

# **BDL Environmental Consultants, Inc.**

*State and Federal Environmental Regulatory Compliance Specialists*

P.O. Box 1123 – Middlebury, CT 06762 – Tel 203-263-0232 – Fax 203-263-8495 –email [bdlenviro@aol.com](mailto:bdlenviro@aol.com)

**SOIL REMEDIATION REPORT  
For: Town of New Milford Public Works Department  
June 17, 2017**

All data in this Site Report is associated with the release of petroleum product from one, 8,000-gallon diesel and one, 6,000-gallon gasoline, Underground Storage Tank (UST) system at:

**Town of New Milford Property  
6 Young's Field Road  
New Milford, CT. 06776**

**CT DEEP Case # 2017 - 01711**

## **Site Setting**

The subject property adjoins the Town of New Milford Public Works property in a mixed residential / commercial area, with the lot size approximately 0.11 acres. The property is found on the New Milford, CT. USGS Quadrangle. The property is sloping down to the West at approximately 1': 5'. The ground water classification for the area is "GB" (Water Quality Classifications Map of CT. 1987). The nearest down gradient surface water expression is the Housatonic River, adjoining the Southwest portion of the property. The surface water classification for the Housatonic River at the nearest point is "D/B" (Water Quality Classifications Map of CT., 1987). The site is located within the Housatonic River Drainage Basin, part of the Housatonic Main Stem Regional Basin, encompassed by Housatonic Major Basin (Natural Drainage Basins in CT. 1981). Surficial materials are sand over fines (Surficial Soils Map of CT). Bedrock is identified as the Stockbridge Marble: gray, white to gray, dolomitic marble (Bedrock Geological Map of CT, 1985). Bedrock was not encountered during field operations. There is neither water nor sanitary sewer on the property in the area of the UST's.

## **UST Data**

### **Tank A1R1 8,000-gallon Diesel Fuel Tank**

The subject UST was an 8,000-gallon diesel fuel oil tank, 28 years of age. TRACS Diverse Services removed the UST on April 10, 2017. Obviously contaminated soils were identified around the fill / spill box. These soils were stockpiled for future disposal. Subsequent sampling and analysis from beneath the UST was Non-Detect for all parameters analyzed. Additional contamination was identified beneath the diesel dispenser at the pump island. CT DEEP representatives Vincent Long and Charles Morrison were on-site for removal operations. The CT DEEP Emergency Response Division was notified.

## **Tank B2R1 6,000-gallon Gasoline Tank**

The subject UST was a 6,000-gallon gasoline tank, 28 years of age. TRACS Diverse Services removed the UST on April 10, 2017. Obviously contaminated soils were identified around the fill / spill box. These soils were stockpiled for future disposal. Subsequent sampling and analysis from beneath the UST was Non-Detect for all parameters analyzed. CT DEEP representatives Vincent Long and Charles Morrison were on-site for removal operations. The CT DEEP Emergency Response Division was notified.

## **Remedial Activities**

### **Tank A1R1 & Tank B2R1**

Soils from around the fill / spill box had been stockpiled on 6 mil plastic. The soils beneath the tanks in those locations were Non-Detect for all parameters analyzed.

### **Pump Island**

Following removal of all known contaminated soils, two floor samples were obtained, field screened, and analyzed at a CT Certified Laboratory. Results of analysis using a EPA Method 8260 for VOA's, EPA Method 8279 for PAH's and CT ETPH method for Extractable Total Petroleum Hydrocarbon of both samples were Non-Detect, below the CT Department of Energy and Environmental Protection (DEEP) Remediation Standard Regulations (RSR) Direct Exposure and Pollutant Mobility criteria for ETPH.

On April 12, 2017, a total of 6.86 tons of combined contaminated soils were transported to Phoenix Soil, LLC, of Plainville, CT., which thermally destroys contaminants within the soils. The soils were composed of fine-grained sand.

Ground water was not present within the excavation.

## **Conclusions**

- A petroleum product release associated with an 8,000-gallon Diesel and a 6,000 Gasoline UST system located at 6 Young's Field Road, New Milford, CT. did occur.
- Contamination does not appear to have impacted any sub-surface utilities.
- All known, accessible contaminated soils exceeding the CT DEEP RSR associated with the release have been excavated and transported to a licensed facility for thermal destruction.

## **Recommendations**

- **Soils** - No further active remedial actions or investigations are recommended.

Sincerely,

**Ben T. Timme, VP**

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BDL Environmental Consultants, Inc.