Tyree Environmental Corp.

72 Gray's Bridge Road, Brookfield, CT 06804 · Phone: 203-740-8200 · Fax: 203-740-8201

June 5, 2014,

Mr. Dan Bendell
NYSDEC Region 3
21 South Putt Corners Rd
New Paltz, NY 12561

Re: Bedrock Well Installation and Remedial Action Plan
Getty #00358
185 Lincoln Ave
Pelham, NY
NYSDEC Spill Number 07-04608

Dear Mr. Bendell:

Tyree Environmental Corp. (Tyree) was contracted by Getty Realty Corp. (Getty) to conduct a bedrock groundwater investigation at former Getty Service Station # 00358, located at 185 Lincoln Avenue in Pelham, New York. Bedrock well installation activities were conducted April 18, 21, and 22, 2014, in association with NYSDEC spill number 07-04608. The details of the well installation and investigation activities are summarized in the attached report, along with a recommended remedial action plan.

Please review the attached report, and feel free to contact us to discuss. Upon your approval of the remedial action plan, please provide written correspondence that we may send to the Town planning board, as required for the property owner to begin development of the site.

Please feel free to contact me with any questions at (203)740-8200 x3116, or via email at bwarner@tyreeorg.com .

Sincerely,
Tyree Environmental Corp.

Brian Warner
Environmental Project Manager

CC:
Carlos Torres (WCDOH), Stefan Goreau (WCDOH), Chris Lalak (WCDOH), Tim Fisher (Antea), file

Bedrock Well Installation and Remedial Action Plan

Getty Service Station # 00358
185 Lincoln Avenue
Pelham, New York 10803

Former PBS #3-137642
NYSDEC Spill # 07-04608

Report Date: June 5, 2014

Prepared For:

Getty Realty Corp.
125 Jericho Turnpike
Jericho, New York 10605
(516) 478-5400

Prepared By:

Tyree Environmental Corp.
72 Gray's Bridge Road
Brookfield, Connecticut 06804
(203) 740-8200

Brian Warner
Environmental Project Manager

Bedrock Well Installation Remedial Action Plan
Getty Service Station #00358
185 Lincoln Avenue
Pelham, New York 10803

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APPENDICES

1 INTRODUCTION

Tyree Environmental Corp. (Tyree) was contracted by Getty Realty Corp. (Getty) to conduct a bedrock groundwater investigation at former Getty Service Station # 00358, located at 185 Lincoln Avenue in Pelham, New York. Bedrock well installation activities were conducted April 18, 21, and 22, 2014, to address NYSDEC spill number 07-04608. Associated Environmental Services (AES) was contracted by Tyree to install the three bedrock wells. The details of the well installation and investigation activities are summarized in this report, along with a recommended remedial action plan.

2 SITE DESCRIPTION

2.1 Environmental Site History

2.1.1 July 2007 – UST Replacement

In July 2007, three (3) 2,000-gallon underground storage tanks (USTs) were removed. During excavation activities, one (1) unknown 275-gallon UST was also discovered, and removed on July 30, 2007. NYSDEC spill number 07-04608 was issued following the discovery of petroleum impacted soil during UST removal activities. As directed by the WCDOH, Getty Petroleum Marketing, Inc. (GPMI) contracted Tyree to excavate impacted soil from the site. Tyree excavated approximately 592 tons of soil as a remedial effort to remove the source of impacts. Soil throughout the extent of the tank field was removed down to bedrock. The excavation extents were confined by the sidewalk, underground utilities (sewer/water), building foundation, and site identification sign. The new tanks were installed into the same excavation, and the entire area was backfilled with pea gravel. Analytical results indicated that the majority of petroleum impacted soil was removed. Residual petroleum impacts remained in the subsurface along the sidewalk, and along the west side of the tank excavation beneath the pump island, which was not excavated.

2.1.2 June 2009 – Subsurface Investigation and Well Installation

The WCDOH issued a letter dated April 29, 2009, requiring a subsurface investigation on the property to evaluate site conditions related to spill number 07-04608. WCDOH required that at least three (3) groundwater samples be collected from the proximity of the former tank excavation. As part of the investigation, Tyree installed four (4) soil borings on the property. Three (3) of the soil borings were completed with 1-inch diameter monitoring wells (MW-1, MW-2, and MW-4). Drilling activities were completed on June 11, 2009. A subsurface investigation report was submitted to WCDOH in August 2009. Dissolved concentrations of VOCs were present in MW-2 and MW-4 at concentrations exceeding Standards.

2.1.3 September 2012 – Enhanced Vapor and Fluid Recover (EVFR)

On September 29, 2012, Tyree initiated an Enhanced Vapor and Fluid Recovery (EVFR) Program on well MW-4 to reduce dissolved concentrations of total BTEX. The EVFR events were conducted once per month. Dissolved concentrations of total BTEX were reduced from 3,983 ug/l to 1,623 ug/l between August 2012 and August 2013. The EVFR activities were discontinued in May 2013 in order to re-evaluate the remedial strategy for the site.

