

U. S. NUCLEAR REGULATORY COMMISSION

REGION III

Reports No. 50-254/88002(DRSS); 50-265/88002(DRSS)

Docket Nos. 50-254; 50-265

Licenses No. DRP-29; DPR-30

Licensee: Commonwealth Edison Company  
Post Office Box 767  
Chicago, IL 60690

Facility Name: Quad Cities Nuclear Generating Station, Units 1 and 2

Inspection At: Quad Cities Station, Cordova, Illinois

Inspection Conducted: January 5-7, 1988

Meeting Conducted: January 8, 1988

Inspector: *Thomas J. Ploski*  
Thomas J. Ploski

*1/27/88*

Date

Approved By: *Thomas J. Ploski for*  
William Snell, Chief  
Emergency Preparedness Section

*1/27/88*

Date

Inspection Summary

Inspection on January 5-7, 1988 (Reports No. 50-254/88002(DRSS);  
No. 50-265/88002(DRSS))

Areas Inspected: Special, announced followup inspection on items identified during the November 1987 routine inspection, plus initial review of licensee initiatives to improve the emergency preparedness program at the Quad Cities Station. The inspection involved one NRC inspector.

Results: No violations of NRC requirements and no deviations from commitments were identified during the inspection.

## DETAILS

### 1. Persons Contacted

- \*N. Kalivianakis, General Manager - BWR Stations
- \*\*R. Bax, Station Manager
- \*D. Farrar, Nuclear Services Technical Manager
- \*D. Butterfield, Nuclear Licensing Manager
- \*\*R. Robey, Services Superintendent
- \*\*\*G. Spedl, Assistant Superintendent, Technical Services
- \*\*J. Golden, Supervisor of Emergency Planning
- \*\*T. Gilman, Emergency Planning Supervisor
- \*\*J. Neal, Training Supervisor
- \*\*J. Sirovy, Rad Chem Supervisor
- \*\*P. Skiermont, GSEP Coordinator
- \*\*C. Brown, GSEP Coordinator
- \*\*K. Schmidt, Training Instructor
- \*F. Krowzack, Assessment Supervisor
- \*I. Johnson, Nuclear Licensing Administrator
- \*\*C. Norton, Quality Assurance Engineer
- \*N. Digrindakis, Regulatory Assurance Engineer
- \*\*V. Everett, Emergency Planning Contractor

\*Attended only the January 8 meeting.

\*\*Attended the January 7 and January 8 meetings.

\*\*\*Attended only the January 7 meeting.

### 2. Licensee Action on Previously Identified Items

(Closed) Item Nos. 254/86017-04 and 265/86017-04: Walkthroughs with Rad Chem Technicians (RCTs) indicated that they did not adequately know the correct procedure for collecting onsite air samples. Over 50 persons had been identified on the emergency organization callout list as RCTs. Adequate remedial training had been provided in April 1987 to persons on the list who were also assigned to the Rad Chem Department. However, the remedial training had not been provided to approximately 12 persons from various departments who would only function as RCTs following an emergency plan activation. Based on a review of the current callout procedure revision and discussions with cognizant personnel, it was determined that 37 members of the Rad Chem Department who all had received the remedial training were listed as RCTs in the callout procedure. The other persons had been deleted from the callout list. This item is closed.

(Open) Item No. 265/87031-01: A Severity Level IV Violation was issued for the untimely initial notification of the NRC following the SCRAM and ECCS discharge on October 19, 1987. By correspondence dated January 4, 1988, the licensee committed to short and longer-term corrective actions. Based on records review, it was determined that the short-term corrective action of having all Shift Engineers (SEs), Station Control Room Engineers (SCREs), and Operating Engineers receive remedial training on NRC notification requirements had been completed on schedule during November 1987. These personnel were required to read a detailed "Immediate Notification Awareness" document that addressed each 10 CFR 50.72 notification requirement and summarized several late notification situations that occurred during 1987. A copy of this document and the NRC's Event Notification Worksheet had also been placed in the Control Room.

The licensee's longer-term corrective action was to upgrade training on NRC notification requirements during the periodic Senior Reactor Operator requalification training program. Development of the revised emergency planning training portion of this program was scheduled to be completed in April 1988. This item will remain open pending completion of the longer-term corrective action.

(Closed) Item Nos. 254/87031-01 and 265/87031-02: The licensee committed to develop and complete the 1987 training program for all onsite emergency organization personnel by December 31, 1987. Based on a review of training department records and the current emergency organization callout list, it was determined that all personnel had successfully completed all required training on schedule. This item is closed.

