

D. Orlando  
50-54

New York State Department of Environmental Conservation  
50 Wolf Road, Albany, New York 12233



Langdon Marsh  
Commissioner

February 1, 1995

Mr. Edward Truskowski  
Radiation Safety Officer  
Cintichem, Inc.  
P.O. Box 816  
Tuxedo, New York 10987

Dear Mr. Truskowski:

I am writing to confirm the discussions we had yesterday and this morning regarding strontium-90 analyses of water discharged through the 001 outfall at the Cintichem site.

Paragraph V(A) (1) of the Order on Consent (amendment 4) requires that water from the retention pond (S-12) be sampled and analyzed for gamma emitters before the water is batch released to the 001 outfall. Under section 380-6.1(b) (2) of 6 NYCRR Part 380, Cintichem is required to evaluate the concentrations and quantities of radionuclides released to the environment. Therefore, although it is not specified in the Order, Cintichem must also analyze S-12 samples for strontium-90. Samples collected at S-12 during any one period of continuous pumping may be composited for Sr-90 analysis.

We also discussed compositing some S-12 samples that are taken before the batch releases from the retention pond. However, the Department will not approve that at this time. The S-7 diversion was only recently made permanent, on January 23, 1995. Before that date, the water from S-7 diluted the water in the retention pond. It also may have masked variations in the Sr-90 concentration of the pond water. Therefore, we do not yet know the current concentration of Sr-90 at S-12, nor how that concentration varies over time. We need to evaluate such data before deciding how many samples should be composited.

030050  
9502090259 950201  
PDR ADDCK 05000054  
P PDR

NHID 1/0

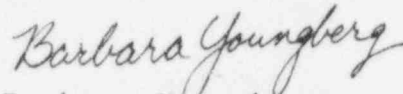
Mr. Truskowski  
February 1, 1995

Page 2

Cintichem should continue to analyze for Sr-90 the individual batch samples from S-12. We will discuss the possibility of compositing samples after the Department receives the Sr-90 results for February, if there is sufficient data from that time period.

Please call me (518-457-2225) if you have any questions.

Yours truly,



Barbara Youngberg  
Environmental Radiation Specialist  
Bureau of Radiation  
Division of Hazardous Substances  
Regulation

BY/

cc: T. Dragoun, NRC  
D. Orlando, NRC ✓