2.1.4 April 2013 – Remedial Action Plan – UST Removal and Soil Excavation

On April 22, 2013, a Remedial Action Plan (RAP) was submitted to the NYSDEC. The RAP proposed a remedial soil excavation after the removal of the UST system at the project site. The RAP was approved, and on May 9-10, 2013, three (3) gasoline USTs, piping, and two dispensers were excavated and removed from the tank field. During removal activities, petroleum impacts associated with NYSDEC spill number 07-04608 were encountered and documented in the soil. An abandoned vent pipe was also removed and investigated. The pipe was not attached to an underground tank.

During the tank removal activities in May 2013, only pea gravel was encountered in order to remove the tanks. The native soil became exposed along the building foundation and beneath the sidewalk area as the pea gravel sloughed into the excavation. No additional impacted soil could be removed during the tank removal activities without jeopardizing structural integrity of the building or sidewalk.

Based on information obtained from the property owner, the project site was planned for re-development, including the demolition of the building. In order to facilitate the excavation of impacted soil, Tyree discussed with WCDOH and the property owner's environmental consultant that excavation activities should take place after the building was demolished.

2.1.5 February 2014 – Remedial Soil Excavation

A remedial soil excavation commenced after the station building was demolished. A total of 464.26 tons of petroleum impacted soil was removed during site activities from February 19-25, 2014. During the previous tank removal activities in July 2007, a total of 592 tons of petroleum impacted soil was excavated for disposal from the tank field, bringing the total of excavated soil to 1,058 tons.

Soil throughout the excavation was removed down to bedrock, and the excavation was extended to the point at which clean endpoint samples were achieved. Endpoint soil samples collected during the February 2014 remedial soil excavation were predominantly non-detect or below CP-51 soil cleanup objectives for VOCs. One endpoint sample collected during tank removal activities in May 2013 (*T3 S. End 5'*) indicated residual petroleum impacts beneath the sidewalk, where xylenes (2,240 ug/kg) and 1,2,4-trimethylbenzene (8,220 ug/kg) exceeded CP-51 soil cleanup objectives. However, these

concentrations were below the Residential (Restricted Use) soil clean up objectives (6 NYCRR Part 375-6.8(b)). This soil could not be excavated due to the proximity to the sidewalk, and the underground power line beneath the sidewalk.

2.2 Site Location

The site was a commercial retail gasoline facility located in Westchester County, Pelham, New York. It is situated on an approximately 0.25 acre parcel of land located in the Village of Pelham, New York. The property lies at an approximate elevation of 97 feet above sea level.

2.3 Local Land Uses

The project site is located in a residential area. The nearest commercial properties exist to the west of the project site along Lincoln Avenue, approximately 1000 feet away. Glenwood Lake is approximately 1,100 feet to the North. Municipal drinking water is provided throughout the area.

2.4 Regional Geology

According to the Surficial Geologic Map of New York (Cadwell, 1989), the shallow subsurface geology consists of till of variable texture; for example sand, clay, silt-clay, and boulder-clay.

According to the Geologic Map of New York, Lower Hudson Sheet (Fisher et. al, 1970), the bedrock geology beneath the site is comprised of metamorphic rocks of sedimentary origin. Bedrock was encountered across the site at depths as shallow as 6-inches. Depth to bedrock beneath the former tanks was approximately 9.5 feet. The bedrock was likely chipped away to make room for the USTs and associated components.

3 BEDROCK WELL INSTALLATION

3.1 Notifications

The WCDOH and NYSDEC required bedrock wells to be installed to investigate bedrock groundwater quality beneath the project site. The Tyree project manager attended a meeting with WCDOH in their offices on February 21, 2014 to discuss the remedial action plan, including installation of bedrock groundwater monitoring wells. New York Dig Safely was also notified to locate underground utilities in the vicinity of the site.

3.2 Bedrock Well Installation Activities

AES installed the three (3) bedrock wells on April 18, 21, and 22, 2014. A Geoprobe and CME-75 hollow-stem auger, both equipped with an air rotary drill, were utilized to install three (3) bedrock groundwater monitoring wells. The well locations are depicted on **Figure 1**. The installation process involved drilling down to the bedrock interface with the hollow-stem auger (attached to the Geoprobe or the CME-75 rig). Once bedrock was encountered, the air rotary drill was utilized to advance approximately five (5) feet into the competent bedrock, creating a socket for steel casing to be inserted. A 4-inch steel casing was inserted into the socket, and then sealed with grout to grade in order to prevent migration of overburden/perched water into the bedrock zone. The grout was allowed to set for at least 24 hours. The air rotary drill was then advanced through the casing and into the bedrock until a productive groundwater fracture zone was encountered. The monitoring well was finished as "open hole", with a 2-inch PVC well casing and screen.

