLY] Block is not applicable for Quad Cities Station. Refer to QEP 0300-S03 (back of NARS form).

PERFORM INITIAL ROLL CALL – [COMMUNICATOR USE ONLY] Block is used to document the completion of the Initial Roll Call.

1. BLOCK 1, STATUS.

- [A] "ACTUAL," this block should be marked to indicate a notification is being performed based on actual plant conditions.
- [B] "EXERCISE," this block should be marked during a simulated event involving State and County participation.
- [C] "DRILL," this block should be marked during a simulated Utility Only event and LORT/Simulator exams.
- [D] "TERMINATION," this block should be marked to indicate the termination of the actual or simulated event.

2. BLOCK 2, STATION.

- **SELECT [C],** Quad Cities Station.

3. BLOCK 3, ONSITE ACCIDENT CLASSIFICATION.

MARK the letter corresponding to the classification issued.

Classification level shall indicate the highest classification level for the site (all units). In situations when one unit is affected by unrelated events, classification is to be for the highest classification and other classified conditions should be noted in the Additional Information section.

- If [D] TERMINATION was chosen in block 1, then [F] NOT APPLICABLE, should be selected here in Block 3.

4. **A. BLOCK 4, ACCIDENT CLASSIFIED.**

CAUTION

The time and date listed in Block 4 are specific to the current classification. When a new NARS form is issued for a change to another part of the form, such as PARS or release status, the time in this block still needs to reflect the time and date of the current classification in effect.

- ENTER the TIME & DATE that the accident condition was classified and the EAL No. that was used for the classification.
- ENTER N/A next to TIME & DATE under ACCIDENT TERMINATED.

B. BLOCK 4, ACCIDENT TERMINATED.

- ENTER the TIME & DATE that the accident condition was terminated.
- ENTER N/A next to TIME & DATE and EAL No. under ACCIDENT CLASSIFIED.

5. **BLOCK 5, RELEASE TO ENVIRONMENT**

NOTE: When determining the magnitude of the release from the site, the "Total Station Release Rate" must be determined. This would include the sum of all monitored release paths.

- [A] "NONE," should be marked to indicate that no monitored or unmonitored release is occurring and that EALs FS1 or FG1 (potential release) have not been met..
- [B] "POTENTIAL," should be marked if a release is not OCCURRING but the Threshold Value for EAL FS1 or FG1 has been met.

- [C] "OCCURRING," should only be marked if there is a "release in progress."
 - A "release in progress" is defined as "when the rate of release or the total release of radioactive materials $1.40 \text{ E}+4 \text{ uci/sec}$ or an unmonitored release is in progress.
 - An "Unmonitored Release" is defined as any abnormal radioactive release which **cannot** be quantified within 15 minutes.
- [D] "TERMINATED," should be marked to indicate that a radioactive release that was OCCURRING has now ended.

6. **BLOCK 6, TYPE OF RELEASE.**

- If [A] "NONE" was selected in Block 5, **then** [A] "NOT APPLICABLE" should be marked in Block 6.
- If [B] "POTENTIAL" was selected in Block 5, **then** [B] "RADIOACTIVE GAS" should be marked in Block 6.
- If [C] "OCCURRING" was selected in Block 5, **then** either [B] "RADIOACTIVE GAS" or [C] "RADIOACTIVE LIQUID" should be selected as appropriate.
- If [D] "TERMINATED" was selected in Block 5, **then** either [B] "RADIOACTIVE GAS" or [C] "RADIOACTIVE LIQUID" should be selected as appropriate.

7. **BLOCK 7, WIND DIRECTION.**

- **ENTER** the direction from which the wind is coming, in degrees, using a 15 minute average A-Model point history point based on appropriate tower level for type of release:

ELEVATED RELEASE	GROUND LEVEL RELEASE	NO RELEASE
Main Chimney	Reactor Building Vent	
296' elevation (AM006)	33' elevation (AM004)	296' elevation (AM006)
D651 (U1)/D751 (U2)	D649 (U1)/D749 (U2)	D648 D651 (U1)/D751 (U2)

* Murray & Trettel or National Weather Service should be used as alternate sources. Phone numbers are listed in the ERF Telephone Directory.

- **ENTER** the single "DOWNWIND SECTOR" as indicated by the table listed below. This corresponds to the sector 180 degrees opposite of the wind direction (from).

WIND FROM	CENTERLINE	WIND FROM	CENTERLINE
(degrees)	(downwind sector)	(degrees)	(downwind sector)
169-191	A	349-11	J
192-213	B	12-33	K
214-236	C	34-56	L
237-258	D	57-78	M
259-281	E	79-101	N
282-303	F	102-123	P
304-326	G	124-146	Q
327-348	H	147-168	R

- NOTE: (1) In cases when a release is Occurring or Potential, wind direction should be checked approximately every 15 minutes. If the wind direction changes such that the identity of the centerline downwind sector changes, the identity of the new centerline downwind sector should be communicated via a new NARS form.
- (2) If the wind direction changes, but the identity of the downwind sector does **not** change, it is **not** necessary to transmit a new NARS form.

8. **BLOCK 8, WIND SPEED.**

- ENTER the Wind Speed in "METERS/SEC" and "MILES/HR."

ELEVATED RELEASE	GROUND LEVEL RELEASE	NO RELEASE
Main Chimney	Reactor Building Vent	
296' elevation (AM003)	33' elevation (AM001)	296' elevation (AM003)
D648 (U1)/D748 (U2)	D646 (U1)/D746 (U2)	D648 (U1)/D748 (U2)

9. **BLOCK 9, RECOMMENDED ACTIONS.**

- REFER to PAR Flowchart: [CR] QEP 0100-T02; [TSC] QEP 0150-T09.
- Sectors indicated in Item 9 [F], [G], [J], and [K] on the NARS form must include those sectors immediately adjacent to the Centerline Downwind Sector identified in Block 7 (For a minimum of three affected sectors).

- NOTE:
- (1) If the Wind Direction is within a few degrees of the line separating two sectors, **then** the two sectors will both be considered the Centerline Downwind Sector and the two sectors adjacent to these two will be indicated for a total of at least four affected sectors.
 - (2) Previously affected sectors must continue to be listed until cleared by the State. Sectors added for wind shifts will result in there being more than three (3) sectors affected.
 - (3) Section 9 [I] is to be used to indicate a radial evacuation beyond 2 miles. Normally used to indicate the 0-5 mile radial evacuation, in Illinois.
 - (4) Item 9 [Q] "Other" may be used to further define items entered in Item 9.

10. **BLOCK 10, ADDITIONAL INFORMATION.**

- "NONE" should be entered unless a NARS is being issued with the same classification level as the previous NARS message, but other information on the form has changed (see below) **or** is being corrected. The change to the form should be explained in Block 10.

- Change in Release Status.
- Change in PARs.
- Change in affected sectors.

11. **BLOCKS 11, 12 AND 13.**

Concern name, organization, date and time information for message transmission **and** receipt. These blocks are **not** completed during the preparation of the NARS form.

- Completion of Blocks 11, 12 and 13 is performed by the Communicator reading the message over the NARS telephone system.
- Final Roll Call is performed by Communicator using QEP 0300-S03.

12. **UTILITY USE ONLY BOX.** (lower right hand corner)

- Always **OBTAIN** approval from the person in Command & Control prior to transmission of the NARS form.

