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April 27, 2021

Mr. Matt Kulhanek  
Fleet & Facilities Manager  
City of Ann Arbor  
301 E Huron, 6<sup>th</sup> Floor  
Ann Arbor, Michigan 48104

via email: [mikulhanek@michigan.gov](mailto:mikulhanek@michigan.gov)

RE: Proposal for Heating Oil UST Removal  
City of Ann Arbor Fuel Farm  
2000 South Industrial Highway, Ann Arbor, Washtenaw County, MI  
Facility ID No. 0-010237  
ATC Proposal No. 21-06192


Dear Mr. Kulhanek:

ATC Group Services LLC (ATC) appreciates this opportunity to provide the City of Ann Arbor with our estimate of costs associated with the removal of an orphan underground storage tank (UST) at the referenced location (Site). ATC has developed the proposed scope and associated cost estimate based upon materials provided by the EGLE Remediation and Redevelopment Division (RRD)

- A detailed work plan designed to meet the requirements of the assignment is contained in Attachment A – Proposed Scope of Services.
- An estimate of costs to complete the scope of work as outlined In Attachment A is provided in Attachment B – Cost Detail.

We at ATC sincerely appreciate the opportunity to provide professional services to the City of Ann Arbor. If you have any questions or need additional information, please contact Mr. DeBusschere at 248-863-2563 (direct) or 810-287-1679 (cell).

Sincerely,  
**ATC Group Services LLC**



Gerard DeBusschere, CPG, LPG  
Sr. Project Manager



Laura Sleeper  
Retail Petroleum Division Manager

File



**ATTACHMENT A**  
**PROPOSED SCOPE OF WORK**  
**Orphan Heating Oil UST Removal**  
**2000 S Industrial Hwy., Ann Arbor, Washtenaw County, MI**  
**April 27, 2021**

**BACKGROUND**

On April 14, 2021, The City of Ann Arbor requested that ATC submit a proposal to remove one (1) orphan UST suspected of formerly being used for the storage of heating oil for on-site use from the referenced Site. The UST was identified by city personnel while trenching for an underground electrical installation. The size of the UST is unknown at this time, but is estimated at between 500 and 2,000-gallon capacity. ATC will assume that the tank does not exceed 2,000-gallon capacity.

ATC understands that the Site is an Operations and Transportation Center that formerly operated USTs for the storage of gasoline and diesel fuel for use in city vehicles. According to the Michigan Department of Licensing and Regulatory Affairs (DLARA), Storage Tank Information Database (STID), the following information is available for the Site:

<u>Facility Information</u>		<u>Owner Information</u>	
Facility ID:	0-010237	O/O Name:	City of Ann Arbor
Site Name:	Utilities Dept/Field Services	O/O Address:	PO Box 8647/100 N Fifth A
Site Address:	2000 S Industrial Hwy	City/State:	Ann Arbor, MI 48107
City/State:	Ann Arbor, MI 48104		

Tank ID	Capacity	Contents	Status	Install Date	Remove Date
UTK-028558-15	12000-Gallon	Gasoline	Removed from Ground	4/11/1979	9/5/1992
UTK-005192-15	12000-Gallon	Gasoline	Removed from Ground	4/10/1980	9/5/1992
UTK-095423-15	2000-Gallon	Gasoline	Removed from Ground	---	10/3/1992
UTK-008473-15	2000-Gallon	Diesel	Removed from Ground	---	10/3/1992
UTK-048783-15	1000-Gallon	Diesel	Removed from Ground	---	10/3/1992
UTK-094982-15	15000-Gallon	Gasoline	Removed from Ground	1/1/1992	6/29/2020
UTK-094986-15	15000-Gallon	Diesel	Removed from Ground	1/1/1992	6/29/2020

The STID indicates that the Site has reported three confirmed releases:

- (C-1594-92) was reported on 9/14/1992,
- (C-1524-92) was reported on 9/15/1992, and
- ATC reported (C-0126-20) on June 29, 2020

Both of the 1992 releases have been closed to regulatory criteria as of 6/16/1997, and the 2020 release is currently under investigation by ATC.