(Closed) Item Nos. 254/87031-02 and 265/87031-03: The licensee committed that the 1987 emergency preparedness training program would be conducted by qualified training instructors, utilizing a combination of Emergency Plan Implementing Procedures (EPIPs) and approved lesson plans relevant to the needs of specific emergency positions. Based on records review, it was determined that the 1987 training had been provided by qualified instructors from the Quad Cities, Braidwood, and Byron Stations and the licensee's corporate emergency planning staff. The training typically was a mixture of required readings of relevant EPIPs plus training sessions that utilized approved modules for specific emergency positions. Examinations were given at the end of the training. This item is closed.

(Open) Item Nos. 254/87031-03 and 265/87031-04: The licensee committed to define the 1988 training program for the onsite emergency organization by March 31, 1988. The 1988 training schedule was under development at the time of this inspection. Personnel from the Quad Cities Station planned to visit training department staffs at several of the licensee's other nuclear stations to obtain additional examination materials and other information intended to upgrade the 1988 training effort at Quad Cities. This item remains open.

(Open) Item Nos. 254/87031-04 and 265/87031-05: The licensee's audit provisions for an annual evaluation of the adequacy of the Station's interface with offsite support organizations was not complete during the November 1987 inspection. Quality Assurance (QA) staff based at the Quad Cities Station conducted another independent audit of the program in December 1987. Offsite agency interface and the adequacy of that interface were both addressed in that audit. However, QA staff considered it essential to include the annual meeting with offsite support agencies in their overall evaluation of the adequacy of the Station's interface with these groups. Due to severe weather on December 15, 1987, the scheduled meeting with offsite support agencies was postponed to a mutually acceptable date in early February 1988. QA staff planned to attend that meeting to complete their assessment of the quality of the Station's interface with offsite support groups. This Unresolved Item will remain open pending NRC evaluation of the licensee's evaluation of offsite agency interface.

(Open) Item Nos. 254/87031-05 and 265/87031-06: The licensee must re-establish and implement an adequate administrative system for determining, documenting, and tracking corrective actions on items identified in internal drill and exercises critiques plus improvement items identified in other program evaluations. By April 1988, the licensee planned to compile a list of outstanding items from such sources and to utilize the Regulatory Assurance Department's Nuclear Tracking System (NTS) as a means of tracking these items through completion of corrective action. This item remains open.

(Open) Item Nos. 254/87031-06 and 265/87031-07: A Severity Level IV Violation was issued due to the failure to update and issue the fourth quarter 1987 revision to the Prioritized Notification Listing (Procedure QEP 310-T3) utilized to identify members of the onsite emergency organization. The listing for the first quarter 1988 was issued on schedule. By correspondence dated January 4, 1988, the licensee committed to several corrective actions to prevent recurrence of this problem. The need to update QEP 310-T3 will be included on the Station's Nuclear Tracking System so that responsible personnel will be given about six weeks notice to begin preparation of the next quarterly update to this procedure. Procedure QEP 560-1, Scheduling of GSEP Surveillance Requirements, was also being revised to better address the need to update QEP 310-T3 on a quarterly basis. Completion of both corrective actions was scheduled for January 31, 1988. This item remains open.

(Closed) Item Nos. 254/87031-07 and 265/87031-08: The licensee should ensure that there are adequate numbers of qualified personnel (at least three persons for each position with no overlap) for both the Rad Chem and Onsite Environs Director positions to better maintain a 24-hour staffing capability. A review of training records and the current revision of the callout procedure (QEP 310-T3) indicated that four different persons had been trained and listed for each of these positions. This item is closed.

(Closed) Item Nos. 254/87031-08 and 265/87031-09: The licensee should identify in the Prioritized Notification Listing (QEP 310-T3) sufficient numbers of appropriately trained communicators and status board plotters (recorders) as part of the Technical Support Center (TSC) staff. Based on training records review and review of the current revision of QEP 310-T3, three persons were available for the Station Director's Communicator position, which included responsibilities for monitoring the Emergency Action Levels (EALs) and offsite Protective Action Recommendation (PAR) procedural guidance. Eleven persons had also been trained and listed for TSC communicator/recorder duties. This item is closed.

