C-E Power Systems Combustion Engineering, Inc. 1000 Prospect Hill Road Windsor, Connecticut 06095 Tel 203/688-1911 Telex 9-9297



May 8, 1979 LD-79-029

Dr. Roger J. Mattson, Director Division of Systems Safety Office of Nuclear Reactor Regulation U. S. Nuclear Regulatory Commission Washington, D. C. 20555

Subject: LOFT L2-3 Test Analysis

Dear Dr. Mattson:

Enclosed is Combustion Engineering's (C-E) Pre-Test Analysis of LOFT Test L2-3. C-E recognizes that the submittal schedule for these calculations has been deferred by the NRC staff. The enclosure is submitted, nevertheless, in keeping with our previous practice of providing blind best estimate pre-test analyses of Standard Problems.

The analysis was performed using a best estimate approach with modified versions of the C-E Large Break Evaluation Model computer codes, developmental versions of C-E's best estimate computer codes, and the THERM computer code, which is documented in CENPD-228 and has been submitted for approval as part of the C-E Large Break Licensing Evaluation Model. The results of this analysis are considered to be realistic as contrasted to Licensing calculations which are meant to be bounding or conservative.

Very truly yours,

COMBUSTION ENGINEERING, INC.

Licensing Manager

AES:dag

Enclosure

cc: Dr. G. D. McPherson (NRC/RSR) Mr. L. E. Phillips (NRC/DSS)

G Mc Alerson w/Exc Phillips w/Exc

7905110288