3.2.1 Friday, April 18, 2014 – Summary

On April 18, 2014, Tyree began hand clearing for well MW-A, located in the eastern portion of the previously excavated tank field. At five feet below grade, water was encountered, and the auger was advanced to bedrock depth of 10 feet. AES attempted to utilize the air rotary drill to penetrate bedrock, but the quantity of perched overburden water was too great to control. Based on discussions with the driller, it was also determined that the quantity of water in the overburden zone would make it difficult to determine if a true bedrock groundwater fracture was encountered. The borehole was abandoned, and the rig was set-up on MW-B where shallower bedrock (5 feet) was known to be present.

The borehole for MW-B was hand cleared to 5 feet, and the hollow stem auger was advanced to the top of bedrock at this depth. During the air rotary drilling, rock dust expelled from the borehole exhibited petroleum odors. See details in attached boring logs in **Appendix A**. The air rotary drill was advanced to a depth of 11 feet below grade, at which depth the steel casing was set and grouted to grade. The grout was allowed to set over the weekend before drilling would be completed.

A new location for MW-A was attempted six (6) feet to the west of the originally planned location. However, the same water condition was observed, and a well was not attempted. The rig was moved and set-up on the location for MW-C. The borehole for MW-C was hand cleared to a depth of 3 feet, where competent bedrock was encountered. The air rotary drill was advanced through the bedrock to a depth of 8 feet below grade, at which depth the steel casing was set and grouted to grade. The grout was allowed to set over the weekend before drilling would be completed.

The borehole for MW-A was relocated 10 feet to the north of the original attempted location, just outside of the former tank excavation. The hollow-stem auger was

advanced to a depth of 10 feet below grade where refusal was encountered. The refusal at 10 feet was determined to be a boulder, as the air rotary drill broke through and continued down to a depth of 16 feet where competent bedrock was encountered. At that point, drilling activities were completed for the day. See the attached well construction logs in **Appendix A.**

3.2.2 Monday, April 21, 2014 – Summary

On Monday, April 21, 2014, AES continued drilling of MW-A. The air rotary drill was advanced 6 feet into bedrock, to a depth of 22 feet below grade. The steel casing was set and grouted to grade. The grout was allowed to set for 24 hours, and drilling would be completed the next day.

The rig was then moved over to MW-B to drill through the steel casing and install the bedrock well. A water-producing fracture was encountered at a depth of 13 feet. The borehole was advanced to a depth of eighteen (18) feet. The PVC monitoring well casing and screen was installed into the open borehole. Well construction details are provided on the boring logs in **Appendix A**.

The rig was then moved over to MW-C to drill through the steel casing and install the bedrock well. A water-producing fracture was encountered at a depth of 10 feet. The borehole was advanced to a depth of fifteen (15) feet. The PVC monitoring well casing and screen was installed into the open borehole. Well construction details are provided on the boring logs in **Appendix A**.

3.2.3 Tuesday, April 22, 2014 – Summary

AES returned to complete the installation of well MW-A. A water-producing fracture was encountered at a depth of 24 feet. The borehole was advanced to a depth of 29 feet. The PVC monitoring well casing and screen was installed into the open borehole. Well construction details are provided on the boring logs in **Appendix A**.

4 WELL GAUGING / SAMPLING INFORMATION

Groundwater samples were collected from monitoring wells MW-A, MW-B, and MW-C on April 22, 2014 for laboratory analysis. Prior to sampling, each monitoring well was gauged for depth to water and then purged of three well volumes. Once the groundwater within each monitoring well recharged to at least 90 percent of its static water level, groundwater samples were collected. A summary of the groundwater gauging and elevation data collected on April 22, 2014 is provided on **Table 1**. Groundwater analytical results for the April 22, 2014 groundwater sampling event are summarized in **Table 2**. Monitoring well locations are included on **Figure 1.**

Date Wells Sampled -	4/22/14
Number of Wells Sampled –	Three (3)
Sampled Well Identifications –	MW-A, MW-B, MW-C
Wells Not Sampled and Reason –	None
Liquid Phase Hydrocarbons (LPH) Detected and LPH Thickness –	None
Generalized Groundwater Flow Direction –	Southwest
Laboratory Analytical Parameters and Methods –	BTEX and MTBE by United States Environmental Protection Agency (USEPA) Method 8260
New York-Certified Laboratory –	Accutest Laboratories of New England; Marlborough, Massachusetts

5 LABORATORY ANALYTICAL RESULTS

Laboratory analytical results associated with the April 22, 2014 groundwater sampling event indicate that target compounds of concern (COCs) exceeded NYSDEC groundwater standards at the following monitoring well locations:

MW-A	None
MW-B	benzene (119 ppb), toluene (68.9 ppb), ethylbenzene (1,830 ppb), and total xylenes (1,380 ppb)
MW-C	benzene (2.6 ppb), toluene (24.2 ppb), ethylbenzene (202 ppb), and total xylenes (361 ppb)

A summary of the groundwater elevation data collected on April 22, 2014 is provided on **Table 1**. Groundwater analytical results for the April 22, 2014 groundwater sampling event are summarized in **Table 2**. Monitoring well locations are included on **Figure 1**, along with data boxes that include groundwater elevation, total BTEX concentration, and MTBE concentration.

