

70-687

JUL 30 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

Enclosure: As stated

cc: Attached list

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PDR YES ☒ NO ☐ Category: Proprietary ☐ or CF Only ☐
ACNW YES ☐ NO ☒

OFC :LLDR :LLDR :LLDR :LLWD :LLWD :
NAME: DO Orlando/cv :DFauver :TCJohnson:MWeber :JAustin :
DATE: 7/26/91 : 7/29/91 : 7/29/91 : 7/29/91 : 7/29/91 :

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1. Please provide an estimate of the activity of the Sr-90 and transuranic radionuclides in the liquid effluents and include these in the calculation of dose from liquid effluents.
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 7/30/91

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