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

REGION III

Report No. 50-358/80-23

Dcoket No. 50-358

Licensee: Cincinnati Gas and Electric Company
139 East 4th Street
Cincinnati, OH 45201

Facility Name: Wm. H. Zimmer Nuclear Power Station

Inspection At: Wm. H. Zimmer Site, Moscow, OH

Inspection Conducted: October 1-3, 6-9, 14-17, and 20-24, 1980

Inspectors: RFW for F. T. Daniels — Nov 10, 1980

RFW for T. P. Gwynn (October 1-3 and 6, 1980) — Nov 10, 1980

Approved By: RF Warnick, R. F. Warnick, Chief, Projects Section 3 — Nov 10, 1980

Inspection on October 1-3, 6-9, 14-17, and 20-24, 1980 (Report No. 50-358/80-23)
Areas Inspected: Routine resident inspection of Previously Identified Items, Bulletin and Circular Followup, Preoperational Test Procedure Review, Maintenance Procedures Review, Plant Tours, and Independent Inspection Effort. This inspection involved a total of 105 inspector-hours onsite by two NRC inspectors including 11 inspector-hours onsite during off-shifts.
Results: No items of noncompliance or deviations were identified.

DETAILS

1. Personnel Contacted

J. R. Schott, Plant Superintendent
*P. E. King, Assistant Plant Superintendent
P. C. Hoffmeier, Technical Engineer
D. L. Erickson, Chemistry/Radiation Control Supervisor
S. E. Martin, Test Coordinator
*J. J. Wald, Station Quality Engineer
J. H. Woeste, Instrumentation and Control Engineer
R. E. Donnellon, Maintenance Supervisor
*W. W. Schwiers, Quality Assurance Manager
and others of the station staff.

*Denotes personnel attending monthly exit meeting.

2. Followup on Previous Inspection Findings

(Closed) Noncompliances (50-358/80-07-01); (50-358/80-14-03); (50-358/80-19-05): Inadequate Weld Rod Control.

The inspector verified by document review and observation that the corrective action taken in accordance with the commitments given in the responses to the noncompliances were adequate.

No items of noncompliance or deviation were noted.

3. IE Bulletin Followup

For the IE Bulletins listed below, the inspector verified that the written response was within the time period stated in the bulletin, that the written response included the information required to be reported, that the written response included adequate corrective action commitments based on information presented in the bulletin and the licensee's response, that licensee management forwarded copies of the written response to the appropriate onsite management representatives, that information discussed in the licensee's written response was accurate, and that corrective action taken by the licensee was as described in the written response.

(Closed) Bulletin No. 80-10, Contamination of nonradioactive system and resulting potential for unmonitored, uncontrolled release of radioactivity to environment.

No items of noncompliance or deviation were noted.

4. IE Circular Followup

For the IE Circulars listed below, the inspector verified that the Circular was received by the licensee management, that a review for applicability was performed, and that if the circular were applicable to the facility, appropriate corrective actions were taken or were scheduled to be taken.

(Closed) Circular No. 80-04: Securing of Threaded Locking Devices on Safety-related Equipment.

No items of noncompliance or deviation were noted.

5. Preoperational Test Procedure Review

a. The inspector reviewed the Standby Gas Treatment System and Secondary Containment Leak Preoperational Test procedure for the following:

(1) Management review and approval.

(2) Acceptance criteria clearly identified.

(3) Initial test conditions are specified.

(4) Step-by-step instructions for the performance of the procedure are complete to the extent necessary to assure that test objectives are met.

(5) Provisions are available for documenting that all items, including prerequisites, are verified as having been performed.

(6) Procedure requires that temporary connections, disconnections, or jumpers be restored to normal.

b. Various clerical errors and changes due to drawing revisions were found. These were brought to the attention of the appropriate personnel and will be corrected in an upcoming revision to the procedure.

No items of noncompliance or deviation were noted.