6 CONCLUSIONS AND REMEDIAL ACTION PLAN

As part of the remedial action plan to address petroleum impacted soil and groundwater at the project site, a total of 1,058 tons of soil was excavated for proper disposal during the February 2014 and July 2007 remedial soil excavations. Soil throughout the excavation was removed down to bedrock, and the excavation was extended to the point at which clean endpoint samples were achieved. Remedial excavation extents are outlined on **Figure 1**. Endpoint soil samples collected during the February 2014 remedial soil excavation were predominantly non-detect or below CP-51 soil cleanup objectives for VOCs. One endpoint sample collected during tank removal activities in May 2013 (*T3 S. End 5'*) indicated residual petroleum impacts beneath the sidewalk, where xylenes (2,240 ug/kg) and 1,2,4-trimethylbenzene (8,220 ug/kg) exceeded CP-51 soil cleanup objectives. However, these concentrations are below the Residential (Restricted Use) soil clean up objectives (6 NYCRR Part 375-6.8(b)). This soil could not be excavated due to the proximity to the sidewalk and underground power line.

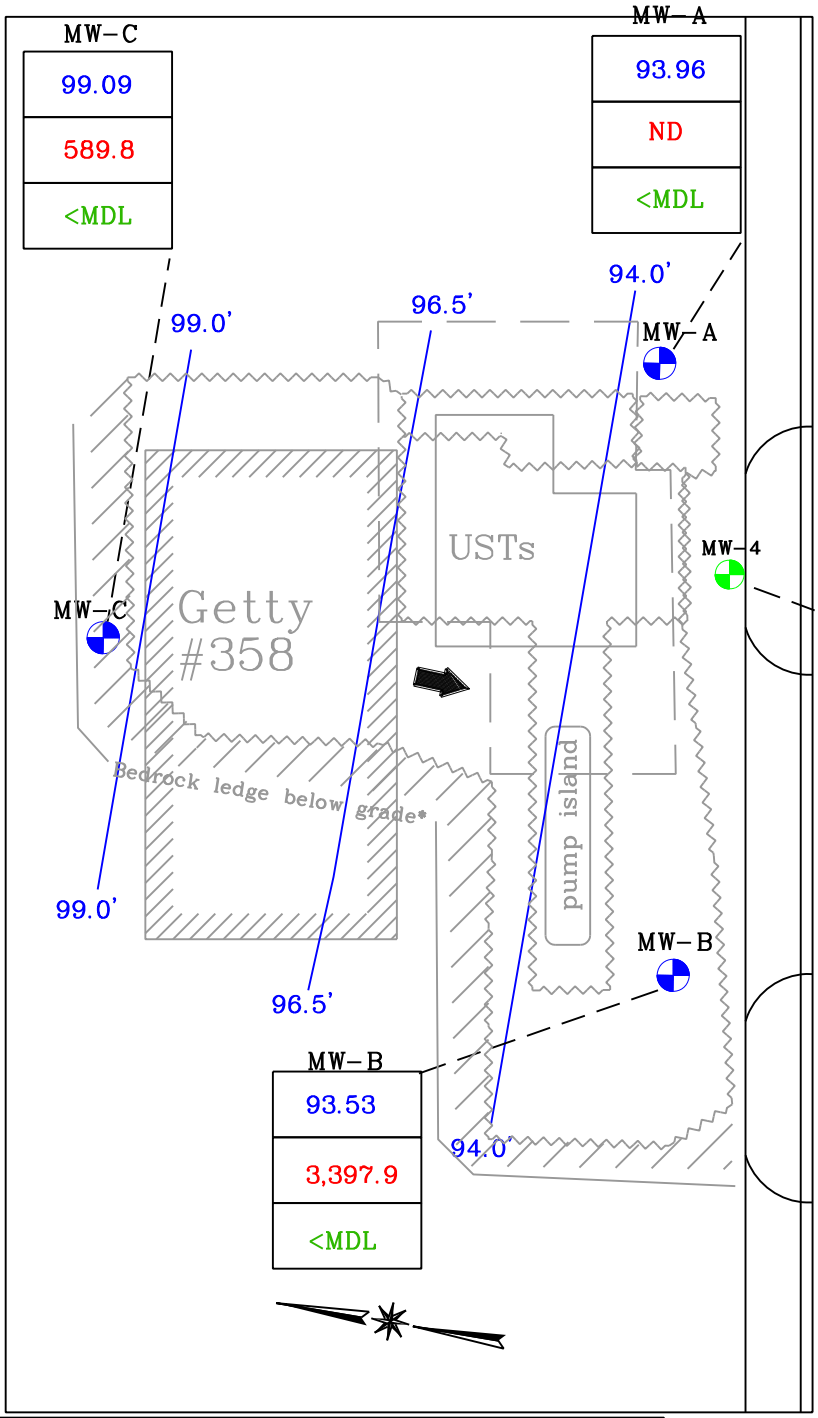
With the source of petroleum impacts substantially excavated from the project site, a bedrock groundwater investigation was completed. Dissolved concentrations of VOCs were detected in the bedrock groundwater in MW-B and MW-C, at concentrations exceeding New York State Groundwater Standards. Concentrations of VOCs were not detected in MW-A. Benzene concentrations in MW-B (119.0 ug/l) and MW-C (2.6 ug/l) were low compared to the xylenes concentrations in MW-B (1,380 ug/l) and MW-C (361 ug/l). Although not a definitive method for age determination, a low ratio of benzene to xylenes can generally indicate that the impacts are weathered, and should continue to degrade by natural attenuation with the removal of the impacted soil. Groundwater flow direction was determined to be toward the south-southwest, toward Lincoln Avenue.

