

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

REGION III

Report No. 50-10/79-14; 50-237/79-18; 50-249/79-16

Docket No. 50-10; 50-237; 50-249

License No. DPR-2; DPR-19; DPR-25

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

Facility Name: Dresden Nuclear Power Station, Units 1, 2, and 3

Inspection At: Dresden Site, Morris, IL

Inspection Conducted: July 10-30, 1979

Inspector: *R. L. Speasard*
J. L. Barker *for*

8/17/79

Approved By: *R. L. Speasard*
R. L. Speasard, Chief
Reactor Projects Section 1

8/17/79

Inspection Summary

Inspection on July 10-30, 1979 (Report No. 50-10/79-14; 50-237/79-18; 50-249/79-16)

Areas Inspected: Routine, announced resident inspection of maintenance; plant operations; physical protection-security organization; physical protection-physical barriers; physical protection-access control (Identification, authorization, badging, search, and escorting); physical protection-communications; and review and followup on licensee event reports. The inspection involved 74 inspector-hours onsite by one NRC inspector.

Results: No items of noncompliance were identified.

7910010248

1065 082

DETAILS

1. Persons Contacted

- *B. Stephenson, Station Superintendent
- *R. Ragan, Assistant Superintendent, Operations
- J. Eeingenburg, Assistant Superintendent, Maintenance
- *B. Shelton, Assistant Superintendent, Administrative Services and Support
- *D. Farrar, Technical Staff Supervisor
- E. Budzichowski, Unit 1 Operating Engineer
- J. Wujciga, Unit 2 Operating Engineer
- C. Sargent, Unit 3 Operating Engineer
- B. Sanders, Station Security Administrator
- *E. Wilmere, QA Coordinator

The inspector also talked with and interviewed several other licensee employees, including members of the technical and engineering staffs, reactor and auxiliary operators, shift engineers and foremen, electrical, mechanical and instrument personnel, and contract security personnel.

*Denotes those attending one or more exit interviews conducted on July 13, 20, and 27 1979.

2. Maintenance

The inspector, through direct observations and record review verified that reactivity control instrumentation, containment, emergency core cooling, reactor coolant, and plant and electrical systems maintenance activities were conducted in accordance with established procedures and Technical Specifications; verified that required administrative approvals were obtained prior to initiating work; verified that maintenance activities were accomplished using approved and technically adequate procedures; verified that the activities were inspected in accordance with the provisions of licensee's requirements; verified that the activities included functional testing and calibration as necessary prior to returning the component or system to an operating status; verified that quality control records were available; verified that activities were accomplished by qualified personnel; verified that radiological controls were established for worker protection, including minimizing personnel exposure; verified that materials or components used were certified as required by plant procedures; verified that QC hold points, plant status and safety controls, and tagging operations appeared adequate; and verified that associated limiting conditions for operation were met in accordance with Technical Specifications.

The inspector observed maintenance in progress: (1) Unit 2, WR 4768, Unit 2 Diesel generator semiannual inspection, WR 4946, Head Spray isolation valve position indication and (2) Unit 3, WR 4740, B CCSW pump suction drain valve, WR 4804, HPCI room cooler fan.

The inspector reviewed the following completed work packages: (1) Unit 2, WR 793, Unit 2 Diesel generator crankcase high pressure switch; (2) Unit 2/3, WR 647, Standby gas treatment system air leak; and (3) Unit 3, WR 4027, SRM pulse pre-amplifier, WR 4791, 125 VDC ground isolation.

No items of noncompliance were identified.

3. Plant Operations

The inspector reviewed the plant operations including examinations of control room log books, routine patrol sheets, shift engineer log book, equipment outage logs, special operating orders, and jumper and tagout logs for the month of July, 1979. The inspector observed plant operations during five offshifts during the month of July, 1979. The inspector also made visual observations of the routine surveillance and functional tests in progress during the period. This review was conducted to verify that facility operations were in conformance with the requirements established under Technical Specifications, 10 CFR, and Administrative Procedures. A review of the licensee's deviation reports for the period was conducted to verify that no violations of the licensee's Technical Specifications were made. The inspector conducted a tour of Units 1, 2 and 3 reactor buildings and turbine buildings throughout the period and noted that the monitoring instrumentation was recorded as required, radiation controls were properly established, fluid leaks and pipe vibrations were minimal, seismic restraint oil levels appeared adequate, equipment caution and hold cards agreed with control room records, plant housekeeping conditions/cleanliness were adequate, and fire hazards were minimal. The inspector observed shift turnovers to verify that plant and component status and problem areas were being turned over to relieving shift personnel. The inspector observed sampling and chemical analysis of water chemistry samples to verify that water chemistry was being maintained in accordance with Technical Specifications.