3. Operational Status of the Emergency Preparedness Program (82701)  
(Also 82204)

On January 8, 1988 a management meeting was held at the Quad Cities Station to discuss actions the licensee was taking to upgrade the performance of the emergency preparedness program in response to NRC-identified and self-identified concerns. Station and corporate licensee personnel gave presentations on the improvement program they had developed. The improvement program was an aggressive and well thought out plan to not only improve the program at Quad Cities, but also at the licensee's other nuclear generating stations. It was indicated to the licensee that the NRC was pleased with the improvement program they had established and that, if successfully implemented, it should reestablish an above average emergency preparedness program at the Quad Cities Station. Attachment 1 is a copy of the handout material, including the agenda, from the meeting. Section 1 of this report indicates the meeting attendees. Additional information on selected program improvements is provided in the following subsections.

a. Emergency Plan and Implementing Procedures

The licensee has hired a consultant to upgrade the Station's EIPs (QEP-series procedures). That individual was already onsite during this inspection. It was decided that the upgrade would be more efficiently and thoroughly done by assigning lead responsibility to someone having outside experience in such tasks, and no day-to-day responsibilities for other aspects of the program. The EIP upgrade task was scheduled for completion in April 1988, so that required training on the revisions can be completed before the 1988 exercise.

The licensee planned to complete the onsite and offsite review of the Station's revised EALs in late April 1988. It was intended that the upgraded EALs would be ready for use by July 1988. The licensee planned to submit the revised EALs for NRC review prior to implementation. Depending on their similarity in format and technical bases to revised EALs previously submitted and reviewed for two of the licensee's other nuclear stations, the July 1988 implementation date may be optimistic. The staff's understanding that revised EALs for several of the licensee's other stations are also planned for NRC submittal during the first or second quarter of 1988 may also have an adverse impact on the target July 1988 implementation date for the Quad Cities Station's revised EALs.

Based on the above findings, this portion of the licensee's program was acceptable.

b. Organization and Management Control

The current GSEP Coordinator had been assigned that responsibility and the duties of GSEP Training Instructor in the Summer of 1987. By December 1, 1987, the former GSEP Coordinator had been reassigned as a second GSEP Coordinator, while an individual from the Station's Tech Staff had been appointed as the GSEP Training Instructor. All three positions were full-time assignments. The need for two full-time coordinators will likely be reevaluated at the end of 1988. To improve work efficiency and to better acquaint the newly appointed instructor with GSEP, the three individuals had relocated their workspaces to the TSC.

The Lead Health Physicist had been deleted from the coordinators' reporting chain to the Station Manager. The coordinators have been participating with management in weekly working meetings to discuss current and proposed tasks, and to help develop the action plan attached to this report. Both coordinators exhibited positive attitudes towards their job and were very positive about the quantity and quality of support they had been receiving from Station management and the corporate emergency planning organization. Specific examples of this increased management attention and support are described in this inspection report and are summarized in the attached improvement program document. A number of the improvements scheduled or already in progress go beyond the specific concerns tracked by the NRC as a result of the November 1987 inspection.

Based on the above findings, this portion of the licensee's program was acceptable.

c. Training (Also 82206)

The licensee was developing the 1988 emergency preparedness training schedule for the onsite emergency organization. The licensee has committed to finalize this schedule by March 31, 1988. Due to the EPIP upgrade project scheduled for completion in April 1988, the 1988 training was planned to take place throughout the last nine months of the year. This represents an improvement over the 1987 training program which had been scheduled mainly for December 1987. At this time, the licensee anticipated that training on revised EPIPs would be accomplished by required readings of relevant EPIPs during May. The draft training schedule also included provisions for quarterly tabletop drills, the first of which occurred in late December 1987.

The licensee has detailed to the Quad Cities Station a member of the Production Training Center (PTC) staff to assist the recently appointed GSEP Training Instructor in finalizing the 1988 training program and in establishing the administrative systems to track and document the training provided to members of the onsite emergency organization. This individual has a background in GSEP and is a certified instructor. His duties will likely also include



conducting some training sessions. The licensee also intended that both GSEP Coordinators will also assist in the annual training effort. One of these individuals already is a certified instructor, and the other will likely complete instructor training requirements sometime during 1988. The licensee intended to use both coordinators as backup instructors to the GSEP Training Instructor.

In response to several improvement items in the November 1987 inspection report plus some internal concerns, the licensee planned to upgrade the training program for the GSEP Coordinator position and to better define the GSEP training program for the GSEP Training Instructor position. The target date for completing these tasks was mid-May 1988.

Based on the above findings, this portion of the licensee's program was acceptable.