6. Maintenance Procedures

The inspector confirmed that plant maintenance procedures were prepared to adequately control maintenance of safety-related systems within applicable regulatory requirements. This was accomplished through a detailed review of station maintenance and surveillance procedures for procedural scope, technical content, and appropriate format.

a. Documentation Reviewed

(1) ME. CMP. 1.07, rev. 00, HP Pump Overhaul
(2) ME. CMP. 2.01, rev. 01, Battery Cell Replacement
(3) ME. CMP. 2.15, rev. 01, Battery Terminal Cleaning
(4) ME. PMS. 2.13, rev. 01, 250 VDC and 24/48 VDC Battery Weekly Inspection
(5) ME. PMS. 2.14, rev. 02, 250 VDC and 24/48 VDC Battery Quarterly Inspection
(6) ME. PMS. 2.16, rev. 00, 250 VDC and 24/48 VDC Battery Performance Discharge Test
(7) ME. PMS. 2.17, rev. 00, 24/48 VDC, 125 VDC and 250 VDC Battery Equalizing Charge
(8) ME. CMP. 3.22, rev. 00, Shop Test of Containment Isolation Valves
(9) ME. SDC. 810, rev. 01, 125 VDC Battery Quarterly Checks
(10) ME. SDC. 811, rev. 00, 125 VDC Battery Charger Operational Test
(11) ME. SDC. 812, rev. 00, 125 VDC Battery Performance Discharge Test
(12) ME. SDC. 813, rev. 00, 125 VDC Battery Service Test
(13) IC. SHP. P02, rev. 00, Channel Functional Test - HPCS Pump Discharge - Hi Pressure/HPCS Minimum Flow Valve
(14) IC. SHP. P03, rev. 00, Channel Functional Test - HPCS Spray Sparger Integrity
(15) IC. SHP. P52, rev. 00, HPCS Pump Suction - Abnormal Pressure Alarm Channel Calibration
(16) IC. SHP. P51, rev. 00, Channel Calibration - HPCS Pump Discharge - Hi Pressure/HPCS Minimum Flow Valve

b. Findings

(1) Maintenance and I & C procedures do not follow the minimum format requirements of ANSI N18.7 - 1976 as prescribed in the Station administrative procedure SA. SAD. 04, rev.07. This is considered to be an unresolved item (50-358/80-23-01) and will be followed up in subsequent inspections.

(2) ME. CMP. 3.22, rev. 00, was written to satisfy the requirements of 10 CFR 50, Appendix J for Type "C" leakage tests. This test does not fulfill these requirements in the following areas.

(a) The test procedure should specify that the "Initial Direction" be the same direction as when the valve is required to perform its safety function, except as provided for in 10 CFR 50, Appendix J, Section III.C.1.

(b) The precautions and limitations section should require that each valve to be tested should be shut by its normal operating method and that there should be no preliminary exercising or adjustments (i.e., hand tightening) after closure by the motor operator.

(c) The documented leakage rate is not compensated for leakage via the test rig.

(d) The acceptance criteria section is adequate.

This is considered an unresolved item (50-358/80-23-02) and will be followed up in subsequent inspections.

No items of noncompliance or deviations were noted.

7. Plant Tours

The inspector conducted frequent plant tours throughout this inspection period. The below items were identified and the licensee is taking or has taken appropriate corrective action.

a. Cable Tray No. 2132B in the reactor building southeast quadrant, 525' elevation above the hanger storage area contained two hanger support pieces.

b. Cable trays/cable tray hangers in the reactor building 546' elevation west wall and the 526' elevation above RXMCC 1B were observed being used to support scaffolding.

8. Unresolved Items

Unresolved items are matters about which more information is required in order to ascertain whether they are acceptable items, items of noncompliance, or deviations. Two unresolved items disclosed during this inspection are discussed in paragraphs 6.b(1) and (2).

9. Management Interview

The inspector met with licensee representatives (denoted in paragraph 1) at the conclusion of the inspection on October 24, 1980. The inspector summarized the scope and findings of the inspection.