

U. S. ATOMIC ENERGY COMMISSION
DIRECTORATE OF REGULATORY OPERATIONS

REGION III

RO Inspection Report No. 050-010/73-05
RO Inspection Report No. 050-237/73-06
RO Inspection Report No. 050-249/73-07

Licensee: Commonwealth Edison Company
P. O. Box 767
Chicago, Illinois 60690

Dresden Nuclear Power Station
Units 1, 2, and 3
Morris, Illinois

Licenses No. DPR-2,
No. DPR-19,
& No. DPR-25
Category: C

Type of Licensee: GE BWR
210 Mwe, 809 Mwe, and 809 Mwe

Type of Inspection: Announced

Dates of Inspection: November 13 - 16, 1973

Dates of Previous Inspection: October 1-5, 11-12, and 17, 1973
(Operations)

Principal Inspector: *G. T. Lonergan*
G. T. Lonergan

1/7/74
(Date)

Accompanying Inspectors: None

Other Accompanying Personnel: None

Reviewed By: *J. A. Pagliaro*
J. A. Pagliaro, Senior Environmental Scientist
Environmental and Special Projects Section

1/7/74
(Date)

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SUMMARY OF FINDINGS

Enforcement Action: None

Licensee Action on Previously Identified Enforcement Items

No previously identified enforcement items within the scope of this inspection.

Unusual Occurrences: None

Other Significant Findings

A. Current Findings

The Dresden Station Emergency Plan (DSEP) as revised and approved on October 16, 1972, was the subject of this inspection. Items identified during the course of this inspection requiring resolution include the following:

1. Updating of emergency telephone listings. (Paragraph 3)
2. Specification of frequency for:
 - a. Conduct of emergency drills
 - b. Conduct of emergency training and retraining
 - c. Review and update of the emergency plan and associated emergency procedures (Paragraphs 5 and 6.a)
3. Provision for expediting approval and distribution of new and revised portions of the emergency plan and implementing procedures. (Paragraph 6.b)
4. Development and implementation of an approved emergency procedure for coping with a bomb threat. (Paragraph 7)
5. Development of protective action levels for implementing offsite protective measures. (Paragraph 8)

B. Status of Previously Reported Unresolved Items

No previously reported unresolved items within the scope of this inspection.

Management Interview

A management interview was conducted with Messrs. Morris, Pavlick, and Williams at the conclusion of the inspection on November 16, 1973, at the Dresden Nuclear Power Station. The inspector discussed the scope of the inspection (Paragraph 2) and summarized the items requiring resolution. (Paragraphs 3, 5, 6, 7, and 8) The licensee representatives indicated that they foresaw no difficulties resolving the specified items.

REPORT DETAILS

1. Persons Contacted

F. Morris, Assistant Superintendent
A. Roberts, Technical Supervisor
R. Pavlick, Supervisor of Radiation Chemistry
R. Crandel, Engineer
D. Scott, Operating Engineer
T. Watts, Operating Engineer
J. Bauer, Shift Engineer
N. Sherpe, Chairman, Disaster Committee, St. Joseph's Hospital
J. Trizna, Sheriff of Will County
Lt. J. Kelly, Will County Sheriff's Department
W. Button, Sheriff, Grundy County
Lt. H. Moran, Illinois State Police

2. General

The inspection conducted November 13-16, 1973, by G. T. Lonergan (RO:III) included an examination of the Dresden Station Emergency Plan (DSEP) using 10 CFR 50, Appendix E, as a basis of evaluation. In addition to examining the licensee's facilities and documentation, the inspector also contacted the following offsite emergency support agencies: Will County Sheriff, Grundy County Sheriff, Illinois State Police, and St. Joseph's Hospital.

Licensee representatives informed the inspector that the Generating Stations Emergency Plan (GSEP) July 1972, was currently under review and revision. It is to be noted that the final outcome of the GSEP review and revision, once implemented, could result in changes in the DSEP.

3. Authority and Responsibility

The authorities and responsibilities aspects of the emergency organization as defined in the DSEP were examined and discussed with representatives of the licensee. The only item identified as requiring resolution in this area was the updating of certain portions of Appendix A of the DSEP. The telephone numbers and personnel listings of individuals and organizations, whose assistance may be required in the event of an emergency should be updated to reflect the current situation.

4. Coordination

The procedures for notifying and agreements reached between Dresden Station and participating local, state, and federal organizations were

examined. In an effort to evaluate the degree of coordination existing between the licensee and certain participating agencies who might be required to respond to a Dresden associated incident, the inspector contacted the following organizations: St. Joseph's Hospital in Joliet, the Sheriff's Departments in Will and Grundy Counties, and the Illinois State Police at District 5 Headquarters in Lockport.

