Underground Storage Tank
Closure Assessment
of
Chuck's Stop
737 PA Route 56
Apollo, Pennsylvania 15613

PADEP Facility #03-24734
PAUSTIF Claim #2014-0132

Prepared for:

Mr. Charles Peters, III
737 PA Route 56
Apollo, Pennsylvania 15613

Prepared by:

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PADEP certified UST Remover #5403

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PADEP certified UST Remover # 3728

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North Canton, Ohio 44720
Telephone: 800-690-9409

UST Removal and Sample Collection Dates:
September 22 - 24, 2014

Report Date:
October 16, 2014

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1.0 INTRODUCTION

This report documents the September 22 - 24, 2014, closure by removal of four regulated underground storage tank (UST) systems from the Chuck's Stop location at 737 PA Route 56 in the Apollo, Pennsylvania (the Site). The USTs were closed and permanently removed following the guidelines set forth by the Pennsylvania Department of Environmental Protection (PADEP), Division of Storage Tanks, Technical Document: *Closure Requirements for Underground Storage Tank Systems*, effective April 1, 1998, as revised March 2008 and December 2012. The PADEP UST Closure Form has been completed for this Site and is included in Appendix A.

The USTs were registered with the PADEP under the name of owner Charles J. Peters, III at PADEP UST Facility ID # 03-24734 as follows:

PADEP Registered USTs

Tank Number	**001**	**002**	**003**	**007**
Capacity-gallons	6,000	6,000	6,000	1,000
Stored Substance	Gasoline	Gasoline	Diesel	Kerosene
Tank Material	Single-wall Steel	Single-wall Steel	Single-wall Steel	Double-wall Steel
Piping Material	Double-wall flexible plastic	Double-wall flexible plastic	Double-wall flexible plastic	Fiberglass
Pump Type	Pressure	Pressure	Pressure	Suction
Installation	6/1/1984	6/1/1984	6/1/1984	2/9/1999
Last Used	6/2012	6/2012	6/2012	6/2012
Removal Date	9/23/2014	9/24/2014	9/24/2014	9/24/2014

The PADEP-certified UST removal company was Flynn Environmental, Inc. (Flynn, certification #980), 5640 Whipple Avenue NW, North Canton, OH 44720, telephone: 800-690-9409. The certified UST removal personnel on site were Project Manager Michael J. Flynn (certification #3728) and Environmental Scientist Naythan Senn (certification #5403)

The excavating contractor was Shockey Excavating, 140 Shockey Lane, Butler, PA 16001, telephone: 724-285-7660. The machine operator on Site was Mr. Carl Reep.

The PADEP representative on site was Water Quality Specialist Mr. Guy Curran, Division of Storage Tanks, Southwest Regional Office, Pittsburgh, PA., telephone: 412-442-4089.

2.0 SITE DESCRIPTION

The Site is located on the south side of Pennsylvania State Route 56 about ¾-mile east of downtown Apollo and the Kiskimientas River, in a mixed residential and commercial area of Kiskimientas Township, in Armstrong County, Pennsylvania. The Site is situated on an upland ridge, and the topography of the Site and surrounding area generally drains to the northeast (Figure 1). Elevation at the Site is approximately 986 feet above mean sea level. Soil surrounding the UST work area appeared mostly as sandy silt and clay, and water was observed at approximately 4.5 feet below grade in the tank cavity prior to excavation activities. The Site and surrounding area obtain water and sewer services exclusively from the local municipal authority.

The subject Site was operated as an automotive service and retail fueling station. Fuel sales are thought to have been established at the Site circa 1950, and the current owner, Mr. Charles "Chuck" J. Peters, III, operated four PADEP-registered USTs at the facility until June 2012. Fuel sales included gasoline, diesel, and kerosene.

The layout of the facility at the time of closure is illustrated on Figures 2 and 3. The four subject UST systems were located side-by-side in a common cavity east of the building. The subject systems consisted of three 6,000-gallon single-wall steel tanks (USTs #001, 002, and 003) and one 1,000-gallon double-wall steel tank (UST#007). UST systems #001, 002, and 003 utilized pressurized fuel delivery through flexible double-wall plastic product piping: USTs #001 and 002 supplied gasoline to three dispensers located at an island between the building and PA-56, and UST #003 supplied diesel fuel to a lone dispenser located approximately 30 feet west of the building. UST #007 supplied kerosene to a dispenser pump located directly over the tank. The systems were equipped with spill buckets and overfill protection; and secondary containment was in-place around tank-top fittings and below dispensers.

Tanks #001, 002, and 003 were internally cleaned and lined in 2002. A subsequent tank-tightness test completed in 2012 found that the lining(s) of one or more of the tanks had failed, and the tanks were again internally cleaned and inspected. It was discovered that the internal lining completed in 2002 was improperly completed, and all tanks at the Site were taken out of service. Failure of the lining(s) resulted in no known loss of product, and none of the subject USTs were ever put back into use. Registration statuses of the UST systems remained as "Temporarily Out-of-Service" from 2012 until their permanent removal in September 2014.

3.0 PROJECT DESCRIPTION

Closure and environmental assessment activities were completed by properly licensed personnel from Flynn Environmental September 22 through 24, 2014. A site-specific health and safety plan was prepared by Flynn and was in effect throughout activities at the Site. On-site closure activities were documented using digital cameras; color pictures are included in the *Photographic Summary* of this report.

All four registered UST systems were permanently closed and completely removed from the Site for disposal. Environmental sampling was completed per PADEP guidance, whereby indications of a petroleum release were encountered which included the presence of impacted tank cavity water. A release was verbally reported to the PADEP Southwest Regional Office by phone on

September 24, 2014, and a follow-up written *Notice of Reportable Release* (*NORR*) was submitted September 30, 2014 to the PADEP and the local municipality.

3.1 UST Closure

Closure activities were completed September 22 - 24, 2014. First, all recoverable fluids were vacuumed from the UST lines and sumps into 55-gallon drums for temporary storage. Then the dispensers and product lines were removed. The diesel product line (UST #003) was removed by excavating from the diesel dispenser east to the concrete pad in front of the building (as illustrated on Figure 3). The remaining product lines were completely removed by pulling the flexible piping through the ground and disposed of off-site as non-hazardous material by Shockey Excavating. On September 23, 2014, a pump truck operated by Environmental Specialists, Inc. was employed to recover all remaining fluids from the tanks and the temporary drums; a total of 1,075 gallons of fluids was recovered (see Waste Disposal Documentation in Appendix B).

Then a trackhoe and hand shovels were used to remove the concrete paving, pea gravel, and sand fill material from over the tanks. The concrete was hauled off-site for disposal by James W. White Construction. Fill material was piled adjacent to the cavity. As the tanks were uncovered, product piping and tank-top fittings were visually inspected and disconnected with care. The metal spill buckets at fill risers for UST #001 and 002 were found highly corroded with dark and rusty staining below; no other obvious failure points were observed. Interiors of tanks 001, 002, and 003 were accessed via tank-top manways which had been installed in 2002 during tank-cleaning and lining operations. Tank atmospheres were monitored for explosive and hazardous gasses using an MSA Orion® multi-gas meter. Tanks #001, 002, and 003 were found to be clean and free of hazardous atmospheres, and they were then removed from the ground without incident. The tanks' exteriors appeared highly corroded with deep pitting, but no holes in any of the tanks were observed.

After removal of Tank #001, an abandoned, non-regulated underground storage tank was encountered along the east wall of the tank cavity. The tank was found full of water with no obvious petroleum product. Environmental media surrounding exposed end of the tank did not appear to be obviously petroleum-impacted, and the tank was left in-place.

Tank #007 had not been previously cleaned. It was removed and placed above ground without incident. An access hole was cut into the tank for Flynn personnel to enter, and then all remaining liquids, sediments, and sludges were hand-shoveled into one (1) 55-gallon drum for off-site disposal. This tank was found in excellent condition.

All tanks were then hauled to Wilson's Scrap Metal in Saltsburg, PA to be recycled for final disposal (Appendix B).

After the UST systems had been properly closed and environmental samples had been collected (section 3.2 below), the excavated areas were backfilled with re-used pea gravel and sand from the Site. The tank cavity was brought to grade with approximately 152 tons of clean shale material imported to the Site by James W. White Construction; compacted using the trackhoe; and topped with limestone gravel for a safe and serviceable drive surface.

Drummed wastes are being stored on-site in one (1) properly labeled 55-gallon drum pending off-site disposal by Environmental Specialists, Inc. The drum contains residual fluid and tank bottom material from UST #007. All waste disposal documentation is included in Appendix B.

3.2 Environmental Assessment

Environmental assessment activities were completed per PADEP's UST Closure guidelines. Data collected during the environmental assessment are summarized on and Figure 3. Sample collection locations, depth, date, and field screening data are included.

Shallow water was encountered at approximately 2.5 to 3 feet below grade below the diesel product line and the dispensers. Water below the diesel product line and dispenser appeared with a heavy sheen and was sampled at *W-1.* Water below the gasoline dispenser island (associated with USTs #001 and 002) showed no obvious indication of petroleum impact; it was sampled at *W-2* and *W-3.*

Tank cavity backfill material consisted of pea gravel and sand. Excavated material showed no obvious indication of petroleum impact. However, dark staining was observed on top of tank #001 near the fill riser and a containment sump which housed vapor piping manifolds.

Dark staining was also observed on the sidewalls of the northwest corner of the cavity and sand backfill material below Tank #001. Soil was sampled from just above the soil-water interface along each long wall of the tank cavity per PADEP UST Closure Guidelines at *SW-E, SW-W,* and *SW-W-2.* Soil was also sampled between Tank #003 and UST #007 at *SW-S.* None of the collected soil samples produced significant PID readings, though sample *SW-W* did produce a slightly elevated reading.

Water in the tank cavity was observed at 4.5 feet below grade prior to excavation activities in a tank cavity observation / extraction well located between Tanks #002 and 003. Following removal of the tanks, water in the cavity appeared with a heavy sheen / film and produced a petroleum odor. Tank cavity water appeared most significantly impacted toward the northwest corner of the cavity, near the location of water sample *W-4.* Water sample *W-5* was collected from southwestern corner of the cavity.

4.0 SAMPLING AND ANALYSIS PLAN

Environmental sampling was completed following PADEP guidelines to assess the environmental media surrounding the subject USTs. Shallow water was encountered below the dispenser islands and product piping and within the tank cavity, therefore five (5) water samples and four (4) soil samples were collected (as described above). Per PADEP guidance, all five water samples and two of the soil samples were submitted for laboratory analysis.