## SCOPE OF WORK

ATC has developed the following Scope of Work:

- ATC will prepare a Site specific Health and Safety Plan (H&SP) prior to scheduling site activities.
- The UST system, consisting of one (1) 2,000-gallon UST (assumed), is to be excavated and removed from the Site.
- ATC will obtain the services of a qualified excavation contractor to excavate, transport and dispose of the UST. The excavation contractor will:
  - Break, load, transport asphalt from over UST; excavate and expose UST and associated underground fuel and vent piping (if present)
  - Access UST; wash interior of UST (rinse water or product removal not included)
  - Remove 2,000 gallon UST (assumed) and render useless; remove associated fuel piping and vent piping; dispose of all at recycling center
  - After Sample analysis is complete (based on 48-hour TAT), contractor will:
    - Backfill and compact void with excavated spoils and new to site 1x3 crushed concrete
    - Top dress excavation with 8" of 21 AA commercial spec crushed concrete
- After determining which landfill is appropriate for this project, ATC will prepare and submit a waste profile to the selected landfill for approval.
  - A waste characterization sample may be necessary for landfill approval. In the event that it is, ATC will mobilize to the Site to collect the sample. It will be submitted to an analytical laboratory to be analyzed for the following parameters:
    - Volatile Organic Compounds (VOCs) by USEPA analytical method 8260;
    - Polynuclear aromatic Hydrocarbon compounds (PNAs) by USEPA 8270; and
    - Lead, cadmium and chromium by USEPA 6010.
- ATC will obtain the services of a qualified liquid waste transporter to pump, transport any liquid waste generated at the site. The liquid waste contractor will:
  - Label materials per all applicable State & Federal regulations.
  - Inspect each package to ensure that it can be safely and legally transported across public roadways. If packaging is insufficient for legal transportation. Contractor will offer solutions to assure that compliance is maintained.
  - Provide necessary tracking/shipping documents and transport the waste on licensed industrial waste hauling vehicles.
  - Obtain all necessary approvals, handle waste, and properly recycle/dispose of all waste streams at an approved TSDF.
- All soils removed from the subsurface during tank removal activities will be stockpiled and tested for re-use at the Site.
- As noted above, (native) Site soils are predominately clayey, and the tank basin itself is assumed to be sand filled. Saturated conditions within the tank basin are assumed, and the tanks are assumed to contain product or water. Assuming porous fill materials in the tank basin, it is probable that water not in an aquifer may be encountered. ATC anticipates a significant volume of water present within the proposed excavation. ATC will assume the need to pump, transport and dispose of no more than 10,000-gallons of groundwater.
- UST assessment samples:
  - ATC is assuming that the former UST contents consisted of heating oil for on-site consumption.
  - Sidewall and excavation floor samples will be collected in accordance with [§1.3.1-Selecting Numbers and Locations of Verification Samples in Excavations](#) found in the EGLE guidance



document *"Sampling Strategies and Statistics Training Materials for Part 201 Cleanup Criteria"* (MDEQ/ERD, 2002); in the event saturated conditions persist, and floor soil samples cannot be collected, a water sample will be collected in lieu of soil samples.

- ATC anticipates collecting the following samples:
  - Two (2) excavation floor (tank end) samples (or one (1) excavation water sample in lieu of);
  - Four (4) sidewall samples; and
  - One (1) piping run samples.
- All samples will be submitted to a State Certified Laboratory to be analyzed as follows:
  - BTEX/TMBs by USEPA analytical method 5035/8260; and
  - Polynuclear Aromatic Hydrocarbon Compounds by USEPA 8270
- Backfill:
  - All excavated areas will be backfilled with environmentally clean granular fill to final grade after any site assessment samples have been obtained by ATC.
  - Compaction testing will not be necessary per the EGLE project manager's instructions.

