



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

February 14, 1984

Docket Nos. 50-237/249
LS05-84-02-026

Mr. Dennis L. Farrar
Director of Nuclear Licensing
Commonwealth Edison Company
Post Office Box 767
Chicago, Illinois 60690

Dear Mr. Farrar:

SUBJECT: MARK I CONTAINMENT LONG TERM PROGRAM - PLANT UNIQUE ANALYSIS
REPORT STRUCTURAL EVALUATION

Re: Dresden Nuclear Power Station, Unit Nos. 2 and 3

The NRC staff and its consultant Franklin Research Center (FRC) are reviewing the structural aspects of your plant unique analysis report. As a result of our review to date we have prepared the enclosed request for additional information.

It is requested that you provide a response within 45 days of receipt of this letter. If you determine there is a need to meet with or to have a conference call with the staff and FRC to discuss this request prior to responding, please contact your project manager. In addition, if you cannot meet this response date, please notify your project manager within seven days of receipt of this letter.

This request for information was approved by the Office of Management and Budget under clearance number 3150-0091 which expires October 31, 1985.

Sincerely,

Dennis M. Crutchfield
Dennis M. Crutchfield, Chief
Operating Reactors Branch #5
Division of Licensing

Enclosure:
Request for Additional
Information

cc w/enclosure:
See next page

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Mr. Dennis L. Farrar

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cc

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Counselors at Law
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Mr. Doug Scott
Plant Superintendent
Dresden Nuclear Power Station
Rural Route #1
Morris, Illinois 60450

U. S. Nuclear Regulatory Commission
Resident Inspectors Office
Dresden Station
Rural Route #1
Morris, Illinois 60450

Chairman
Board of Supervisors of
Grundy County
Grundy County Courthouse
Morris, Illinois 60450

U. S. Environmental Protection Agency
Federal Activities Branch
Region V Office
ATTN: Regional Radiation Representative
230 South Dearborn Street
Chicago, Illinois 60604

James G. Keppler, Regional Administrator
Nuclear Regulatory Commission, Region III
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Glen Ellyn, Illinois 60137

Mr. Gary N. Wright, Manager
Nuclear Facility Safety
Illinois Department of Nuclear Safety
1035 Outer Park Drive, 5th Floor
Springfield, Illinois 62704

REQUEST FOR ADDITIONAL INFORMATION

MARK I CONTAINMENT LONG TERM PROGRAM - PLANT UNIQUE ANALYSIS REPORT

DRESDEN NUCLEAR POWER STATION, UNIT NOS. 2 AND 3

DOCKET NOS. 50-237/249

- Item 1: Provide a summary of the analysis with regard to the vacuum breaker piping systems and the vacuum breaker valves; indicate whether they are considered Class 2 components as required by the criteria [1].
- Item 2: Provide a list indicating whether all the piping systems and their supports have been classified as essential or non-essential piping systems.
- Item 3: Provide and justify the reasons for not considering a 180° beam model of the torus including columns, saddles, and seismic restraints in order to determine the effects of nonsymmetric loads such as SRV and chugging for Dresden Units 2 and 3.
- Item 4: With respect to Sections 5-3.3 and 5-4.3 of the PUA report [2], show that SRVDL support stresses due to extreme environmental and emergency conditions do not exceed the Service Level C and D Limits specified in the ASME B&PV Code, Section III, Division I, Subsection NF for Class 2 or 3 linear supports.
- Item 5: Provide calculations demonstrating conformance to the 10% rule of Section 6-3.1 [1] for piping systems in Dresden Units 2 and 3 that were exempted from analysis because of the 10% rule.
- Item 6: Tables 2-2.5-3 of Reference 2 indicates that the calculated values of certain stresses are close to the respective allowables. Indicate conservatisms in the analysis to show that these calculated values would not be exceeded if a different analytical approach were to be used.

REFERENCES

1. NEDO-24583-1
"Mark I Containment Program Structural Acceptance Criteria Plant Unique Analysis Application Guide"
General Electric Co., San Jose, CA
October 1979
2. Dresden Nuclear Power Station Units 2 and 3
Plant Unique Analysis Report
Volumes 1, 2, 3, 4, 5, 6, and 7 - Revision 0
Commonwealth Edison Company
May 1983