ACTING STATION DIRECTOR
(SHIFT ENGINEER)

QEP 0100-00

Acting Station Director (Shift Engineer) Rev. 34 05-22-00

QEP 0100-01

Acting Station Director
Implementing Procedure Rev. 10 03-01-00

QEP 100-S1

Procedure Deleted (See QOA 010-18) Rev. 3 03-01-91

QEP 0100-S02

Command And Control Turnover Form (CR) Rev. 10 03-01-00

QEP 0100-T01

GSEP Emergency Procedures
Implementation Guide Rev. 19 05-22-00

QEP 0100-T02

Predetermined Protective Action
Recommendations (PARs) For Control Room Rev. 13 05-22-00

GSEP EMERGENCY PROCEDURES IMPLEMENTATION GUIDE

The Shift Manager (Acting Station Director) is responsible for the execution of all of the procedures listed below while the Control Room is in Command and Control. When the TSC assumes Command and Control these procedures become the responsibility of the TSC Directors.

EVENT	DESCRIPTION	ACTION	REFERENCE
A. <u>DECLARING THE EMERGENCY AND INITIAL ACTIONS</u>			
1. Natural or Manmade Event OR Control Room Evacuation Anticipated or Required	An event which has the potential to impact the safety of onsite personnel or affect safe plant operations.	<p>1) Implement the appropriate QCOA 010 Block procedures.</p> <p>NOTE</p> <p>If the TSC has command and control and an Operations Director and Chemistry Director are available, turn over implementation of the QCOA procedures to the TSC.</p> <p>2) Proceed to section A.4, if a GSEP Emergency Classification level is declared.</p>	<p>QCOA 010-5. Plant Operations with the Control Room Inaccessible.</p> <p>QCOA 010-07. Personnel Emergencies.</p> <p>QCOA 010-08. Drywell Evacuation.</p> <p>QCOA 010-09. Earthquake.</p> <p>QCOA 010-10. Tornado Watch/Warning or Severe Winds.</p> <p>QCOA 010-11. Oil Release to the Mississippi River Event.</p> <p>QCOA 010-12. Fire/Explosion.</p> <p>QCOA 010-13. Aircraft Crash/Missile Impact.</p> <p>QCOA 010-14. Lock and Dam #14 Failure.</p> <p>QCOA 010-15. Hazardous Material Event.</p> <p>QCOA 010-16. Flood Emergency Procedure.</p> <p>QCOA 010-17. Toxic Gas/Chemical Release from Nearby Chemical Facilities.</p> <p>QCOA 010-19. Radioactive Liquid Spill.</p> <p>N/A</p>

GSEP EMERGENCY PROCEDURES IMPLEMENTATION GUIDE

EVENT	DESCRIPTION	ACTION	REFERENCE
2. Security Threat	A security situation which could impact the safety of onsite personnel or affect safe plant operations. Examples are: a. Tampering b. Bomb devices discovered c. Protected or vital area intrusion d. Loss of physical control of the facility e. Other security related threats	1) Determine if an Emergency Action Level (EAL) is being met and an Emergency Classification level should be declared. 2) Coordinate activities and provide support to the Security Shift Supervisor. 3) Proceed to section A.4, if a GSEP Emergency Classification level is declared.	QEP 0200-01, Classification for GSEP Conditions. QEP 0200-T01, Quad Cities Emergency Action Levels. N/A
3. Initiation of QOA/QCOA or QGA procedures. <u>OR</u> Degradation of system required by Technical Specifications. <u>OR</u> Technical Specification LCO Exceeded. <u>OR</u> Loss of communications or instrumentation such that accident assessment or off-site assessment cannot be made.	An event which indicates that plant systems or equipment are not performing in a normal condition.	1) Determine if an Emergency Action Level (EAL) is being met and Emergency Classification level should be declared. 2) Proceed to section A.4, if a GSEP Emergency Classification level is declared.	QEP 0200-01, Classification for GSEP Conditions. QEP 0200-T01, Quad Cities Emergency Action Levels.

GSEP EMERGENCY PROCEDURES IMPLEMENTATION GUIDE

EVENT	DESCRIPTION	ACTION	REFERENCE
<p>4. Declaration of a GSEP Emergency Classification level.</p> <p>a. Unusual Event.</p> <p><u>NOTE</u></p> <p>EALs are for UNPLANNED EVENTS. A planned evolution involves preplanning to address the limitations imposed by the condition, the performance of required surveillance testing, and the implementation of specific controls prior to knowingly entering the condition. PLANNED evolutions to test, manipulate, repair, perform maintenance or modifications to systems and equipment that result in an EAL Threshold Value being met or exceeded are NOT subject to GSEP reporting and activation requirements as long as the evolution proceeds as planned. These conditions MAY be subject to 10CFR50.72 reporting.</p>	<p>As defined in QEP 0200-T01, Quad Cities Emergency Action Levels (EAL)</p> <p>"Command and Control" authority includes:</p> <ul style="list-style-type: none">a. Final decision to declare the emergency classification.b. Final decision to notify and make PARs to offsite authorities.c. Authorization of personnel exposure beyond 10CFR20 limits under emergency conditions.d. Issuance of thyroid blocking agents to ComEd emergency workers and onsite personnel.	<ul style="list-style-type: none">1) Announce the "Unusual Event" over the plant PA System, including the reason for the classification.2) Immediately, initiate required notifications.3) Assume "Command and Control" authority and responsibility for the overall coordination and response to the emergency.4) Take necessary actions to mitigate the situation.5) Continue to evaluate the condition against the EALs for possible change in the Emergency Classification level.	<p>N/A</p> <p>QEP 0300-01, Notification for GSEP Emergencies and QEP 0300-S03, GSEP Emergency Notification Log.</p> <p>N/A</p> <p>N/A</p> <p>QEP 0200-T01, Classification of Emergencies.</p>

GSEP EMERGENCY PROCEDURES IMPLEMENTATION GUIDE

EVENT	DESCRIPTION	ACTION	REFERENCE
<p>b. Alert</p> <p><u>NOTE</u></p> <p>EALs are for UNPLANNED EVENTS. A planned evolution involves preplanning to address the limitations imposed by the condition, the performance of required surveillance testing, and the implementation of specific controls prior to knowingly entering the condition. PLANNED evolutions to test, manipulate, repair, perform maintenance or modifications to systems and equipment that result in an EAL Threshold Value being met or exceeded are NOT subject to GSEP reporting and activation requirements as long as the evolution proceeds as planned. These conditions MAY be subject to 10CFR50.72 reporting.</p>	<p>"Command and Control" authority includes:</p> <ol style="list-style-type: none"> Final decision to declare the emergency classification. Final decision to notify and make PARs to offsite authorities. Authorization of personnel exposure beyond 10CFR20 limits under emergency conditions. Issuance of thyroid blocking agents to ComEd emergency workers and onsite personnel. 	<ol style="list-style-type: none"> Assume Command and Control and responsibility until relieved by the Station Director or MEO (EOF). Announce (twice) the "Alert" over the PA System, including the reason for the classification, and that GSEP personnel should report to the TSC and OSC. <ol style="list-style-type: none"> Periodically repeat PA announcement, as staffing allows, until TSC/OSC are operational. Initiate ERO Call Out per QEP 0300-04. Determine public Protective Action Recommendations (PARs) to be entered on the NARS form. <u>Immediately</u>, initiate required notifications. Take necessary actions to mitigate the situation. Activate ERDS. Brief the Station Director and/or Operations Director of key conditions upon their arrival. 	<ol style="list-style-type: none"> QEP 0300-04, Augmentation of Personnel for Emergency Response. QEP 0100-T02, Predetermined PARs for the Control Room. QEP 0300-01, Notification for GSEP Emergencies. N/A QEP 0300-03, Activation of the Emergency Response Data System (ERDS). QEP 0100-S02, Command and Control Turnover Form.