#### ESTIMATED COST

ATC's 2017 Tank and Soil Removal ISID bid sheet for the EGLE/RRD Lansing District is attached.

#### ASSUMPTIONS

Based on review of the available Site data and site evaluation conducted on July 22, 2020, ATC has made the following assumptions for this preliminary proposal response:

- Site surface currently consists of concrete/asphalt, however, no surface restoration is anticipated other than clean fill to surface.
- Excavation, Transport and disposal of approximately 150-tons of petroleum impacted soil.
- ATC has assumed, based on conversations with EGLE, that the soil and water contained within the tank basin is non-hazardous. Additional costs may be incurred if that proves not to be the case.
- ATC estimates that the maximum rough dimension of the UST excavation will be approximately 25'x20'x10'.
- ATC will provide on-site air-monitoring during the removal of the UST and soil removal activities.
- As noted above, the STID indicates that as of November 12, 2020, that a confirmed release has not been reported. Based on conversations with EGLE, it appears that a UST Assessment (BFS-3881) will be necessary.



ATTACHMENT B  
DETAILED COST BREAKDOWN  
Proposal for Heating Oil UST Removal  
City of Ann Arbor Fuel Farm  
2000 South Industrial Highway, Ann Arbor, Washtenaw County, MI  
April 27, 2021



**ATTACHMENT B  
PROPOSAL COST DETAIL  
City of Ann Arbor - Fuel Farm**

**CONTRACTOR:** ATC Group Services  
**LOCATION:** City of Ann Arbor - DPW Heating Fuel UST  
**ADDRESS:** 2000 S Industrial Hwy. - Ann Arbor, Washtenaw County, MI  
**SCOPE:** Scope of work includes: Excavate & remove out-of-service heating fuel tank

**4/27/2021**

**Task 1 - Preliminary Activities**

<u>Labor:</u>	<u>Quantity</u>	<u>Unit</u>	<u>Rate</u>	<u>Extended Cost</u>
Project Manager	1	Hour	\$ 95.00	\$ 95.00
Sr. Scientist	4	Hour	\$ 85.00	\$ 340.00
Branch Safety Officer	1	Hour	\$ 75.00	\$ 75.00
Project Admin.	2	Hour	\$ 45.00	\$ 90.00
<b>Subtotal - Labor</b>				<b>\$ 600.00</b>

**Task 2 - UST Excavation & Removal**

<u>Labor:</u>	<u>Quantity</u>	<u>Unit</u>	<u>Rate</u>	<u>Extended Cost</u>
Project Manager	1	Hour	\$95.00	\$ 95.00
Sr. Scientist	1	Hour	\$85.00	\$ 85.00
Staff Scientist	20	Hour	\$75.00	\$ 1,500.00
Environmental Scientist	0	Hour	\$65.00	\$ -
Project Admin.	1	Hour	\$45.00	\$ 45.00
<b>Subtotal - Labor</b>				<b>\$ 1,725.00</b>

<u>Reimbursable Expense</u>	<u>Quantity</u>	<u>Unit</u>	<u>Rate</u>	<u>Extended Cost</u>
Vehicle	3	Day	\$75.00	\$ 225.00
PID	2	Day	\$75.00	\$ 150.00
Sample Kit	2	Day	\$45.00	\$ 90.00
Miscellaneous	1	Day	\$25.00	\$ 25.00
<b>Subtotal - Reimbursable Expense</b>				<b>\$ 490.00</b>

<u>Analytical Expense</u>	<u>Quantity</u>	<u>Unit</u>	<u>Rate</u>	<u>Extended Cost</u>
PNAs	7	Each	\$82.00	\$ 574.00
48-Hour expedited turn-around	1	Each	\$1,148.00	\$ 1,148.00
<b>Subtotal - Analytical Expense</b>				<b>\$ 2,296.00</b>