All soil samples were collected using the trackhoe bucket and handled while wearing clean latex gloves. Each soil sample was split into two representative portions. One portion was field-screened as described below, and one portion was containerized for submission to the laboratory. Soil samples were placed into two clean laboratory-supplied glass containers per EPA Method 5035/8260B. A 40-mL vial containing methanol (MeOH) as a preservative received a 5-gram

portion of soil (measured by volume in a clean plastic syringe) and was immediately sealed with a Teflon-lined lid. Additionally, a 4-oz soil jar was filled with soil and immediately sealed with a Teflon-lined lid for dry weight analysis. Each sample container was properly marked with the sample location, date of collection, and time of collection.

The remaining portion of each split sample was containerized in a dedicated re-sealable plastic bag for headspace field screening. Each bag sample was filled no more than half and sealed to prevent the loss of volatiles. The field-screening samples were then allowed to equilibrate to approximately 70-degrees Fahrenheit. The probe of a photoionization detector (PID) was then inserted into the headspace of each sample bag in order to record relative organic vapor levels. The highest PID reading for each sample was recorded. The PID used for field screening was a MiniRAE 2000, Model PGM-7600 with a 10.6 electronvolt lamp (Serial #110-012818). The PID has a range of 0 to 2,000 parts per million (ppm) and was calibrated using an Isobutylene span gas with a known concentration of 100 ppm prior to use each day.

Water samples *W-1, W-2,* and *W-3* were collected directly from the shallow excavation areas. Water samples *W-4* and *W-5* were collected from the tank cavity using dedicated plastic bailers. The samples were each transferred immediately to two clean, laboratory-supplied 40-mL glass vials containing hydrochloric acid (HCl) as a preservative and sealed with a Teflon-lined lid to avoid the loss of volatiles.

After being containerized, the soil and water samples were immediately placed into a cooler on ice and then refrigerated at Flynn's office until being delivered to Summit Environmental Technologies (SET) for analysis. The PADEP guidelines for sample containers, preservatives, and hold times were observed. A Chain-of-Custody record was completed at the Site and signed by the receiving individual at SET. Samples were analyzed using EPA Method 5030B/8260B or 5035/8260B, reporting chemical constituents of Unleaded Gasoline, Diesel, and Kerosene listed on *Table IV-9 Short List of Petroleum Products* in the PADEP *Land Recycling Program Technical Guidance Manual* (revised March 2008), which consist of the following chemicals of concern (COCs): benzene, toluene, ethylbenzne, total xylenes, cumene, MTBE, naphthalene, 1,2,4-trimethylbenze, and 1,3,5-trimethylbenzene.

The sampling was conducted by Naythan Senn, Environmental Scientist with Flynn Environmental, Inc., who is trained and experienced in the sampling and record keeping techniques required by the PADEP, under the supervision of Project Manager Michael Flynn.

5.0 RESULTS & CONCLUSIONS

This report documents the permanent closure by removal of four (4) registered UST systems at the Chuck's Stop location and the associated environmental assessment completed September 22 - 24, 2014. The extent of excavation, sample locations and collection data are illustrated in Figure 3. Analytical results are presented in Table 1, and the laboratory analytical reports are included in Appendix C.

Environmental assessment activities identified indications of a petroleum release at the Site which has impacted groundwater. Data indicate that the release likely originated in the tank cavity area above the northern-most gasoline tank, UST #001. Laboratory analysis of water from the tank

cavity (samples *W-4* and *W-5*) measured concentrations of COCs benzene, ethylbenzene, naphthalene, 1,2,4-trimethylbenzne and / or 1,3,5-trimethylbenzene which exceed regulatory action levels for samples collected at UST closure sites (see Table 1). Observations of dark staining on Tank #001 suggest that the source of the release may have been a faulty spill bucket at the fill riser.

Analysis of soil samples collected from the two long walls of the tank cavity (*SW-E* and *SW*-W) reported no detectable concentrations of any COCs. Stained soil of the northwest corner of the cavity was not sampled.

Shallow water encountered below the diesel product line and dispenser had appeared visibly impacted upon inspection; however, laboratory analysis of water samples collected from below the diesel (*W-1*) and gasoline (*W-2* and *W-3*) dispenser islands reported no detectable COC concentrations.

PADEP guidelines indicate that if UST Closure confirmatory sampling identifies any COC concentrations above UST Closure action levels, the responsible party is required to complete a Site Characterization Report (SCR) within 180 days of the date when contamination was confirmed. The release was confirmed on September 23, 2014; therefore a Site Characterization Report would be due to PADEP on or near March 22, 2015.

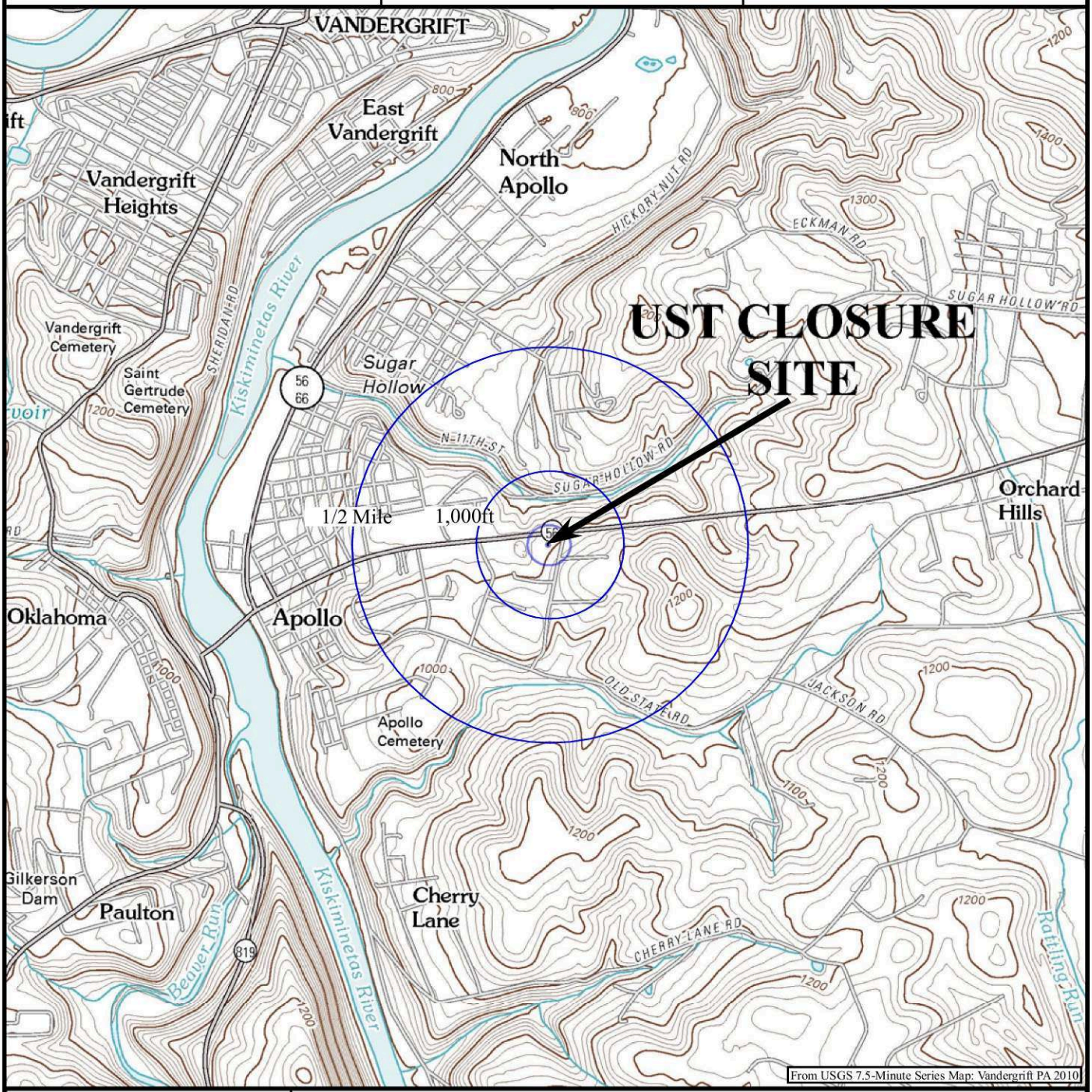
FIGURES, TABLES & PHOTOGRAPHS

CHUCK'S STOP
737 PA ROUTE 56
APOLLO, PA 15613
KISKIMIENTAS TOWNSHIP
ARMSTRONG COUNTY
PADEP UST FACILITY #03-24734

FIGURE 1

UST CLOSURE SITE LOCATION
ON USGS TOPOGRAPHIC MAP

FLYNN ENVIRONMENTAL, INC.
5640 WHIPPLE AVENUE, NW
NORTH CANTON, OHIO 44720
PHONE (330) 499-1000



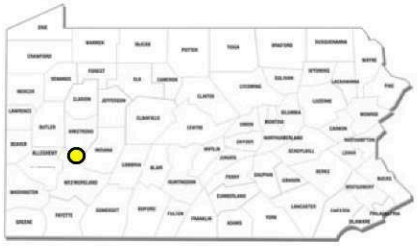
NORTH

1

Scale: 1 inch = 2,000 feet

0' 2,000'

