

September 8, 1995

MEMORANDUM TO: Mark A. Cunningham, Chief
 Probabilistic Risk Analysis Branch,
 Division of Systems Technology
 Office of Nuclear Regulatory Research

FROM: John H. Austin, Chief
 Performance Assessment and Hydrology Branch
 Division of Waste Management
 Office of Nuclear Material Safety
 and Safeguards

SUBJECT: ASSISTANCE ON STATISTICAL ASPECTS OF GROUNDWATER
 TRAVEL TIME TECHNICAL POSITION

We would like to acknowledge the outstanding efforts of Dr. Lee Abramson in the preparation of a major report supporting our technical position on Groundwater Travel Time. The report "Statistical Measures of Arrival Time Distribution for Demonstrating Compliance with Groundwater Travel Time" was an attempt to put the regulatory requirements of 10 CFR 60.113(a)(2) on a firm statistical foundation. To this end, Dr. Abramson devoted many hours to formulating the statistical tests, and guiding the authors of the document toward understanding and improving the concepts involved. We have benefitted greatly from Dr. Abramson's patient explanations and edits of the report.

cc: H. Vandermolten, RES
 J. Greeves, NMSS
 M. Federline, NMSS

CONTACT: R. Codell, NMSS/PAHB
 415-8167

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