#### 4. Shift Staffing and Augmentation (82205)

As indicated in Section 1 of this report, the licensee has either completed or made progress on completing corrective actions on several concerns regarding the provisions for augmenting onshift personnel following an emergency declaration. A review of the current Prioritized Notification Listing (QEP 310-T3) indicated good progress toward achieving management's goal of having four trained persons for each director position in the TSC, with no individual being listed for more than one position. During the next six months, the licensee also plans to increase the number of TSC communicators/recorders from the current eleven to approximately twenty-five. These personnel would be identified by area of expertise in the callout procedure to better ensure that a director can be provided with a communicator/recorder having a technical background best suited to the director's needs.

During the first quarter of 1988, the licensee also plans to investigate improved paging systems to better ensure that additional key personnel can be promptly notified following an emergency declaration. Corporate staff has been assigned the lead responsibility for investigating paging system options for implementation at the Quad Cities Station and possibly other locations.

Based on the above findings, this portion of the licensee's program was acceptable.

#### 5. Control Room Readouts of Onsite Meteorological Data

One improvement item identified during the 1982 Emergency Preparedness Implementation Appraisal (EPIA) was the need for readouts of atmospheric stability and several levels of onsite wind speed and direction data in the Control Room. Such data were readily available to TSC, EOF, and Corporate Command Center emergency response personnel. The licensee's reply to this improvement item was that the "A-model" would be installed in the Control Room to provide operators with these onsite meteorological data, plus an offsite dose projection and an offsite protective action

recommendation in the event of an abnormal, monitored radioactive release that exceeded values specified in the Station's EALs. The currently approved schedule indicated that the A-model would be operable at the Quad Cities Station in January 1989.

A tour of the Control Room revealed that currently available readouts of onsite meteorological data consisted of one dial indicating instantaneous wind speed and another dial indicating instantaneous wind direction data. The licensee is required to inform the NRC of any significant changes to the A-model installation schedule.

Based on the above findings, this portion of the licensee's program was acceptable.

6. Exit Interview

On January 7, 1988 the inspectors met with those licensee representatives identified in Section 1 to discuss the preliminary inspection findings. On January 8, the inspectors met with a similarly identified group of licensee representatives to discuss the Emergency Preparedness Improvement Program. The licensee indicated that none of the matters discussed were proprietary in nature.

Attachment: Emergency Preparedness  
Improvement Program Document



## A G E N D A

- I. INTRODUCTION R. L. BAX
- II. CORPORATE PRESENTATION
  - A. CORPORATE OVERVIEW AND MANAGEMENT PLAN D. FARRAR
  - B. ASSESSMENTS F. KROWZACK
  - C. SALP I GSEP PROGRAM T. GILMAN
- III. STATION PRESENTATION
  - A. ACTIONS ACCOMPLISHED P. SKIERMONT
  - B. ACTION PLAN P. SKIERMONT
  - C. EXAMPLES OF SPECIFIC ACTION ITEMS P. SKIERMONT
- III. CONCLUDING REMARKS R. L. BAX

## EMERGENCY PREPAREDNESS IMPROVEMENT PROGRAM

In an effort to upgrade the performance of Quad Cities Station in the area of Emergency Preparedness, the station has undertaken an extensive program using internal resources for self-examination as well as outside assistance in the form of corporate Emergency Planning and INPO.

The action items herein are a compilation of weaknesses and improvement items that are self-identified or a result of recent evaluations. This program contains both strategic goals with associated action plans as well as items that address specific deficiencies.

This plan defines the intent of Quad Cities Station with regards to improving our emergency preparedness program. This plan will serve as a working document; therefore, it is certain to evolve and change to even more effectively improve our Emergency Preparedness Program.

Approved

Richard S. Byers

## EMERGENCY PLANNING ACTION ITEMS INDEX

Legend for the  
- ORIGIN OF ACTION ITEMS -  
N - NRC                      v - Violation/finding  
S - Self                     o - Open Item/observation  
Q - QA                        i - Improvement items

### ADMINISTRATIVE ACTION ITEMS.....Z.RUDY

Page	Origin	Action Item
1	Si	1. Create a system to provide advance notification of job assignment changes to ensure completion of required GSEP training.

