January 7, 2003

To: Mr. Juan Pérez
Office of Site Remediation and Restoration
US EPA, Region 1

From: Dr. Frostie White
Connecticut Yankee Atomic Power Company

Re: Rationale for Well Selection of Haddam Neck Plant Groundwater Sampling Rounds

Juan,

I am providing the rationale for the selection of the wells during the 2002 sampling rounds. The specifics for the well selections are described in Table 2 of the three submittals made during April, August and October of 2002. The well sample locations were based upon a preliminary Area of Concern Table that was developed utilizing information from the Historical Site Assessment, interviews with current or former site employees and the data compiled for the Partial Site Release for construction of a proposed gas fired power plant.

Due to drought conditions, some of the wells in the landfill area and the shooting range could not produce sufficient sample quantities for analysis. However MW-201 did produce sufficient quantities and is down gradient from the landfill and the shooting range and should have provided enough evidence of any contamination migration. This well was sampled both in August and October of 2002.

The August and October 2002 sampling rounds were essentially the same wells sampled with exception to the landfill and shooting range areas. Again, these wells were selected based upon the AOC's that are possible in these areas. Some wells were eliminated from the April rounds since other wells chosen were down gradient and were in potential AOC's. Connecticut Yankee's attempt was to capture as many wells in the four sampling rounds with consideration given to AOC's in the area, and whether a well was down gradient from other wells in close proximity to AOC's.

During RCRA Corrective Action implementation, all wells will be sampled for analysis in accordance with an approved QAPP and associated implementing Work Plan. Some wells will be eliminated from further sampling or continued to be monitored based upon analysis findings.

I hope that this clarifies our preliminary sampling approach.

If you have any additional questions, please feel free to give me a call at 860-267-3952