

Los Alamos

Los Alamos National Laboratory
Los Alamos, New Mexico 87545

DATE May 16, 1985
IN REPLY REFER TO Q-6-85-445 (R21W)
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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 20955

Dear Mr. Carlson:

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

A presentation was made to the Nuclear Regulatory Commission (NRC) during April concerning our proposed modeling and calculative methodology. The analysis techniques described in that presentation have been compiled on Los Alamos computers.

A site visit was made to the National Bureau of Standards Reactor (NBSR) to discuss our preliminary analysis of that facility with the licensee. The information gained from this visit is being incorporated into the sabotage scenarios developed for the NBSR.

We have established schedules for site visits to the University of Missouri Research Reactor (UMRR) and the Georgia Tech Research Reactor (GTRR), and analyses of these facilities have been initiated.

Approximately \$26,700 was charged against the project in April 1985. The cumulative charges to date total \$87,900. The breakdown of costs is as follows.

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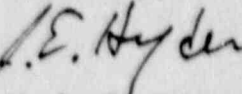
Mr. D. M. Carlson
Q-6-85-445 (R21W)

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	<u>April 1985 (\$k)</u>	<u>Fiscal Year to date (\$k)</u>
Man-months cost	21.1	68.9
Travel costs	2.8	4.3
A.D.P.	0.8	6.2
Outside contracts	0.0	0.0
Other costs	<u>2.0</u>	<u>8.5</u>
Total cost	26.7	87.9
Man-months effort	2.5	8.5

Sincerely,



W. D. Zerwekh

WDZ/jl

Cy: Office of the Director, NMSS (Attn: Program Support)
M. G. Stevenson/W. L. Kirk, Q-D0, MS E561
L. H. Sullivan/J. R. Ireland, Q-D0/RS, MS K552
R. A. Haarman/W. S. Gregory, Q-6, MS K557
J. E. Hyder, Q-6, MS K557
CRM-4 (2), MS A150
Q-6 File