### CORPORATE EMERGENCY PLANNING ACTION ITEMS.....J.GOLDEN/T. GILMAN/et.al.

Page	Origin	Action Item
2	Si	1. Develop criteria for relocation center activation and associated activities.
3	No	2. Update the ODCS programs to improve their "user friendliness".
4	Si	3. Install the "A Model" offsite dose assessment program at Quad Cities.
5	Si	4. Provide internal documentation for justification of extending the shelf life of KI.
6	No	5. Create a program to provide improved dose assessment training.
7	Si	6. Revise the HEP questionnaire to identify persons who are allergic to iodine.
8	Si/NI	7. Increase pager distribution and range at Q.C. for key directors. Investigate the possibility and cost effectiveness of an auto-dial phone system for use at Q.C.

\* EMERGENCY PLANNING COORDINATORS ACTION ITEMS.....P.SKIERMONT/C.BROWN

Page	Origin	Action Item
9	SI	1. Review QEP's to identify areas where procedures need to be improved and/or new procedures created.
11	SI	2. Reorganize the Emergency Planning filing system.
12	SI	3. Increase the number of directors to a minimum of four (4) for each position and identify more communicators/recorders.
13	SI	4. Formalize the routing of GSEP activation investigations and critiques of drills and exercises.
14	SI	5. Arrange for an INPO programmatic assist visit.
15	SI	6. Visit other SALP 1 utilities to review their program for improvement ideas.
16	Co/SI	7. Visit local officials and agencies with on-site support responsibilities.
17	Qv/No	8. Utilize the NTS tracking system.
18	Nv	9. Develop and implement an improved EP surveillance documentation system.

MANAGEMENT (OPERATION) ACTION ITEMS.....G.TIETZ

Page	Origin	Action Item
19	Nv	1. Identify a person to be responsible for initial notifications in the control room.

MANAGEMENT (TECHNICAL) ACTION ITEMS.....R.ROBEY/G.SPEDL

Page	Origin	Action Item
20	SI(N)	1. Create a team responsible for the development of the 1988 exercise scenario and assist training in the development of tabletop scenarios for 1988.
21	SI	2. Develop and implement generic EAL's.

RADIATION CHEMISTRY ACTION ITEMS.....J.SIROVY/P.BEHRENS

Page	Origin	Action Item
22	Ni	1. Develop and implement an HRSS procedure check lists.
23	Si	2. Identify deficiencies, develop and implement a plan to improve HRSS operability.

TRAINING ACTION ITEMS.....J. NEAL/E. COLE/K. SCHMIDT

Page	Origin	Action Item
24	Qo/No	1. Develop and implement a 1988 GSEP training program by the end of the First Quarter.
26	Qv/Ni	2. Develop training programs for the EP coordinator and trainer that include knowledge of EP regulations.
28	Nv	3. Develop and conduct enhanced EAL training.
29	Si	4. Provide environs training to include field work for all RCT's and forumen as a part of annual retraining.
30	Si	5. Develop an expanded EP module for station annual retraining which clarifies expected actions during assemblies.
31	Si	6. Formalize the lesson plan for off-site agency training.

ADMINISTRATIVE ACTION ITEM #1

Create a system to provide advance notification of job assignment changes to ensure completion of required GSEP training.

1. Coordinate with department heads to determine the most reliable means of insuring notification prior to personnel assignment changes.

Target date 1-22-88.

Status:

2. Meet with Training and EP Coordinator to draft document to control reassignment notification.

Target date 2-5-88.

Status:

3. Reassignment notification control system approved and implemented.

Target date 3-4-88.

Status:



CORPORATE EMERGENCY PLANNING ACTION ITEM #1

Develop criteria for relocation center activation and associated activities.

1. Develop criteria needed for identifying relocation centers per CECO nuclear plants. Identify relocation centers per Q.C. Station.

Target date 1-31-88

Status: 1-31-88. In Progress.

2. Write procedure for relocation center activation taking into account areas of concern for use of these centers.

Target date 2-29-88

Status:

3. Issue procedure on relocation center activation to all nuclear stations.

Target date 3-31-88

Status:

CORPORATE EMERGENCY PLANNING ACTION ITEM #2

Update the ODCS programs to improve their "User Friendliness".

1. Obtain comments on human factor's review of ODCS programs conducted in 1987.

Target date 1-31-88

Status: Review complete

2. Update ODCS programs to include human factor's review comments and manual steps.

Target date 12-30-88

Status: Manual steps removed.

CORPORATE EMERGENCY PLANNING ACTION ITEM #3

Install the "A Model" offsite dose assessment program at Quad Cities.