<u>Subcontractor Expense</u>	<u>Quantity</u>	<u>Unit</u>	<u>Rate</u>	<u>Extended Cost</u>
Private Locating	1	Each	\$1,075.00	\$ 1,075.00
Excavation Contractor	1	Each	\$11,550.00	\$ 11,550.00
Vac Truck & Operator	10	Each	\$166.25	\$ 1,662.50
Disposal Fee	2000	Each	\$0.79	\$ 1,584.00
Fuel Surcharge Fee	1	Each	\$82.50	\$ 82.50
Vac Truck Washout	1	Each	\$324.50	\$ 324.50
<b>Subtotal - Subcontractor Expense</b>				<b>\$ 15,954.00</b>

**Task 2 - Excavation Dewatering (if necessary)**

<u>Labor:</u>	<u>Quantity</u>	<u>Unit</u>	<u>Rate</u>	<u>Extended Cost</u>
Project Manager	1	Hour	\$95.00	\$ 95.00
Sr. Scientist	1	Hour	\$85.00	\$ 85.00
Staff Scientist	8	Hour	\$75.00	\$ 600.00
Project Admin.	1	Hour	\$45.00	\$ 45.00
<b>Subtotal - Labor</b>				<b>\$ 825.00</b>

<u>Reimbursable Expense</u>	<u>Quantity</u>	<u>Unit</u>	<u>Rate</u>	<u>Extended Cost</u>
Vehicle	1	Day	\$75.00	\$ 75.00
<b>Subtotal - Reimbursable Expense</b>				<b>\$ 75.00</b>

<u>Subcontractor Expense</u>	<u>Quantity</u>	<u>Unit</u>	<u>Rate</u>	<u>Extended Cost</u>
Vac Truck & Operator	10	Each	\$166.25	\$ 1,662.50
Disposal Fee	7000	Each	\$0.79	\$ 5,544.00
Fuel Surcharge Fee	1	Each	\$82.50	\$ 82.50
Vac Truck Washout	1	Each	\$324.50	\$ 324.50
<b>Subtotal - Subcontractor Expense</b>				<b>\$ 7,289.00</b>

**Task 3 - Reporting**

<u>Labor:</u>	<u>Quantity</u>	<u>Unit</u>	<u>Rate</u>	<u>Extended Cost</u>
Project Manager	2	Hour	\$95.00	\$ 190.00
Staff Engineer	3	Hour	\$95.00	\$ 285.00
Sr. Scientist	9	Hour	\$85.00	\$ 765.00
Branch Safety Officer	9	Hour	\$75.00	\$ 675.00
CAD Operator	4	Hour	\$50.00	\$ 200.00
Project Admin.	1	Hour	\$45.00	\$ 45.00
<b>Subtotal - Labor</b>				<b>\$ 2,160.00</b>



**ATTACHMENT B**  
**PROPOSAL COST DETAIL**  
 City of Ann Arbor - Fuel Farm

<i>Proposal Summary</i>	
<b>Task 1 - Preliminary Activities</b>	
Labor	\$ 600.00
<b>Subtotal - Task 1</b>	<b>\$ 600.00</b>
<b>Task 2 - UST Excavation &amp; Removal</b>	
Labor	\$ 1,725.00
Reimbursable Expense	\$ 490.00
Analytical Expense	\$ 2,296.00
Subcontractor Expense	\$ 15,954.00
<b>Subtotal - Task 2</b>	<b>\$ 20,465.00</b>
<b>Task 3 - Reporting</b>	
Labor	\$ 2,160.00
<b>Subtotal - Task 3</b>	<b>\$ 2,160.00</b>
<b>Total Proposed Budget</b>	<b>\$ 23,225.00</b>
<b>Task 2 - Excavation Dewatering (if necessary)</b>	
Labor	\$ 825.00
Reimbursable Expense	\$ 75.00
Subcontractor Expense	\$ 7,289.00
<b>Subtotal - Task 2 Contingency Cost</b>	<b>\$ 8,189.00</b>
<b>Total Proposed Budget (Plus Dewatering Conting)</b>	<b>\$ 31,414.00</b>