

CINTICHEM, INC.

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70-687

May 21, 1998

US Nuclear Regulatory Commission  
Office of Nuclear Materials Safety and Safeguards  
1 White Flint North  
11555 Rockville Pike  
Rockville MD 20852  
Att: Mr. Dominick Orlando

Dear Mr. Orlando:

Subject: Cintichem Decommissioning Project Final Survey Report, supplementary information.

Ref: Final Survey Report for Cintichem Bedrock Dose Assessment, J. Adler, dated 9/22/97 and supplemented 12/11/97.

The water monitoring program on the Cintichem Site has been conducted per the specific requirements of the NYDEC Consent Order since the beginning of the Cintichem decommissioning project. Data from this program indicates that, in those areas where traces of radioactivity (other than natural radionuclides) were detected, the general trend in the concentration has been decreasing. Currently, there are no detectable gamma-emitting radionuclides present at any sampling point and only trace quantities of Sr-90 remain in a few locations that are located primarily in the unsaturated zone in and immediately adjacent to the Hot Lab bedrock region discussed in the referenced report.

This radionuclide has been most prevalent in monitoring well 2S and in the S-4 storm drain location. Our hydrogeology consultant, LBG, has evaluated this monitoring well as a potential water supply for a hypothetical future resident of the site and, per existing State guidelines for rural water wells, it would not qualify as such. More significantly, this well has insufficient yield to be a practical supply. A copy of the LBG report of these findings is enclosed.

Regardless of the regulatory and practical invalidity of this unsaturated zone to serve as a potential water supply, monitoring data on the water in this zone shows that the average concentration of Sr-90 has been 34 pCi/L since Jan. 1996 as measured at MW-2S and S-4. The current average concentration (since Jan. 1998) at these respective sampling points are 32 and 15 pCi/L (combined average of

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23.5 pCi/L). These levels are well below the 42 pCi/L EPA drinking water standard.

Very truly yours



James J. McGovern

JJM170

CC:

USNRC/RegionI/Mr. T. Dragoun  
ORISE/Mr. E. Abelquist  
NYDOL/Ms. R. Aldrich  
NYDEC/Ms. B. Youngberg  
USNRC/ORR/Mr. T. Michaels  
USNRC/NMSS/Mr. D. Orlando  
Mr. C. Warren  
Town of Tuxedo/Mr. K. Magar