



*LEADERS IN CLIENT SATISFACTION*  
Serving the Baltimore-Washington Metro Area

4420 East Eager Street • Baltimore, MD 21205 • (410) 354-8030 • Fax: (410) 354-8031  
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## UST System Closure Report

August 18, 2020

Mr. Robert Howard  
3117 Golf Course Road, W  
Owings Mills, MD 21117

RE: Underground Storage Tank System Closure Report  
Howard Residence  
3117 Golf Course Road, W  
Owings Mills, MD 21117

Dear Mr. Howard:

ACE Environmental Holdings, LLC is pleased to submit the enclosed underground storage tank system closure report for the above referenced property.

Should you have any questions or comments regarding this report, please contact the undersigned at 410-354-8030.

Sincerely,

Mark Shearer, Compliance Manager  
Ace Environmental Holdings, LLC

*Jonathan @ Krauss - house*

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24-hour Emergency Spill Response, Complete Tank Management, Vacuum Truck Services  
Hazardous and Non-hazardous Waste Transportation and Disposal, Tank and Industrial Cleaning  
Environmental Consulting, Sampling and Remediation Services

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ATTACHED

## 1. Underground Storage Tank System Closure Report

### A. Narrative

On July 30, 2020 Ace Environmental Holdings, LLC (Ace) mobilized equipment to 3117 Golf Course W, located in Owings Mills, Maryland to pump, clean and remove one 500-gallon underground storage tank (UST) containing heating oil. The location of the UST was in the front of the residence approximately 5-feet from the house. The UST was removed because another source of heat had been installed.

The UST was properly removed under the supervision of MDE certified remover, Richard Anstine (MDIC # 2018-1912R). Approximately 490 gallons of clean heating oil was pumped out of the UST, containerized in 275-gallon totes and remained on-site for future use. The remaining liquids/sludge were pumped out of the UST and transported to Ace's facility in Baltimore, MD for proper disposal. (See accompany manifest for disposal information.) Once the liquids and sludge were removed, the UST was thoroughly cleaned. All cleaning materials, along with the proper PPE used during the cleaning of the tank, were containerized and transported to Ace's facility in Baltimore, MD for proper disposal.

The UST was buried approximately 3 ½ feet below ground surface (bgs), the diameter of the tank was 4-feet and the bottom of the tank was located at approximately 7 ½ - feet bgs. No perforations were observed in the UST during cleaning, and soils removed from the excavation were free of petroleum impact. A hole was cut through the bottom center of the UST to assess soils beneath the tank. Soils beneath the tank were free of petroleum impact. No groundwater or liquid phase hydrocarbons were observed during tank excavation activities.

A calibrated photo-ionization detector (PID) was used to screen soil during UST removal activities. PID readings were collected as outlined below:

9 feet bgs = 0.3 units

The final excavation measured approximately 10-feet long, 6-feet wide and 8-feet deep. Clean soil from the tank excavation was used as backfill along with clean borrow fill from off-site.

### B. Sampling

On July 30, 2020 one soil sample was collected at the bottom of the excavation, approximately 9-feet below ground surface (bgs). Please see attached diagram for the soil sampling location. The soil sample was collected utilizing sterile gloves, placed in laboratory-supplied bottleware and immediately placed on ice in a clean cooler.

The soil sample was analyzed for full suite volatile organic compounds (VOC's) in accordance with EPA Method 8260 and for total petroleum hydrocarbons (TPH) for diesel-range organics (DRO) and gasoline-range organics (GRO) in accordance with EPA Method 8015.

### C. Analytical Results

The following is a summary of the laboratory analysis (petroleum compounds only). All petroleum constituents or other compounds were below regulatory levels, or non-detectable. Please see attached Certificate of Analysis for the full laboratory analytical report including chain-of-custody documentation.

Sample Location	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Naphthalene	TPH-DRO	TPH-GRO
MDE GNCS-Residential Standard	1.2	490	5.8	58	3.8	230	230
Sample #1	< 0.0013	< 0.0013	< 0.0013	< 0.0026	< 0.0013	<4.2	< 0.112

- Results are reported in mg/kg
- MDE GNCS-RES = Maryland Department of the Environment Generic Numeric Cleanup Standards, Residential Clean-Up Standard for Soil, October 2018

### D. Conclusions and Recommendations

No holes or perforations were detected in the UST during the cleaning and removal of the tank. Also, the soil screening conducted (using a PID meter) during removal activities was below regulatory levels. The soil sample taken and analyzed was below regulatory level and/or non-detectable for petroleum constituents or other compounds. This assessment is supported by the analytical data supplied within this Report. Based the removal of the tank, the absence of petroleum impact, and the accompany analytical data, no further action is recommended. This document should be maintained as a record of the proper removal of the tank at this property.

**BALTIMORE COUNTY, MARYLAND**  
DEPARTMENT OF PERMITS, APPROVALS, AND INSPECTIONS

*M. D. Mallinoff*

Michael D. Mallinoff, Director



*E. John Bryan*

E. John Bryan, Building Engineer

BUILDING PERMIT  
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PERMIT #: B973657 CONTROL #: TA DIST: 03 PREC: 01  
DATE ISSUED: 09/08/2020 TAX ACCOUNT #: 0319036310 CLASS: 04

PLANS: CONST 00 PLOT 0 R PLAT 0 DATA 0 ELEC NO PLUM NO  
LOCATION: 3117 GOLF COURSE RD  
SUBDIVISION: 950 E CHITTENDEN RD

OWNERS INFORMATION

NAME: HOWARD TERESA C  
ADDR: 620 SPRINGLINE DR, NAPLES FL 34102

TENANT:

CONTR: ACE ENVIRONMENTAL HOLDINGS LLC

ENGR:

SELR:

WORK: REMOVE (1) 275 GALLON UNDERGROUND STORAGE TANK  
CONTAINING HEATING OIL. GROUND WATER MANAGEMENT  
LETTER ATTD

BLDG. CODE:

RESIDENTIAL CATEGORY:

OWNERSHIP: PRIVATELY OWNED

PROPOSED USE: SFD + TANK REMOVAL

EXISTING USE: SFD + TANK

TYPE OF IMPRV: OTHER

USE: OTHER - RESIDENTIAL

FOUNDATION:

SEWAGE: PRIV. EXISTS

BASEMENT:

WATER: PRIV. EXISTS

LOT SIZE AND SETBACKS  
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SIZE: 3.190AC

FRONT STREET:

SIDE STREET:

FRONT SETB: NC

SIDE SETB: NC

SIDE STR SETB:

REAR SETB: NC

THIS PERMIT EXPIRES ONE  
YEAR FROM DATE OF ISSUE

PLEASE REFER TO PERMIT NUMBER WHEN MAKING INQUIRIES