

WMRP r/f  
NMSS r/f  
CF

REBrowning  
MBell  
JBunting  
Paltomare  
MRKnapp  
PSJustus  
JTGreeves  
LBHigginbotham  
HJMiller  
RRBoyle  
NColeman  
MGordon  
RJWright  
PComella

EO'Donnell  
MJLogsdon & r/f  
PDR  
LPDR, B

NOV 17 1983

MEMORANDUM FOR: Enrico F. Conti, Chief  
Waste Management Branch  
Division of Health, Siting and  
Waste Management

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

SUBJECT: REVIEW OF USE OF KRIGING IN TASC REPORT "BOREHOLE  
ASSESSMENT NEEDS PLAN" TR-3677

Patricia Comella, Deputy Director, DHSWM, proposed in a memorandum to Michael J. Bell dated November 7, 1983, that the TASC report be reviewed by NRC contractors at the University of Arizona and MIT and by in-house statisticians, as well as by the PNL contractors requested by Mark Logsdon in his October 21, 1983, request to Edward O'Donnell.

WMRP believes that the TASC document does not require independent reviews by three NRC contractors and in-house statisticians. We have already received a review of the document by our technical assistance contractor, Williams and Associates. The Williams review concentrated on the hydrologic background and the data base used in the review. To develop further insight into the mathematical aspects of the study, Logsdon asked RES to provide a limited review emphasizing the formal statistical aspects of the document. Until a preliminary review by qualified applied mathematicians has been integrated with the hydrologically oriented review by Williams, WMRP considers it premature to undertake a major review effort.

After the PNL review has been completed, it may be appropriate for DWM and RES staff to consider the full set of comments and develop a reasonable, coordinated approach toward considering the document and the

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geostatistical technique of of kriging further. However, at this time WMRP believes that multiple reviews of the TASC report would likely be duplicative. If you have any questions on this matter, please contact Mark Logsdon (74680).

**"ORIGINAL SIGNED BY"**

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

Record Note: Substance and approach of the memo reviewed at draft stage with M. J. Bell. Comments and suggestions incorporated into final memo.

cc: P. Comella, DHSWM  
M. Bell, DWM

OFC	: WMRP:ejc	: WMRP	:	:	:	:	:
NAME	: MJLogsdon	: HJMiller	:	:	:	:	:
DATE	: 11/16/83	: 11/17/83	:	:	:	:	: