

U.S. NUCLEAR REGULATORY COMMISSION

REGION III

Report Nos. 50-440/82-14(DPRP); 50-441/82-13(DPRP)

Docket Nos. 50-440, 50-441

License Nos. CPPR-148; CPPR-149

Licensee: Cleveland Electric Illuminating Company  
Post Office Box 5000  
Cleveland, OH 44101

Facility Name: Perry Nuclear Power Plant, Units 1 and 2

Inspection Conducted: October 20-22, 1982

Inspector: *P.R. Pelke*  
P. R. Pelke

11/5/82

Approved By: *J.E. Konklin*  
J. E. Konklin, Chief  
Reactor Projects Section 1A

11/9/82

Inspection Summary

Inspection Conducted October 20-22, 1982 (Report Nos. 50-440/82-14(DPRP); 50-441/82-13(DPRP))

Areas Inspected: Routine inspection of IE Circulars and IE Bulletins. This inspection involved a total of 20 inspector-hours onsite by one inspector.

Results: No items of noncompliance or deviations were identified.

## DETAILS

### 1. Principal Persons Contacted

- \*M. Edelman, Division Manager, Nuclear Engineering and Construction
- \*E. Riley, General Supervising Engineer, Nuclear Construction  
Quality Section
- \*W. Coleman, Senior Licensing Engineer
- B. Nyerges, Environmentalist
- E. Adams, Senior Instrumentation and Control Engineer

\*Denotes those present at the exit meeting.

### 2. Evaluation of Licensee Action With Regard to IE Circulars

(Open) IE Circular 80-01: Service Advice for General Electric Induction Relays. Only IAV type relays are used at Perry. This circular will remain open pending completion of the licensee's corrective actions when equipment is turned over to the Nuclear Test Section for startup. The inspector verified that this commitment is in the licensee's Commitment Tracking System.

(Open) IE Circular 80-02: Nuclear Power Plant Staff Work Hours. The guidelines of this circular were revised by NRR Generic Letter No. 82-02 which was not available in the circular file. The licensee will forward the generic letter to the assigned reviewer. This circular will remain open pending completion of the licensee's review.

(Open) IE Circular 80-09: Problems with Plant Internal Communications Systems. An evaluation had not been accomplished. This circular will remain open pending completion of the licensee's evaluation.

(Closed) IE Circular 80-22: Confirmation of Employee Qualifications. The inspector reviewed documentation from Cleveland Electric Illuminating, Gilbert Associates, Kaiser Engineering, and General Electric which indicate that the circular was reviewed and policies are implemented to confirm professional qualifications of employees.

(Closed) IE Circular 80-23: Potential Defects in Beloit Power Systems Emergency Generators. The subject generators are not used at Perry.

(Closed) IE Circular 81-01: Design Problems Involving Indication Push-button Switches Manufactured by Honeywell Incorporated. The inspector reviewed GE letter PY-GEN/CEI - 1460 dated April 15, 1981, and GAI letter PY-GAI/CEI - 11436 dated March 3, 1981, which state that the pushbutton switches are not incorporated in the NSSS or balance of plant, respectively. The inspector notes that the IE Document Response form requires updating to reflect the current file status.

(Open) IE Circular 81-02: Performance of NRC-Licensed Individuals While on Duty. This circular will remain open pending the licensee's develop-

ment of administrative procedures and implementation of recommended actions.

(Closed) IE Circular 81-03: Inoperable Seismic Monitoring Instrumentation. The licensee will utilize a Kinematics SMA-3 strong motion accelerometer which has not exhibited a corrosion problem. The inspector reviewed a memorandum, prepared by the evaluator, forwarding the circular to the Perry Plant Department maintenance section for action. The inspector notes that this memorandum was not available in the circular file. The licensee subsequently filed a copy.

(Open) IE Circular 81-05: Self-Aligning Rod End Bushings For Pipe Supports. The inspector reviewed CEI letter PY-CEI/KEL-212 to Pullman Power Products dated June 11, 1981, requesting their review of this circular. No response was available in the file. The inspector reviewed a memorandum dated December 18, 1981, from CEI Licensing to the assigned CEI reviewer requesting a response by the end of January 1982. No response was available in the file. This circular will remain open pending completion of the licensee's evaluation.

(Closed) IE Circular 81-06: Potential Deficiency Affecting Certain Foxboro 10 to 50 Milliampere Transmitters. The licensee determined that Foxboro transmitters are not used in safety-related systems.

(Closed) IE Circular 81-09: Containment Effluent Water that Bypasses Radioactivity Monitor. The inspector reviewed GAI letter PY-GAI/CEI-11911 dated October 14, 1981, which determined that there are no water system effluents that flow directly to the environment from containment that are not automatically isolated by a high-drywell pressure containment isolation signal, and therefore, no pathway exists for unmonitored discharge.

(Open) IE Circular 81-11: Inadequate Decay Heat Removal During Reactor Shutdown. This circular will remain open pending the licensee's development of applicable procedures and administrative controls which incorporate the guidelines of this circular.

