

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

REGION III

Report No. 50-358/81-12

Docket No. 50-358

License No. CPPR-88

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

Facility Name: W. H. Zimmer Nuclear Power Station

Inspection At: W. H. Zimmer, Moscow, Ohio

Inspection Conducted: March 30-31, April 1-3, 6-10, 13-17, 20-24, and 27-30, 1981

*F. T. Daniels*  
Inspectors: F. T. Daniels

5/20/81

*T. P. Gwynn*  
T. P. Gwynn

5/20/81

*R. F. Warnick*  
Approved By: R. F. Warnick, Chief  
Reactor Projects Section 2B

5/20/81

Inspection Summary

Inspection on March 30-31, April 1-3, 6-10, 13-17, 20-24, and 27-30, 1981 Report No. 50-358/81-12

Areas Inspected: Routine resident inspection of previously identified items, IE Bulletin followup, local public document room, preoperational test procedure review, preoperational test witnessing, and plant tours. This inspection involved a total of 160 inspector-hours onsite by two NRC inspectors, including 20 inspector-hours onsite during off-shifts.

Results: Of the six areas inspected no items of noncompliance or deviations were noted.

8106090395

## DETAILS

### 1. Personnel Contacted

\*J. R. Schott, Plant Superintendent  
P. E. King, Assistant Plant Superintendent  
\*J. J. Wald, Station Quality Engineer  
\*W. W. Schweirs, Manager Quality Assurance  
S. C. Swain, CG&E Construction Project Manager  
R. P. Ehas, CG&E QA Engineer  
H. K. Lathrop, GE System Engineer  
\*W. D. Waymire, Manager General Engineering Department  
and others of the station staff

\* Denotes those present at monthly exit interview.

### 2. License Action on Previously Identified Items

(Closed) 10 CFR 50.55(e) Reportable Item, M-3, Reactor Vessel Alignment Pins.

The pins were replaced and documentation was reviewed by an inspector during 1979.

(Closed) 10 CFR 50.55(e) Reportable Item, M-5, Inadequate tack welds on lock nuts on the LPCS and HPCS Sparger Nozzles.

The inspector reviewed the evaluation performed by General Electric and concurred that the item was not reportable.

(Closed) 10 CFR 50.55(e) Reportable Item, M-9, Improper operation of Limitorque Motor Operators, type SMB-000.

The inspector verified the readjustment had been accomplished on all identified Limitorque Motor Operators.

(Closed) Noncompliance 81-01-02 - Failure to follow procedure PO.RD.02.

The inspector verified that commitments made in CG&E letter QA-1404 dated March 3, 1981 were completed satisfactorily and in a timely manner.

(Open) Noncompliance 79-39-02 - Modifications being supervised by EOTD personnel.

The inspector attempted to verify that commitments made in CG&E letter QA-1260 dated February 20, 1980 had been completed. These commitments were stated as follows:

- (a) Electric Operating Test Department personnel have been informed that all supervision of electricians installing, changing or otherwise modifying equipment or wiring must be provided by Foothill Electric engineering or supervisory personnel. It was also emphasized that EOTD personnel are to perform only testing responsibilities. These instructions were provided to EOTD personnel in January, 1980.

- (b) Henry J. Kaiser QC electrical inspection personnel was reinstructed concerning the performance of those QC inspections applicable to modifications, as required by construction inspection plans; i.e., crimping of lugs, removal of lugs and relugging as required, assuring that crimping tools are within calibration limits, etc. Assurance that the terminations are in accordance with the modifying design document is the responsibility of the EOTD personnel.
- (c) An audit will be performed to assure that the previously described instructions are being complied with by both EOTD and Henry J. Kaiser electrical QC inspection personnel. Random surveillance will also be provided by the Cincinnati Gas & Electric Company and the Henry J. Kaiser electrical Quality Assurance engineer to assure that the requirements described in this letter are maintained in compliance.

The audit will be performed on or before March 15, 1980 and quarterly surveillances conducted until completion of construction.

Surveillance Report #249 dated May 1, 1980 satisfied (a) above except for the timeliness of action. The licensee was unable to substantiate the completion of (b) and (c) above. The QA&S audit and surveillance schedules were checked by both the licensee and the inspector; neither an initial audit nor a quarterly surveillance of these activities appeared on the schedules. This item is unresolved pending further inspection. (50-358/81-12-01)

(Closed) Unresolved Item 80-07-02, Rusted 12 inch diameter, 90° carbon steel elbows on level 'C' of the suppression pool.

The inspector verified that these elbows were cleaned up and then installed in the Residual Heat Removal System.

