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RECIP.NAME RECIPIENT AFFILIATION
EISENHUT,D.G. Division of Licensing

SUBJECT: Forwards addl info re FLUD 6 computer code steam blowdown inout data necessary to calculate pressure & temp transients for pipe break outside containment per NRC 830119 request. Calculation M-287 supols M-222 sent 830204.

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March 4, 1983

Mr. D. G. Eisenhut, Director
Division of Licensing
Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Washington, D.C. 20555

Re: Docket No. 50-275, OL-DPR-76
Diablo Canyon Unit No. 1
Pressure and Temperature Data
For Pipe Break Outside Containment

Dear Mr. Eisenhut:

Enclosed are additional FLUD 6 computer code steam blowdown input data necessary to calculate the pressure and temperature transients in areas GE/GW of the Auxiliary Building. Calculation No. M-287 is also provided as a supplement to Calculation No. M-222 which was sent to you on February 4, 1983. A summary of the enclosed information is provided in Table I. This information is provided in response to the NRC letter dated January 19, 1983.

Sincerely,

Philip A. Crane, Jr.

Enclosure

cc (w/o enc.): Service List

B001

TABLE I

PRESSURE AND TEMPERATURE ANALYSES FOR PIPE BREAK OUTSIDE CONTAINMENT

1. Pressure and temperature analysis for GE/GW area -- double-ended rupture (DER) limited by containment penetration sleeve -- dry steam blowdown input data:

   Case 33 Limited DER at 102% power - MSIV failure

   Case 34 Limited DER at 70% power - MSIV failure

   Case 35 Limited DER at 30% power - MSIV failure

   Case 36 Limited DER at 0% power - MSIV failure

2. Calculation No. M-287 (Supplement to Calculation No. M-222):

   Calculation to determine the normally open area of the structural gap at elevation 140' between GE/GW and the containment building for Unit No. 1.