

U.S. NUCLEAR REGULATORY COMMISSION
OFFICE OF INSPECTION AND ENFORCEMENT

REGION III

Report No. 50-373/78-22; 50-374/78-16

Docket No. 50-373; 50-374

License No. CPPR-99; CPPR-100

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

Facility name: La Salle County Nuclear Station, Units 1 and 2

Inspection at: La Salle Site, Seneca, IL

Inspection conducted: September 12-15, 1978

Inspector: *TH Essig*
for M. J. Oestmann

10/20/78

Approved by: *TH Essig*
T. H. Essig, Chief
Environmental and Special
Projects Section

10/20/78

Inspection Summary

Inspection on September 12-15, 1978 (Report No. 50-373/78-22; 50-374/78-16)

Areas Inspected: (1) Environmental Protection for Units 1 and 2, including construction permit requirements, management controls, documentation, and procedures for the radiological environmental monitoring program; implementation and results of the radiological monitoring program; and audit results and quality control of sampling and analytical measurements; and (2) Emergency Planning, including the initial management meeting and future inspection plans. The inspection involved 27.5 inspector-hours onsite by one NRC inspector.

Results: No apparent items of noncompliance or deviations were identified during this inspection.

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DETAILS

1. Persons Contacted

Principal Licensee Personnel

*R. Bishop, Technical Staff Supervisor
*C. Schroeder, Rad/Chem Supervisor
*R. Raguse, Senior Operating Engineer
*J. Harris, Training Supervisor
*J. Kodrick, Quality Assurance Engineer
G. Myrick, Health Physicist
R. Rose, Lead Structural Engineer
T. Gould, Real Estate, Corporate Headquarters
A. Kief, Station Accountant

Other Personnel

D. Bedeker, Tenant Farmer of adjacent farmland owned by
Mr. H. Killelea and Mrs. F. Nessinger

The inspector also interviewed seven other licensee employees,
including members of the technical staff, security force, and
general office personnel.

*Denotes those present at the exit interview.

2. Licensee Action on Previous Inspection Findings

(Open) Noncompliance (50-373/78-05; 50-374/78-05): Failure to minimize erosion of the east dike of the cooling lake; and failure to submit analysis of the offsite impacts of the erosion problem and a plan of action to the NRC staff. The crown vetch grass planted by the licensee on the face of the east dike in the fall of 1977 was noted during this inspection to consist a fairly dense crop of grass. The licensee plans to reseed this section of the dike this fall to ensure erosion is kept to the minimum. The inspector noted that the licensee has made arrangements with the local farm landowners for them to obtain a contract bid for clearing and repairing the Armstrong Run and to submit it to the licensee for his approval. The farm landowners are to receive this contract bid within the next few weeks. This item remains open, pending completion of licensee commitment to take actions contained in a May 25, 1978 letter.^{1/}

1/ Ltr, C. Reed (CECo) to V. A. Moore (NRR), dtd 5/25/78.

3. Management Controls

The inspector examined the licensee's administrative and procedural controls for implementation of the meteorological and radiological environmental monitoring programs and environmental protection practices to assure compliance with the construction permit requirements. The inspector determined that the licensee has maintained the same administrative functions as discussed in a previous inspection.^{2/} The administrator of these programs is located in the Production Systems Analysis Department and is responsible for ensuring that the programs are conducted in accordance with contract arrangements with Eberline Instrument Company and Murray and Trettle, Inc.

For emergency planning, the licensee has the same arrangements as are in effect at other CECO nuclear facilities. An emergency coordinator oversees corporate emergency planning activities for all CECO nuclear facilities and ensures that specific employees at the separate plants are assigned to carry out specific duties and responsibilities at the plants in the event of an emergency. The duties and responsibilities are spelled out in Emergency Plan Implementing Procedures (EPIPs) which have been reviewed and approved by appropriate licensee management committees.

No significant problems were identified by the inspector in this area.

4. Licensee Internal Audits

The licensee's internal audit program for meteorological and radiological environmental monitoring was reviewed by the inspector. The most recent audit of the radiological program was conducted by the licensee on July 27, 1978. Review of the audit report by the inspector indicated that no discrepancies were found.

