JUL 3 0 1991

Mr. James J. McGovern, President Cintichem, Inc. P.O. Box 816 Tuxedo, New York 10987

Dear Mr. McGovern:

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION REGARDING DECOMMISSIONING PLAN - CINTICHEM, INC.

In order to complete our review of your decommissioning plan submitted by letter dated October 19, 1990, we require additional information as indicated in the enclosure to this letter.

If you have any questions concerning this request, please feel free to contact me at (301) 492-0566 or David Fauver at (301) 492-0502.

Sincerely,

## ORIGINAL SIGNED BY

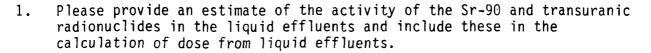
Dominick A. Orlando, Project Manager Decommissioning and Regulatory Issues Branch Division of Low-Level Waste Management and Decommissioning Office of Nuclear Material Safety and Safeguards

10-6

Enclosure: As stated

cc: Attached list

JAustin PLo	tral File# haus ber	NMSS r/f JSurmeier RBangart	LLDR r/f ETen Eyck DOrlando	MAustin, RI JRoth, RI TMichaels, NRR
PDR YES 🔀 ACNW YES	NO NO X	Category: Propr	ietary or C	FOnly
OFC :LLDR NAME:DQM/Mando/cv	:LLD <del>R</del> :DFauver	:LLDR :LLWD :TcJohnson:MWeber	W :LLWD A : JAustin :	
DATE: <b>7 /26</b> /91		: 2/20/91 : 7/29		\/
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- 2. The information presented in Item 8 of Cintichem's response to NRC's request for additional information (RAI) dated January 11, 1991, suggests that the hot cell walls are contaminated with significant quantities of Ce-144 as well as Cs-137 and Sr-90. Please calculate, or measure, the Ce-144 activity on the hot cell walls and recalculate the projected maximum individual dose from airborne effluents, including Ce-144, resulting from the scabbling of the hot cell walls.
- 3. Item 8 of this response also indicates a maximum potential individual dose of 0.9 mrem/yr from liquid effluents. This calculation does not include the effluent from the hot cell washdown and assumes the release of only 0.055 mCi (excluding K-40).

Cintichem has committed to keeping the concentration of radioactive material in liquid effluents below the limits specified in Appendix B, Table II of 10 CFR 20 and the total activity released in liquid effluents below 10 mCi/yr. Please provide a dose calculation using a conservative environmental pathway analysis and the assumption that the entire 10 mCi is released in one year.

Enclosure

## cc: Attached List

Letter dated <u>7/30/9/</u>

Dr. Paul J. Merges, Director Bureau of Radiation, DHSR New York State Department of Environmental Conservation 50 Wolf Road Albany, NY 12233-7255

Dr. Francis J. Bradley Principle Radiophysicist New York State Department of Labor One Main Street, Room 813 Brooklyn, NY 12223

Ms. Annette Dorozynski, Supervisor Town of Tuxedo P.O. Box 725 Tuxedo, NY 10987

Director, Technical Development Programs State of New York Energy Office Agency Building 2 Empire State Plaza Albany, NY 12223

Berle, Koss and Case ATTN: Ava Gartner 145 Rockefeller Plaza New York, NY 10111