

THE CINCINNATI GAS & ELECTRIC COMPANY



CINCINNATI, OHIO 45201

October 6, 1983  
LOZ-83-0163

J. WILLIAMS, JR.  
SENIOR VICE PRESIDENT  
NUCLEAR OPERATIONS

Docket No. 50-358

Mr. Harold Denton, Director  
Office of Nuclear Reactor Regulation  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Dear Mr. Denton:

RE: WM. H. ZIMMER NUCLEAR POWER STATION  
UNIT 1 - NRC REQUEST FOR ADDITIONAL  
INFORMATION: CONTROL OF HEAVY LOADS

This letter is in response to NRC letter dated August 11, 1983 from Mr. B. J. Youngblood, which requested additional information on the control of heavy loads pertaining to NUREG-0612, "Control of Heavy Loads at Nuclear Power Plants".

Enclosed with this letter is CG&E's response to the Phase I objective of NUREG-0612, identified in Article 5.1.1.

Very truly yours,

THE CINCINNATI GAS & ELECTRIC COMPANY

By *J. Williams, Jr.*  
J. WILLIAMS, JR.  
SENIOR VICE PRESIDENT

SJT/sfr

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Director  
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ATTN: T.H. Stickley

## REQUEST

The Phase I objective of NUREG-0612, identified in article 5.1.1, is to ensure that all load handling systems at nuclear power plants are designed and operated such that their probability of failure is uniformly small and appropriate for the critical tasks in which they are employed.

Enclosed in Mr. Youngblood's August 11, 1983 letter to CG&E is a report prepared by EG&G, "Control of Heavy Loads at Nuclear Power Plants, Wm. H. Zimmer Nuclear Power Station (PHASE I)", dated July, 1983. The report stated that design information is not presented for Item No. 301 (Turbine Building Crane) and that further information is needed. The report also stated that for Hoist Item 108, the general listings rate the hoist at 18 tons and at 20 tons. This data should be consistent.

## REPLY

All cranes and hoists purchased for use at the Wm. H. Zimmer Nuclear Power Station were purchased to Sargent & Lundy (S&L) specifications.

These specifications are based upon various standards applicable at the time of equipment purchase. Structural requirements were based upon Electric Overhead Crane Institute (EOCI) and American Institute for Steel Construction (AISC) standards for overhead bridge cranes and ANSI B30.11 or ANSI B30.16, as appropriate, for underhung cranes or hoists. Electrical equipment for motor operated cranes was specified to meet and be tested to applicable United States of America Standards Institute (USASI) standards or ANSI B30.2.0. In addition, the requirements of CMAA No. 61 or CMAA No. 70 were specified, as well as applicable IEEE and NEMA standards.

Item No. 301 (Turbine Building Crane) was specified per the structural requirements of EOCI and AISC standards for overhead bridge cranes. The electrical crane equipment for Item No. 301 was specified to meet USASI standards, and the requirements of CMAA No. 61.

Item No. 108 (Main Steam Isolation Valve Hatch Slab Hoist) was specified per the structural requirements of ANSI B30.16. The electrical motor equipment for Item No. 108 was specified to meet ANSI B30.2.0, and the requirements of CMAA No. 70. Item No. 108 is rated at 20 Tons.

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Additional clarification applies to Item No. 101. The June 1, 1983 CG&E report, "Wm. H. Zimmer Nuclear Power Station-Unit 1, Heavy Loads Report", stated that Item No. 101 (Reactor Building Crane) was specified per the requirements of CMAA. The Sargent & Lundy purchase specification stated that electrical equipment for motor operated cranes meet the requirements of CMAA No. 61. Item No. 101 was not specified to meet the requirements of CMAA No. 70.