No items of noncompliance were identified.

4. Physical Protection - Security Organization

The inspector verified by observation and personnel interview (once during each operating shift) that at least one full time member of the security organization who has the authority to direct the physical security activities of the security organization was onsite at all times; verified by observation that the security organization was properly manned for all shifts;

and verified by observation that members of the security organization were capable of performing their assigned tasks. There were no weapons qualifications conducted during this monthly inspection.

No items of noncompliance were identified.

5. Physical Protection - Physical Barriers

The inspector verified that certain aspects of the physical barriers and isolation zones conformed to regulatory requirements and commitments in the physical security plan (PSP); that gates in the protected area were closed and locked if not attended; that doors in vital area barriers were closed and locked if not attended; and that isolation zones were free of visual obstructions and objects that could aid an intruder in penetrating the protected area.

No items of noncompliance were identified.

6. Physical Protection - Access Control (Identification, Authorization, Badging, Search, and Escorting)

The inspector verified that all persons and packages were identified and authorization checked prior to entry into the protected area (PA), all vehicles were properly authorized prior to entry into a PA, all persons authorized in the PA were issued and displayed identification badges, records of access authorized conformed to the PSP, and all personnel in vital areas were authorized access; verified that all persons, packages, and vehicles were searched in accordance to regulatory requirements, the PSP, and security procedures; verified that persons authorized escorted access were accompanied by an escort when within a PA or vital area; verified that vehicles authorized escorted access were accompanied by an escort when within the PA; and verified by review of the licensee's authorization document that the escort observed above was authorized to perform the escort function.

No items of noncompliance were identified.

7. Physical Protection Communications

The inspector verified by observation (during each operating shift) that communications checks were conducted satisfactorily at the beginning of and at other prescribed time(s) during the security personnel work shift and that all fixed and roving posts, and each member of the response team successfully communicate from their remote location; and verified that equipment was operated consistent with requirements in the PSP and security procedures.

No items of noncompliance were identified.

8. Review and Followup on Licensee Event Reports

Through direct observations, discussions with licensee personnel, and review of records, the following event reports were reviewed to determine that reportability requirements were fulfilled, immediate corrective action was accomplished, and corrective action to prevent recurrence had been accomplished in accordance with Technical Specifications.

Unit 1

LER 79-01, Radioactive liquid leak on radioactive return-to-storage line

Unit 2

- LER 79-19, Crack found on 2A RFP minimum flow line
- LER 79-20, Leakage on personnel air lock in excess of Technical Specifications
- LER 79-21, 2A LPCI pump failed to start after manually stopping
- LER 79-22, Unit 2 diesel generator failed to start
- LER 79-23, Inadequate weld on reactor head vent line
- LER 79-25, Turbine first stage pressure switches (PS 504C and PD 504D) tripped in excess of Technical Specifications
- LER 79-26, 2B RPS MG set output breaker failed to trip
- LER 79-27, Number of operable reactor water level instruments less than Technical Specifications
- LER 79-28, Failure of nitrogen inerting valve 1601-22
- LER 79-29, Low pressure switch on automatic blowdown system switch (PS 2-1430-1466D) failed to trip during surveillance
- LER 79-31, Crack found on 2D1 feedwater emergency spill line to condenser
- LER 79-32, IRM channels 17 and 18 inoperable during reactor startup
- LER 79-34, Unit 2/3 diesel generator failed to start after Unit 2 diesel generator had been declared inoperable
- LER 79-37, Unit 2 diesel generator inoperable
- LER 79-39, 2B Recirculation MG failed when power to 2B2 Recirculation MG oil pump breaker was opened from DC ground checks
- LER 79-40, Clean demineralizer water hose from "A" waste storage tank ruptured, causing contaminated water leak to grounds from radwaste building
- LER 79-41, 2B Recirculation MG field breaker tripped open, resulting in loss of 2B Recirculation pump motor.
- LER 79-42, HPCI steam line flow switch (DPIS 2353) tripped in excess of Technical Specifications.

Unit 3

LER 79-08, Pinhole leak found on cleanup equalizing line
LER 79-10, Off gas radiation monitor (1705-3A) inoperable
LER 79-11, IRM Channel 17 tripped in excess of Technical Specifications
LER 79-12, IRM Channel 11 downscale trip less than Technical Specifications
LER 79-13, Control Rod Drive G-5 uncoupled during performance of half-core scram testing
LER 79-14, Core Spray Pump 3A gland supply line found leaking
LER 79-15, SRM Channel 24 tripped in excess of Technical Specifications.

No items of noncompliance were identified.

9. Exit Interview

The inspector met with licensee representatives (denoted in Paragraph 1) on July 13, 20, and 27, 1979), and summarized the scope and findings of that weeks' inspection activities.