CONTOUR INTERVAL = 20 feet



SITE LOCATION
40.583789°N, 79.553167°W
Elevation: 986 ft

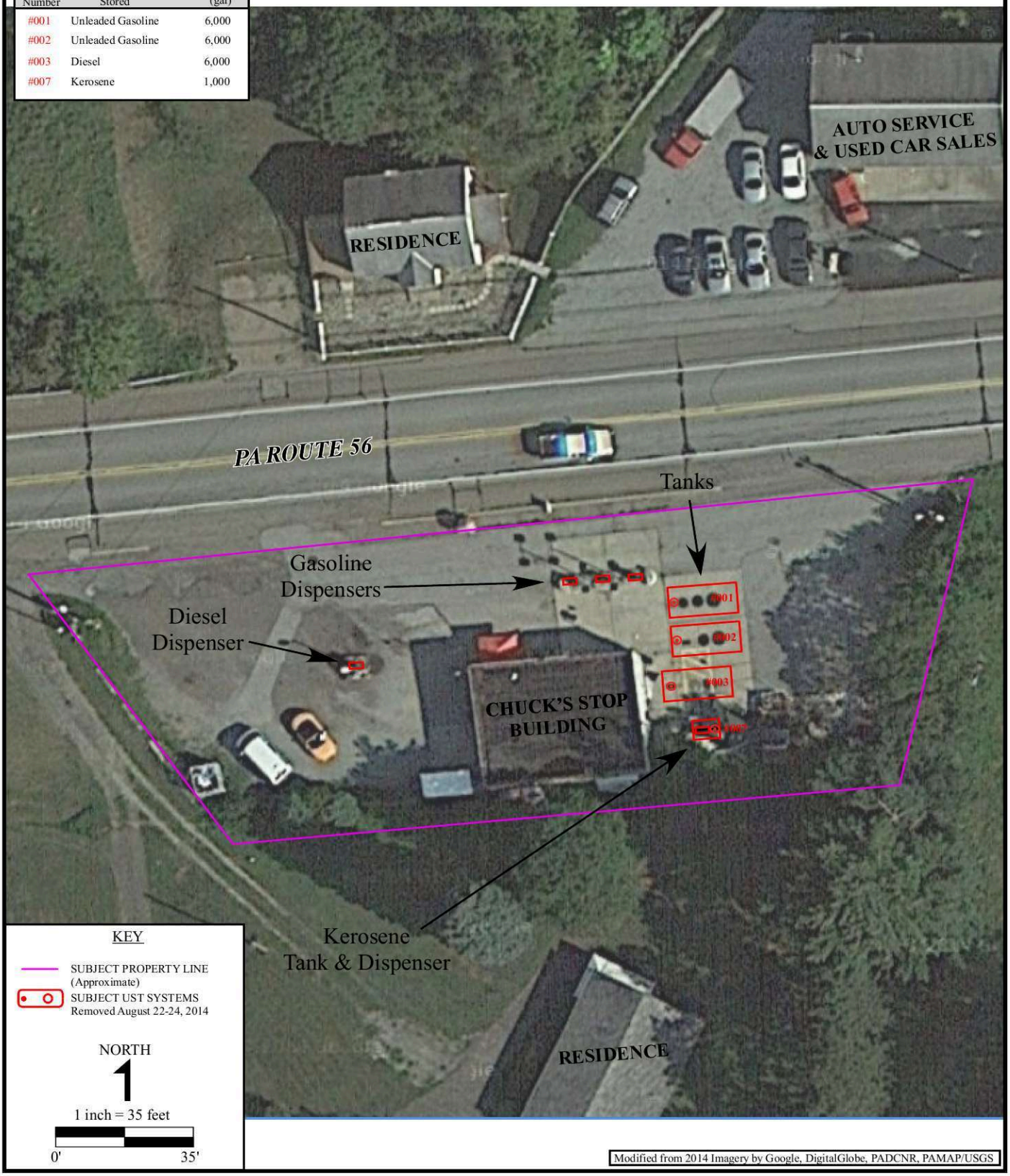
CHUCK'S STOP
737 PA ROUTE 56
APOLLO, PA 15613
KISKIMIENTAS TOWNSHIP
ARMSTRONG COUNTY
PADEP UST FACILITY #03-24734

FIGURE 2

AERIAL PHOTO OF SITE
SHOWING SUBJECT UST SYSTEMS

FLYNN ENVIRONMENTAL, INC.
5640 WHIPPLE AVENUE, NW
NORTH CANTON, OHIO 44720
PHONE (330) 499-1000

UST Number	Product Stored	Capacity (gal)
#001	Unleaded Gasoline	6,000
#002	Unleaded Gasoline	6,000
#003	Diesel	6,000
#007	Kerosene	1,000



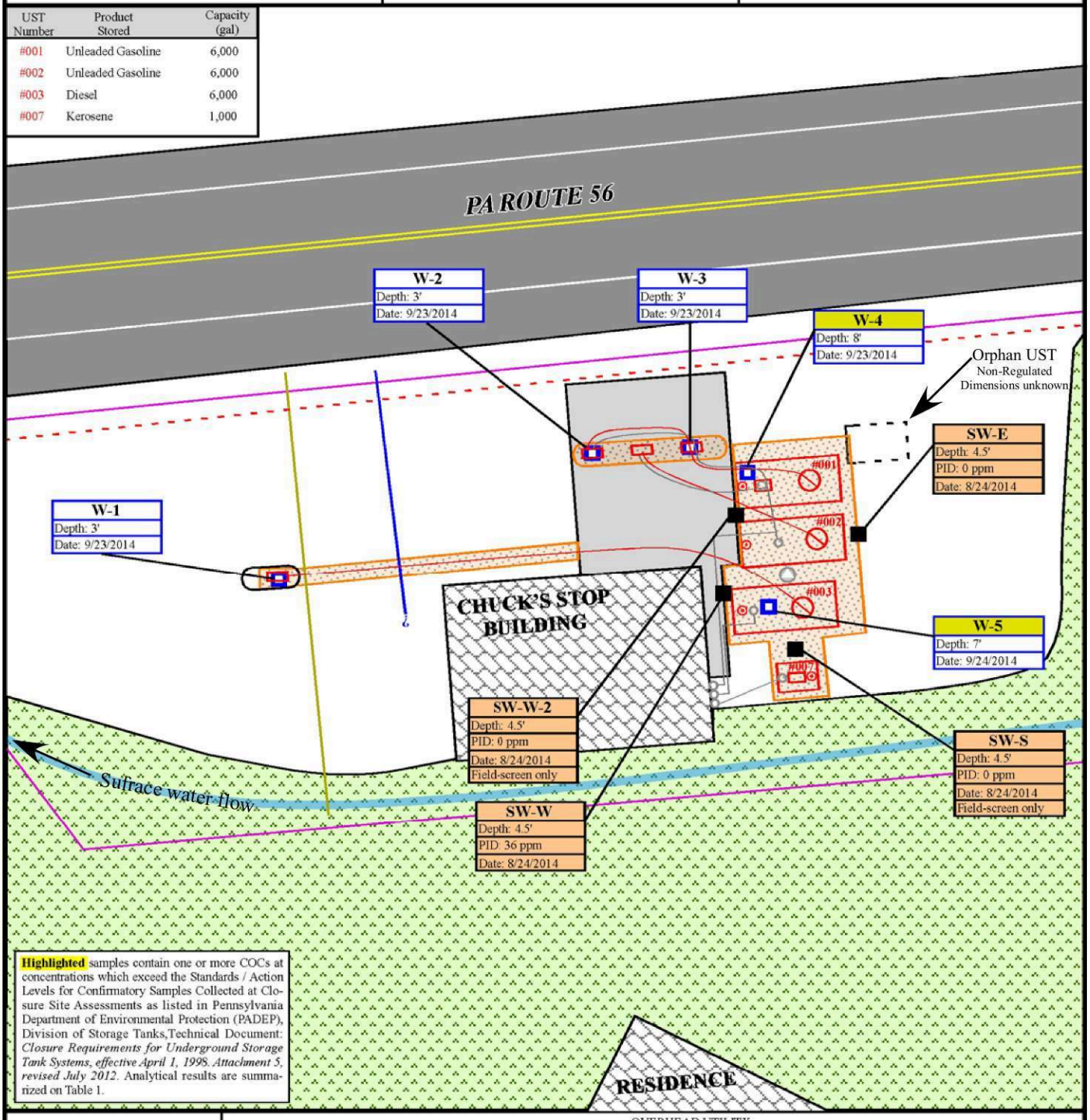
CHUCK'S STOP
737 PA ROUTE 56
APOLLO, PA 15613
KISKIMIENTAS TOWNSHIP
ARMSTRONG COUNTY
PADEP UST FACILITY #03-24734

FIGURE 3

UST CLOSURE ASSESSMENT
SAMPLE LOCATIONS AND
COLLECTION DATA

FLYNN ENVIRONMENTAL, INC.
5640 WHIPPLE AVENUE, NW
NORTH CANTON, OHIO 44720
PHONE (330) 499-1000

UST Number	Product Stored	Capacity (gal)
#001	Unleaded Gasoline	6,000
#002	Unleaded Gasoline	6,000
#003	Diesel	6,000
#007	Kerosene	1,000



Highlighted samples contain one or more COCs at concentrations which exceed the Standards / Action Levels for Confirmatory Samples Collected at Closure Site Assessments as listed in Pennsylvania Department of Environmental Protection (PADEP), Division of Storage Tanks,Technical Document: *Closure Requirements for Underground Storage Tank Systems, effective April 1, 1998. Attachment 5, revised July 2012.* Analytical results are summarized on Table 1.

NORTH

1 inch = 25 feet

0' 25'

KEY

- UNDERGROUND STORAGE TANK (UST) — Subject UST components removed September 2014
- DISPENSER LOCATION
- SUBMERSIBLE TURBINE PUMP MANWAY
- FILL RISER AND SPILL BUCKET
- UST VAPOR AND VENT LINES
- OBSERVATION / EXTRACTION WELL
- OVERHEAD UTILITY
- WATER LINE
- NATURAL GAS LINE
- BUILDING
- ASPHALT DRIVEWAY
- HIGHWAY
- CONCRETE
- VEGETATIVE COVER
- SURFACE WATER
- EXCAVATION AREA — Extent for UST Closure operations
- SOIL SAMPLE LOCATION (grab)
- WATER SAMPLE LOCATION (grab)
- SAMPLE COLLECTION DATA

TABLE 1
UST CLOSURE SOIL AND GROUNDWATER ANALYTICAL RESULTS

Chuck's Stop
737 PA Route 56
Apollo, Pennsylvania 15613
Kiskimientas Township / Armstrong County
PADEP UST Facility ID #03-24734

PARAMETER/ SAMPLE ID	DATE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES	MTBE	CUMENE	NAPHTHALENE	1,2,4-TRIMETHYLBENZENE	1,3,5-TRIMETHYLBENZENE
UST CLOSURE ASSESSMENT SOIL ANALYTICAL RESULTS (mg/Kg, ppm)										
SW-E	9/24/2014	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060
SW-W	9/24/2014	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061
Standards / Action Levels for Confirmatory Soil Samples Collected at UST Closure Site Asesessments (mg/Kg, ppm)										
Unsaturated Soil Standard or Action Level		0.5	100	70	1,000	2	600 / 2,500	25	8.4 / 35	2.3 / 9.3
Standard for Reuse of Soil On-Site		0.5	100	70	1,000	2	84 / 350	10	1.5 / 6.2	1.3 / 5.3
UST CLOSURE ASSESSMENT GROUNDWATER ANALYTICAL RESULTS (ug/L, ppb)										
W-1	9/23/2014	<5	<5	<5	<5	<5	<5	<5	<5	<5
W-2	9/23/2014	<5	<5	<5	<5	<5	<5	<5	<5	<5
W-3	9/23/2014	<5	<5	<5	<5	<5	<5	<5	<5	<5
W-4	9/23/2104	**191**	514	**1,130**	5,470	<5.00	101	**550**	**3,880**	**1,240**
W-5	9/24/2014	**67.6**	810	135	583	8.48	10.8	43.0	**195**	**68.1**
Standards / Action Levels for Confirmatory Groundwater Samples Collected at UST Closure Site Asesessments (ug/L, ppb)										
UST Closure Action Levels		5	1,000	700	10,000	20	840	100	15	13

All soil results are reported in milligrams per kilogram (mg/kg), or parts per million; all water results are reported in micrograms per liter (ug/L), or parts per billion. MSCs are from Pennsylvania Department of Environmental Protection (PADEP), Division of Storage Tanks, Technical Document: Closure Requirements for Underground Storage Tank Systems, effective April 1, 1998. Attachment 5, *Standards/Action Levels for Confirmatory Samples Collected at Closure Site Assessments,* rev. 12/2012. Where two numbers are shown, the first applies to residential sites and the second applies to non-residential sites. **BOLD** concentrations exceed PADEP Closure Action Levels for this site.

