

Los Alamos

Los Alamos National Laboratory
Los Alamos, New Mexico 87545

DATE August 1, 1985
IN REPLY REFER TO Q-6-85-622 (R21W)
MAIL STOP K557
TELEPHONE (505) 667-9207
FTS 843-9207

Safety Assessment

Mr. D. M. Carlson
US Nuclear Regulatory Commission
Fuel Facility SG Licensing Branch
Division of Safeguards
Mail Stop 881-SS
7915 Eastern Avenue
Silver Spring, MD 20555

Dear Don:

SUBJECT: NONPOWER REACTOR SABOTAGE STUDY (R21W) STATUS REPORT FOR
JUNE 1985

During this report period, the site-specific scenario analysis and corresponding dose assessment calculations for two distinct receptor locations were completed for the National Bureau of Standards (NBS), University of Missouri (MURR), and Georgia Institute of Technology (GTRR) research reactors. Results of the dose calculations and analysis for the worst-case loss-of-coolant accidents verify earlier judgements that these accidents do not pose a significant problem. TRAC Computer Code analysis will be used to confirm these results. TRAC code thermal-hydraulic calculations for these reactors have been initiated.

Classification questions arose in the latter part of June, and NRC classification guides currently are being reviewed to determine which portions (if any) of the project must be conducted in a classified environment. As a result, the letter report outlining the assumptions and the draft lead reactor report used in the study have been delayed. The letter report and draft lead reactor report will be issued in August.

Approximately \$17,100 was charged against the project in June 1985. The cumulative charges to date total \$130,800. The breakdown of costs is as follows.

8911140296 891101
PDR FOIA
KUPERMAB9-451 PDR

Mr. D. M. Carlson
Q-6-85-622 (R21W)

-2-

August 1, 1985

	June 1985 <u>(\$k)</u>	Fiscal Year to date <u>(\$k)</u>
Man-months cost	15.5	104.0
Travel costs	0.2	8.7
A.D.P.	0.5	7.3
Outside contracts	0.1	0.6
Other costs	<u>0.8</u>	<u>10.2</u>
Total cost	17.1	130.8
Man-months effort	2.7	13.7

Sincerely,

Angela E. Sanchez-Pope
for W. D. Zerwekh

WDZ/j1

Cy: Office of the Director, NMSS (Attn: Program Support)
L. H. Sullivan/J. R. Ireland, Q-DO/RS, MS K552
R. A. Haarman/W. S. Gregory, Q-6, MS K557
A. S. Neuls, Q-6, MS K557
CRM-4 (2), MS A150
Q-6 File