1. Formalize design of the Q.C. A-Model.

Target date 10-31-88

Status:

2. Complete coding of A-Model programs.

Target date 11-30-88

Status:

3. Complete corporate and station field testing.

Target date 1-31-89

Status:

CORPORATE EMERGENCY PLANNING ACTION ITEM #4

Provide internal documentation for justification of extending the shelf-life of KI.

1. Issue a letter to the medical department requesting a letter to justify KI shelf-life extension.

Target date 12-24-87

Status. Complete

2. Medical department responds to the shelf-life extension justification request.

Target date 1-31-88.

Status:

CORPORATE EMERGENCY PLANNING ACTION ITEM #5

Create a program to provide improved dose assessment training.

1. Set up and conduct an in-depth training seminar on dose assessment and meteorology.

Target date 9-30-88

Status:

CORPORATE EMERGENCY PLANNING ACTION ITEM #6

Revise the HEP questionnaire to identify persons who are allergic to iodine.

1. Issue a letter to the medical department requesting a change to the HEP questionnaire.

Target date 12-24-87.

Status: Complete

2. Medical department responds to the questionnaire change request.

Target date 3-31-88.

Status:



CORPORATE EMERGENCY PLANNING ACTION ITEM #7

Increase pager distribution and range at Q.C. for key directors.  
Investigate the possibility and cost effectiveness of an auto-dial phone system for use at Q.C.

1. Identify the pager options for Q.C. and issue letter to the plant manager.

Target date 1-31-88.

Status:

2. Quad Cities to implement options identified in step one if any.

Target date 3-1-88.

Status:

3. Investigate the company position on auto-dial phone systems and issue recommendation letter to Lou-Dei George.

Target date 3-31-88.

Status:

EMERGENCY PLANNING COORDINATORS ACTION ITEM #1

Review the QEP's to identify areas where procedures need to be improved and/or new procedures created.

1. Write Purchase Order for contractor assistance, including a single source letter.

Target date 12-23-87.

Status: P.O. written on 12-22-87.

2. Purchase Order clears Purchasing.

Target date 1-4-88.

Status: P. O. Number 318459 assigned 12-31-87.

3. Procedure rewrite contractor begins work.

Target date 1-11-88.

Status: Vince Evert (GENSYS) will start 1-7-88.

4. Have QEP rewrite completed and procedures submitted for word processing.

Target date 4-11-88.

Status:

EMERGENCY PLANNING COORDINATORS ACTION ITEM #1 (Continued)

5. All affected QEP's incorporated into books.

Target date 6-6-88.

Status:

6. All persons trained about the changes to their position responsibilities caused by the QEP revisions.

Target date 5-30-88.

Status: Projected to be a required reading package.

EMERGENCY PLANNING COORDINATORS ACTION ITEM #2

Reorganize the Emergency Planning filing system.

1. Obtain clerical assistance from Central File Supervisor.

Target date 1-4-88.

Status: Arrangements made 1-4-88.

2. Clerk to start working with EP staff on filing system organization.

Target date 1-11-88.

Status:

3. New filing system completed.

Projected completion date: 2-26-88.

Status:

EMERGENCY PLANNING COORDINATORS ACTION ITEM #3

Increase the number of directors to a minimum of four (4) for each position and identify more communicators/recorders.

1. All people required to fill the positions have been identified.

Target date 1-16-88.

Status:

2. Begin training candidates identified for their new position.

Target date 2-1-88.

Status:

3. EPC submit revised augmentation list to include any newly trained personnel.

Target date 2-17-88.

Status:

#### EMERGENCY PLANNING COORDINATORS ACTION ITEM #4

Formalize the routing of GSEP activation investigations and critiques of drills and exercises.

Short Term starting 1-11-88.

1. a. Route all future investigations and critiques with a standard routing slip to station management.
- b. Route a copy of all future investigations and critiques to participants of the event.
- c. Route a copy of all future investigations and critiques to corporate E.P. with copies of NARS forms.
2. Incorporate routing slip and all comments into the investigation package.

Long Term.

3. Draft a procedure to describe the routing of GSEP activation investigations as well as reports of drill and exercise critiques.

Target date 4-11-88.

Status:

4. Routing procedure is complete, approved and implemented.

Target date 6-6-88.

Status:

5. Assign a person from Regulatory Assurance to review all LER's/DVR's for potential GSEP requirements.

Target date 2-15-88.

Status:



EMERGENCY PLANNING COORDINATORS ACTION ITEM #5

Arrange for an INPO programmatic assist visit.