GSEP EMERGENCY PROCEDURES IMPLEMENTATION GUIDE

EVENT	DESCRIPTION	ACTION	REFERENCE
<p>c. Site Emergency</p> <p><u>OR</u></p> <p>General Emergency</p> <p><u>NOTE</u></p> <p>EALs are for UNPLANNED EVENTS. A planned evolution involves preplanning to address the limitations imposed by the condition, the performance of required surveillance testing, and the implementation of specific controls prior to knowingly entering the condition. PLANNED evolutions to test, manipulate, repair, perform maintenance or modifications to systems and equipment that result in an EAL Threshold Value being met or exceeded are NOT subject to GSEP reporting and activation requirements as long as the evolution proceeds as planned. These conditions MAY be subject to 10CFR50.72 reporting.</p>	<p>Perform these actions <u>only</u> if the Control Room Acting Station Director has "Command and Control" authority.</p> <p><u>OTHERWISE</u></p> <p>Continue to take necessary actions to mitigate the situation per the directions of the Operations Director in the TSC. Provide information as requested from the TSC.</p> <p>"Command and Control" authority includes:</p> <ol style="list-style-type: none"> Final decision to declare the emergency classification. Final decision to notify and make PARs to offsite authorities. Authorization of personnel exposure beyond 10CFR20 limits under emergency conditions. Issuance of thyroid blocking agents to ComEd emergency workers and onsite personnel. 	<ol style="list-style-type: none"> Assume Command and Control and responsibility until relieved by the Station Director or MEO (EOF). Announce the "Site or General Emergency" over the PA System, including the reason for the classification, and that GSEP personnel should report to the TSC and OSC. <ol style="list-style-type: none"> Periodically repeat PA announcement, as staffing allows, until TSC/OSC are operational. Initiate ERO Call Out per QEP 0300-04. Determine public Protective Action Recommendations (PARs) to be entered on the NARS form. <u>Immediately</u>, initiate required notifications. Take necessary actions to mitigate the situation. Activate ERDS (if this has not been activated). Implement plant assembly and accountability. 	<ol style="list-style-type: none"> QEP 0300-04, Augmentation of Personnel for Emergency Response. QEP 0100-T02, Predetermined PARs for the Control Room. QEP 0300-01, Notification for GSEP Emergencies. N/A QEP 0300-03, Activation of the Emergency Response Data System (ERDS). QEP 0400-S01, Plant Assembly Checklist.

GSEP EMERGENCY PROCEDURES IMPLEMENTATION GUIDE

EVENT	DESCRIPTION	ACTION	REFERENCE
c. Site Emergency <u>OR</u> General Emergency (continued)		<p>9) Implement site evacuation.</p> <p>10) Initiate preliminary Environmental Monitoring, if personnel are available and a radiological release is occurring or anticipated, by sending an RT downwind with a radio, survey instrument, and protective clothing. Direct RT to remain out of areas greater than 100 mR/hr.</p> <p>11) Brief the Station Director and/or Operations Director of key conditions upon their arrival.</p>	<p>9) QEP 0400-S02, Site Evacuation Checklist.</p> <p>10) QEP 0155-S06, Environs Field Team Dispatch Log.</p> <p>11) QEP 0100-S02, Command and Control Turnover Form.</p>

GSEP EMERGENCY PROCEDURES IMPLEMENTATION GUIDE

EVENT	DESCRIPTION	ACTION	REFERENCE
B. <u>ONSITE PROTECTIVE ACTIONS</u>	These actions may be taken during the course of the emergency to protect or minimize the impact of the emergency situation to onsite personnel.		
1. Personnel Emergency.	An injury onsite requiring response by first aid trained personnel including injuries involving contamination.	Implement first aid response.	QCOA 010-7, Personnel Emergency.
2. Plant Assembly.	Plant assembly and personnel accountability are determined necessary due to plant conditions or a Site Area/General Emergency has been declared.	Implement plant assembly and accountability.	QEP 0400-S01, Plant Assembly Checklist.
3. Missing Persons.	Plant accountability has identified missing personnel.	1) Announce the names of the missing persons and a Control Room phone number over the PA System and request a call back. 2) Initiate search and rescue efforts if no call back is received.	N/A

GSEP EMERGENCY PROCEDURES IMPLEMENTATION GUIDE

EVENT	DESCRIPTION	ACTION	REFERENCE
4. Site Evacuation.	Site evacuation of personnel is determined necessary due to plant conditions or a Site or General Emergency has been declared. Prerequisite: Plant assembly and accountability have been completed.	1) Determine if selected personnel should remain onsite to assist the emergency effort. Inform security at the assembly areas of personnel who should remain. 2) Implement site evacuation.	N/A QEP 0400-S02, Site Evacuation Checklist.
5. Approval to Receive Exposure Limits.	Approval to receive exposure limits transfers to the person with "Command and Control" authority.	1) Review exposure limit criteria and emergency exposure risk information. 2) Document and approve the request.	QEP 0150-T02, Emergency Exposure Limit. QEP 0165-S05, Emergency Exposure Limit/Potassium Iodide Issuance Approval Form.
6. Issuance of thyroid blocking agents.	Approval to issue thyroid blocking agents transfers to the person with "Command and Control" authority. Thyroid blocking agents should be issued for airborne exposures in excess of 25 Rem to the thyroid.	1) Document and approve the request. 2) Direct personnel to issue thyroid blocking agents. Thyroid blocking agents are stored in the GSEP vans, CR, TSC, and OSC.	QEP 0165-S05, Emergency Exposure Limit/Potassium Iodide Issuance Approval Form.