Photo 1 (10/2013): Historic street-view of the Site. Image adapted from GoogleMaps® StreetView.

Photos 2&3 (9/22/2014): View over the tank cavity prior to excavation activities. UST systems #1, 2, and 3 utilized pressurized pumps with containment sumps at the pump heads on top of the tanks. Product lines were disconnected inside the sumps and all product was recovered from the lines using a drum-top vacuum.

Photos 4&5 (9/22/2014): Gasoline dispensers associated with USTs #1 & 2 were fitted with under dispenser containment sumps (UDCs). All residual fluids were evacuated from the sumps using a drum-top vacuum prior to excavation activities.


Photos 6&7 (9/22/2014): The diesel dispenser associated with UST #3 was fitted with a plastic drum used as an under dispenser containment sump (UDC). All residual fluids were evacuated from the sump using a drum-top vacuum prior to excavation activities.



Photos 8,9&10 (9/22/2014): The diesel product line and dispenser area were excavated for visual inspection. Potentially perched water was identified below the product line and dispenser which appeared visibly impacted. However, water sample *W-1* was collected at the diesel dispenser, and laboratory analysis reported no detectable COC concentrations. The product line was then completely removed from the ground.



Photos 11,12&13(9/23/2014): The gasoline dispenser island was excavated and product lines were completely removed from the ground by pulling. Potentially perched water below the dispenser island showed no obvious indication of petroleum impact and was sampled as *W-2* and *W-3*.


Photos 14&15 (9/23/2014): The drum-top vacuum was used to recover all fluids from tank top sumps, and a pump truck from Environmental Specialists, Inc. was employed to recover a total of 1,075 gallons of residual fluids from the tanks.


Photos 15&16 (9/23/2014): Concrete paving was removed from over the tanks, and Tank #1 was uncovered. Dark staining was noted on top of the tank near the fill riser and a containment sump which housed vent and vapor recovery piping junctions (left).


Photos 17&18(9/23/2014): Tank #1 was removed from the cavity. Water in the cavity was observed which exhibited a heavy sheen and produced petroleum odors, and dark staining of the cavity sidewalls was noted. The tank was found in poor condition with deep corrosive pitting, though no obvious holes were observed.



Photos 19,20&21 (9/24/2014): Tank #2 was uncovered and removed from the cavity. Significant corrosion was noted on the metal spill bucket at the fill riser with rusty staining below. The tank was found in poor condition with deep corrosive pitting, though no obvious holes were observed.


Photos 22&23 (9/24/2014): Showing collection of soil sample *SW-W-2* (left) and soil of the sidewall which exhibited no obvious staining.


Photos 24&25 (9/24/2014): Showing collection of soil sample *SW-E* (left) and soil of the sidewall which exhibited no obvious staining.


Photos 26&27 (9/24/2014): Showing removal of Tank #3. Dark staining was noted on cavity sidewalls, and water within the cavity carried a light film. Soil samples *SW-W* and *SW-S* were collected from these areas of the sidewalls, though field-screening and analytical data suggest that they were not significantly petroleum-impacted. The tank was found in poor condition with deep corrosive pitting, though no obvious holes were observed.


Photos 28&29 (9/24/2014): The Kerosene UST system (UST #007) was found in good condition with no obvious failure points or any signs of contamination.

Photos 30&31 (9/24&25/2014): All tanks were verified to be clean and free of hazardous atmospheres then loaded and hauled by Shockey Excavating to Wilson's Scrap Metal in Saltsburg, PA to be recycled. The excavated areas were then backfilled to grade.

APPENDIX A

PADEP CLOSURE REPORT FORM

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

APPENDIX D

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WASTE MANAGEMENT

UNDERGROUND STORAGE TANK SYSTEM CLOSURE REPORT FORM

03 - 24734
Facility I.D.

Chuck's Stop
Facility Name

Kiskimientas Twp — Armstrong
Municipality — County

10/9/2014
Date Prepared

Naythan Senn
Name of Person Submitting Report
(Please Print)

Flynn Environmental, Inc.
Company Name
(If Applicable)

Environmental Scientist
Title

Closure Method (Check all that apply):

- ☒ Removal
- ☐ Closure-In-Place
- ☐ Change-In-Service

Site Assessment Results (Check all that apply):

- ☐ No Obvious Contamination - Sample Results Meet Standards/Levels
- ☐ No Obvious Contamination - Sample Results Do Not Meet Standards/Levels
- ☐ Obvious, Localized Contamination - Sample Results Meet Standards/Levels
- ☐ Obvious, Localized Contamination - Sample Results Do Not Meet Standards/Levels
- ☒ Obvious, Extensive Contamination

DATE RECEIVED: _____

UNDERGROUND STORAGE TANK SYSTEM
CLOSURE REPORT FORM

Owners who are permanently closing underground storage tanks may use this form to demonstrate that an underground storage tank closure was performed in accordance with the "Closure Requirements for Underground Storage Tank Systems" document. PLEASE PRINT OR TYPE. COMPLETE ALL QUESTIONS.

SECTION I. Owner/Facility/Tank/Waste Management and Disposal Information

1. Facility ID Number 03 - 24734
2. Facility Name Chuck's Stop
3. Facility County Armstrong
4. Facility Municipality Kiskimientas Twp
5. Facility Address 737 PA Route 56, Apollo, PA 15613
6. Facility Contact Person Mr. Chuck Peters, III
7. Facility Telephone Number (724) 433 - 3949
8. Owner Name Mr. Chuck Peters, III
9. Owner Mailing Address 737 PA Route 56, Apollo, PA 15613
10. Description of Underground Storage Tanks (Complete for each tank closed)

DATE OF TANK CLOSURE (Month/Day/Year)		9- 23 -2014	9- 24 -2014	9- 24 -2014	9- 24 -2014
Tank Registration Number		1	2	3	7
Estimated Total Capacity (Gallons)		6,000	6,000	6,000	1,000
Substance(s) Stored Throughout Operating Life of Tank (Check All That Apply)	**a. Petroleum**				
	Unleaded Gasoline	☒	☒	☐	☐
	Leaded Gasoline	☐	☐	☐	☐
	Aviation Gasoline	☐	☐	☐	☐
	Kerosene	☐	☐	☐	☒
	Jet Fuel	☐	☐	☐	☐
	Diesel Fuel	☐	☐	☒	☐
	Fuel Oil No. 1	☐	☐	☐	☐
	Fuel Oil No. 2	☐	☐	☐	☐
	Fuel Oil No. 4	☐	☐	☐	☐
	Fuel Oil No. 5	☐	☐	☐	☐
	Fuel Oil No. 6	☐	☐	☐	☐
	New Motor Oil	☐	☐	☐	☐
	Used Motor Oil	☐	☐	☐	☐
	Other, Please Specify				
NOTE: If Hazardous Substance Block is Checked, Attach Material Safety Data Sheets (MSDS)	**b. Hazardous Substance**	☐	☐	☐	☐
	Name of Principal CERCLA Substance				
	AND				
	Chemical Abstract Service (CAS) No.				
	c. Unknown	☐	☐	☐	☐
Closure Method (Check Only One)	**a. Removal**	☒	☒	☒	☒
	b. Closure-in-Place	☐	☐	☐	☐
	c. Change-In-Service	☐	☐	☐	☐
Partial System Closure (Yes or No)		No	No	No	No

DATE OF TANK CLOSURE (Month/Day/Year)		- -	- -	- -	- -
Tank Registration Number					
Estimated Total Capacity (Gallons)					
Substance(s) Stored Throughout Operating Life of Tank (Check All That Apply)	**a. Petroleum**				
	Unleaded Gasoline	☐	☐	☐	☐
	Leaded Gasoline	☐	☐	☐	☐
	Aviation Gasoline	☐	☐	☐	☐
	Kerosene	☐	☐	☐	☐
	Jet Fuel	☐	☐	☐	☐
	Diesel Fuel	☐	☐	☐	☐
	Fuel Oil No. 1	☐	☐	☐	☐
	Fuel Oil No. 2	☐	☐	☐	☐
	Fuel Oil No. 4	☐	☐	☐	☐
	Fuel Oil No. 5	☐	☐	☐	☐
	Fuel Oil No. 6	☐	☐	☐	☐
	New Motor Oil	☐	☐	☐	☐
	Used Motor Oil	☐	☐	☐	☐
	Other, Please Specify				
NOTE: If Hazardous Substance Block is Checked, Attach Material Safety Data Sheets (MSDS)	**b. Hazardous Substance**	☐	☐	☐	☐
	Name of Principal CERCLA Substance	☐	☐	☐	☐
	AND				
	Chemical Abstract Service (CAS) No.				
	c. Unknown	☐	☐	☐	☐
Closure Method (Check Only One)	**a. Removal**	☐	☐	☐	☐
	b. Closure-in-Place	☐	☐	☐	☐
	c. Change-In-Service	☐	☐	☐	☐
Partial System Closure (Yes or No)					

Yes **N/A**

11. Briefly describe the storage tank facility and the nature of the operations which were conducted at the facility (both historical and present) **including use of tanks:**
The facility is a former automotive service station with fuel sales. USTs were used to store and dispense retail gasoline, diesel, and kerosene. The USTs were operated until June 2012 and then placed in TOS status.

☒ ☐ 12. A site location and sampling map of the site, drawn to scale, is attached. See page 11 of 11.

☒ ☐ 13. Original, color photographs of the closure process are attached (i.e., inside of excavation/piping runs, pit water, tanks showing condition).

☒ ☐ 14. An amended "Storage Tanks Registration/Permitting Application Form" was submitted to the DEP, Bureau of Waste Management, Division of Storage Tanks, P.O. Box 8762, Harrisburg, PA 17105-8762.

Date: 9-30-2014

☒ ☐ 15. If a reportable release was confirmed, the appropriate regional office of DEP was notified by the owner or operator.

