

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

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 -
 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.

DISTRIBUTION CODE: B019S COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 2
 TITLE: Construction Deficiency Report (10CFR50.55E)

NOTES:

ACTION:	RECIPIENT	COPIES		RECIPIENT	COPIES	
	ID CODE/NAME	LTR	ENCL	ID CODE/NAME	LTR	ENCL
ACTION:	A/D LICENSNG 04	1	1	YOUNGBLOOD, B 05	1	1
	RUSHBROOK, M. 06	1	1	BOURNIA, T. 07	1	1
INTERNAL:	AD/RCI/IE 17	1	1	ASLBP/J.HARD	1	1
	D/DIR HUM FAC15	1	1	DIR, DIV OF LIC	1	1
	EDO & STAFF 19	1	1	EQUIP QUAL BR11	1	1
	HYD/GEO BR 22	1	1	I&E 09	1	1
	LIC QUAL BR 12	1	1	MPA 20	1	1
	NRC PDR 02	1	1	OELD 21	1	1
	PROC/TOT REV 13	1	1	GA BR 14	1	1
<u>REG FILE</u> 01	1	1	RUTHERFORD, W, IE	1	1	
STANDRDS DEV 21	1	1				
EXTERNAL:	ACRS 16	16	16	LPDR 03	1	1
	NSIC 08	1	1			

FEB 26 1981

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

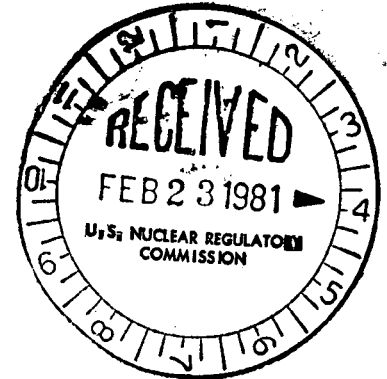
400 Chestnut Street Tower II

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

3019
S/le

8102200297

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.

Tennessee Valley Authority

PART 21 IDENTIFICATION NO. 81-349-000

COMPANY NAME Valley Authority

DATE OF LETTER 1/24/81

DOCKET NO. 50-438

DATE DISTRIBUTED 1/26/81 p.m.

ORIGINAL REPORT

SUPPLEMENTARY

DISTRIBUTION:

REACTOR (R)

FUEL CYCLE &

SAFEGUARDS (S)

~~IE FILES~~

MATERIALS (M)

IE FILES

EES

IE FILES

AD/SG

REGIONS I, II, III, IV, V

REGIONS I, II, III, IV, V

REGIONS I, II, III, IV, V

VENDOR BR. R-IV

VENDOR BR. R-IV

VENDOR BR. R-IV

LOEB / MPA MNB 5715

NMSS / FCMS SS-396

NRR/DOL

AEOD MNB 7602

LOEB / MPA MNB 5715

NMSS / SG SS-881

NRR/DOE

AEOD MNB 7602

LOEB / MPA MNB 5715

NRR/DSI

ASLBP E/W 450

AEOD MNB 7602

NRR/DST

SAP/SP MNB-7210A

ASLBP E/W 450

NRR/DOL

ASLBP E/W 450

CENTRAL FILES 016

CENTRAL FILES 016

CENTRAL FILES (CHRON)

CENTRAL FILES (CHRON)

PDR

CENTRAL FILES SS-396

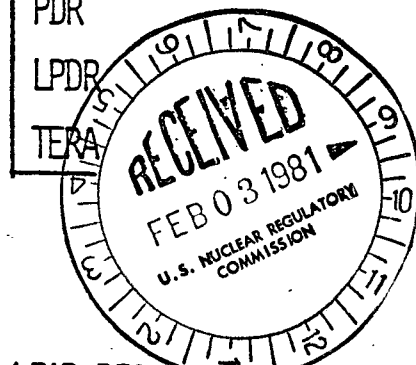
LPDR

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

EES

8102200297

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

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, 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

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.