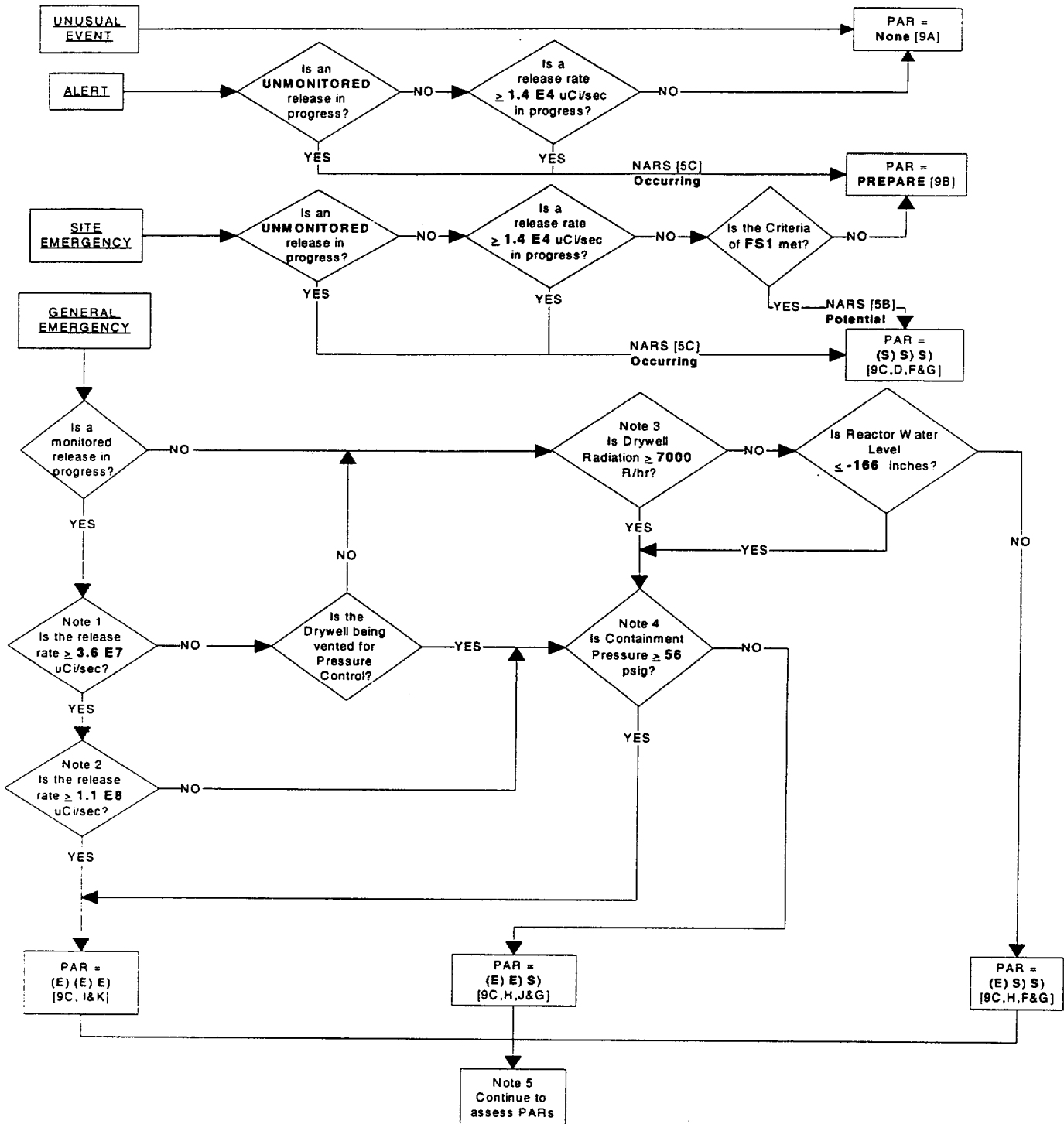
GSEP EMERGENCY PROCEDURES IMPLEMENTATION GUIDE

EVENT	DESCRIPTION	ACTION	REFERENCE
7. Initiation or Expected Initiation of Hardened Vent	A situation that requires use of the hardened vent per QCOP 1600-13.	<p>1) Immediately communicate use of the hardened vent to all other ComEd emergency facilities.</p> <p><u>NOTE</u></p> <p>IDNS and Iowa Dept. of Public Health want to be notified immediately regarding use or anticipated use of the hardened vent. IDNS - 217/785-0600 IDPH - 515/281-3478</p> <p>2) Immediately declare a Site Emergency per EAL FS1 (1.c.3 & 3.b) if Site or General Emergency not already declared.</p> <p>3) Immediately issue a NARS form indicating:</p> <p>a. Site Emergency [3C] b. Release Occurring [5C] c. PARS (s)s(s) [9C,9D,9F,9G]</p> <p>if a more conservative PAR has not been previously issued.</p> <p>4) Additional analysis should be performed as soon as possible, including:</p> <p>a. Evaluate classification/ notification of General Emergency based on EAL FG1 or RG1 and related PARS.</p>	<p>QCOP 1600-13</p> <p>QEP 0200-T01</p> <p>QEP 0300</p>

GSEP EMERGENCY PROCEDURES IMPLEMENTATION GUIDE

EVENT	DESCRIPTION	ACTION	REFERENCE
C. <u>RECOVERY/TERMINATION</u> 1. Recovery	As defined in GSEP, Section 5.5 and 5.6.	1) Announce over the PA System that recovery is being initiated. 2) Complete a list of corrective action items jointly with the Operations Director. 3) Assist in the development of recovery plans and procedures.	QEP 0500-S02, Corrective Action Items for Plant Recovery. QEP 0500-01, Recovery Operations.
2. Termination	As defined in GSEP, Section 5.5 and 5.6.	1) Announce the termination of the emergency over the PA System. 2) Provide a list of any forms needing replacement in the "Emergency Response Manual" to the Administrative Director. 3) Collect all Emergency Response Facility documentation and write an "Emergency Response Summary" report. Provide the report to the Assistant Station Director. <u>OR</u> Assist the EP Coordinator in writing an "Event Investigation Report" if only an Unusual Event was declared.	N/A QEP 0500-T01, Emergency Response Summary. QEP 0500-S04, Event Investigation Report.

PREDETERMINED PROTECTIVE ACTION RECOMMENDATIONS (PARs) FOR CONTROL ROOM



GENERAL NOTES

A POTENTIAL RELEASE is applicable when the criteria for Emergency Action Level (EAL) FS1 is met.

An UNMONITORED RELEASE is any abnormal release that cannot be quantified within 15 minutes.

FOOTNOTES

- Note 1: Site Specific Monitor value based on a 1 Rem (TEDE) dose projection at 2 miles using Annual Average meteorology.
- Note 2: Site Specific Monitor value based on a 1 Rem (TEDE) dose projection at 5 miles using Annual Average meteorology.
- Note 3: Clad Damage \geq Site Specific Containment Fission Product Barrier Threshold Value for Radiation Level.
- Note 4: Containment Design Pressure.
- Note 5: Reassess PARs based on changing unit conditions, release rates, meteorological conditions and dose projections (refer to Table 6.3-1).

ADMINISTRATIVE DIRECTOR

<u>QEP 0125-00</u> Administrative Director	Rev. 31	05-22-00
<u>QEP 0125-01</u> Administrative Director Implementing Procedure	Rev. 6	04-24-00
<u>QEP 0125-S01</u> Administrative Director Alert Checklist	Rev. 16	04-24-00
<u>QEP 0125-S02</u> Administrative Director Site Area Emergency Checklist	Rev. 13	04-24-00
<u>QEP 0125-S03</u> Administrative Director General Emergency Checklist	Rev. 10	04-24-00
<u>QEP 0125-S04</u> Administrative Director Downgrade, Termination, and Recovery	Rev. 4	05-13-99
<u>QEP 0125-S05</u> TSC Operations Checklist	Rev. 13	05-22-00
<u>QEP 0125-S06</u> Shift Assignment Worksheet	Rev. 5	05-13-99
<u>QEP 0125-T01</u> Arrangements for Food Services	Rev. 5	05-13-99
<u>QEP 0125-T02</u> Development of Shift Schedules	Rev. 6	05-13-99

QEP 0125-T03

Procedure Deleted (No Longer Needed)

Rev. 5

04-24-00

QEP 0125-T04

Shift Turnover Briefing

Rev. 3

05-13-99

TSC OPERATIONS CHECKLIST

COMPLETE	EQUIPMENT	OPERABILITY
_____	1. Plant PA System	1. Adjust volume in the TSC so that it can be monitored but does not disturb activities.
_____	2. TSC/OSC PA System	1. Turn-on PA System and distribute cordless microphones to the following positions: <ul style="list-style-type: none">• Station Director• Operations Director• Maintenance Director• Technical Director• Rad Prot Director• Security Director (microphones are located in PA System stand drawer.)
_____	3. Facility Clocks	1. Synchronize facility clocks with Control Room. (Obtain time from Operations Director.)
_____	4. Copy Machine	1. Run several 8 1/2 x 11 test copies. 2. Ensure copier is loaded with sufficient paper.
_____	5. Microfiche Printer	1. Make one copy of an As Built Drawing.
_____	6. Telecopy Machines	1. Check time and date. 2. Ensure faxes are loaded with paper. 3. Send and receive a telecopy to another location.
_____	7. Computers & Printers	1. Verify that operational checks have been done by Technical Director and Environs Director.

NOTE

Paper and supplies for copier, faxes and printers are located in Storage Room Cabinet.