Date: 9 - 23 - 2014 Office: SWRO, Pittsburgh

Yes **N/A**

☒ ☐ 16. If tanks were cleaned on-site:

a. Briefly describe the disposition of usable product: No useable product was recovered from the tank systems.

b. Briefly describe the disposal of unusable product, sludges, sediments, and wastewater generated during cleaning. Provide the name and permit number of the processing, treatment, storage or disposal facility. (Attach documentation of proper disposal):
Residua fluids from the tanks, lines, and sumps were recovered by a pump truck operated by Environmental Specialists, Inc (ESI). Remaining Wastes were placed into a total of 1 55-gallon drum for proper off-site disposal by Environmental Specialists, Inc...

c. If tank contents were determined/deemed to be hazardous waste, provide:

(1) Generator ID Number: N/A

(2) Licensed Hazardous Waste Transporter Name and ID Number: Environmental Specialists, Inc. OH0000816868

☐ ☒ 17. If tanks were removed from the site for cleaning:

a. Provide the name and permit number of the processing, treatment, storage or disposal facility performing the tank cleaning:

b. If tank contents were d determined/deemed to be hazardous waste, provide:

(1) Generator ID Number:

(2) Licensed Hazardous Waste Transporter Name and ID Number:

18. Briefly describe the disposition of tanks/piping (Attach documentation of proper disposal):
Tanks were disposed of at Wilson's Scrap Metal in Saltsburg, PA (see Appendix B). Lines were of plastic construction and were disposed of as non-hazardous material by Shockey Excavating.

☐ ☒ 19. If contaminated soil is excavated:

a. Briefly describe the disposition and amount 0 (tons) of contaminated soil. Provide the name and permit number of the processing, treatment, storage or disposal facility. (Attach documentation of proper disposal):

b. If contaminated soil is determined/deemed to be hazardous waste, provide:

(1) Generator ID Number:

(2) Licensed Hazardous Waste Transporter Name and ID Number:

Yes	N/A		
☐	☒	20.	Briefly describe the disposition of and amount n/a (tons) of uncontaminated soil (attach analyses): Tank cavity fill material was comprised of pea gravel and sand and was re-used as backfill following removal of the UST systems. Contaminated media was not excavated from the cavity.

I, Charles Peters, III, hereby certify, under penalty of law as provided in 18 Pa. C.S. §4904
(Print Name)
(relating to unsworn falsification to authorities) that I am the owner of the above referenced storage tank(s) and that the information provided by me in this closure report (Section I) is true, accurate and complete to the best of my knowledge and belief.

Signature of Tank Owner

/ /
Date

Company Name
(If Applicable)

Owner / Operator
Title

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WASTE MANAGEMENT

UNDERGROUND STORAGE TANK SYSTEM CLOSURE REPORT FORM

SECTION II. Tank Handling Information

Facility ID Number 03 - 24734

Yes **N/A**

1. Briefly describe the excavation and initial on-site staging of uncontaminated/contaminated soil:
Tank cavity and product line trench fill material was pea gravel and sand; it was piled adjacent to the cavity as the systems were removed then returned as fill material.

2. Briefly describe the method of piping system closure and the closure of the piping systems including the quantity and condition of the piping:
All residual fluids were vacuumed from the lines, and all 160 feet of product piping was completely removed from the ground via excavation and pulling. Piping was in good condition with no obvious failure points.

3. Briefly describe the condition of the tanks and any problems encountered during tank removal:
Tanks #1, 2, & 3 were found in poor condition with deep corrsive pitting, but no obvious holes were observed; Tank #7 was in excellent condition. No problems were encountered during their removal.

4. Briefly describe the method used to purge the tanks of and monitor for explosive vapors:
Tank atmospheres were purged using a Venturi air-eductor and monitored for oxygen, carbon monoxide, lower explosive limit (LEL), and hydrogen sulfide using an Orion MSA multi-gas meter.

☒ ☐ 5. If tanks were cleaned on-site:

a. Briefly describe the tank cleaning process: Tanks #1, 2, & 3 had previously been cleaned in-place; they were verified to be clean prior to removal via manways at the tank tops. Tank #7 was cut open using non-sparking pnuematic tools and then entered by Flynn personnel, and the remaining liquids, sludges, and sediments were hand shoveled into one (1) 55-gallon drum.

b. If subcontracted, name and address of company that performed the tank cleaning:

☐ ☒ 6. If tanks were closed-in-place, briefly describe the tank fill material:

☒ ☐ 7. If contamination was suspected or observed, the "Notification of Contamination" form was submitted.

SECTION II. (continued)

I, Naythan Senn (Print Name), hereby certify, under penalty of law as provided in 18 Pa. C.S. §4904 (relating to unsworn falsification to authorities) that I am the certified installer who performed the tank handling activities associated with the closure of the above referenced storage tank(s) and that the information provided by me in this closure report (Section I) is true, accurate and complete to the best of my knowledge and belief.

Signature of Certified Installer	10 / 9 / 2014 Date
5403 Installer Certification Number	980 Company Certification Number
	Flynn Environmental, Inc. Company Name
	5640 Whipple ave. NW Street
	North Canton, OH 44720 City/Town, State, Zip
	800 - 690 - 9409 Phone

UNDERGROUND STORAGE TANK CLOSURE REPORT FORM

SECTION III. Site Assessment Information
Tank Registration # 001 (complete one sheet for EACH tank system and attach ALL laboratory sheets pertaining to that system)

Facility ID Number 03 - 24734

A. Provide depth of *BEDROCK* and *WATER* IF encountered during excavation or soil boring (write "N/A: if NOT encountered).

Bedrock n/a feet below land surface Water 4.5 feet below land surface

B. Provide Length of *PIPING* IF piping was closed-in-place (write "N/A" if NOT closed-in-place).
Length of piping N/A feet

C. TANK SYSTEM REMOVED FROM THE GROUND

1). Was obvious contamination observed while excavating?

☐ NO ----------→ Conduct confirmatory sampling ----------→ See end of this section for options on submission and maintenance of closure records ----------→ Do not complete item C.2. below.

☒YES----------→ Report release to DEP within 2 hours ----------→ Describe contamination observed and likely source(s) tank, piping, dispenser, spills, overfills):

Tank cavity water appeared obviously impacted and sidewalls appeared dark-stained. Tank-top fittings, including corroded metal spill buckets, are suspected as the source of contamination.

----------→ Complete item C.2. below.

2). Was contamination localized (within three feet of the tank system in every direction with no obvious water contamination)?

☐ YES --------→ Remove or remediate contaminated soil --------→ Conduct confirmatory sampling-------→ See end of this section for options on submission and maintenance of closure records -------→ Call Indemnification Fund (717-787-0763).

☒ NO----------→ Continue interim remedial actions ----------→ See end of this section for options on submission and maintenance of closure records ----------→ Call Indemnification Fund (717-787-0763).

D. TANK SYSTEM CLOSED-IN-PLACE OR CHANGED-IN-SERVICE

Was obvious contamination observed during sampling, boring or assessing water depths?

☐ NO ----------→ Conduct confirmatory sampling ----------→ See end of this section for options on submission and maintenance of closure records.

☐ YES----------→ Report release to DEP within 2 hours ----------→ Describe contamination observed and likely source(s) tank, piping, dispenser, spills, overfills):

Continue with corrective action ----------→ See end of this section for options on submission and maintenance of closure records ----------→ Call Indemnification Fund (717-787-0763).

UNDERGROUND STORAGE TANK CLOSURE REPORT FORM

SECTION III. Site Assessment Information
Tank Registration # 002 (complete one sheet for EACH tank system and attach ALL laboratory sheets pertaining to that system)

Facility ID Number 03 - 24734

A. Provide depth of *BEDROCK* and *WATER* IF encountered during excavation or soil boring (write "N/A: if NOT encountered).

Bedrock n/a feet below land surface Water 4.5 feet below land surface

B. Provide Length of *PIPING* IF piping was closed-in-place (write "N/A" if NOT closed-in-place).
Length of piping N/A feet

C. TANK SYSTEM REMOVED FROM THE GROUND

1). Was obvious contamination observed while excavating?

☐ NO ----------→ Conduct confirmatory sampling ----------→ See end of this section for options on submission and maintenance of closure records ----------→ Do not complete item C.2. below.

☒YES----------→ Report release to DEP within 2 hours ----------→ Describe contamination observed and likely source(s) tank, piping, dispenser, spills, overfills):

Tank cavity water appeared obviously impacted and sidewalls appeared dark-stained. Tank-top fittings, including corroded metal spill buckets, are suspected as the source of contamination.

----------→ Complete item C.2. below.

2). Was contamination localized (within three feet of the tank system in every direction with no obvious water contamination)?

☐ YES --------→ Remove or remediate contaminated soil --------→ Conduct confirmatory sampling-------→ See end of this section for options on submission and maintenance of closure records -------→ Call Indemnification Fund (717-787-0763).

☒ NO----------→ Continue interim remedial actions ----------→ See end of this section for options on submission and maintenance of closure records ----------→ Call Indemnification Fund (717-787-0763).

D. TANK SYSTEM CLOSED-IN-PLACE OR CHANGED-IN-SERVICE

Was obvious contamination observed during sampling, boring or assessing water depths?

☐ NO ----------→ Conduct confirmatory sampling ----------→ See end of this section for options on submission and maintenance of closure records.

☐ YES----------→ Report release to DEP within 2 hours ----------→ Describe contamination observed and likely source(s) tank, piping, dispenser, spills, overfills):

Continue with corrective action ----------→ See end of this section for options on submission and maintenance of closure records ----------→ Call Indemnification Fund (717-787-0763).

UNDERGROUND STORAGE TANK CLOSURE REPORT FORM

SECTION III. Site Assessment Information
Tank Registration # 003 (complete one sheet for EACH tank system and attach ALL laboratory sheets pertaining to that system)

Facility ID Number 03 - 24734

A. Provide depth of *BEDROCK* and *WATER* IF encountered during excavation or soil boring (write "N/A: if NOT encountered).

Bedrock n/a feet below land surface Water 4.5 feet below land surface

B. Provide Length of *PIPING* IF piping was closed-in-place (write "N/A" if NOT closed-in-place).
Length of piping N/A feet

C. TANK SYSTEM REMOVED FROM THE GROUND

1). Was obvious contamination observed while excavating?

☐ NO ----------→ Conduct confirmatory sampling ----------→ See end of this section for options on submission and maintenance of closure records ----------→ Do not complete item C.2. below.

☒YES----------→ Report release to DEP within 2 hours ----------→ Describe contamination observed and likely source(s) tank, piping, dispenser, spills, overfills):

Tank cavity water appeared obviously impacted and sidewalls appeared dark-stained. Tank-top fittings, including corroded metal spill buckets are suspected as the source of contamination.

----------→ Complete item C.2. below.

2). Was contamination localized (within three feet of the tank system in every direction with no obvious water contamination)?