- a. Letters of agreement dated in August and September of 1973 were found to exist for most of the agencies. It was noted that a letter of agreement from the Corps of Engineers requested additional information. The licensee indicated a date had been set to meet with a representative of the Corps of Engineers to review their agreements.
- b. The licensee provided an emergency planning indoctrination session at the Dresden Station on October 5, 1973, and invited the participating agencies. The inspector encouraged continuation of this practice on an annual basis to ensure recontact and to emphasize the importance of the contribution of each organization in their response to an emergency situation.
- c. The DSEP identifies St. Joseph's Hospital in Joliet, Illinois, as a primary offsite medical treatment facility. Mr. N. Sharpe, Chairman of the Disaster Committee at the St. Joseph's Hospital provided the inspector with information regarding the hospital's plans, facilities and capabilities of responding to the radiation control aspects in the treatment of victims of an accident involving radiation originating at Dresden.

Written procedures dated October 16, 1972, outlining actions to be implemented at St. Joseph's Hospital in response to notification from the licensee of the impending arrival of contaminated injured personnel exist at the hospital and as Appendix "F" to the DSEP. Materials and equipment considered necessary for implementation of the radiation control aspects of treatment of contaminated personnel are set aside at the hospital and at the time of this inspection showed evidence of routine inspection and maintenance. Expansion of the emergency reception and treatment facilities of the hospital, currently in progress, prevents utilization of the ambulance garage referred to in Appendix "F", however, an alternate ambulance arrival area has been provided. The location of the treatment and decontamination area for contaminated personnel will remain unchanged until the expanded facilities are available. Licensee representatives are aware of this temporary situation.

Section D of Appendix F describes the hospital preparedness for handling grossly contaminated injury victims. It is to be noted that although provision has been made for the collection of decontamination solutions from the decontamination table, the shower and wash basin in the treatment and decontamination room will be sealed off and unavailable for use in the treatment of contaminated injury victims. Ventilation filtration for the control of airborne contamination in the treatment and decontamination room is not provided. Measures to provide ventilation filtration for the control of potential airborne contaminants resulting from the treatment of contaminated injury victims in the decontamination and treatment room should be pursued by the licensee.

St. Joseph's Hospital participates in local area disaster drills, the most recent having been conducted in May 1973 did not involve exercise of the radiation control portion of their disaster plan. However, according to a hospital representative, they have in the past participated in a drill in conjunction with the Dresden facility which did involve preparation for treatment of a contaminated injured victim.

- d. Contact with local law enforcement agencies revealed they had been contacted by the licensee and were, in general, aware of the nature of their expected response although no written procedures for coping with a radiation incident were in evidence at the agencies visited. State and Grundy County law enforcement agencies were aware of the availability of radiological assistance through the Interagency Radiological Assistance Plan. All law enforcement agencies contacted indicated they have a capability to communicate with each other.

5. Training

During the course of the inspection, it was determined that a documented Radiation Protection training program is in progress which includes subject matter pertaining to emergency preparedness. It was also determined that radiation emergency exercises have been conducted with written critiques being prepared after the exercise. However, it was noted that the DSEP does not specify the frequency at which retraining and radiation emergency exercises were to be conducted.

6. Administrative Control

The administrative control aspects of the emergency preparedness program were examined and the following items were identified:

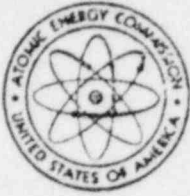
- a. Section 8.3 of the DSEP states that the DSEP will be reviewed and updated periodically. A definite frequency for review and updating of the DSEP should be specified.
- b. Provision should be made to ensure that revisions of the DSEP and associated emergency procedures once approved be put into effect expeditiously with copies of revised portions being promptly distributed to affected organizations and individuals.

7. Bomb Threat Procedure

The DSEP does not reference the existence of an approved procedure for coping with bomb threats. A copy of a draft procedure for coping with threats of this nature has been forwarded to the general offices for review and approval. The inspector examined the draft procedure which did contain provisions for notification of appropriate federal agencies. However, it was pointed out that the contact point for Region III during other than normal working hours should also be included in the finalized procedure. The inspector informed the licensee representatives of the need for expeditious approval and implementation of a bomb threat procedure for the Dresden Station. It was noted that the draft procedure was forwarded to the general office in February of 1973. Upon approval, this procedure should be referenced in the DSEP.

8. Protective Action Levels and Measures

The protective action levels for advising the local populace to take shelter and for evacuation as stated in the DSEP are inappropriate. Protective action levels for these purposes should reflect recommendations as stated in EPA's Interim Protective Action Levels.



UNITED STATES
ATOMIC ENERGY COMMISSION
DIRECTORATE OF REGULATORY OPERATIONS
REGION III
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A. RO Inspection Report No. 050-010/73-05
050-237/73-06
050-249/73-07

Transmittal Date : January 11, 1974

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