

Socket File



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

February 12, 1991

Docket Nos. 50-317  
and 50-318

Mr. G. C. Creel  
Vice President - Nuclear Energy  
Baltimore Gas and Electric Company  
Calvert Cliffs Nuclear Power Plant  
MD Rts. 2 & 4  
P. O. Box 1535  
Lusby, Maryland 20657

Dear Mr. Creel:

SUBJECT: RESPONSE TO STATION BLACKOUT RULE - CALVERT CLIFFS NUCLEAR POWER  
PLANT, UNITS 1 AND 2, TAC NUMBERS 68525 (UNIT 1) AND 68526 (UNIT 2)

On July 21, 1988, the Code of Federal Regulations 10 CFR Part 50, was amended to include a new Section 50.63, entitled, "Loss of All Alternating Current Power," (Station Blackout). The station blackout (SBO) rule requires that each light-water-cooled nuclear power plant be able to withstand and recover from an SBO of specified duration. The SBO rule also requires that information defined in the rule be provided to the staff for review.

By letters dated April 14, 1989, March 30 and September 24, 1990, you provided your response to the SBO rule for the Calvert Cliffs Nuclear Power Plant, Units 1 and 2. The NRC staff's Safety Evaluation (SE) pertaining to your initial responses was transmitted to you by letter dated October 10, 1990. The staff found the proposed method of coping with an SBO to be acceptable, subject to the satisfactory resolution of several recommendations which were itemized in the staff's SE. You responded to the staff's SE, and specifically to the recommendations, by letters dated November 13, 1990 and December 13, 1990.

The staff has reviewed your responses to its SE and determined them acceptable as detailed in the enclosed Supplemental Safety Evaluation (SSE) the staff has stated some "understandings" in the SSE which should be reviewed and responded to if your understanding is different than the staffs. These understandings are that: (1) the modifications associated with the existing emergency diesel generator (EDG) that is proposed as the Alternate AC (AAC) source (as well as the new EDGs) will be submitted for staff review; (2) that the documentation associated with the testing of the AAC source will be maintained with the other SBO documentation; and (3) for the calculated temperature values expected in the nine areas containing SBO equipment, that there is reasonable assurance of the operability of SBO response equipment based on your assessment. It is noted that Technical Specification changes associated with the overall project will be submitted for staff review. It is

9102200026 910212  
PDR ADOCK 05000317  
F PDR

190017

DF01  
111

also noted that if the resolution of Generic Issue 23 defines a higher reactor coolant pump leakage than assumed in your supporting analysis, the impact will have to be addressed.

This completes our action relative to the above referenced TAC numbers.

Sincerely,

Original Signed By:

Daniel G. McDonald, Senior Project Manager  
Project Directorate I-1  
Division of Reactor Project - 1/11  
Office of Nuclear Reactor Regulation

Enclosure:  
As stated

cc: w/enclosure  
See next page

Distribution:

Docket File	NRC & Local PDRs
PDI-1 Reading	SVarga
EGreenman	RACapra
CVogan	DMcDonald
OGC	EJordan
ACRS (10)	JLinville
Plant File	FRosa
AToalston	

OFC	: PDI-1:LA	: PDI-1:PM	: PDI-1:D	:	:
NAME	: CVogan	: DMcDonald:av1	: RACapra	:	:
DATE	: 2/11/91	: 2/11/91	: 2/12/91	:	:

OFFICIAL RECORD COPY  
Document Name: CC 1/2 LTR. TO CREEL/6852526

Mr. G. C. Creel  
Baltimore Gas & Electric Company

Calvert Cliffs Nuclear Power Plant

cc:

Mr. William T. Bowen, President  
Calvert County Board of  
Commissioners  
Prince Frederick, Maryland 20678

Mr. Joseph H. Walter  
Engineering Division  
Public Service Commission of Maryland  
American Building  
231 E. Baltimore Street  
Baltimore, Maryland 21202-3486

D. A. Brune, Esq.  
General Counsel  
Baltimore Gas and Electric Company  
P. O. Box 1475  
Baltimore, Maryland 21203

Ms. Kirsten A. Burger, Esq.  
Maryland People's Counsel  
American Building, 9th Floor  
231 E. Baltimore Street  
Baltimore, Maryland 21202

Mr. Jay E. Silberg, Esq.  
Shaw, Pittman, Potts and Trowbridge  
2300 N Street, NW  
Washington, DC 20037

Ms. Patricia Birnie  
Co-Director  
Maryland Safe Energy Coalition  
P. O. Box 902  
Columbia, Maryland 21044

Ms. G. L. Adams, Licensing  
Calvert Cliffs Nuclear Power Plant  
MD Rts 2 & 4,  
P. O. Box 1535  
Lusby, Maryland 20657

Resident Inspector  
c/o U.S. Nuclear Regulatory Commission  
P. O. Box 437  
Lusby, Maryland 20657

Mr. Richard McLean  
Administrator - Radioecology  
Department of Natural Resources  
580 Taylor Avenue  
Taves State Office Building  
PPER B3  
Annapolis, Maryland 21401

Regional Administrator, Region I  
U.S. Nuclear Regulatory Commission  
475 Allendale Road  
King of Prussia, Pennsylvania 19406