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

REGION III

Report No. 50-358/78-15

Docket No. 50-358 License No. CPPR-80

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

Facility Name: Wm. H. Zimmer Nuclear Power Station, Unit 1

Inspection At; Zimmer Site, Moscow, OH

Inspection Conducted: July 18-21 and August 9-11, 1978

Inspector: F. A. Maura _____

Approved By: J. F. Streeter, Chief _____
Nuclear Support Section 1

Inspection Summary

Inspection on July 18-21 and August 9-11, 1978 (Report No. 50-358/78-15)
Areas Inspected: Preoperational test program organization and administration, and the status of construction as it relates to the preoperational test program. The inspection involved 53 inspector-hours onsite by one NRC inspector.
Results: No items of noncompliance or deviations were identified.

DETAILS

1. Persons Contacted

*J. Schott, Station Superintendent
*W. Schwiers, Principal QA and Standards Engineer
*P. King, Assistant Superintendent
*S. Martin, Test Coordinator
*J. Wald, Station Quality Engineer
R. Price, Training Supervisor
G. Anderson, EPD System Turnover Coordinator

The inspector also interviewed other licensee employees including members of the administrative, technical, operating and construction staffs.

* Denotes those present at the exit interview.

2. Preoperational Test Program

The inspector reviewed the discussed with the licensee the following procedures:

ZPSI-SUM-0	Preoperational and Startup Testing Manual, Revisions 1 and 2
SU.ACP.01	Preparation of Startup Administrative Procedures, Revisions 1 and 2
SU.ACP.04	Preparation, Review, Approval and Revision To Preoperational Test Procedures, Revisions 0 and 1
SU.ACP.05	Conduit of Preoperational Tests, Revision 0
SU.ACP.06	Preparation of Project Procedures, Revisions 1 and 2
SU.ACP.07	Qualifications of Preop and Startup Test Personnel, Revisions 1 and 2
SU.ACP.08	Generation and Control of The System Index Text Matrix, Revisions 0 and 1
SU.ACP.09	Jurisdictional Blue Tagging of Systems, Revisions 0 and 1

SU.ACP.10	Guidelines for Walkdown of Equipment or System, Revisions 0 and 1
SU.ACP.11	Processing and Review of Design Document Change Forms, Revision 1
SU.ACP.12	Processing of Nonconformance Reports, Revision 2
SU.ACP.13	Processing of Engineering Change Request Forms, Revisions 1 and 2
SU.ACP.14	Approval of Preoperational Test Results, Revision 0
SU.ACP.15	Tagging of Systems Turned Over for Preoperational Testing, Revision 0
SU.PRP.01	System Release and Turnover, Revisions 0 and 1

Among the areas which will require clarification in either the FSAR, Preoperational and Startup Testing Manual, or the implementing procedures are:

a. The function of the different organizations or groups in the review and approval chain of preoperational test procedures and results. The licensee plans to ammend the FSAR to agree with their Testing Manual.

b. The complete installation of seismic restraints prior to preoperational testing of equipment. The licensee plans to ammend the FSAR and will require completion prior to fuel loading.

c. The development of criteria for the restart of an interrupted test. The licensee will add these criteria to ACP #5.

d. Ensuring that identified deficiencies are reviewed for required retesting and that the review is documented. The licensee will add this requirement to ACP #5.

e. Ensuring that preoperational test procedures reflect the latest drawings prior to their use. The licensee will add this requirement to ACP #5.

f. The requirement that proposed design changes be reviewed for conformance with the FSAR, codes, and standards; and

that revisions to the FSAR, if required by proposed design changes, are submitted to the NRC promptly. The licensee will include this requirement in procedure 03-QAS-03.

g. The identification of retesting required by design changes to systems or components once the system has been turned over for preoperational testing. The licensee will include this in procedure 03-QAS-03.

h. The development of procedures to cover equipment protection and cleanliness as plant areas or systems are turned over from construction to EPD. The licensee noted they will be developed.

i. The development of procedures to cover maintenance of equipment turned over for operation. The licensee stated they were being generated.

j. The inclusion of control room equipment in the green tagging of equipment turned over for preoperational testing. The licensee will include control room equipment in ACP #15.

During the review of SU.ACP.07 the qualifications of instrument and control technicians were discussed in detail. The licensee is not commited to meet ANSI N18.1-1971 prior to the issuance of the license. At the present time four individuals meet the ANSI requirements while five lack the required two years of experience (range between 12 to 18 months). This item was resolved during a telephone conversation on August 17, 1978 (refer to paragraph 4).

The licensee stated he will not turnover any system for preoperational testing until the above areas are resolved.

No items of noncompliance or deviations were identified.

3. Plant Familiarization

The inspector started his familiarization with plant system and layout on August 9 and 10, 1978.

4. Exit Interview

The inspector met with licensee representatives (denoted in paragraph 1) at the conclusion of the inspection on August 11, 1978. The inspector summarized the scope and findings of the inspection.

In response to an inspector's concern regarding instrument technicians qualifications during preoperational testing the licensee commited, during a phone conversation with the Station Superintendent on August 17, 1978, to perform all neutron monitoring equipment calibrations and tests with personnel who have either,

a. performed that type of work before at other sites, or
b. been trained to perform that type of work and who will be under the direct supervision of personnel who have done that type of work before.