(Open) IE Circular 81-12: Inadequate Periodic Test Procedure of PWR Protection System. The inspector reviewed a memorandum dated December 18, 1981 from CEI Licensing to the Nuclear Design Section requesting a review of this circular by January 31, 1982. No review was available. This circular will remain open pending completion of the licensee's review.

(Open) IE Circular 81-13: Torque Switch Electrical Bypass Circuit for Safeguard Service Valve Motors. The inspector reviewed GAI letter PY-GAI/CEI-12581 dated May 28, 1982, which identified all valves requiring torque switch bypass circuits and verified all applicable electrical drawings correctly reflect these circuits. This circular will remain open pending completion of items 1, 3 and 4.

3. Evaluation of Licensee Action With Regard to IE Bulletins

(Open) IE Bulletin 79-12: Short Period Scrams at BWR Facilities. This bulletin will remain open pending completion of the licensee's review and procedural development.

(Open) IE Bulletin 79-18: Audibility Problems Encountered on Evacuation of Personnel from High-Noise Areas. The licensee has determined that the Perry public address system has been designed to be audible above the estimated ambient noise levels. Final volume settings will be made as areas are completed and the actual noise levels are determined. This bulletin will remain open pending the licensee's testing of the public address system for adequate audibility. The inspector notes that a commitment listed on the IE Document Response form was not entered into the Commitment Tracking System.

(Closed) IE Bulletin 79-21: Temperature Effects in Level Measurements. The licensee has determined that the bulk, post-accident containment temperatures are limited to 180° F. This results in a negligible error in the reactor vessel water level readings.

(Open) IE Bulletin 79-24: Frozen Lines. This bulletin will remain open pending completion of related construction, in order to verify that all safety-related lines exposed to freezing weather are adequately heat traced.

(Closed) IE Bulletin 80-04: Analysis of a PWR Main Steam Line Break with Continued Feedwater Addition. This bulletin is not applicable to Perry.

(Closed) IE Bulletin 80-21: Valve Yokes Supplied by Malcolm Foundry Company, Inc. The licensee determined that Malcolm Foundry castings are not used in safety-related valves.

(Closed) IE Bulletin 80-23: Failures of Solenoid Valves Manufactured by Valcor Engineering Corporation. The licensee determined that Valcor solenoid valves having part numbers V70900-21-1 or 3 are not used in any safety-related systems. The inspector interviewed the evaluator to verify that all aspects of this bulletin were considered during the review.

(Closed) IE Bulletin 80-24: Prevention of Damage Due to Water Leakage Inside Containment (October 17, 1980 Indian Point 2 Event). The inspector reviewed GAI letter PY-GAI/CEI-11319 dated December 30, 1980. GAI determined that Perry does not utilize an open cooling water system inside containment.

(Open) IE Bulletin 80-25: Operating Problems with Target-Rock Safety-Relief Valves at a BWR. A copy of the bulletin was not available in the file. Additionally, the IE Document Response form indicated an incomplete review. This bulletin will remain open pending completion of the licensee's evaluation.

(Closed) IE Bulletins 81-02 and 81-02, Revision 1: Failure of Gate Type Valves to Close Against Differential Pressure. The licensee determined that the affected valves manufactured by Westinghouse Electro-Mechanical Division and Borg Warner Nuclear Valve Division are not used at Perry.

(Closed) IE Bulletin 81-03: Flow Blockage of Cooling Water to Safety System Components by CORBICULA SP. (ASIATIC CLAM) and MYTILUS SP. (MUSSEL). The current aquatic environmental monitoring program yielded no evidence of Corbicula in six locations checked in the vicinity of the Perry site. Mytilus exists only in salt water. The potential for intrusion by these organisms as a result of low level and high velocities at the point of intake is minimal since Perry utilizes a subsurface intake structure in a standing body of water. If future results of the environmental monitoring program indicate the presence of Corbicula in the local environment, the licensee will take appropriate preventive and corrective actions.

4. Procedure Review

(Open) Noncompliance (440/82-09-04j; 441/82-08-04j): The inspector reviewed Project Administration Procedure 1601, Revision 1, dated August 24, 1981, "Evaluation of IE Documents." The concerns identified in Paragraphs 2 and 3 of this report for IE Circulars 80-09, 81-03, 81-05, and 81-12 and IE Bulletins 79-18 and 80-25 are further examples of failure to follow PAP 1601. The inspector reviewed the licensee's response dated October 8, 1982, which indicated that the lack of timeliness relates only to Information Notices, and that IE Bulletins and Circulars are being adequately tracked. The inspector noted that this statement is contrary to the examples identified in Paragraphs 2 and 3. The licensee agreed to submit a revised response which addresses corrective actions with regard to IE Bulletin and IE Circular evaluation.

5. Exit Interview

The inspector met with licensee representatives denoted in Paragraph 1 on October 22, 1982, to discuss the scope and results of the inspection.