ON-SITE RESPONSE ACTIONS

<u>QEP 0400-00</u> On-Site Response Actions	Rev. 50	05-22-00
<u>QEP 0400-01</u> Plant Assembly	Rev. 13	01-14-00
<u>QEP 0400-02</u> Site Evacuation	Rev. 4	05-13-99
<u>QEP 0400-03</u> Emergency Teams	Rev. 7	04-24-00
<u>QEP 0400-S01</u> Plant Assembly Checklist	Rev. 14	01-14-00
<u>QEP 0400-S02</u> Site Evacuation Checklist	Rev. 15	05-22-00
<u>QEP 0400-S03</u> Procedure Deleted (See QEP 0400-03)	Rev. 10	01-23-97
<u>QEP 0400-S04</u> Procedure Deleted (No longer needed)	Rev. 6	10-21-97
<u>QEP 0400-S05</u> OSC Team Request Form	Rev. 12	05-22-00
<u>QEP 0400-S06</u> OSC Team Briefing Form	Rev. 7	05-22-00
<u>QEP 400-S7</u> Accident Scene Checklist	Rev. 2	04-06-92
<u>QEP 0400-S08</u> Relocation Center Operations Checklist	Rev. 7	05-13-99

<u>QEP 400-S9</u> Relocation Center Accountability Log	Rev. 1	03-30-89
<u>QEP 0400-S10</u> Relocation Center Briefing Form	Rev. 4	05-13-99
<u>QEP 0400-S11</u> Determination of Essential Personnel Checklists	Rev. 3	05-13-99
<u>QEP 0400-T01</u> Assembly Areas for Onsite Personnel	Rev. 8	01-14-00
<u>QEP 0400-T02</u> Site Evacuation Map	Rev. 7	05-22-00
<u>QEP 400-T3</u> Relocation Center Layout	Rev. 6	03-31-95
<u>QEP 0400-T04</u> Recommended Team Composition	Rev. 4	05-31-96

SITE EVACUATION CHECKLIST

Responsibility for Coordination: Security Director

(Name)

ACTION	RESPONSIBLE PERSON	COMPLETED
<u>NOTE</u> Byron Station will serve as the alternate facility to the primary Relocation Center located at the Fulton Middle School.		
A. <u>PRIOR TO EVACUATION</u>		
1. Verify that plant assembly and accountability have been completed per QEP 0400-S01.	Security Director	<hr/>
2. Verify that persons designated to remain onsite have been selected by the TSC/OSC Directors.	Security Director	<hr/>
3. Determine if monitoring/decon of evacuating personnel at the relocation center is needed based on the potential for persons to become contaminated during the evacuation. • If "Yes", proceed to Step 4. • If "No", proceed to Step 5.	Radiation Protection Director	<hr/>
4. Determine if Fulton Middle School should be utilized based on postulated release conditions and wind direction (if applicable).	Radiation Protection Director	<hr/>

SITE EVACUATION CHECKLIST

	ACTION	RESPONSIBLE PERSON	COMPLETED
5.	Proceed as applicable: <ul style="list-style-type: none">• To Section B if evacuating to home.• To Section C if evacuating to the Relocation Center at Fulton Middle School.• To Section D if evacuating to Byron Station.	Security Director	_____
B.	<u>EVACUATING PERSONNEL ARE DIRECTED TO PROCEED HOME</u>		
1.	Announce over the plant PA System that all non-essential personnel are to evacuate the site to their homes, and that emergency support personnel are to proceed to the TSC/OSC.	Operations Director	_____
2.	Dispatch security officers to buildings outside the Protected Area (FAB Shops, warehouses, Waste Water Treatment Plant, Training Building, etc.) to evacuate personnel following the same directions given to the onsite personnel.	Security Director	_____
3.	Notify Illinois EMA of the site evacuation. (Do not use NARS for this notification.)	Assistant Station Director	_____
4.	Notify the Illinois State Patrol and Rock Island County Sheriff of the site evacuation. Phone numbers are provided in the ERF telephone directory under "Public Safety".	Security Director	_____
5.	Notify NRC of the Site Evacuation.	Technical Director	_____

SITE EVACUATION CHECKLIST

	ACTION	RESPONSIBLE PERSON	COMPLETED
6.	Verify with the security officers that everyone has left. Site evacuation completed at _____.	Security Director	_____
a.	After personnel have been evacuated, lock gates and turnstyles.		_____
b.	Obtain a printout listing of all persons still onsite.		_____
7.	Inform the Station Director that site evacuation is complete.	Security Director	_____
C.	<u>EVACUATING PERSONNEL TO THE FULTON MIDDLE SCHOOL RELOCATION CENTER</u>		
1.	Determine the most appropriate evacuation route and provide Security with the Site Evacuation maps from QEP 0400-T02 for distribution at the Security Building.	Radiation Protection Director	_____
2.	Select two security officers to proceed with the RTs to the relocation center. Designate one security officer to establish traffic control and parking at the Relocation Center, and the second to establish accountability for arriving evacuees per QEP 0400-S09.	Security Director	_____
3.	Contact the Fulton School District and request that the Fulton Middle School Gym be opened for use as a relocation center. Phone numbers are provided in the ERF telephone directory under "Support Groups" - "Fulton Middle School".	Security Director	_____

SITE EVACUATION CHECKLIST

ACTION	RESPONSIBLE PERSON	COMPLETED
<p>4. Coordinate with the OSC Director to select two RTs for assignment to the Relocation Center. Designate one individual as the lead for conducting relocation center operations and complete QEP 0400-S10, Relocation Center Briefing Form. Provide them with the following documents and equipment as necessary before leaving:</p> <p>a. Relocation Center Emergency Response Manual maintained at the RP Director desk.</p> <p>b. Seven Frisker/GM type instruments.</p> <p>c. GSEP Log forms (several).</p> <p>d. Six stanchions (stored in TSC decon area).</p>	Radiation Protection Director	<hr/>
<p>5. Notify the Fulton Police Department that the Fulton Middle School is to be utilized as a relocation center and that Security Officers from the station will be present at the relocation center. Phone numbers are provided in the ERF phone directory under "Public Safety". (NRC Inspection Report 254(265)/89-007)</p>	Security Director	<hr/>
<p>6. Proceed to Section E.</p>		

SITE EVACUATION CHECKLIST

	ACTION	RESPONSIBLE PERSON	COMPLETED
D.	<u>EVACUATING PERSONNEL TO BYRON STATION (ALTERNATE RELOCATION CENTER)</u>		
	<u>NOTE</u>		
	If the Relocation Center selected is another Nuclear Power Station, then the Nuclear Power Station designated as the Relocation Center will normally assume the responsibility for:		
	<ul style="list-style-type: none"> - Assigning an appropriate number of their own RP and Security personnel for receiving and monitoring the evacuated personnel. - Conducting accountability for the arriving personnel. - Surveying and documenting the results of personnel and vehicle surveys conducted. - Decontamination of personnel, clothing and vehicles, as necessary. - Bioassay of personnel, as necessary. - Reporting the results of surveys back to the TSC of the affected site. 		
1.	Notify the Byron Station Control Room that station personnel are being relocated from Quad Cities Station to the Byron Station, and that the TSC Security Director and RP Director will be in contact with their department counterparts at Byron Station.	Assistant Station Director	<hr/>
2.	Contact the Security Manager at Byron Station and discuss a location(s) for assembly and segregation of evacuees. Include the following in the notification: <ul style="list-style-type: none"> - Approximate number of evacuees to be sent. - Whether any or all of these personnel are suspected of being radioactively contaminated. 	Security Director	<hr/>

SITE EVACUATION CHECKLIST

ACTION	RESPONSIBLE PERSON	COMPLETED
- Whether RP Technicians and Security personnel will be sent from the station for radiological monitoring, decontamination and access control.		
- Whether the Relocation Center is being used as a staging area and there is no concern for radiological contamination of the personnel or vehicles.		
3. Contact the RP Manager at Byron Station to discuss actions for the monitoring and decontamination of evacuees and vehicles.	Radiation Protection Director	
4. Determine the most appropriate route and provide Security with directions using map to Byron Station from QEP 0400-T02.	Radiation Protection Director	
5. Proceed to Section E.	- N/A -	

E. IMPLEMENTING EVACUATION TO DESIGNATED RELOCATION CENTER

1. Direct the Security Officers at the Security Building to implement the following directions:	Security Director	
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NOTE

Portal radiation monitoring is not required unless directed by the Station Director.

