

U.S. NUCLEAR REGULATORY COMMISSION
REGION I

Report No. 50-277/85-17

Docket No. 50-277

License No. DRP-44

Priority -

Category C

Licensee: Philadelphia Electric Company

2301 Market Street

Philadelphia, Pennsylvania 19101

Facility Name: Peach Bottom, Unit 2

Inspection At: Delta, Pennsylvania

Inspection Conducted: April 24-26, 1985

Inspectors:

S. D. Kucharski
S. D. Kucharski, Reactor Engineer

J. S. Hodson
J. S. Hodson, Reactor Engineer

Approved by:

L. H. Bettenhausen for
L. H. Bettenhausen, Chief, OPS, DRS

5/15/85
Date

5/15/85
Date

5/30/85
Date

Inspection Summary: Inspection on April 24-26, 1985 (Inspection Report
Number 50-277/85-17

Areas Inspected: Routine, unannounced inspection of the containment leakage testing program including procedure review of the Integrated Leak Rate Test (ILRT), Local Leak Rate Test (LLRT) and LLRT results review and general tour of the facility. The inspection involved 36 hours by two region based inspectors.

Results: No violations were identified.

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DETAILS

1.0 Persons Contacted

Philadelphia Electric Company

- * R. Fleischmann, Station Superintendent
- * D. Smith, Assistant Station Superintendent
- * T. Wilson, QA Site Supervisor
- * J. Winzenried, Technical Engineer

U.S. Nuclear Regulatory Commission

- * T. Johnson, Senior Resident Inspector
- J. Williams, Resident Inspector

* Denotes those present at exit meeting on April 26, 1985.

2.0 Local Leak Rate Testing Program

2.1 Documents Reviewed

- Surveillance Test Procedure ST 20.000 - Local Leak Rate Test Surveillance Test Program, 3/10/83, Revision 1.
- Surveillance Test Procedure ST 20.041 LLRT - Shutdown Cooling Suction Valves, 10/19/84, Revision 6.
- LLRT individual test results, and running total.
- Technical Specifications 3.7 and 4.7.
- LLRT Instrumentation calibration records.

2.2 Scope of Review

The inspector reviewed the above listed documents to determine compliance with the regulatory requirements of Appendix J to 10 CFR 50, Technical Specification and applicable industry standards and with station administrative guidelines. The inspector held discussions with the licensee regarding the organization and control of the LLRT program and the documentation of test results.

2.3 Procedure Review

The procedures reviewed were technically accurate and in conformance with the regulatory requirements of Appendix J to 10 CFR 50 and applicable industry standards. The LLRT coordinator and associated licensee personnel have made a concerted effort to assure that the

- appropriate line up drawing which exist in the LLRT are accurate and in accordance with leakage testing requirements. No unacceptable conditions were identified.

2.4 LLRT Instrument Calibration

The inspector reviewed the calibration records for the rotameters and pressure gauges used in the LLRT test boxes. The instruments were appropriately calibrated and were marked with current calibration stickers. No unacceptable conditions were identified.

2.5 Test Results

The inspector reviewed the LLRT results summary and discussed the analysis of the test results and the status of repairs and retests with test personnel. The inspector noted that the licensee was recording a minimum leakage for LLRT's during which there was no movement in the rotameter scale. This is an acceptable conservative approach by the licensee. The inspector also noted that the "As-Found" an "As-Left" leak rate for every test done on each penetration isolation valve are documented by the licensee in the LLRT running leakage total. The inspector had no further questions at this time.

3.0 Containment Integrated Leak Rate Test Documentation

3.1 Document Reviewed

- ST 12.5 Surveillance Test Integrated Leak Rate Test, 7/14/80, Revision 2.

3.2 Scope of Review

The inspector reviewed the above listed document for technical adequacy and to determine compliance with the regulatory requirements of Appendix J to 10 CFR 50, Technical Specifications and applicable industry standards.

3.3 Procedure Review

The inspector reviewed the most recent draft of the ILRT for technical adequacy and for consistency with regulatory requirements, guidance, and licensee commitments. The inspector noted that all the requirements were being met and the method of the performance of the ILRT were within the guidelines. The licensee will send the final approved procedure for the inspector's final review. The inspector had no further questions at this time.

3.4 CILRT Instrumentation

The calibration records for the ILRT Instrumentation were not available for inspection. Once the licensee receives the calibration records, they will be mailed to the region for review.

3.5 Independent Calculation

The inspector performed an independent calculation of the allowed leakage rate (La) to determine if the leakage band reported in the procedure was appropriate. Also the inspector requested the calculations of the RTD volumes and volume fraction so that they can also be checked. This information was not available at this inspection. The licensee agreed to forward the information once they receive it. The inspector had no further questions at this time.

3.6 QA/QC Involvement

The inspector discussed QA/QC involvement in the LLRT, program and the CILRT. QA/QC has been involved in the LLRT program in the form of QC monitoring and QA audits. Involvement in the CILRT will also include QC monitoring and QA auditing of activities, although the exact scope has not been determined at this time.

The inspector reviewed the following QA/QC monitoring reports and audits related to the LLRT program for adherence to procedure and significance of findings, if any.

QC Monitoring Reports

- PMR-85-0053, dated 2/05/85 LLRT Tip Purge Supply
- PMR-85-0061, dated 2/12/85 LLRT MSIV's
- PMR-85-0067, dated 2/19/85 LLRT MSIV
- PMR-85-0046, dated 2/04/85 LLRT Expansion Bellows
- PMR-85-0047, dated 2/04/85 LLRT Expansion Bellows

QA Audits

- # AP-84-100PR, dated 12/20/84 Verification of the adequacy and effectiveness of administrative controls.
- # AP-83-33 ST, dated 08/29/83 Verification of the adequacy and effectiveness of the ILRT program.

No unacceptable conditions were identified.

3.7 Tours

The inspector toured the reactor building, exterior containment penetration areas, the control room, and other areas of the facility to observe containment leakage testing activities, component tagging, other work in progress and general housekeeping. No unacceptable conditions were identified.

3.8 Exit Meeting

A meeting was held on April 26, 1985 to discuss the scope and findings of the inspection as delineated in this report. At no time during this inspection was written information provided to the licensee.