(Closed) Unresolved Item 80-07-03, Inadequate approval of KEI Procedure.

The inspector verified that SPPM, Section 5 was revised and appropriate reviews have been obtained.

(Closed) Unresolved Item 80-07-04 KEI SPPM #49 did not have current revision of section 3.3 incorporated.

The inspector verified that KEI SPPM #49 has the most current revision (Revision 7) of Section 3.3 incorporated.

(Closed) Unresolved Item 80-23-02, ME.CMP.3.22 does not meet requirements of 10 CFR 50, Appendix B, for Type 'C' Leakage Tests.

The inspector verified that ME.CMP.3.22 has been deleted and will not be used by the licensee to perform type 'C' leak rate testing.

(Open) Unresolved Item 80-26-01 - Errors between S&L Index, CG&E Index, C&ID's, and P&ID's.

The inspector found that some progress has been made toward identifying and correcting these problems. In particular, the turnover group has developed a computer program capable of comparing the S&L Index with the CG&E Index and identifying errors. Full implementation of this program is yet to be accomplished. The inspector will follow the progress of this program implementation.

(Open) Unresolved Item, 79-38-03, No responsibilities assigned for establishing retention periods for new records.

The inspector found that a new revision to RM.SAD.01 has never been accomplished as stated by the Document Control Supervisor during the inspection conducted in December 1979. The procedure was in the revision process during this inspection; therefore, when revision is complete it will be reviewed.

### 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 written response included adequate corrective action commitments based on information presentation in the bulletin and the licensee's response, that licensee management forwarded copies of the written response to the appropriate on-site 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) IE Bulletin 80-23, Failure of Solenoid Valves Manufactured by Valcor Engineering Corporation.

No items of noncompliance or deviations were noted.

### 4. Local Public Document Room

The inspectors visited the NRC local Public Document Room located inside the Clermont County Public Library, 180 South 3rd Street, Batavia, Ohio.

Observation of the general area revealed that documents and correspondence were relatively well ordered and accessible to the public but IE Inspection Reports, Bulletins, and Circulars were not being filed in an easily retrievable format. The inspectors discussed methods for improving retrievability with the head librarian.

No items of noncompliance or deviations were noted.

## 5. Preoperational Test Procedure Review

The inspector completed a review of PO.LP.01, Revision 2 dated March 13, 1981. This included a review of procedure format, test objectives, management review and approval, SRB review, prerequisites, acceptance criteria, initial test conditions, references, controls over temporary installations, and the detailed step by step instructions. Several minor comments generated in the course of this review were discussed with cognizant test personnel.

The inspector questioned two technical aspects of the test, as follows:

- (a) Acceptance criterion 1.3.6 requires that photographs indicate an acceptable spray pattern but there is no definition of what constitutes an "acceptable" spray pattern.
- (b) Data for acceptance criterion 1.3.10, which deals with maximum system flow, is measured with the pump suction strainer 50% hooded. This may be a nonconservative method for measuring maximum system flow.

These items remain unresolved pending clarification by GE site operations. (50-358/81-12-02)

No items of noncompliance or deviations were noted.

## 6. Preoperational Test Witnessing

The inspector witnessed limited portions of the logic testing for PO.HP.01. Further observation will be required for HPCS flow testing. The inspector verified that the procedure was available and in use, that test prerequisites had been met, that necessary plant systems were in operation, that administrative controls for testing were being strictly adhered to, and that test documentation was being kept current. Test personnel performance was correct and timely, showing marked improvement over past observation.

No items of noncompliance or deviations were noted.

## 7. Plant Tours

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

- (a) 1C34-R608 - Recorder in 1H13-P603 had a broken terminal board.
- (b) 1B21-R623B - Recorder in 1H13-P601 was missing a terminal board hold down screw.
- (c) An air-operated scram valve on hydraulic control unit 10-07 had a packing leak.
- (d) The cable tray tunnel area in the northwest quadrant on the 525' elevation of the Reactor Building was cluttered with rags, papers, and packing material. This area contained safety-related (Division II) cable trays. The area was immediately cleaned up.

No items of noncompliance or deviations were noted.

8. Unresolved Items

Unresolved items are matters about which more information is required in order to ascertain whether they are acceptable items, items of non-compliance, or deviations. Two unresolved items disclosed during this inspection are discussed in paragraph 2 and 5.

9. Management Exit Interview

The inspector met with licensee representatives (denoted in paragraph 1) at the conclusion of the inspection on May 1, 1981. The inspector summarized the scope and findings of the inspection.