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# BALTIMORE GAS AND ELECTRIC COMPANY

GAS AND ELECTRIC BUILDING  
BALTIMORE, MARYLAND 21203

ARTHUR E. LUNDVALL, JR.  
VICE PRESIDENT  
SUPPLY

September 4, 1979

Mr. Boyce H. Grier, Director  
Region I, Office of Inspection and Enforcement  
U. S. Nuclear Regulatory Commission  
631 Park Avenue  
King of Prussia, PA 19406

Subject: Calvert Cliffs Nuclear Power Plant  
Units Nos. 1 & 2, Docket Nos. 50-317 & 50-318  
IE Bulletin No. 79-14  
Seismic Analyses for As-Built Piping Systems

Dear Mr. Grier:

This letter constitutes the 60 day report required by  
IE Bulletin 79-14.

We have completed the inspection required by item 2 of  
the Bulletin for all accessible systems (both redundant and non-  
redundant) of both Unit 1 and 2. Results of the inspection on  
each individual piping "stress problem" were categorized as follows:

- Group 1 - No non-conformance, or minor non-conformance(s) that  
clearly do not affect system operability.
- Group 2 - Non-conformance elements are judged to be significant,  
but a review of the original calculation indicates that  
the impact on the system operability or functionality  
is minor. Examples of this group are non-conformance  
of pipe support locations, pipe segment length, etc.,  
on a low stressed piping system. Group 2 systems can  
be operated, but analyses must be updated and/or minor  
modifications completed.
- Group 3 - Non-conformances are judged to be possibly significant  
and the review of the original calculation indicates  
that there may be impacts to the operability or function-  
ality of the system. Examples are missing seismic  
supports at a highly stressed location, etc.

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Group 4 - Discrepancies previously identified, resulting from a re-definition of the boundaries between seismic and non-seismic systems. The re-definition added additional conservatism to the original as-built design criteria as described in the FSAR, and several additional pipe supports were designed, but not yet installed

Attachment 1 summarizes results to date; attachment 2 itemizes non-conformances found, action planned, and estimated schedule for completing action. Our schedule for the remainder of the inspection program is as explained in our letter of July 31, 1979.

Very truly yours,



cc: J. A. Biddison, Esquire  
G. F. Trowbridge, Esquire  
Mr. E. L. Conner, Jr. - NRC  
Mr. J. W. Brothers - Bechtel

Office of Inspection & Enforcement  
U. S. Nuclear Regulatory Commission  
Division of Reactor Inspection  
Washington, D. C. 20555

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ATTACHMENT 1  
IE BULLETIN 79-14  
INSPECTION RESULTS THROUGH 8/31/79

	<u>Unit 1</u>	<u>Unit 2</u>
Total Problems Complete	80	87
Partial Problems (Accessible Area) Complete	28	27
Inaccessible Problems	94	63
Results		
Group 1	70	86
Group 2	5	1
Group 3	0	0
Group 4	5	0

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Attachment 2  
Description Of Non-Conformances

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<u>Unit</u>	<u>Group</u>	<u>Problem No.</u>	<u>Isometric No.</u>	<u>System</u>	<u>Non-Conformance</u>	<u>Action Required</u>	<u>Estimated Completion</u>
1	2	9	SKM 608 Sh 11 SKM 608 Sh 12 SKM 608 Sh 18	Shutdown Heat Exchanger Piping	Minor deviation in geometry (dimensions). Minor deviation in support location.	Update Analysis	9/28/79
1	2	41	SKM 620 Sh 1 SKM 620 Sh 2	Component Cooling Piping	Valves heavier than analysis.	Update Analysis	9/28/79
1	2	81A	SKM 621 Sh 2	Condensate From Storage Tank	Supports not in agreement with analysis.	Update Analysis	9/28/79
1	2	169	SKM 783 SKM 786 SKM 822	Component Cooling Water	Valve added to system, not incorporated in analysis.	Update Analysis	9/28/79
1	2	207	SKM 827 SKM 816	Salt Water to ECCS Pump Room Cooler No. 12	Support missing.	Install Support	9/15/79
2	2	2-41	SKM 945 Sh 1 SKM 945 Sh 2	Component Cooling Piping	Valve Weights.	Update Analysis	9/28/79
1	4	382	SKM 1095	Diesel Starting Air	Supports missing.	Install Supports	9/15/79
1	4	381	SKM 1094	Diesel Starting Air	Supports missing.	Install Supports	9/15/79
1	4	379	SKM 1088	Diesel Starting Air	Supports missing.	Install Supports	9/15/79
1	4	380	SKM 1089	Diesel Starting Air	Supports missing.	Install Supports	9/15/79
1	4	378	SKM 1086	Demineralized Water to Service Water Head Tanks-Make Up	Supports missing.	Install Supports	9/15/79