☐ YES --------→ Remove or remediate contaminated soil --------→ Conduct confirmatory sampling-------→ See end of this section for options on submission and maintenance of closure records -------→ Call Indemnification Fund (717-787-0763).

☒ NO----------→ Continue interim remedial actions ----------→ See end of this section for options on submission and maintenance of closure records ----------→ Call Indemnification Fund (717-787-0763).

D. TANK SYSTEM CLOSED-IN-PLACE OR CHANGED-IN-SERVICE

Was obvious contamination observed during sampling, boring or assessing water depths?

☐ NO ----------→ Conduct confirmatory sampling ----------→ See end of this section for options on submission and maintenance of closure records.

☐ YES----------→ Report release to DEP within 2 hours ----------→ Describe contamination observed and likely source(s) tank, piping, dispenser, spills, overfills):

Continue with corrective action ----------→ See end of this section for options on submission and maintenance of closure records ----------→ Call Indemnification Fund (717-787-0763).

UNDERGROUND STORAGE TANK CLOSURE REPORT FORM

SECTION III. Site Assessment Information
Tank Registration # 007 (complete one sheet for EACH tank system and attach ALL laboratory sheets pertaining to that system)

Facility ID Number 03 - 24734

A. Provide depth of *BEDROCK* and *WATER* IF encountered during excavation or soil boring (write "N/A: if NOT encountered).

Bedrock n/a feet below land surface Water 4.5 feet below land surface

B. Provide Length of *PIPING* IF piping was closed-in-place (write "N/A" if NOT closed-in-place).
Length of piping N/A feet

C. TANK SYSTEM REMOVED FROM THE GROUND

1). Was obvious contamination observed while excavating?

☐ NO ----------→ Conduct confirmatory sampling ----------→ See end of this section for options on submission and maintenance of closure records ----------→ Do not complete item C.2. below.

☒YES----------→ Report release to DEP within 2 hours ----------→ Describe contamination observed and likely source(s) tank, piping, dispenser, spills, overfills):

Tank cavity water appeared obviously impacted and sidewalls appeared dark-stained. Tank-top fittings, including corroded metal spill buckets at UST #001 and 002 are suspected as the source.

----------→ Complete item C.2. below.

2). Was contamination localized (within three feet of the tank system in every direction with no obvious water contamination)?

☐ YES --------→ Remove or remediate contaminated soil --------→ Conduct confirmatory sampling-------→ See end of this section for options on submission and maintenance of closure records -------→ Call Indemnification Fund (717-787-0763).

☒ NO----------→ Continue interim remedial actions ----------→ See end of this section for options on submission and maintenance of closure records ----------→ Call Indemnification Fund (717-787-0763).

D. TANK SYSTEM CLOSED-IN-PLACE OR CHANGED-IN-SERVICE

Was obvious contamination observed during sampling, boring or assessing water depths?

☐ NO ----------→ Conduct confirmatory sampling ----------→ See end of this section for options on submission and maintenance of closure records.

☐ YES----------→ Report release to DEP within 2 hours ----------→ Describe contamination observed and likely source(s) tank, piping, dispenser, spills, overfills):

Continue with corrective action ----------→ See end of this section for options on submission and maintenance of closure records ----------→ Call Indemnification Fund (717-787-0763).

E. If the answer to C.1. is "no", the answer to C.2. if "yes" or the answer to D. is "no", confirmatory samples are required. Use the sample/analysis information sheet on page 10 of 11 to provide the information on confirmatory sampling and complete the diagram on Page 11 of 11.

Options for Submission and Maintenance of Closure Site Assessment Records

Records of the site assessment must be maintained for at least three years after completion of permanent closure or change-in-service in one of the following ways:

(a) By the owners and operators who took the UST system out of service;
(b) By the current owners and operators of the UST system site; or
(c) By mailing these records to the implementing agency if they cannot be maintained at the closed facility.

At least one option must be chosen. If option (c) is chosen, the closure report form should be sent to the DEP regional office responsible for the county in which the tank is located.

Where the results of the site assessment indicate that obvious, localized soil contamination was encountered and the analytical results of the confirmatory sampling show levels below the statewide standard/action levels, this closure report form (Sections I, II, and III) or some other acceptable site characterization report must be received by the Department within 180 days of verbally reporting the release.

Where the results of the site assessment indicate that no obvious contamination or obvious, localized contamination was encountered, but the analytical results of the confirmatory sampling show levels above the statewide standard/action levels, or where there is obvious, extensive contamination, Section 245.310(a)(8) of the CAP regulation requires that details of removal from service be included in the site characterization report. A copy of the completed closure report form should be submitted as part of the site characterization report to satisfy the requirements of Section 245.310(a)(8) of the CAP regulations.

I, Naythan Senn (Print Name), hereby certify, under penalty of law as provided in 18 Pa. C.S. §4904 (relating to unsworn falsification to authorities) that I am the person who performed the site assessment activities associated with the closure of the above referenced storage tank(s) and that the information provided by me in this closure report (Section III) is true, accurate and complete to the best of my knowledge and belief.

Signature of Person Performing Site Assessment	10 / 9 / 2014 Date
Environmental Scientist Title of Person Performing Site Assessment	Flynn Environmental, Inc. Name of Company Performing Site Assessment
800-690-9409 Telephone Number of Person Performing Site Assessment	

UNDERGROUND STORAGE TANK SYSTEM
CLOSURE REPORT FORM

Sample/Analysis Information
(Attachment for Section III.)

Facility ID Number 03 - 24734

Sample I.D. (See diagram)	Parameter	Analytical Method[1]		Media	Result (units)	Detection Limit (units)	Date Sample Taken	Date Sample Analyzed
							/ /	/ /
							/ /	/ /
See Table 1	and	Appendix C					/ /	/ /
							/ /	/ /
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							/ /	/ /
							/ /	/ /
							/ /	/ /

Site Location and Sampling Map - Use this page or suitable facsimile to provide a large scale map of the site where tanks were closed. Scales between 1" = 10 and 1" = 100 feet frequently work out well. Include the following information as each applies to the site: facility name and I.D., county, township or borough, property boundaries or area of interest, buildings, roads and streets with names or route numbers, utilities, location and ID number of storage tanks removed including piping and dispensers, soil stockpile locations, excavations or other locations of product recovery, north arrow, approximate map scale and legend. Also show depth and location of samples with sample ID numbers cross-referenced to the same ID numbers shown on Page 10 of 11.

Facility Name and ID: Chuck's Stop 03 - 24734

County: Armstrong

Township/Borough: Kiskimientas Township

See Figures 1 - 3

APPENDIX B

WASTE DISPOSAL DOCUMENTATION

ENVIRONMENTAL SPECIALISTS, INC.

1000 Andrews Ave.
Youngstown, Ohio 44505
Phone: (330) 746-8174 / Toll Free (888) 331-3443
Fax: (330) 746-8175 www.esrecycling.com

"Every Drop Counts"

Recycle. Re-Refine. Re-Use. Continuous Use.

Service Document #
9037
Preprint

Customer Information		Billing Information (if different)	
Name	CHUCK STOP / FLYNN	Name	FLYNN ENVIRONMENTAL
Address	737 RT 56 EAST	Address	5640 WHIPPLE AVE NW
City/State/Zip	APOLLO PA	City/State/Zip	NORTH CANTON OH 44720
Phone		P.O. Number	
U.S.E.P.A. ID#		Sales Rep. ID	WAE Pick-up Date

Item #	Description	Term	Unit Price	Qty	Subtotal	Tax	Total
D/W30	OILY WATER		P/A 35	1075			P/A
	1,075 GALLONS FROM UST AT CHUCK'S STOP APOLLO, PA						

POSTED

Total Payment Due
Payment Received
Applied To

☐ Cash ☐ Check No. | DO NOT PAY FROM THIS DOCUMENT INVOICE TO FOLLOW | **Amount:** P/A

1. MF (initials) I certify that our used oil has not been mixed with listed hazardous waste as specified in 40 CFR part 261 and that it contains ≤ 1000 ppm total Halogens and no amount of PCBs.
This certification is based on MF Generator Knowledge _____ Analysis Generator Status CESQG ☐ SQG ☐ LQG ☐
Note: Used oil containing > 1000 ppm total Halogens must have a successful rebuttal on file and attached to this service document before collecting.

Non Hazardous Waste Information and/or Bill of Lading

Transporter: Environmental Specialists, Inc., OHD000816868, Phone (888) 331-3443
Destination Facility: Environmental Specialists, Inc., 1101 Andrews Avenue, Youngstown, Ohio 44505
OHD000816868, Phone (330) 746-8174, 24 Hour Emergency Response Phone (800) 633-8253.

Bill of Lading and Non Hazardous Waste Information	Containers No.	Containers Type	Total Quantity	Unit Wt./Vol.
Used Naphtha Solvent (High Flash Point, Not EPA or DOT Hazardous)				G
Used Oil (Not EPA or DOT Hazardous)				G
Used Antifreeze (Not EPA or DOT Hazardous)				G
Used Oil Filters (Not EPA or DOT Hazardous)				P
Used Oil and Water (Not EPA or DOT Hazardous)	1	T	1075	G
Used Oil and Debris (Not EPA or DOT Hazardous)				G
Scrap Tires				P

Charge to my account the amount shown for this transaction unless payment is noted by the payment received. All invoices not paid within 30 days will be subject to an interest rate of 1-1/2% per month. (18% per annum) on unpaid invoices. In the event of default, Environmental Specialist, Inc. Shall be entitled to recover the cost of collection and reasonable attorney's fee. I certify that the materials described in the "Bill of Lading" section and/or the accompanying manifest have been properly classified, packaged and labeled according to all local, State and Federal regulations. I further agree to the terms and conditions on the reverse side.

M. FLYNN — Print Name

M. Flynn — Customer Signature

COL01-082103

WILSON'S SCRAP METALS, INC.

330 WILSON LANE • SALTSBURG, PA 15681 • (724) 639-8432
HOURS: MONDAY - FRIDAY 8 AM TO 4:30 PM

Date 9/24/14 110096

MATERIAL	WEIGHT	PRICE	AMOUNT
HEAVY COPPER			
LIGHT COPPER			
RADIATORS			
RED BRASS			
YELLOW BRASS			
ALUMINUM CANS			
ALUMINUM			
DIRTY ALUMINUM			
DIE CAST			
DIRTY DIE CAST			
SCRAP IRON	6080	.07	425.60
LEAD			
BATTERIES			
STAINLESS STEEL			
TIN			
BAILED TIN			
TRANSMISSION			
TOTAL			

Weighmaster's Signature _____

Weightmaster License No. _____ Hour Weighed _____

License No. _____ Gross _____

Vehicle License No. _____ Tare _____

Trailer License No. _____ Net _____

I hereby sell to Wilson's Scrap Metals, Inc. the articles listed above for the sum herein stated and hereby certify that I have legal title to the same and that I am 21 years of age or over.