As part of a continued remedial action plan, Tyree recommends that monitoring wells MW-A, MW-B, and MW-C be included in a post-remediation groundwater monitoring program to track the VOC concentrations in response to the source removal actions. Groundwater samples will be collected on a quarterly basis, beginning in June 2014, and analyzed for benzene, toluene, ethylbenzene, xylenes (BTEX), and MTBE by EPA method 8260. Groundwater monitoring reports will be completed on a quarterly basis, and will include a summary of data, a site data map, analytical trend graphs, laboratory reports, and project recommendations.

7 LIMITATIONS

This Bedrock Well Installation and Remedial Action Plan was prepared for Getty Realty Corp. The results provided by Tyree in this report are based solely on the information reported in this document. Future investigation results may result in a modification of the conclusions stated above. The conclusions presented are based upon the current regulatory climate and may require revision if future regulatory changes occur. The

investigation and report have been conducted in accordance with generally accepted industry practices. No warranty, expressed or implied, is made.



Legend

99.09	Relative Groundwater Elevation (ft)
589.8	Total BTEX Concentration (ug/l)
<MDL	MTBE Concentration (ug/l)

ND Not Detected
NG Not Gauged
NS Not Sampled
<MDL Less than method detection limits

99.0' Relative Groundwater Elevation Contour

Generalized GW Flow Direction

MW-4
NG
NS
NS

Lincoln Avenue

Young Avenue

Legend

Proposed Well Location PW-1

1- inch Monitoring Well MW-4

Bedrock Monitoring Well MW-A

GW flow direction

Bedrock ledge below grade*

2007 Excavation Extent

2013 Excavation Extent

2014 Excavation Extent

TYREE ENVIRONMENTAL CORP.

TITLE: Bedrock Groundwater Data Map
April 22, 2014

SITE: Getty Service Station # 00358
LOCATION: 185 Lincoln Avenue
Pelham, New York
CLIENT: Getty Reality Corp.
DRW BY: HLS 4/22/14

SCALE 1" = 21.5 ft

PLATE Figure 1

TABLE 1.
SUMMARY OF GROUNDWATER ELEVATION GAUGING DATA

GETTY SERVICE STATION # 00358
185 Lincoln Avenue
Pelham, NY

(All measurements are in decimal feet)

Well ID	Well Gauging Date	Top of Well Casing	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Relative Groundwater Elevation
MW-A	4/22/2014	100.94	6.98	NFP	0.00	93.96
MW-B	4/22/2014	100.93	7.40	NFP	0.00	93.53
MW-C	4/22/2014	101.89	2.80	NFP	0.00	99.09

