



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION III
799 ROOSEVELT ROAD
GLEN ELLYN, ILLINOIS 60137

A-14 Barrett

April 3, 1981

NOTICE OF SIGNIFICANT LICENSEE MEETING

Name of Licensee: Cincinnati Gas and Electric Company

Name of Facility: Wm. H. Zimmer Nuclear Power Station

Docket No. 50-358

Date and Time of Meeting: April 10, 1981, 10:00 a.m.

Location of Meeting: Region III Office
799 Roosevelt Road
Glen Ellyn, IL 60137

Purpose of Meeting: Discuss the NRC investigation and CG&E's proposed corrective action program for deficiencies identified to date.

IE Attendees:

J. G. Keppler, Director, Region III
A. B. Davis, Deputy Director, Region III
G. Fiorelli, Chief, Projects Branch 2
R. F. Warnick, Chief, Reactor Projects Section 2B
P. A. Barrett, Reactor Inspector, Region III
J. B. McCarten, Investigator, Region III
Others as designated by the Director, Region III

Licensee Attendees:

E. A. Borgmann, Vice President, Engineering Services and Electrical Production
Other members of CG&E management as designated by the licensee.

Note: Attendance by NRC personnel at the IE/licensee meeting should be made known by 3:00 p.m., April 9, 1981, via telephone call to R. F. Warnick, RIII, FTS 384-2541.

Distribution:

J. H. Sniezek, Director, Division of Resident and Regional Reactor Inspection
E. L. Jordan, Deputy Director, Division of Resident and Regional Reactor Inspection, IE
D. Thompson, Director, Enforcement and Investigation, IE
R. L. Tedesco, Assistant Director for Licensing, NRR
A. Schwencer, Chief, Licensing Branch 2, NRR
I. A. Peltier, Project Manager, Licensing Branch 2, NRR
J. P. Murray, Director, Rulemaking and Enforcement Division, ELD



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A-15

April 22, 1981

MEMORANDUM FOR: R. F. Warnick, Chief, Reactor Projects Section 2B
THRU: *JNT* I. N. Jackiw, Acting Chief, Test Program Section
FROM: F. Maura, Reactor Inspector
SUBJECT: RESULTS OF ZIMMER INVESTIGATION

On April 17, 1981 I completed my write-up of the investigation of the Zimmer diesel generator subsystems and gave a copy to Paul Barrett. The purpose of this memo is to give you my recommendations on what actions are required to correct the problems noted.

Small Bore Piping Weld Fit-up Verification

The licensee shall be required to tabulate all small bore piping in systems important to safety where the QA inspector failed to verify proper fit-up prior to welding. The tabulation should be by system, drawing number and line number. Initially our position should be that all those welds be radiographed to verify that approximately a 1/16" gap was maintained prior to welding. Our fall-back position should be that IE:RIII will determine which welds the licensee shall radiograph. Our selection shall be based on system function, type of service the system is subjected to (design pressure, temperature, etc.) materials used, etc. For example, all safety related systems shall require 100% verification by radiography.

Lack of Adequate Material Heat Number Traceability

The licensee shall be required to walk down all systems important to safety, using the latest as-built drawings, and record the heat number of all pipes, fittings, etc. If the heat number can not be found on the component, it shall be marked on the drawing as "unknown". Next, the licensee shall verify that the installed heat numbers are acceptable (material certifications are available at the site and meet the ASTM Specifications). All material with unacceptable heat numbers shall be replaced. With regards to material of unknown heat number (not stamped on pipe) our initial position should be that it be replaced. Our fall-back position should be for IE:RIII to review each item and based on system function, type of service, environment, etc. make a determination of which components shall be replaced and which to accept.

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Alterations of Weld Records (KE-1) Based on Weld Rod Issue Records (KE-2)

The licensee shall discontinue using the material issue forms to correct QA records. To prevent further deterioration of the QA records the licensee shall not attempt to remove the "corrections" already made, instead the licensee shall tabulate all QA records which were modified using Construction Department records. For turnover purposes the licensee will have to accept from Kaiser the records as they now exist. Where the records as they now exist are unacceptable, the only solution shall be to perform the work over again.

NRC's Performance

The NRC shall determine why it failed so miserably, during its routine inspection program in identifying and correcting the problems now surfacing at the Zimmer site. These are problems which should have been detected and corrected two or three years ago. Either our inspection program, the inspectors, our management, or a combination of all three allowed these problems to exist for so long. Corrective action must be taken to prevent recurrence. Our findings raise the question whether Zimmer's problems are an isolated case or whether our program has allowed similar problems to develop in other plants within our region. To answer that question RIII must conduct similar team inspections at other RIII plants under construction as soon as possible.

F. Maura

F. Maura, Reactor Inspector