Seller RIP

Address _____ (Street) _____ (City) _____ (State) _____ (Zip)

Signature Brian Hasner

Delivered By _____

Address _____ (Street) _____ (City) _____ (State) _____ (Zip)

Signature _____

WHITE: Original–Purchaser's Copy CANARY: Void–Customer Do Not Accept PINK: Void–Customer Do Not Accept

WILSON'S SCRAP METALS, INC.

330 WILSON LANE • SALTSBURG, PA 15681 • (724) 639-8432
HOURS: MONDAY - FRIDAY 8 AM TO 4:30 PM

Date 9/24/14 — 110102

Check stop -

MATERIAL	WEIGHT	PRICE	AMOUNT
HEAVY COPPER			
LIGHT COPPER			
RADIATORS			
RED BRASS			
YELLOW BRASS			
ALUMINUM CANS			
ALUMINUM			
DIRTY ALUMINUM			
DIE CAST			
DIRTY DIE CAST			
SCRAP IRON	5940.07	415.80	
LEAD			
BATTERIES			
STAINLESS STEEL			
TIN			
BAILED TIN			
TRANSMISSION			
TOTAL			

Michael kept cash gave $20 to Michael Mayer

Weighmaster's Signature _____

Weightmaster License No. _____ Hour Weighed _____

License No. _____ Gross _____

Vehicle License No. _____ Tare _____

Trailer License No. _____ Net _____

I hereby sell to Wilson's Scrap Metals, Inc. the articles listed above for the sum herein stated and hereby certify that I have legal title to the same and that I am 21 years of age or over.

Seller R112

Address _____ (Street) _____ (City) _____ (State) _____ (Zip)

Signature Bri Hayes

Delivered By _____

Address _____ (Street) _____ (City) _____ (State) _____ (Zip)

Signature _____

WHITE: Original–Purchaser's Copy CANARY: Void–Customer Do Not Accept PINK: Void–Customer Do Not Accept

WILSON'S SCRAP METALS, INC.

330 WILSON LANE • SALTSBURG, PA 15681 • (724) 639-8432
HOURS: MONDAY - FRIDAY 8 AM TO 4:30 PM

Date 9/24/14 — 110120

MATERIAL	WEIGHT	PRICE	AMOUNT
HEAVY COPPER			
LIGHT COPPER			
RADIATORS			
RED BRASS			
YELLOW BRASS			
ALUMINUM CANS			
ALUMINUM			
DIRTY ALUMINUM			
DIE CAST			
DIRTY DIE CAST			
SCRAP IRON	8320 .07	582.4	
LEAD			
BATTERIES			
STAINLESS STEEL			
TIN			
BAILED TIN			
TRANSMISSION			
TOTAL			

Weighmaster's Signature _____

Weightmaster License No. _____ Hour Weighed _____

License No. _____ Gross _____

Vehicle License No. _____ Tare _____

Trailer License No. _____ Net _____

I hereby sell to Wilson's Scrap Metals, Inc. the articles listed above for the sum herein stated and hereby certify that I have legal title to the same and that I am 21 years of age or over.

Seller R112

Address _____ (Street) _____ (City) _____ (State) _____ (Zip)

Signature M. Flynn

Delivered By _____

Address _____ (Street) _____ (City) _____ (State) _____ (Zip)

Signature _____

WHITE: Original–Purchaser's Copy CANARY: Void–Customer Do Not Accept

APPENDIX C

ANALYTICAL REPORTS

SUMMIT ENVIRONMENTAL TECHNOLOGIES, INC.
Analytical Laboratories

Summit Environmental Technologies, Inc.
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

October 02, 2014

Naythan Senn
Flynn Environmental
5640 Whipple Ave NW
North Canton, OH 44720
TEL: (330) 499-1000
FAX (330) 499-4499

RE: CHUCK's Stop Order No.: 14093356

Dear Naythan Senn:

Summit Environmental Technologies, Inc. received 7 sample(s) on 9/30/2014 for the analyses presented in the following report.

There were no problems with the analytical events associated with this report unless noted in the Case Narrative.

Quality control data is within laboratory defined or method specified acceptance limits except where noted.

If you have any questions regarding these tests results, please feel free to call the laboratory.

Sincerely,

Dara Gilger

3310 Win St.
Cuyahoga Falls, Ohio 44223

Original

SUMMIT ENVIRONMENTAL TECHNOLOGIES, INC
Analytical Laboratories

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Cuyahoga Falls, Ohio 44223
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Workorder Sample Summary

WO#: **14093356**
03-Oct-14

CLIENT: Flynn Environmental
Project: CHUCK's Stop

Lab SampleID	Client Sample ID	Tag No	Date Collected	Date Received	Matrix
14093356-001	W-1		9/23/2014 11:30:00 AM	9/30/2014 9:15:00 AM	Liquid
14093356-002	W-2		9/23/2014 12:10:00 PM	9/30/2014 9:15:00 AM	Liquid
14093356-003	W-3		9/23/2014 12:15:00 PM	9/30/2014 9:15:00 AM	Liquid
14093356-004	W-4		9/23/2014 6:30:00 PM	9/30/2014 9:15:00 AM	Liquid
14093356-005	W-5		9/24/2014 11:30:00 AM	9/30/2014 9:15:00 AM	Liquid
14093356-006	SW-E		9/24/2014 10:25:00 AM	9/30/2014 9:15:00 AM	Solid
14093356-007	SW-W		9/24/2014 11:45:00 AM	9/30/2014 9:15:00 AM	Solid

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Case Narrative

WO#: **14093356**
Date: **10/2/2014**

CLIENT: Flynn Environmental
Project: CHUCK's Stop

This report in its entirety consists of the documents listed below. All documents contain the Summit Environmental Technologies, Inc. Work Order Number assigned to this report.

Paginated Report including: Cover Letter, Case Narrative, Analytical Results, Applicable Quality Control Summary Reports and copies of the Chain of Custody Documents supplied with this sample set.

Concentrations reported with a J flag in the Qual field are values below the Limit of Quantitation (LOQ) but greater than the established Limit of Detection (LOD). There is greater uncertainty associated with these results and data should be considered as estimated.

Method numbers, unless specified as SM (Standard Methods) or ASTM, are EPA methods.

Estimated uncertainty values are available upon request.

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WO#: **14093356**
Date Reported: **10/2/2014**
Company: Flynn Environmental
Address: 5640 Whipple Ave NW
North Canton OH 44720
Received: 9/30/2014
Project#: CHUCK's Stop

Client ID#	Lab ID#	Collected	Analyte	Result	Units	Matrix	Method	DF	RL	Run	Analyst
W-1	001	9/23/2014	Benzene	ND	µg/L	Liquid	EPA 8260 B	1	5.00	10/1/2014	MES
W-1	001	9/23/2014	Toluene	ND	µg/L	Liquid	EPA 8260 B	1	5.00	10/1/2014	MES
W-1	001	9/23/2014	Ethylbenzene	ND	µg/L	Liquid	EPA 8260 B	1	5.00	10/1/2014	MES
W-1	001	9/23/2014	Xylenes, Total	ND	µg/L	Liquid	EPA 8260 B	1	5.00	10/1/2014	MES
W-1	001	9/23/2014	Isopropylbenzene	ND	µg/L	Liquid	EPA 8260 B	1	5.00	10/1/2014	MES
W-1	001	9/23/2014	MTBE	ND	µg/L	Liquid	EPA 8260 B	1	5.00	10/1/2014	MES
W-1	001	9/23/2014	Naphthalene	ND	µg/L	Liquid	EPA 8260 B	1	5.00	10/1/2014	MES
W-1	001	9/23/2014	1,2,4-Trimethylbenzene	ND	µg/L	Liquid	EPA 8260 B	1	5.00	10/1/2014	MES
W-1	001	9/23/2014	1,3,5-Trimethylbenzene	ND	µg/L	Liquid	EPA 8260 B	1	5.00	10/1/2014	MES

Client ID#	Lab ID#	Collected	Analyte	Result	Units	Matrix	Method	DF	RL	Run	Analyst
W-2	002	9/23/2014	Benzene	ND	µg/L	Liquid	EPA 8260 B	1	5.00	9/30/2014	MES
W-2	002	9/23/2014	Toluene	ND	µg/L	Liquid	EPA 8260 B	1	5.00	9/30/2014	MES
W-2	002	9/23/2014	Ethylbenzene	ND	µg/L	Liquid	EPA 8260 B	1	5.00	9/30/2014	MES
W-2	002	9/23/2014	Xylenes, Total	ND	µg/L	Liquid	EPA 8260 B	1	5.00	9/30/2014	MES
W-2	002	9/23/2014	Isopropylbenzene	ND	µg/L	Liquid	EPA 8260 B	1	5.00	9/30/2014	MES
W-2	002	9/23/2014	MTBE	ND	µg/L	Liquid	EPA 8260 B	1	5.00	9/30/2014	MES
W-2	002	9/23/2014	Naphthalene	ND	µg/L	Liquid	EPA 8260 B	1	5.00	9/30/2014	MES
W-2	002	9/23/2014	1,2,4-Trimethylbenzene	ND	µg/L	Liquid	EPA 8260 B	1	5.00	9/30/2014	MES
W-2	002	9/23/2014	1,3,5-Trimethylbenzene	ND	µg/L	Liquid	EPA 8260 B	1	5.00	9/30/2014	MES

Client ID#	Lab ID#	Collected	Analyte	Result	Units	Matrix	Method	DF	RL	Run	Analyst
W-3	003	9/23/2014	Benzene	ND	µg/L	Liquid	EPA 8260 B	1	5.00	9/30/2014	MES
W-3	003	9/23/2014	Toluene	ND	µg/L	Liquid	EPA 8260 B	1	5.00	9/30/2014	MES
W-3	003	9/23/2014	Ethylbenzene	ND	µg/L	Liquid	EPA 8260 B	1	5.00	9/30/2014	MES
W-3	003	9/23/2014	Xylenes, Total	ND	µg/L	Liquid	EPA 8260 B	1	5.00	9/30/2014	MES
W-3	003	9/23/2014	Isopropylbenzene	ND	µg/L	Liquid	EPA 8260 B	1	5.00	9/30/2014	MES
W-3	003	9/23/2014	MTBE	ND	µg/L	Liquid	EPA 8260 B	1	5.00	9/30/2014	MES
W-3	003	9/23/2014	Naphthalene	ND	µg/L	Liquid	EPA 8260 B	1	5.00	9/30/2014	MES
W-3	003	9/23/2014	1,2,4-Trimethylbenzene	ND	µg/L	Liquid	EPA 8260 B	1	5.00	9/30/2014	MES
W-3	003	9/23/2014	1,3,5-Trimethylbenzene	ND	µg/L	Liquid	EPA 8260 B	1	5.00	9/30/2014	MES