TABLE 2.
SUMMARY OF QUARTERLY GROUNDWATER ANALYTICAL RESULTS

GETTY SERVICE STATION # 00358
185 Lincoln Avenue
Pelham, NY

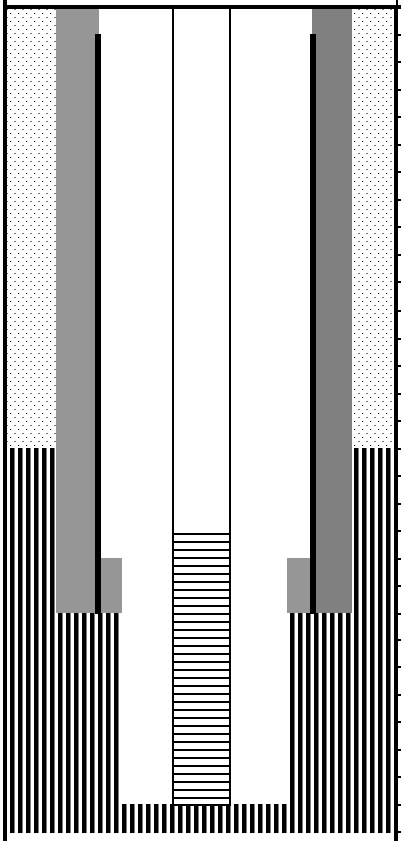
Well ID	Sample Collection Date	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Total Xylenes (ppb)	Total BTEX (ppb)	MTBE (ppb)
MW-A	4/22/2014	<MDL	<MDL	<MDL	<MDL	ND	<MDL
MW-B	4/22/2014	**119.0**	**68.9**	**1,830.0**	**1,380.0**	3,397.9	<MDL
MW-C	4/22/2014	**2.6**	**24.2**	**202**	**361**	589.8	<MDL
NYSDEC Groundwater Standards		1	5	5	5	No NYSDEC Groundwater Standard Listed	10

Notes:
NA - Well Not Accessible
NS - Not Sampled
ND - Not Detected
DRY - Well Not Sampled, Insufficient Water Yield
LPH - Liquid Phase Hydrocarbons
(Bold Value) - Concentration exceeds NYSDEC groundwater standard
<- Less Than
<MDL - Below Method Detection Limit*
*Method detection limits are below NYSDEC groundwater standards unless otherwise noted

APPENDIX A

Borehole and Well Construction Logs

Tyree Environmental Corp. 72 Gray's Bridge Road, Brookfield, Connecticut 06804	Project	Getty # 00358	Boring ID / Well ID **MW-A**
	Location	185 Lincoln Avenue Pelham, NY	
	Facility ID	NYS PBS # 3-137642	Well Permit No. N/A
Driller: Associated Environmental Services	Drill Rig	Air Rotary and Hollow Stem Auger	
Inspector: Harry Sudwischer	Development Method	Purge	Duration/Yield: 42 galllons
Completion Date: 4/22/2014	Total Depth	28.93' bgs	Screen Depth: 19'-29'
Screen: 10'	Riser	19'	Gravel Pack: None
PVC Well Diameter: 2"	TOC Elevation	100.94'	Water Table Elev./Date: 93.96' - 4/22/14
Metal Riser Diameter: 4"	Date Installed	4/22/2014	DTW/DTB: 6.98' - 28.93'



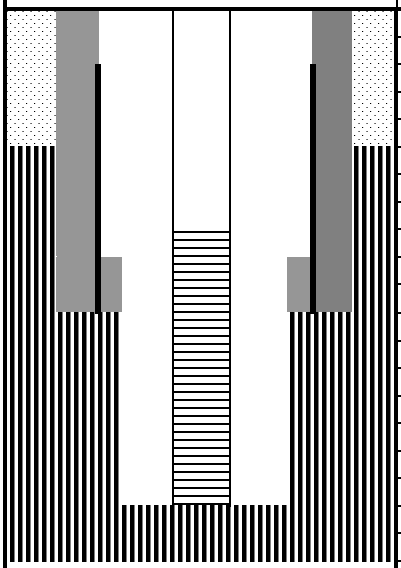
Description

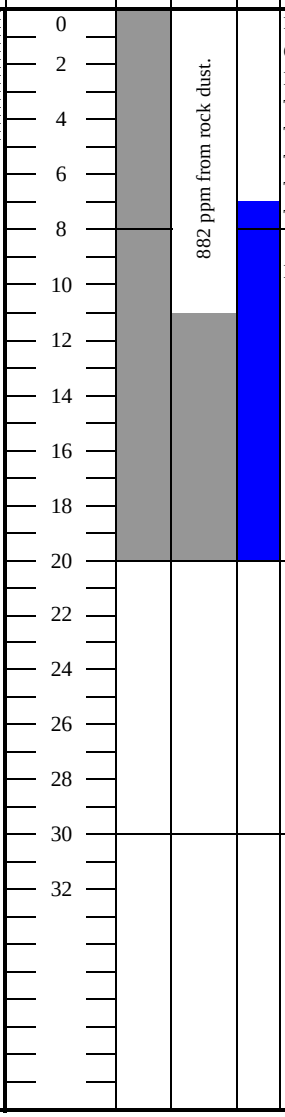
Fill and native soils were present 0'- 16' BGS.
Competant bedrock was present at 16' BGS.
Metal Riser was installed from 1' - 22' BGS.
The well was grouted in place from 0'-22' bgs.
The grout sealed the overburden soils from the bedrock.
The air rotary drilled through the grout on 4/22/14.
The water table was measured to be at 6.98' below TOC on 4/22/14.
The well was set in an "open hole". A void space surrounds the PVC riser.

