



ENVIRONMENTAL CONTRACTORS, INC.

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May 26, 2011

Mr. James Troeger  
City of Norwich  
23 Union Street  
Norwich, CT 06360

**RE: Removal of Aboveground Storage Tank**  
**Former Reid and Hughes Building** *200 Main St*  
**Main Street**  
Norwich, Connecticut  
**KEC # 11V0020**

The following are the proceedings resulting from the cleaning of one 1,500-gallon No. 2 heating oil underground storage tank (UST). Kropp Environmental Contractors, Inc.'s (KEC's) responsibilities included confined space entry to clean a 1,500-gallon UST, and soil sampling and analysis.

The Fire Marshal was notified and will be copied on this report.

## **TANK REMOVAL, SOIL SAMPLING AND ANALYSIS**

On Thursday, May 4, 2011 KEC employees M. Kropp, A. Deschamps, J. Williams, and M. Rochette arrived on site with a flat rack, power vacuum truck, liquid vacuum truck, and utility trailer. A generator and all lighting and accessory equipment was set up prior to the start of job. The vacuum trucks were set up in close proximity to the storage tank fill pipe. All remaining product was vacuumed from the storage tank. Approximately 1,500 gallons of water and oil mixture was removed from the tank. Utilizing the same fill pipe location located in the sidewalk, a 3900 CFM power vacuum truck was utilized by means of a four inch flex hose to vacuum all contaminated soil on the top of the tank that was accessible. Once the contaminated soil was removed from the top of the tank KEC employees then performed an OSHA-certified confined space entry into the aboveground storage tank.

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Access was gained to the inside of the tank by means of cutting a hole in the top of the tank's surface large enough for an attendant to enter. Prior to entry into the tank, metering was performed. The sidewalls of the tank were cleaned. KEC employees then proceeded to drill three holes in the bottom of the tank to gain access to the soils beneath the tank. These three holes were spaced on each end and one in the center. The soil underneath the storage tank was field screened with a photionization detector (PID), and three soil samples were taken (TG-1, TG-2, and TG3). The soil samples were analyzed for extractable total petroleum hydrocarbon (ETPH) contamination by an independent laboratory. Laboratory results are included as Attachment 1. Results of the PID readings and the soil sample analysis results can be found in Tables I and II of this report.

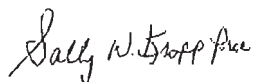
Once soil samples were collected, the stained concrete on the sidewalk was cleaned and the fill pipe access located in the sidewalk was filled with hydraulic cement.

On Friday May 13, 2011 KEC employees dumped the contaminated soil that was remaining in the power vacuum truck into a twenty yard roll off container. Soil samples were collected for waste disposal characterization, and delivered to an independent laboratory.

On Friday May 27, 2011, KEC employees loaded one twenty-yard roll off container and delivered approximately five tons of contaminated soil to Ted Ondrick Company in Chicopee, Massachusetts.

If you should have any questions, comments or concerns regarding this report, please feel free to contact Sally at 660-642-9952.

Sincerely yours,



Sally W. Kropp  
President

SWK:ctp

Attachments: Photographs, Soil Analytical Results, Tank Closure Certification

cc: Kenneth Scandariato, Norwich Fire Marshal's Office

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**TABLE 1**

Main Street (Former Reid and Hughes)  
Norwich, Connecticut

**PID READINGS**

Day & Date: Wednesday, March 22, 2011			Matrix: Soil
Sample #	Time	Location/Comments	Total Petroleum Hydrocarbons (ppm)
TG-1	1:25pm	Center Bottom 3-4" up	0.0
TG-2	1:43pm	Bottom West End 3-4" up	3.2
TG-3	1:53	Bottom East End 3-4" up	0.0

**TABLE 2**

Main Street (Former Reid and Hughes)  
Norwich, Connecticut

**CLOSURE SOIL SAMPLES**

Sample #	Total Petroleum Hydrocarbons (ppm)
TG-1	2900
TG-2	12000
TG-3	77

1. TG = Tank Grave
2. ppm = Parts Per Million
3. ND = Not Detected
4. Analysis conducted by Phoenix Environmental Laboratories, Inc. in Manchester, Connecticut by Connecticut ETPH Method.

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# Photographs

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## PHOTOGRAPHS



**Photograph 1**  
Tank located under sidewalk.



**Photograph 2**  
Tank opened for entry.

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## PHOTOGRAPHS



Photograph 3



Photograph 4