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ACCESSION NBR: 8102200297 DOC. DATE: 81/01/22 NOTARIZED: NO DOCKET #
 FACIL: 50-438 Bellefonte Nuclear Plant, Unit 1, Tennessee Valley Au 05000438
 AUTH. NAME: AUTHOR AFFILIATION
 MILLS, L.M. Tennessee Valley Authority -
 RECIP. NAME: RECIPIENT AFFILIATION
 O'REILLY, J.P. Region 2, Atlanta, Office of the Director

M/A
1

SUBJECT: Part 21 rept & First Interim Deficiency Rept 50-438/81-06 re:
 GE failure to verify response spectra supplied by util for
 preliminary analysis of piping, initially reported 801224.
 Util evaluating situation. Next rept expected by 810513.

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 TITLE: Construction Deficiency Report (10CFR50.55E)

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TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

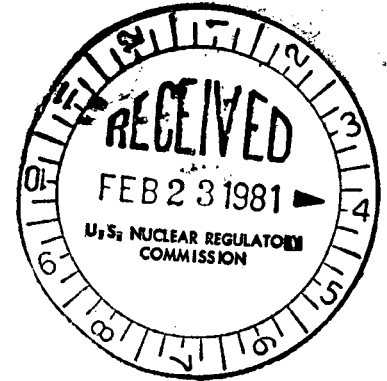
400 Chestnut Street Tower II

January 22, 1981

BLRD-50-438/81-06

81-011-036

Mr. James P. O'Reilly, Director
Office of Inspection and Enforcement
U.S. Nuclear Regulatory Commission
Region II - Suite 3100
101 Marietta Street
Atlanta, Georgia 30303



Dear Mr. O'Reilly:

BELLEFONTE NUCLEAR PLANT UNIT 1 - FAULTY ANALYSIS BY PMB SYSTEMS
ENGINEERING - BLRD-50-438/81-06 - FIRST INTERIM REPORT

The subject deficiency was initially reported to NRC-OIE Inspector W. Swan on December 24, 1980, in accordance with 10 CFR 50.55(e) as NCR BLN CEB 8010. Enclosed is our first report. We expect to submit our next report by May 13, 1981. We consider 10 CFR Part 21 to be applicable to this deficiency.

If you have any questions concerning this matter, please get in touch with D. L. Lambert at FTS 857-2581.

Very truly yours,

TENNESSEE VALLEY AUTHORITY

L. M. Mills by *RLS*

L. M. Mills, Manager
Nuclear Regulation and Safety

Enclosure

cc: Mr. Victor Stello, Jr., Director (Enclosure)
Office of Inspection and Enforcement
U.S. Nuclear Regulatory Commission
Washington, DC 20555

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OFFICIAL COPY

ENCLOSURE

BELLEFONTE NUCLEAR PLANT UNIT 1
FAULTY ANALYSIS BY PMB SYSTEMS ENGINEERING
BLRD-50-438/81-06
10 CFR 50.55(e)
FIRST INTERIM REPORT

Description of Deficiency

In performing the final piping analysis for piping in the Diesel Generator Building, PMB Systems Engineering, Incorporated, did not verify the response spectra supplied by TVA for the preliminary analysis of piping. The spectra application is directional in nature and must be modeled as such. PMB's analysis confused the input such that the response spectra was applied in incorrect directions, hence nullifying the validity of the analysis.

Interim Progress

TVA is in the process of evaluating the situation. At this time it is not known whether the analysis will be resubmitted to PMB Systems Engineering with proper input or if TVA will handle the analysis inhouse.

PART 21 IDENTIFICATION NO. 81-349-000COMPANY NAME Tennessee Valley AuthorityDATE OF LETTER 1/24/81DOCKET NO. 50-438DATE DISTRIBUTED 1/26/81 p.m.ORIGINAL REPORT ☒SUPPLEMENTARY ☐DISTRIBUTION:REACTOR (R) ☒FUEL CYCLE & ☐SAFEGUARDS (S) ☐~~IE FILES~~MATERIALS (M)

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CENTRAL FILES SS-396

LPDR

PDR

TERA

LPDR

TERA

CENTRAL FILES 016

~~CENTRAL FILES (CHRON)~~

PDR

LPDR

TERA

ACTION:

PRELIMINARY EVALUATION OF THE ATTACHED REPORT INDICATES LEAD RESPONSIBILITY FOR FOLLOWUP AS SHOWN BELOW:

IE ☒NRR ☐NMSS ☐OTHER ☐

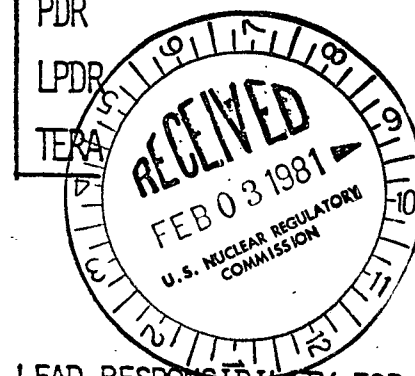
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9/17/80

10/1/80



NRC Part 21 ID # 81-349-000
TENNESSEE VALLEY AUTHORITY
CHATTANOOGA, TENNESSEE 37401

400 Chestnut Street Tower II

January 22, 1981

BLRD-50-438/81-06

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Office of Inspection and Enforcement
U.S. Nuclear Regulatory Commission
Region II - Suite 3100
101 Marietta Street
Atlanta, Georgia 30303

Dear Mr. O'Reilly:

BELLEFONTE NUCLEAR PLANT UNIT 1 - FAULTY ANALYSIS BY PME SYSTEMS
ENGINEERING - BLRD-50-438/81-06 - FIRST INTERIM REPORT

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Enclosure

cc: Mr. Victor Stello, Jr., Director (Enclosure) ✓
Office of Inspection and Enforcement
U.S. Nuclear Regulatory Commission
Washington, DC 20555

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BLRD-50-438/81-06
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