

U.S. NUCLEAR REGULATORY COMMISSION

REGION III

Report No. 50-373/85037(DRS)

Docket No. 50-373

License No. NPF-11

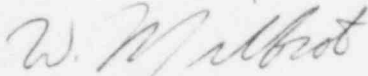
Licensee: Commonwealth Edison Company
Post Office Box 767
Chicago, IL 60690

Facility Name: LaSalle County Station, Unit 1

Inspection At: LaSalle Site, Marseilles, IL

Inspection Conducted: November 4-6, 1985

Inspector: W. Milbrot



11-25-85
Date

Approved By: W. G. Guidemond, Chief
Operational Programs Section



11-26-85
Date

Inspection Summary

Inspection on November 4-6, 1985 (Report No. 50-373/85037(DRS))

Areas Inspected: Routine announced inspection of licensee actions on refueling preparations and activities; and spent fuel pool activities. The inspection involved a total of 27 inspector-hours onsite by one NRC inspector including four inspector-hours onsite during off-shifts.

Results: No violations or deviations were identified.

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DETAILS

1. Persons Contacted

Licensee Employees

- *G. J. Diederich, Manager, LaSalle Station
- *R. D. Bishop, Services Superintendent
- *W. R. Huntington, Assistant Superintendent, Operations
- *W. Stewart, Fuel Handling Foreman
- *M. H. Richter, Leader, Nuclear Group
- *R. J. Cozzi, Quality Assurance

USNRC

- M. J. Jordan, Senior Resident Inspector
- J. Bjorgen, Resident Inspector
- R. Kopriva, Resident Inspector

The inspector also contacted and interviewed other licensee personnel during the inspection.

*Denotes personnel attending the exit interview held on November 6, 1985.

2. Refueling Preparations

The inspector reviewed procedures, tests, and surveillances covering the maintenance, testing and operational check out of refueling tools and equipment, systems, and instrumentation required to support fuel handling efforts to assure that Technical Specifications have been satisfied. Equipment and tools to be used for core alterations and support activities were checked for proper operation and verified ready for use. The inspector verified that the following refueling activities were completed as required:

- a. LFS 100-1, Revision 1, Refueling Platform Main Hoist Interlocks check for core alterations.
- b. LOS-CS-MI, Revision 6, Secondary Containment Integrity.
- c. LOS-CS-QI, Revision 8, Secondary Containment Damper Operability Test.
- d. LOS-VG-MI, Revision 7, Unit 1 Standby Gas Treatment System Operability Tests.
- e. LIS-NR-301, Revision 1, Unit 1 SRM Rod Block Functional Test.
- f. LIP-AR-02, Revision 2, Refuel Floor High Range Area Radiation Monitor Calibration.
- g. LTP-1600-22, Revision 4, SRM Performance Check.

A review was made of training activities completed by personnel assigned to perform core alterations. Training included both classroom instruction covering certain administrative and fuel handling procedures and hands-on training operating the Refuel Bridge to identify fuel locations and orientations. The only documentation of this training material was a memorandum submitted to the Production Superintendent. The inspector suggested that a lesson plan be developed to identify the training requirements to ensure continuity between training sessions. This plan could cover the basic training requirements and be up-graded to include special training needs unique to a particular refueling outage. The lesson plan could also include actions to take in the event of abnormal and emergency situations. The licensee indicated that the preparation of a lesson plan would be considered.

The licensee has completed a 10 CFR 50.59 core reload safety evaluation and submitted the information to NRR for review.

No violations or deviations were identified.

3. Refueling Activities

Prior to performing core alterations the fuel handlers assured that the fuel accountability status boards in the Control Room and on the refuel floor represented correct fuel and core component locations, and established cleanliness and tool accountability controls. Any items used over the reactor cavity were secured with a lanyard. The area around the reactor cavity and Spent Fuel Pool (SFP) was roped off and marked with radiological signs.

The inspector witnessed portions of two shifts of fuel handling. During this time period the licensee experienced a problem with the Refueling Platform Main Hoist Interlock limit switch cable causing core alterations to be suspended temporarily. The wiring connected to the limit switch failed a continuity test. Spare wiring in the cable was used to replace the defective wires. The Refueling Platform Main Hoist Interlocks were retested satisfactory and fuel handling was allowed to continue.

Movement of fuel was conducted safely in accordance with approved written procedures. Continuous voice communication was maintained between the Control Room and the Refueling Platform. Status boards were maintained current and good cleanliness and radiological practices were exercised.

Periodic surveillances were completed using procedure LFS-100-4, Revision 2, Core Alterations Shiftly Surveillances. Checks important to refueling included SRM's operable, in correct location and with required count rate, Reactor Vessel water level, and Mode Switch in the correct position.

Radiation monitoring of the area was provided by refueling floor high radiation monitor and new fuel storage area high radiation monitor. The instruments were tested and within calibration.

No violations or deviations were identified.

4. Spent Fuel Pool Activities

The inspector made a review of SFP operations. Refueling manning, Refueling Platform Main Hoist checkout, cleanliness and radiological controls, core component accountability, ventilation and ARM requirements were verified during refueling activities and are covered in Paragraphs 2 and 3, above.

Spent Fuel Pool water level was verified satisfactory each shift and recorded on the Shift Surveillance Log. Spent Fuel Pool cooling system capability including pump operation and flow paths was demonstrated operable during the Preoperational Test Program. Once a core load of used fuel is loaded into the SFP the licensee will conduct a heat balance capacity evaluation of the system to verify its cooling capability. This evaluation will be reviewed on a subsequent inspection.

No violations or deviations were identified.

5. Exit Interview

The inspector met with licensee representatives (denoted in Paragraph 1) on November 6, 1985, to discuss the scope and findings of the inspection. The licensee acknowledged the statements made by the inspector with respect to items discussed in the report. The inspector also discussed the likely informational content of the inspection report with regard to documents or processes reviewed by the inspector during the inspection. The licensee did not identify any such documents/processes as proprietary.