- a. As personnel leave, hand out evacuation maps.
- b. After personnel have been evacuated, lock gates and turnstyles.

SITE EVACUATION CHECKLIST

	ACTION	RESPONSIBLE PERSON	COMPLETED
2.	Upon completion of the above steps, announce over the plant PA System that all non-essential personnel are to evacuate the site to the relocation center and that emergency support personnel are to proceed to the TSC/OSC.	Operations Director	_____
3.	Dispatch security officers to buildings outside the protected area (FAB Shops, warehouses, waste water treatment plant, sewage treatment plant, training building, etc.) to evacuate personnel following the same directions given to the onsite personnel.	Security Director	_____
4.	Notify Illinois EMA of the site evacuation and relocation center activation. (Do not use NARS for this notification.)	Assistant Station Director	_____
5.	Notify the Illinois State Patrol and Rock Island County Sheriff of the site evacuation and relocation center activation. Phone numbers are provided in the ERF telephone directory under "Public Safety".	Security Director	_____
6.	Notify NRC of site evacuation and relocation center activation.	Technical Director	_____
7.	Verify with the security officers that everyone has left. Site evacuation completed at _____.	Security Director	_____
a.	After personnel have been evacuated, lock gates and turnstyles.		_____
b.	Obtain a printout listing of all persons still onsite.		_____

SITE EVACUATION CHECKLIST

	ACTION	RESPONSIBLE PERSON	COMPLETED
8.	Inform the Station Director that site evacuation is complete.	Security Director	_____
9.	Make contact with the the relocation center and track progress. (Fulton Middle School GSEP phone number is (815) 589-2202.) Brief the Station Director and Radiation Protection Director of progress and any contamination found.	Security Director	_____
10.	Make arrangements with another ComEd nuclear facility for HP support and decontamination facilities beyond the capabilities of the Relocation Center, as necessary.	Radiation Protection Director	_____
11.	Continually evaluate the progress of monitoring efforts underway at the relocation centers. If no contamination is being found, recommend to the Station Director that monitoring operations be discontinued and personnel be sent home. If extensive contamination <u>is</u> being found, recommend to the Station Director that state and federal radiological support be requested.	Radiation Protection Director	_____
12.	Based on the recommendations of the Radiation Protection Director, either discontinue monitoring or request additional radiological support.	Station Director	_____

OSC Team Request Form

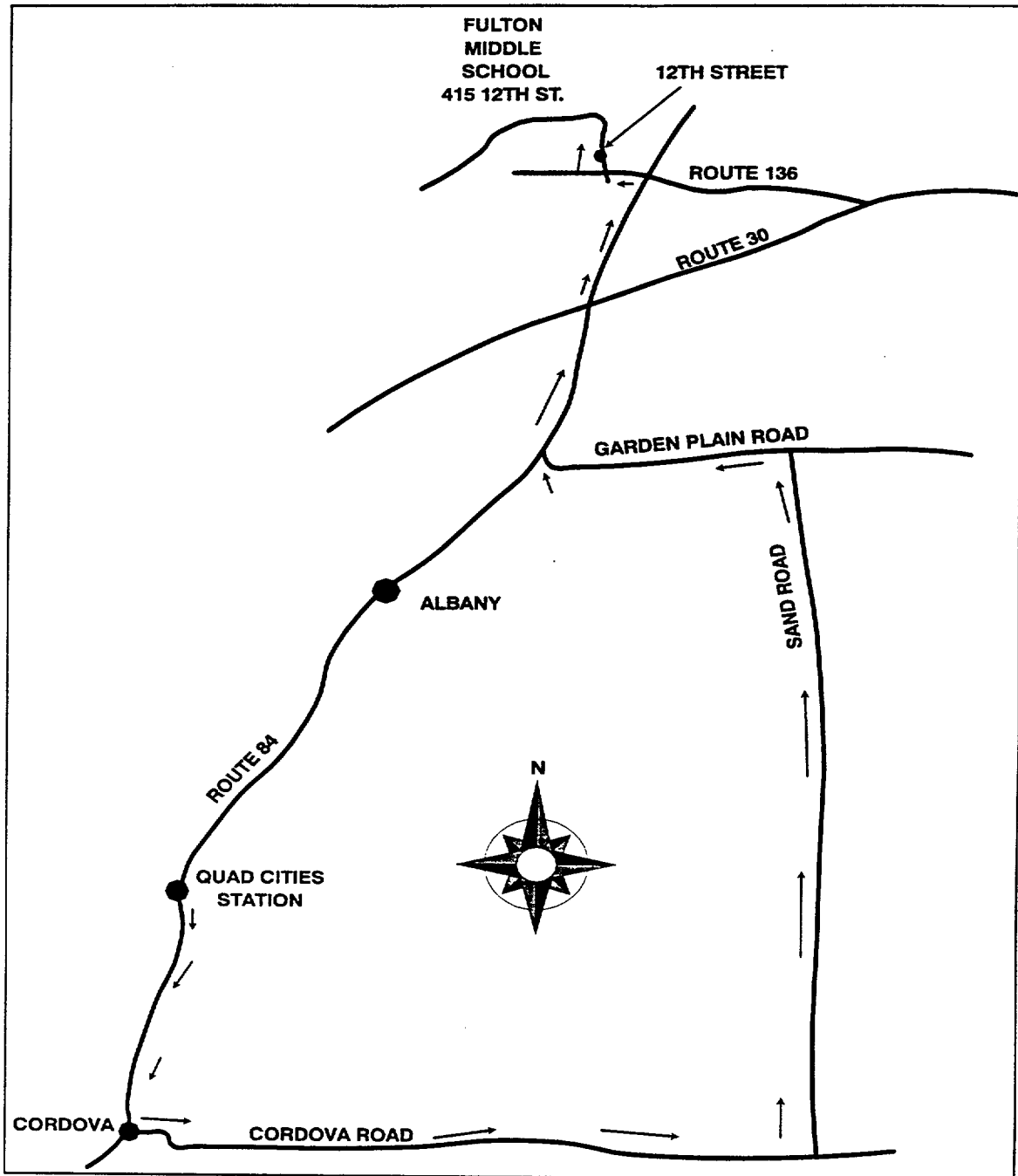
TO: MAINTENANCE DIRECTOR OSC Team Requested by: _____						
Task:						
Task Location:						
Recommended Group Lead:	Ops	MM	IM	EM	RP	Chem
RP / Safety Precautions (Exposure Approvals, PCs, Respirators, KI, Survey requirements)						
Operations or Maintenance Director: <ul style="list-style-type: none">▪ Assign the task priority based on the following definitions.<ul style="list-style-type: none"><input type="checkbox"/> URGENT Tasks which involve Life Saving or Fires. Emergency Exposure Limits may apply.<input type="checkbox"/> HIGH The task must be accomplished to mitigate a release to the public or to mitigate core damage. Emergency Exposure Limits may apply.<input type="checkbox"/> MEDIUM The task must be accomplished to support accident mitigation.<input type="checkbox"/> LOW The completion of these tasks are activities which support the functions of the ERO.						
<u>Communicator</u> <ul style="list-style-type: none">▪ Team Request transmitted to the OSC @ _____ (time)▪ <u>Operations and Maintenance Directors Informed</u> <input type="checkbox"/>▪ Team # _____ Dispatched @ _____ (time)▪ <u>Operations and Maintenance Directors Informed</u> <input type="checkbox"/>▪ Update Status Board <input type="checkbox"/>						

