



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

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WM Project 1

Docket No. _____

PDR

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'85 JAN 23 A10:00

MEMORANDUM FOR: Hubert J. Miller, Chief
Repository Projects Branch
Division of Waste Management

Distribution:

HJM

(Return to WM, 623-SS)

cc: Boyle
Regnier
Brooks

FROM: Leland C. Rouse, Chief
Advanced Fuel and Spent Fuel Licensing Branch
Division of Fuel Cycle and Material Safety

SUBJECT: REVIEW OF REPORT ENTITLED, "ACHIEVING PERFORMANCE
OBJECTIVES FOR THE BARRIER SYSTEM"

We have reviewed the subject report. In the Subcommittee's view, the report has no bearing on the selection of borosilicate glass as a terminal waste form for the high-level wastes at Savannah River or West Valley. On November 4, 1982, in the letter from J. B. Martin to T. B. Hindman, Jr., the Commission staff judged "that the proposed SRP borosilicate glass form could be an acceptable waste form in a suitably engineered barrier system." It was also recommended that two identified concerns be pursued. At both Savannah River and West Valley work has proceeded on a process to produce borosilicate glass with the assumption that the product would be "good enough." Additional work on other forms for wastes at other sites may or may not be necessary. The additional information required to alleviate the two concerns identified in the November 4 letter has yet to be received by NRC staff. We would appreciate your judgment as to the timeliness and form needed for its receipt.

Leland C. Rouse, Chief
Advanced Fuel and Spent Fuel
Licensing Branch
Division of Fuel Cycle and
Material Safety

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