



UNITED STATES DEPARTMENT OF COMMERCE
National Bureau of Standards
Gaithersburg, Maryland 20899

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October 15, 1985

Mr. Everett A. Wick
Division of Waste Management
Engineering Branch
U.S. Nuclear Regulatory Commission
7915 Eastern Avenue, Willste Building
Silver Spring, MD 20910

WM-RES
WM Record File
A-4171
NBS

WM Project 10, 11, 16
Docket No. _____
PDR -
LPDR B, N, S

Distribution:

WICK

(Return to WM, 623-SS) 73

Dear Mr. Wick:

Orig. not rec'd

Enclosed is a draft report that describes the initial equipment requirements as set forth in the deliverables under Task 2 of FIN-A-4171-5. The preliminary set of data file elements given in the appendix of this draft will be modified for the final report. The final report will include results of tests of the database management system Revelation that are currently being conducted using this preliminary set.

Information sent previously in draft form, which led to this analysis, and the reasons why we analyzed the four database management systems described in this draft have not been included in this draft.

It is my sincere hope that the NRC will approve an NBS purchase of two IBM PC-AT systems on the basis of the hardware requirements presented in this draft report. I would propose that one system be purchased on FIN-A-4171-5 and one on the follow-on contract.

There are two reasons for this basic request. First, these hardware items would be used daily in support of the work planned at the NBS under extension of our current contract. This work would require computer support equipment whether or not we furnish an automated database for use by the NRC and its contractors. Second, these items will accelerate the work by meeting the initial hardware needs of an automated database, if NRC elects to have the NBS develop an automated database as a part of the work on the Evaluation and Compilation of DOE Waste Package Test Data.



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Any additional hardware required to accomplish that work could be ordered later without as much adverse impact on progress of the work.

Sincerely,



Charles G. Interrante
Program Manager
Corrosion Group
Metallurgy Division

Enclosure

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