Team Requested by:						
Task:						
Task Location:						
Recommended Group Lead:	Ops	MM	IM	EM	RP	Chem
RP / Safety Precautions from the TSC:						
<ul style="list-style-type: none"> • URGENT Minimum briefing. Tasks which involve Life Saving or Fires. Emergency Exposure Limits may apply. • HIGH Full briefing. The task must be accomplished to mitigate a release to the public or to mitigate core damage. Emergency Exposure Limits may apply. • MEDIUM Full briefing. The task must be accomplished to support accident mitigation. • LOW Full briefing. The completion of these tasks are activities which support the functions of the ERO. 						
Highest ARM in area: _____ mRem			Expected Accumulated Dose: _____ mRem			
Turn Back Dose: _____ mRem			Turn Back Dose Rate: _____ mR/hr			
** Refer to Emergency Exposure Limits, for approval levels **						
Radio Channel Assigned: _____			Pager # (if applicable): _____			
Call Back Phone Number: Ext. _____			Entry/Exit Routes: _____			
Special Precautions: _____ / NONE						
Protective Clothing Required: _____ / NONE						
Respiratory Equip. Required: _____ / NONE						
Return to the OSC for Assembly / Accountability: • Yes • No, report team status to OSC by radio or phone.						
Name	Badge #	Respiratory Prot. Required? Qualified Yes/No Yes	Current Annual Dose	Approved Dose		
Team Leader	_____	_____ •	_____	_____		
Team Member	_____	_____ •	_____	_____		
Team Member	_____	_____ •	_____	_____		
Team Member	_____	_____ •	_____	_____		
Team Member	_____	_____ •	_____	_____		
RPT	_____	_____ •	_____	_____		
Briefed by: _____ <div style="text-align: right;">Group Lead</div>			OSC Supervisor or RP Review: _____ <div style="text-align: right;">Initials</div>			
Dispatch Time: _____		Notified of Team Dispatch <u>OSC Dir.</u> <u>Control Room</u> <u>TSC</u>				
Forward Copy to the TSC						

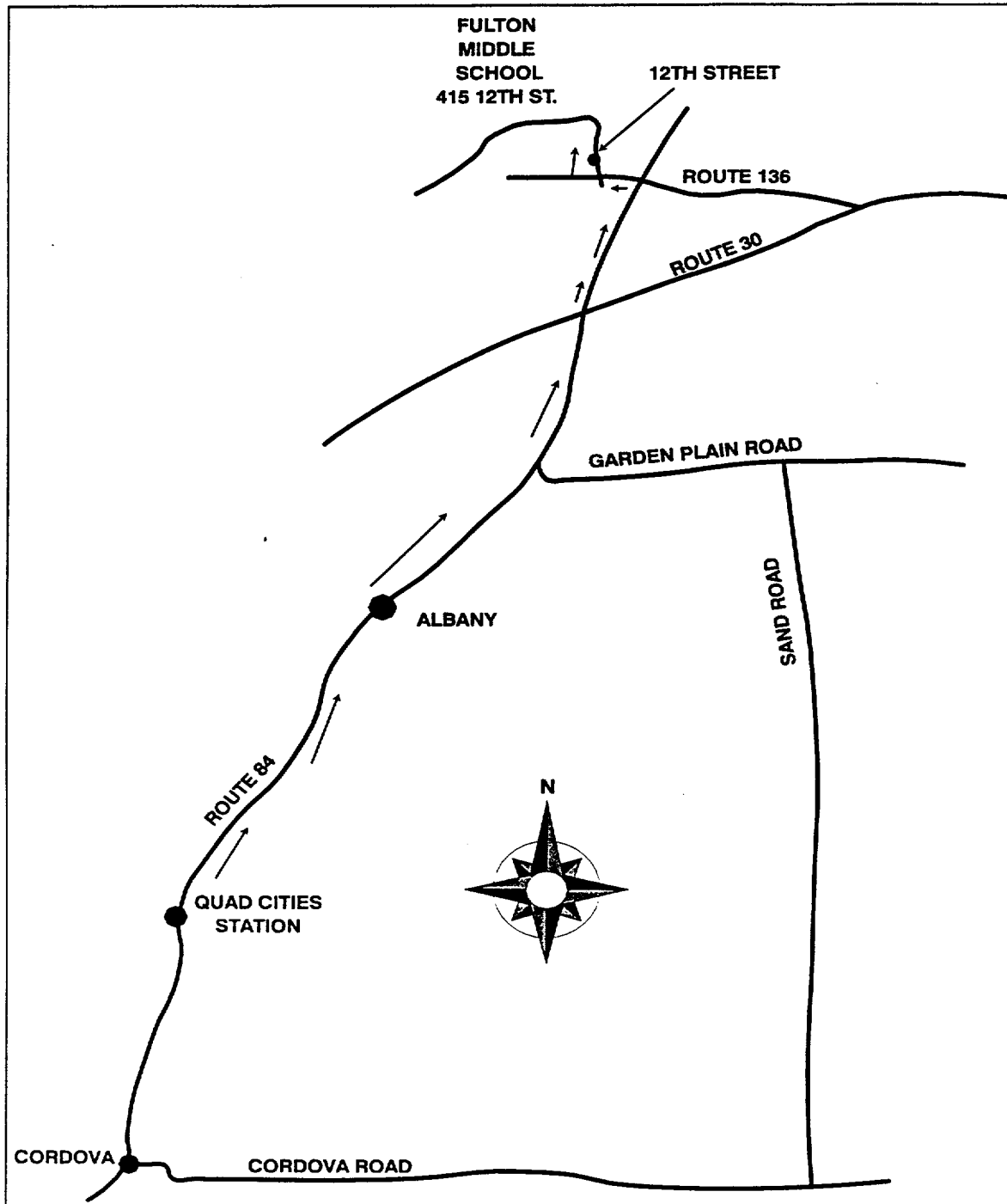
OSC Team Debriefing Form

Team # _____	
Time of Return to OSC: _____	Task Completed: YES NO
Work Performed: 	
Follow-up Actions Needed: 	
Unusual Conditions Encountered: 	
Radiological Conditions: 	
UPDATE Survey Maps from this data.	
Total Time out of the OSC: _____ Hr. _____ Min.	
Highest Personnel Exposure Received: _____ mRem	
Debriefed by: _____ OSC Supervisor / RP Review: _____	
Group Lead	Initial
OSC Director Notified? YES	Control Room? YES TSC? YES
Team member Exposure Tracking Placard and the Team Tracking Status Board updated? YES	
Forward Copy to the TSC	

