

MEL SILBERBERG

APR 25 1990

MEMORANDUM FOR: Melvin Silberberg, Chief
 Waste Management Branch
 Division of Engineering, RES

FROM: Donald L. Chery, Jr., Hydrologist
 Hydrology-Transport Section
 Geosciences & Systems Performance Branch
 Division of High-Level Waste Management, NMSS

SUBJECT: PUBLICATION OF NUREG/CR-5475 "MODEL FEASIBILITY STUDY OF
 RADIOACTIVE PATHWAYS FROM ATMOSPHERE TO SURFACE WATER"

Enclosed for your information is a copy of the recently published NUREG/CR-5475, "Model Feasibility Study of Radioactive Pathways From Atmosphere to Surface Water." The results of this study demonstrated the feasibility of using a physically-based surface flow, with infiltration and erosion, model to predict radionuclide pathways in small watersheds.

Donald L. Chery, Jr., Hydrologist
 Hydrology-Transport Section
 Geosciences & Systems Performance Branch
 Division of High-Level Waste Management, NMSS

Enclosure:
 As stated

cc: R. Browning
 R. Ballard
 D. Brooks

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