1. Contact INPO to determine their availability for a programmatic assist visit.

Target date 12-28-87.

Status: INPO contacted on 12/14/87.

2. Schedule visit after consult with station management and corporate E.P.

Target date 2-1-88.

Status: Tentative schedule:

INPO will visit to assist with corporate assessment during first week of February, 1988.

INPO will return for an assist-visit during the second half of 1988.

# EMERGENCY PLANNING COORDINATORS ACTION ITEM #6

Visit other SALP 1 utilities to review their program for improvement ideas.

1. Work with INPO, NRC, and corporate E.P. to identify appropriate utilities.

Target date 3-1-88.

Status: Currently researching appropriate utilities for visit with Corporate E.P., INPO, and NRC.

2. Determine evaluation criteria to be used during visits create/develop an evaluation technique which will help insure objectivity.

Target date 3-31-88.

Status:

3. Schedule at least two visits to be completed during 1988.

Projected dates: First visit - second quarter of 1988.  
Second visit - fourth quarter of 1988.

Status:

EMERGENCY PLANNING COORDINATORS ACTION ITEM #7

Visit local officials and agencies with on-site support responsibilities.

1. Contact Brenner to find out what is currently done.

Target date 2-1-88.

Status: Brenner has been contacted and his input incorporated into action plan. (1-5-88)

2. Make arrangements to start visits.

Target date 02-29-88.

Status:

3. Invite local officials to the station to tour and/or observe facilities or planned EP activities.

Target date 6-15-88.

Status:

4. The goal is to visit officials and agencies with on-site support responsibilities twice a year in addition to the annual training.

Projected commencement date is second quarter of 1988.

Status:

EMERGENCY PLANNING COORDINATORS ACTION ITEM #8

Utilize the NTS tracking system.

1. Enter into NTS items from the last NRC inspection and on-site QA audit.

Target date 2-15-88.

Status:

2. Initiate use of NTS to track ongoing program improvements suggestions.

Target date 2-15-88.

Status:

3. Research station EP files for any improvement items, open items or findings that we may have had in calendar year 1987 during any drill, exercise or audit.

Target date 4-1-88.

Status:

EMERGENCY PLANNING COORDINATORS ACTION ITEM #9

Develop and implement an improved EP surveillance documentation system.

1. Improved NTS data forms and instructions for use of the form will be created to simplify the use of NTS. (Action by Regulatory Assurance)

Target date 1-22-88.

Status:

2. Use NTS to track the status of action items associated with the surveillance documentation system.

Target date 2-15-88.

Status:

3. New surveillance documentation system complete.

Target Completion Date 3-21-88.

Status:

MANAGEMENT (OPERATIONS) ACTION ITEM #1

Identify a person to be responsible for initial notifications in the control room.

1. Review shift manning vs. responsibilities and determine the position best able to perform the initial notification.

Target date 1-29-88.

Status:

2. Inform affected individuals of the addition to their position responsibilities and insure that they understand the requirements of that assignment.

Target date 2-29-88.

Status:



MANAGEMENT (TECHNICAL) ACTION ITEM #1

Create a team responsible for the development of the 1988 exercise scenario and assist training in development of tabletop scenarios for 1988.

1. Identify individual team members and begin to coordinate schedules.

Target date 2-12-88.

Status:

2. Publish Scenario Development Team Meeting Schedule

Target date 2-19-88.

Status:

3. Conduct Scenario Development Team Meetings.

Projected start date 2-26-88.

Status:

4. Provide input to Training Department on development of three tabletop exercises for 1988.

Target date 4-1-88.

Status:

MANAGEMENT (TECHNICAL) ACTION ITEM #2

Develop and Implement Generic EAL's.

1. Obtain calculated values from S&L for site specific EAL's.

Target date 3-31-88

Status: March 31, 1988 is current committed date by S&L.

2. Prepare Station comments and On-site Review of Quad Cities Generic EAL's.

Target date 4-29-88

Status:

3. Submit generic EAL for NRC review.

Target date 5-16-88.

Status:

4. Implement Generic EAL's.

Target date 6-30-88

Status:

RADIATION CHEMISTRY ACTION ITEM #1

Develop and implement an HRSS procedure check list.

1. Submit a procedure revision request to add a place for checks for each operating step in HRSS procedures.

Target date 1-15-88

Status:

2. Have procedure revisions complete.

Target date 8-15-88.