Notes: Samples were not collected as the well was set in bedrock.

Metal Riser | Bedrock | Screen | PVC Riser | Sand Pack | Grout | Void space

Tyree Environmental Corp. 72 Gray's Bridge Road, Brookfield, Connecticut 06804	Project	Getty # 00358	Boring ID / Well ID **MW-B**
	Location	185 Lincoln Avenue Pelham, NY	
	Facility ID	NYS PBS # 3-137642	Well Permit No. N/A
Driller: Associated Environmental Services	Drill Rig	Geo Probe and Hollow Stem Auger with Air Rotary drill bits	
Inspector: Harry Sudwischer	Development Method	Purge	Duration/Yield: 35 galllons
Completion Date: 4/21/2014	Total Depth	18.68' bgs	Screen Depth: 8'-18'
Screen: 10'	Riser	8'	Gravel Pack: None
PVC Well Diameter: 2"	TOC Elevation	100.93'	Water Table Elev./Date: 93.53' - 4/22/14
Metal Riser Diameter: 4"	Date Installed	4/21/2014	DTW/DTB: 7.40' - 18.64'





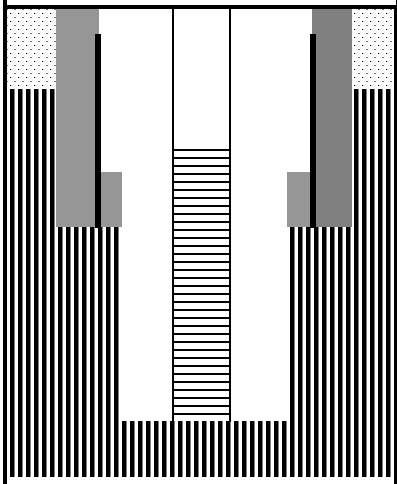
Description

Fill and native soils were present 0'- 5' BGS.
Competant bedrock was present at 5' BGS.
Metal Riser was installed from 2' - 11' BGS.
The well was grouted in place from 0'-11' bgs.
The grout sealed the overburden soils from the bedrock.
The air rotary drilled through the grout on 4/21/14.
The water table was measured to be at 7.40' below TOC on 4/22/14.
The well was set in an "open hole". A void space surrounds the PVC riser.

Notes: During the initial air rotary drilling the rock dust exhibited petroleum odors.
The rock dust headspace PID reading was 882 ppm.
Samples were not collected as the well was set in bedrock.

Metal Riser | Bedrock | Screen | PVC Riser | Sand Pack | Grout | Void space

Tyree Environmental Corp. 72 Gray's Bridge Road, Brookfield, Connecticut 06804	Project	Getty # 00358	Boring ID / Well ID **MW-C**
	Location	185 Lincoln Avenue Pelham, NY	
	Facility ID	NYS PBS # 3-137642	Well Permit No. N/A
Driller: Associated Environmental Services	Drill Rig	Geo Probe and Hollow Stem Auger with Air Rotary drill bits	
Inspector: Harry Sudwischer	Development Method	Purge	Duration/Yield: 27 galllons
Completion Date: 4/21/2014	Total Depth	15.13' bgs	Screen Depth: 5'-15'
Screen: 10'	Riser	5'	Gravel Pack: None
PVC Well Diameter: 2"	TOC Elevation	101.89'	Water Table Elev./Date: 99.09' - 4/22/14
Metal Riser Diameter: 4"	Date Installed	4/21/2014	DTW/DTB: 2.80' - 15.13'



Description

Fill and native soils were present 0'- 3' BGS.
Competant bedrock was present at 3' BGS.
Metal Riser was installed from 1' - 8' BGS.
The well was grouted in place from 0'-8' bgs.
The grout sealed the overburden soils from the bedrock.
The air rotary drilled through the grout on 4/21/14.
The water table was measured to be at 2.80' below TOC on 4/22/14.
The well was set in an "open hole". A void space surrounds the PVC riser.

Notes: Samples were not collected as the well was set in bedrock.

Metal Riser | Bedrock | Screen | PVC Riser | Sand Pack | Grout | Void space

APPENDIX B

Laboratory Reports

New England ACCUTEST LABORATORIES

04/25/14

Technical Report for

Tyree

Getty 00358, 185 Lincoln Avenue, Pelham, NY

2140127-422

Accutest Job Number: MC29974

Sampling Date: 04/22/14

Report to:

Tyree
72 Gray's Bridge Road Box 16, Unit "I"
Brookfield, CT
bwarner@tyreeorg.com

ATTN: Brian Warner

Total number of pages in report: **11**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Reza Tand
Lab Director

Client Service contact: Jeremy Vienneau 508-481-6200

Certifications: MA (M-MA136,SW846 NELAC) CT (PH-0109) NH (250210) RI (00071) ME (MA00136) FL (E87579) NY (11791) NJ (MA926) PA (6801121) ND (R-188) CO MN (11546AA) NC (653) IL (002337) WI (399080220) DoD ELAP (L-A-B L2235)

Test results relate only to samples analyzed.