The inspector also examined the March 1977 audit report regarding the meteorological program. Eight discrepancies were identified by the licensee and were subsequently corrected by the contractor. The licensee conducted a followup audit in November 1977 to ensure all corrective actions had been taken.

No significant problems were identified by the inspector in this area.

^{2/} Inspection Report Nos. 50-373/77-02 and No. 50-374/77-02.

5. Implementation of Preoperational Radiological Environmental Monitoring Program

During a review of the radiological environmental monitoring program implementation, the inspector noted that two onsite sampling stations had been installed in the latter half of 1977. This action completes the program implementation which started on July 1, 1976. The inspector toured seven air sampling stations and thermoluminescent dosimeter stations and found all stations were operable. However, one air sampling station was found with a loose pipe connection and another with a broken gauge. The licensee stated that a new gauge was on order for one station and the required maintenance of the other station would be performed in a timely manner.

Checklists for sample collection and the Eberline Field Sampling and Analytical Procedures with updated procedures for 1977 were also reviewed. The inspector also reviewed monthly and semiannual reports for 1977 and the first half of 1978 and found no unusual trends in the results except for fallout effects from atmospheric bomb tests. The inspector also noted that the data acquired on one air particulate sampling station were limited during the winter of 1977 and 1978 because of poor road and weather conditions. The licensee indicated that this problem should disappear once construction of the onsite roads is completed.

The problems in sampling collection and maintenance identified above will be examined during a subsequent inspection.

6. Implementation of the Meteorological Program

Examination of the meteorological tower indicated that all equipment was operating properly. The licensee conducts weekly operability checks and bimonthly calibrations of equipment. Data acquisition is underway. Review of the monthly and semiannual reports shows that recoverability of the results to be in accord with guidance from Regulatory Guide 1.23 "Onsite Meteorological Programs."

No significant problems were identified by the inspector in this area.

7. Quality Control of the Environmental Monitoring Programs

The inspector reviewed the quality control programs of the contractors responsible for the environmental monitoring programs. Included was a review of the quality control program the radiological environmental monitoring contractor participates with the Environmental Protection Agency and other agencies. Quality

control procedures in this contractor's Field Sampling and Analytical Procedures were also reviewed. The licensee has established a six month checklist to assure radiological environmental samples are collected in accordance with commitments presented in the Environmental Report. The inspector discussed the applicability of the quality control programs described in Regulatory Guide 4.15, "Quality Assurance for Radiological Monitoring Programs (Normal operations) - Effluent Streams and the Environment." The meteorological monitoring contractor also conducts his own quality control program. The inspector examined the weekly and monthly checklists to ensure timely corrective action on the equipment occurred.

No significant problems were identified by the inspector in this area.

8. Initial Management Meeting on Emergency Planning

The inspector met with the plant management regarding the licensee's emergency planning program, schedules, and NRC's inspection requirements. The licensee's Generating Station Emergency Plan (GSEP) has been submitted to NRR for review and approval. The licensee is also responding to a series of questions specific to the La Salle plant site. The inspector also is reviewing the licensee's emergency planning implementing procedures (EPIPs). Guidance in Regulatory Guide 1.101 "Emergency Planning for Nuclear Power Plants" (March 1977) is being used in the review.

Specific inspection requirements pertaining to (1) agreements and coordination with offsite support agencies; (2) emergency preparedness with regard to facilities and equipment, means for monitoring release of radioactivity, medical arrangements, and training; and (3) emergency planning tests and drills, were discussed with the licensee. The licensee was informed as to the scope and depth of inspection of these items. The inspector determined that the licensee has a clear understanding of what will be expected of him in the emergency planning area.

No significant problems were identified by the inspector in this area.

9. Exit Interview

The inspector met with licensee representatives (denoted in Paragraph 1) at the conclusion of the inspection on September 15, 1978. The inspector summarized the purpose and scope of the inspection and the findings. The licensee representatives made the following remarks:

- a. Acknowledged the need to improve maintenance of air sampling equipment.
- b. Acknowledged his understanding of emergency planning and preparedness and his need to have his emergency plan approved and ready to implement by the time the plant is ready to load fuel.