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WO#: **14093356**
Date Reported: **10/2/2014**
Company: Flynn Environmental
Address: 5640 Whipple Ave NW
North Canton OH 44720
Received: 9/30/2014
Project#: CHUCK's Stop

Client ID#	Lab ID#	Collected	Analyte	Result	Units	Matrix	Method	DF	RL	Run	Analyst
W-4	004	9/23/2014	Benzene	191	µg/L	Liquid	EPA 8260 B	1	5.00	9/30/2014	MES
W-4	004	9/23/2014	Toluene	514	µg/L	Liquid	EPA 8260 B	25	125	10/1/2014	MES
W-4	004	9/23/2014	Ethylbenzene	1130	µg/L	Liquid	EPA 8260 B	25	125	10/1/2014	MES
W-4	004	9/23/2014	Xylenes, Total	5470	µg/L	Liquid	EPA 8260 B	25	125	10/1/2014	MES
W-4	004	9/23/2014	Isopropylbenzene	101	µg/L	Liquid	EPA 8260 B	1	5.00	9/30/2014	MES
W-4	004	9/23/2014	MTBE	ND	µg/L	Liquid	EPA 8260 B	1	5.00	9/30/2014	MES
W-4	004	9/23/2014	Naphthalene	550	µg/L	Liquid	EPA 8260 B	25	125	10/1/2014	MES
W-4	004	9/23/2014	1,2,4-Trimethylbenzene	3880	µg/L	Liquid	EPA 8260 B	25	125	10/1/2014	MES
W-4	004	9/23/2014	1,3,5-Trimethylbenzene	1240	µg/L	Liquid	EPA 8260 B	25	125	10/1/2014	MES

Client ID#	Lab ID#	Collected	Analyte	Result	Units	Matrix	Method	DF	RL	Run	Analyst
W-5	005	9/24/2014	Benzene	67.6	µg/L	Liquid	EPA 8260 B	1	5.00	9/30/2014	MES
W-5	005	9/24/2014	Toluene	810	µg/L	Liquid	EPA 8260 B	10	50.0	10/1/2014	MES
W-5	005	9/24/2014	Ethylbenzene	135	µg/L	Liquid	EPA 8260 B	1	5.00	9/30/2014	MES
W-5	005	9/24/2014	Xylenes, Total	583	µg/L	Liquid	EPA 8260 B	10	50.0	10/1/2014	MES
W-5	005	9/24/2014	Isopropylbenzene	10.8	µg/L	Liquid	EPA 8260 B	1	5.00	9/30/2014	MES
W-5	005	9/24/2014	MTBE	8.48	µg/L	Liquid	EPA 8260 B	1	5.00	9/30/2014	MES
W-5	005	9/24/2014	Naphthalene	43.0	µg/L	Liquid	EPA 8260 B	1	5.00	9/30/2014	MES
W-5	005	9/24/2014	1,2,4-Trimethylbenzene	195	µg/L	Liquid	EPA 8260 B	1	5.00	9/30/2014	MES
W-5	005	9/24/2014	1,3,5-Trimethylbenzene	68.1	µg/L	Liquid	EPA 8260 B	1	5.00	9/30/2014	MES

Client ID#	Lab ID#	Collected	Analyte	Result	Units	Matrix	Method	DF	RL	Run	Analyst
SW-E	006	9/24/2014	1,2,4-Trimethylbenzene	ND	µg/Kg-dry	Solid	EPA 8260 B	1	6.0	9/30/2014	MES
SW-E	006	9/24/2014	1,3,5-Trimethylbenzene	ND	µg/Kg-dry	Solid	EPA 8260 B	1	6.0	9/30/2014	MES
SW-E	006	9/24/2014	Benzene	ND	µg/Kg-dry	Solid	EPA 8260 B	1	6.0	9/30/2014	MES
SW-E	006	9/24/2014	Toluene	ND	µg/Kg-dry	Solid	EPA 8260 B	1	6.0	9/30/2014	MES
SW-E	006	9/24/2014	Isopropylbenzene	ND	µg/Kg-dry	Solid	EPA 8260 B	1	6.0	9/30/2014	MES
SW-E	006	9/24/2014	Ethylbenzene	ND	µg/Kg-dry	Solid	EPA 8260 B	1	6.0	9/30/2014	MES
SW-E	006	9/24/2014	Naphthalene	ND	µg/Kg-dry	Solid	EPA 8260 B	1	6.0	9/30/2014	MES
SW-E	006	9/24/2014	MTBE	ND	µg/Kg-dry	Solid	EPA 8260 B	1	6.0	9/30/2014	MES
SW-E	006	9/24/2014	Xylenes, Total	ND	µg/Kg-dry	Solid	EPA 8260 B	1	6.0	9/30/2014	MES
SW-E	006	9/24/2014	Percent Moisture	17	%	Solid	SM 2540 B	1		10/1/2014	AYS

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Address: 5640 Whipple Ave NW
North Canton OH 44720
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Project#: CHUCK's Stop

Client ID#	Lab ID#	Collected	Analyte	Result	Units	Matrix	Method	DF	RL	Run	Analyst
SW-W	007	9/24/2014	1,2,4-Trimethylbenzene	ND	µg/Kg-dry	Solid	EPA 8260 B	1	6.1	9/30/2014	MES
SW-W	007	9/24/2014	1,3,5-Trimethylbenzene	ND	µg/Kg-dry	Solid	EPA 8260 B	1	6.1	9/30/2014	MES
SW-W	007	9/24/2014	Benzene	ND	µg/Kg-dry	Solid	EPA 8260 B	1	6.1	9/30/2014	MES
SW-W	007	9/24/2014	Toluene	ND	µg/Kg-dry	Solid	EPA 8260 B	1	6.1	9/30/2014	MES
SW-W	007	9/24/2014	Isopropylbenzene	ND	µg/Kg-dry	Solid	EPA 8260 B	1	6.1	9/30/2014	MES
SW-W	007	9/24/2014	Ethylbenzene	ND	µg/Kg-dry	Solid	EPA 8260 B	1	6.1	9/30/2014	MES
SW-W	007	9/24/2014	Naphthalene	ND	µg/Kg-dry	Solid	EPA 8260 B	1	6.1	9/30/2014	MES
SW-W	007	9/24/2014	MTBE	ND	µg/Kg-dry	Solid	EPA 8260 B	1	6.1	9/30/2014	MES
SW-W	007	9/24/2014	Xylenes, Total	ND	µg/Kg-dry	Solid	EPA 8260 B	1	6.1	9/30/2014	MES
SW-W	007	9/24/2014	Percent Moisture	18	%	Solid	SM 2540 B	1		10/1/2014	AYS

Summit Environmental Technologies, Inc.
3310 Win Street
Cuyahoga Falls, Ohio 44223 Tel: 330.253.8211 Fax: 330.253.4489

Analysis Request/Chain of Custody

For Summit Environmental Technologies, Inc. use only
Page 1 of 1 SET No.

Company Name (Please Print): FLYNN ENVIRONMENTAL INC.	Project Name: CHUCK'S STOP
Company Address: 5640 WHIPPLE AVE NW, NORTH CANTON OH 44720	Project Address: 737 PA-56, APOLLO PA 15613
Client Phone No.: 330-499-1000	Report to
Client Fax No.: 330-499-4499 Please Fax Results ✓ ☐	PO#: 14-065
Client Email: MATTMAN@FLYNNENVIRONMENTAL.COM Please Email Results ✓ ☐	Quote No.
Contact Person: MATTMAN SENW	
Sampled by: MATTMAN SENW	Check if Ohio VAP samples ✓ ☐

Analytical Parameters and Methods

Please Check Analytical Box ✓

#	Sample Identification	Date Collected	Time Collected	Grab	Composite	Matrix: S=Solid, L=Liquid, O=Oil, SL=Sludge, A=Air, DW=Drinking Water	Preservative	Number of Containers	PA UNLEADED / DIESEL / KEROSENE (PAMEP 2.0 Short List)
	W-1	9/23/14	1130	X		L	HCl	2	
	W-2	9/23/14	1210	X		L		2	
	W-3	9/23/14	1215	X		L		2	
	W-4	9/23/14	1830	X		L		2	
	W-5	9/24/14	1130	X		L	HCl	2	
	SW-E	9/24/14	1025	X		S	NaOH	2	
	SW-W	9/24/14	1145	X		S	NaOH	2	

14093356-01 ↓ 07

Relinquished by:	Date	Time	Received by:	Date	Time
	9-30-14	0815		9/30/14	0815
Received in lab by:	Date	Time	Rush Requested By: ____ Date	Must be approved by lab manager	

Notes/Comments:

White and yellow pages should accompany samples to the laboratory. The client retains the pink page.

79938

Page 1 of 2

Rev. 12
Date: 07/27/13

Summit Environmental Technologies, Inc.
Cooler Receipt Form

Initials of person inspecting cooler and samples: JP

Client: Flynn

Order Number:

Date Received: 9/30 Time Received: 0915 Date cooler(s) opened and samples inspected: 9/30

Number of Coolers/Boxes: 1 N/A

Shipper: FED EX UPS DHL Airborne US Postal Walk-in (Pickup) Other:

Packaging: Peanuts Bubble Wrap Paper Foam None (Other: plastic)

Tape on cooler/box:	Y	N	(N/A)
Custody Seals intact	(Y)	N	N/A
C-O-C in plastic	Y	N	(N/A)
Ice X Blue ice	(present)	absent / melted	N/A
Sample Temperature IR Gun #16020459 CF 0.0 °C	1.6 °C		N/A
Radiological Testing Instrument serial #35127 (see page 2 for scan results)	Y	N	(N/A)

****Use 1 sheet per sample for Radiological Testing. If sample is HOT, the Radiological Safety Officer must be notified immediately.**

C-O-C filled out properly	(Y)	N	N/A
Samples in separate bags	(Y)	N	N/A
Sample containers intact*	(Y)	N	N/A

*If no, list broken sample(s):

Sample label(s) complete (ID, date, etc.)	(Y)	N	N/A
Label(s) agree with C-O-C	(Y)	N	N/A
Correct containers used	(Y)	N	N/A
Sufficient sample received	(Y)	N	N/A
Bubbles absent from 40 mL vials**	Y	N	(N/A)

** Samples with bubbles <6mm are acceptable. Indicate bubble size if >6mm.

Was client contacted about samples	Y	N
Will client send new samples	Y	N

Client contact:

Date/Time:

Logged in by:

Comments: