

MEMORANDUM FOR: Donald A. Cool, Chief
 Radiatic Protection and Health
 Effect Branch
 Division of Regulatory Applications
 Office of Nuclear Regulatory Research

70-687

JAN 22 1992

FROM: John H. Austin, Chief
 Decommissioning and Regulatory
 Issues Branch
 Division of Low-Level Waste Management
 and Decommissioning
 Office of Nuclear Material Safety
 and Safeguards

SUBJECT: TECHNICAL ASSISTANCE REQUEST FOR EVALUATION OF CINTICHEM'S
 RADIOLOGICAL PATHWAY MODELING

This memorandum requests technical assistance in evaluating Cintichem Inc's. (Cintichem) radiological pathway modeling that will be used by Cintichem to establish residual soil contamination criteria in support of the decommissioning of their facility in Tuxedo, New York. By license condition, Cintichem must provide the Nuclear Regulatory Commission (NRC) with Cintichem's proposed residual soil contamination criteria within 6 months of the effective date of the amendment renewing Cintichem's Special Nuclear Material license. These criteria will be used by Cintichem as unrestricted release criteria for the decommissioning of the Tuxedo, New York facility.

We request that Chris Daily, of Dr. Robert Meck's staff, review the radiological pathway modeling that Cintichem will use to support their proposed release criteria. Specifically, we are interested in receiving assistance on the appropriateness of the assumptions, scenarios, and parameter values selected by Cintichem in their radiological pathway modeling.

Cintichem has requested that a meeting take place between Cintichem and NRC during the first week of February 1992, to discuss Cintichem's plan for developing these pathways. We request that Ms. Daily attend this meeting.

If you have any questions concerning this request, please contact Nick Orlando of my staff at 504-2566.

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 John H. Austin, Chief
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