

70-687

CINTICHEM, INC.

P.O. BOX 816

TUXEDO, NEW YORK 10987 (914) 351-2131

April 6, 1995

Mr. Michael F. Weber, Chief
Low-Level Waste and Decommissioning
Projects Branch
U. S. Nuclear Regulatory Commission
Office of Nuclear Materials Safety and
Safeguards
Division of Waste Management
Washington, D. C. 20555-0001

Dear Mr. Weber:

Reference: (a) Cintichem letter, J. J. McGovern, dated 1/6/95
(b) N. Y. State Dept. of Environmental Conservation
letter, P. Merges, dated 2/2/95
(c) U. S. NRC letter, M. Weber, dated 3/8/95

By reference (a) Cintichem proposed a method for determining acceptable decontamination criteria for residual bedrock on the Cintichem site at the end of the decommissioning project. The proposed criteria are more appropriate for this medium than the surface decontamination limits prescribed by the U. S. NRC Regulatory Guide 1.86. The NYSDEC and USNRC responses to this proposal, references (b) and (c) respectively, requested additional information related to the bases and calculative methods that were considered and used for deriving these criteria.

The enclosed additional information is provided in response to the questions posed in references (b) and (c) and in our telephone conference of March 27. Our responses are arranged in the same order in which they appear in the USNRC and NYSDEC correspondence.

As demonstrated in our original proposal, the application of these criteria to residual bedrock and concrete foundations in contact with residual bedrock will assure that the resultant exposure to future occupants of the site will remain below the

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stated objectives in the original Decommissioning Plan and well below the ALARA limits of 10 mRem/yr above the local exposure from background radiation.

Very truly yours,


J. J. McGovern
President/Plant Manager

JJMcG/bjc

Enclosures

cc: E. Abelquist - ORISE
R. Aldrich - NYSDOL
T. Dragoun - USNRC
T. Michaels - USNRC
N. Orlando - USNRC
B. Youngberg - NYSDEC
U. S. Nuclear Regulatory Commission
Document Control Desk
Director, Technical Development Programs
State of New York Energy Office

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