



FIRST TAXING DISTRICT WATER DEPARTMENT

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February 22, 2013

Mr. Raul Tejada, Sanitary Engineer 3
Connecticut Department of Public Health
Drinking Water Division
410 Capital Avenue - Mail Stop # 51WAT
Hartford, Connecticut 06134

Subject: Norwalk First Taxing District, Water Department
Spring Hill Water System Reliability Improvements Project
DWSRF No. 10300116

Dear Mr. Tejada:

Raul

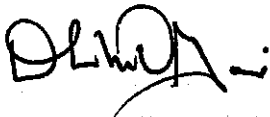
The First Taxing District Water Department (District) retained the services of a consulting engineer to complete a soil sampling and analysis program for lead impacted soil under and around our Spring Hill elevated water storage tank scheduled to be demolished under the above referenced project. The work was undertaken in response to finding lead based paint containing Polychlorinated Biphenyls (PCBs) on some of the tank components. The soil sampling was accomplished in one pass, but the analysis was accomplished in two phases, moving out from the tank center. The contaminants of concern were lead and total PCBs. The samples were generally collected from the top 0.5 foot interval and the 0.5 to 1.0 foot interval. The attached Figure 1 details the sample locations.

Soil sample results for locations S-1 through S-6, are summarized in Table 1, exhibited concentrations of lead and PCBs in excess of residential and industrial/commercial cleanup criteria and the District plans to remove soil at these locations to allow attainment of residential standards, which will be verified by post excavation sampling and analysis. The remaining sample locations (S-7 through S-16) did not exhibit detectable concentrations of total PCBs and the total lead results were all below the residential criteria of 500 mg/kg.

The soil removal area will be approximately 60 feet square encompassing sample locations S-1 through S-6 to a depth of 0.5 feet and a deeper removal area of about 20 feet by 40 feet encompassing sample locations S-4 and S-5 to a depth of up to 1 foot as illustrated on the Figure 1. If post excavation sampling results exceed criteria, additional limited areas will be excavated.

Should you have any questions or require additional information, please do not hesitate to contact my office.

Very truly yours,



Dominick M. Di Gangi, P.E.
General Manager
District Engineer

cc: Cameron Walden, Supervising Sanitary Engineer
Franco Chieffalo, Operations Director
Michael Elliott, Senior Facilities Engineer
Paul Schmidt, CDM Smith
Bill Swanson, CDM Smith
Chuck Adelsberger, CDM Smith

Table 1 - Soil Sample Results

Sample ID	Depth (feet)	Lead Concentration (mg/kg)	PCB Concentration (mg/kg)	Comments
S-1	0.0 - 0.5	908	5	All PCB is Aroclor 1254. Likely paint related.
S-1	0.5 - 1.0	140	ND	
S-2	0.0 - 0.5	1900	31	
S-2	0.5 - 1.0	190	ND	
S-3	0.0 - 0.5	750	ND	
S-3	0.5 - 1.0	100	ND	
S-4	0.0 - 0.5	18000	16	
S-4	0.5 - 1.0	18000	24	
S-5	0.0 - 0.5	2500	12	
S-5	0.5 - 1.0	1500	ND	
S-6	0.0 - 0.5	830	0.47/ND	Duplicate sample was ND
S-6	0.5 - 1.0	190/190	ND	

Notes:

1. Blank space in concentration column is Non-Detect .
2. Exceeds industrial/commercial concentration thresholds
3. Exceeds residential concentration thresholds
4. Lead threshold for residential and industrial/commercial contamination are 500 and 1,000 mg/kg, respectively.
5. PCB thresholds for residential and industrial/commercial contamination are 1 and 10 mg/kg, respectively
6. These are soil direct exposure criteria. Also must assert compliance with the pollutant mobility criteria (PMC) on the post excavation soil using the SPLP test.