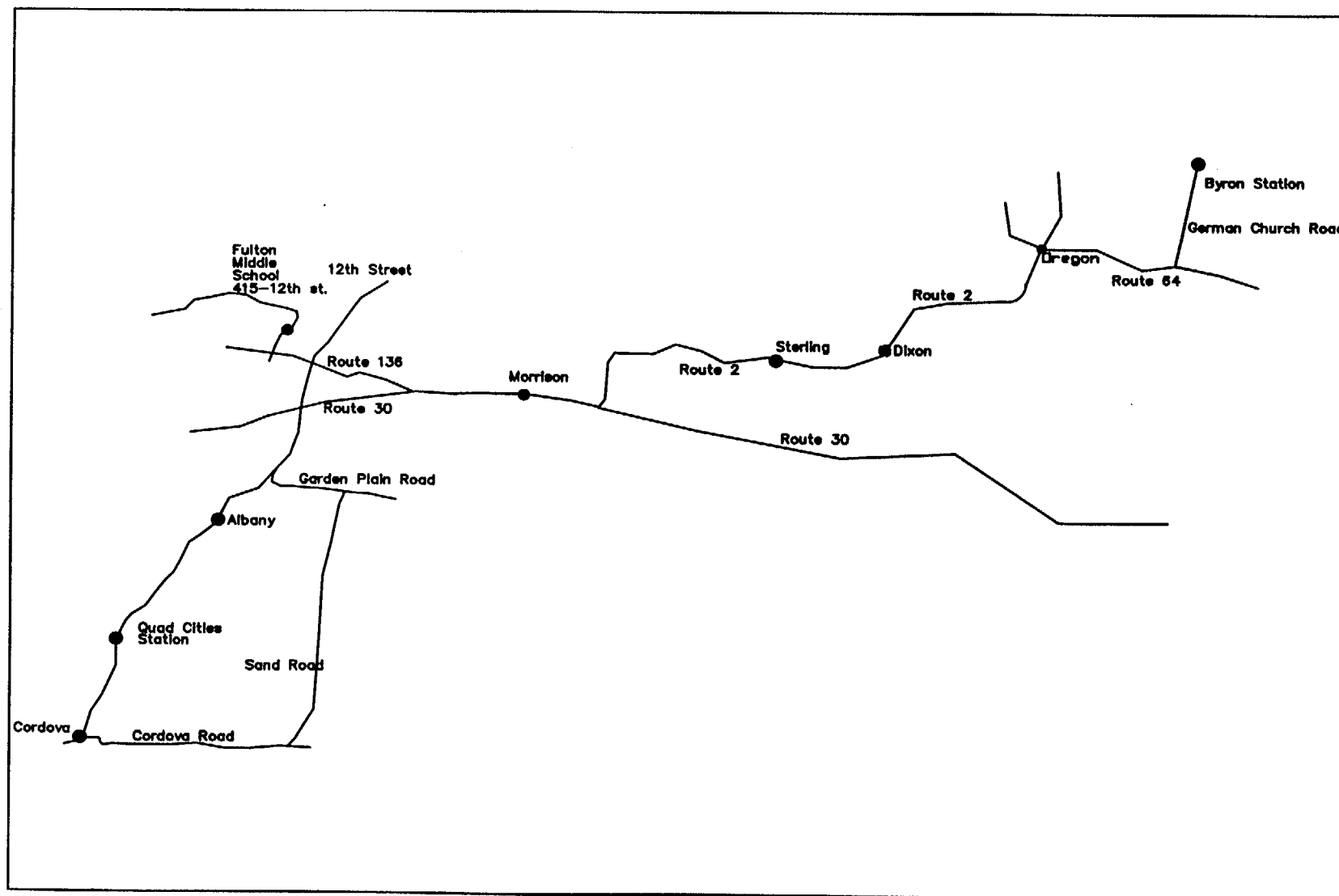
SITE EVACUATION MAP
(For Wind Direction From the SOUTH)



SITE EVACUATION MAP
(For Wind Direction From the NORTH)



SITE EVACUATION MAP
(To Byron Station From Fulton Junior High School)



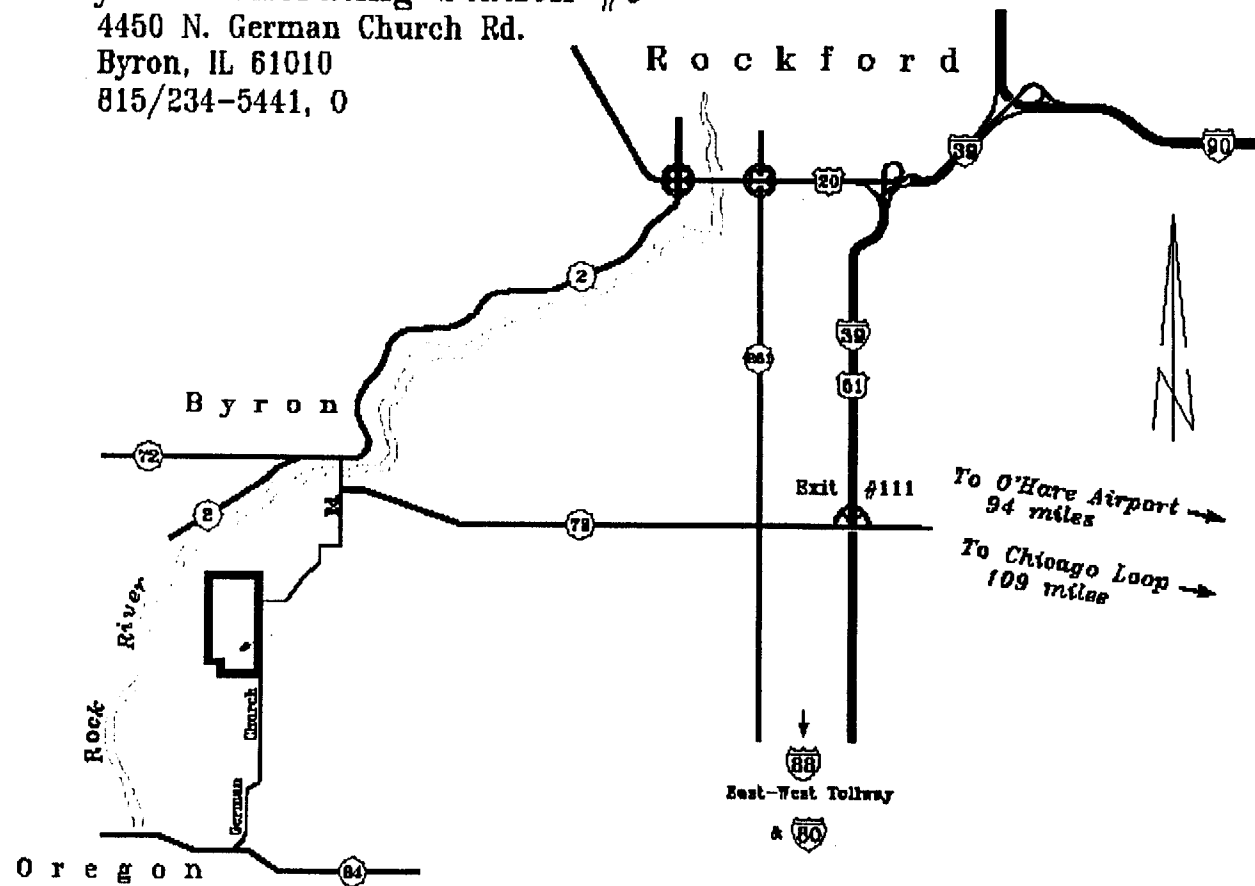
SITE EVACUATION MAP
(To Byron Station - Alternate Relocation Center)

Byron Generating Station #6

4450 N. German Church Rd.

Byron, IL 61010

815/234-5441, 0



Y&L Tech Supp Corp. 800/444-4444