Status:

## RADIATION CHEMISTRY ACTION ITEM #2

Identify deficiencies, develop and implement a plan to improve HRSS operability.

1. Develop a list of equipment in the HRSS building, identifying key equipment.

Target date 1-15-88

Status:

2. Determine which equipment will not be maintained and get concurrence of E.P. Coordinator

Target date 1-30-88

Status:

3. Determine resources needed to get current out-of-service equipment operable.

Target date 2-15-88

Status:

4. Revise HRSS equipment downtime procedure to require monthly report to E.P. Coordinator on equipment OOS for over 30 days.

Target date 4-30-88.

Status:

5. Provide monthly update to E.P. Coordinator on status of getting equipment operable.

Target date 6-30-88.

Status:

TRAINING ACTION ITEM #1

Develop and implement a 1988 GSEP training program by the end of the First Quarter.

1. Obtain assistance from the Production Training Department to develop program.

Target date 1-11-88.

Status: A. Mosel scheduled to arrive QC on 1-11-88.

2. Observe GSEP training programs at Byron, LaSalle, and Braidwood stations.

Target date 3-15-88.

Status: Byron visit on 12-21-87, Braidwood and LaSalle's visits in January/February.

3. Enhance current lesson plans, and review and approve all lesson plans to be site-specific.

Target date 3-31-88.

Status:

4. Establish tentative training schedule.

Target date 1-4-88.

Status: Complete 12-23-87.

TRAINING ACTION ITEM #1 (Continued)

5. Establish finalized training schedule for 1988.

Target date 3-28-88.

Status:

6. Conduct training per 1988 schedule.

Target date starting 4-4-88.

Status:

7. Develop Tabletop scenarios for Quarterly Tabletop Drills.

Target date 4-25-88 for second quarter drill.

Status:

8. Conduct Tabletop Drills.

Target date as per schedule starting 5-2-88.

Status: Final 87 Tabletop performed 12-30-87.

## TRAINING ACTION ITEM #2

Develop training programs for the EP coordinator and trainer that include knowledge of EP regulations.

1. Obtain corporate guidance for content of training programs.

Target date 2-1-88.

Status:

2. Formalize the training program for EPC & EPT (by Corp. EP).

Target date 3-15-88.

Status:

3. Develop QTI to delineate EP Trainer Qualifications.

Target date 4-1-88.

Status:

4. Implement EP coordinator and trainer programs.

Target date 4-15-88.

Status:

TRAINING ACTION ITEM #2

5. Obtain Level I Instructor's Certification for EP trainer.

Target date 1-(18-29)-88

Status: Scheduled.

6. Schedule EP Coordinator's attendance at BIC to insure continuity of EP training in the event of EP trainers absence.

Target date 6-88.

Status:



TRAINING ACTION ITEM #3

Develop and conduct enhanced EAL training.

1. Review License Retraining Program and upgrade semi-annual GSEP EAL training to include emphasis on QAP 1290-1, Reporting Requirements.

Start date 2-23-88

Status:

#### TRAINING ACTION ITEM #4

Provide environs training to include field work for all RCT's and foremen as a part of annual retraining

1. Contact the Production Training Department/Corporate EP for guidance in conducting field training. Submit TAI if necessary.

Target date 2-1-88.

Status: Completed by T.G. (CEP) on 12-30-87.

2. Establish scope of fieldwork training.

Target date 2-29-88.

Status:

3. Develop and obtain training materials.

Target date 5-30-88.

Status:

4. Conduct training.

Target date 10-31-88 to completion.

Status:

# TRAINING ACTION ITEM #5

Develop an expanded EP module for station annual retraining which clarifies expected actions during assemblies.

1. Using Production Training Department's EP module 68 as a base, begin development of develop an expanded training module to demonstrate expected actions during an assembly while in a declared GSEP classification.

Target date 3-14-88.

Status:

2. Conduct Station Training about expected actions during an assembly by short lecture and/or video and then Q & A during department meetings, safety meetings, tailgate meetings, etc.

Target date 2nd Quarter 1988.

Status:

3. Incorporate the expanded training module 68 into station annual retraining.

Target date 3rd Quarter 1988.

Status:

TRAINING ACTION ITEM #6

Formalize the lesson plan for off-site agency training.

1. Create a lesson plan to embrace the guidelines of Section 8 of the GSEP Manual by using the current corporate N-GET program text as a base.

Target date 7-1-88.

Status:

2. Conduct off-site training.

Target date 9-30-88.

Status: