

MEMORANDUM

TO: Town of Putney UST Permit File, Facility ID # 2082

FROM: Ted Unkles, Hazardous Materials Specialist *T.U.*

DATE: October 27, 1993

SUBJECT: Site Assessment at tank removal, Putney Town Garage

On Monday, October 25, 1993, I conducted the site assessment at the Town of Putney removal of two underground storage tanks. I arrived on site at approximately 9:15 a.m. The weather was clear and sunny, temperature was in the mid-forties, and climbed to the mid-sixties by late morning.

Upon arrival, I calibrated the H-nu using isobutylene. The two tanks, a 1000-gallon gasoline tank and a 3000-gallon diesel tank had been uncovered and excavated around the sides. The soil was for the most part a fine sand interspersed with lenses of silt and clay. At approximately 8 feet depth, the soil profile changed to silt and clay entirely -- very little, if any sand was naturally present. The excavation was approximately nine feet in depth.

I took initial readings with the H-nu; the entire excavation was non-detect, except for a small area immediately beneath the gasoline dispenser, which averaged 3-5 ppm, with a peak reading of 12 ppm.

The contractors from Vicon arrived at approximately 10:30 a.m. and began to inert the gasoline tank with nitrogen. Since this process was likely to take at least an hour, I left the site to visit the Wardsboro town clerk to discuss that town's underground storage tanks.

When I returned, the two tanks had been removed from the ground, and the excavation was still open. The soil immediately beneath the gasoline tank was non-detect throughout the entire length of the tank. The soil beneath the diesel tank was non-detect, except for a small area (approximately two feet by two feet) immediately beneath where the fill pipe had been. This area showed readings of about 2 ppm, with a peak reading of 4 ppm.

There are no houses in the immediate area of the Town Garage. The garage is served by a drilled well, but this well is on the other side of the building, approximately 500 feet away. According to the road crew members, this well is rarely used for drinking. The nearest residential well is close to a half mile away (approximately 2000 feet), and the land slopes uphill by from the Town Garage in the direction of this residential well.

While on site, I also checked the contaminated stockpiled soil from the diesel tank pull at the Putney Fire Station (tank was pulled in the summer of 1992). The soil is piled on black plastic, and is very well covered under two layers of black plastic. H-nu readings at the surface of the pile ranged from 0-4 ppm, and at approximately 12 inches depth in the pile readings averaged 10-12 ppm, with a peak reading of 20 ppm.