Sections: 1 2 3 4

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Sample Summary

Tyree

Job No: MC29974

Getty 00358, 185 Lincoln Avenue, Pelham, NY
Project No: 2140127-422

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
MC29974-1	04/22/14	10:25	HS	04/23/14	AQ	Ground Water	MW-B
MC29974-2	04/22/14	11:40	HS	04/23/14	AQ	Ground Water	MW-C
MC29974-3	04/22/14	15:00	HS	04/23/14	AQ	Ground Water	MW-A

Summary of Hits

Job Number: MC29974
Account: Tyree
Project: Getty 00358, 185 Lincoln Avenue, Pelham, NY
Collected: 04/22/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC29974-1	**MW-B**					
Benzene		119	0.50		ug/l	SW846 8260C
Toluene		68.9	1.0		ug/l	SW846 8260C
Ethylbenzene		1830	50		ug/l	SW846 8260C
Xylene (total)		1380	50		ug/l	SW846 8260C
MC29974-2	**MW-C**					
Benzene		2.6	0.50		ug/l	SW846 8260C
Toluene		24.2	1.0		ug/l	SW846 8260C
Ethylbenzene		202	1.0		ug/l	SW846 8260C
Xylene (total)		361	1.0		ug/l	SW846 8260C
MC29974-3	**MW-A**					
No hits reported in this sample.						

New England ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	MW-B		
Lab Sample ID:	MC29974-1	**Date Sampled:**	04/22/14
Matrix:	AQ - Ground Water	**Date Received:**	04/23/14
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Getty 00358, 185 Lincoln Avenue, Pelham, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V30173.D	1	04/24/14	AMY	n/a	n/a	MSV1127
Run #2	V30226.D	50	04/25/14	AMY	n/a	n/a	MSV1129

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	119	0.50	ug/l	
108-88-3	Toluene	68.9	1.0	ug/l	
100-41-4	Ethylbenzene	1830 [a]	50	ug/l	
1330-20-7	Xylene (total)	1380 [a]	50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	74%	80%	70-130%
2037-26-5	Toluene-D8	99%	91%	70-130%
460-00-4	4-Bromofluorobenzene	85%	89%	70-130%

(a) Result is from Run# 2

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-C		
Lab Sample ID:	MC29974-2	**Date Sampled:**	04/22/14
Matrix:	AQ - Ground Water	**Date Received:**	04/23/14
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Getty 00358, 185 Lincoln Avenue, Pelham, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V30225.D	1	04/25/14	AMY	n/a	n/a	MSV1129
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	2.6	0.50	ug/l	
108-88-3	Toluene	24.2	1.0	ug/l	
100-41-4	Ethylbenzene	202	1.0	ug/l	
1330-20-7	Xylene (total)	361	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	77%		70-130%
2037-26-5	Toluene-D8	100%		70-130%
460-00-4	4-Bromofluorobenzene	93%		70-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-A		
Lab Sample ID:	MC29974-3	**Date Sampled:**	04/22/14
Matrix:	AQ - Ground Water	**Date Received:**	04/23/14
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Getty 00358, 185 Lincoln Avenue, Pelham, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V30224.D	1	04/25/14	AMY	n/a	n/a	MSV1129
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	0.50	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		70-130%
2037-26-5	Toluene-D8	95%		70-130%
460-00-4	4-Bromofluorobenzene	93%		70-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

New England ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

ACCUTEST LABORATORIES

CHAIN OF CUSTODY

Accutest Laboratories of New England
495 Technology Center West, Building One
TEL. 508-481-6200 FAX: 508-481-7753
www.accutest.com

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FED-EX Tracking #: | Bottle Order Control #:
Accutest Quote #: | Accutest Job #: MC29974

Client / Reporting Information

Company Name: Tyree Environmental Corp
Street Address: 72 Grays Bridge Rd
City: Brookfield State: CT Zip: 06804
Project Contact: Brian Warner E-mail:
Phone #: (203) 740-8207 (ext 3116) Fax #:
Sampler(s) Name(s): Harry Sudwischer Phone #:

Project Information

Project Name: Cegay 00358
Street: 185 Lincoln Ave
City: Pelham, NY
Project #: 2140127-422
Client PO#:
Project Manager: Brian Warner
Attention: PO#:

Billing Information (If different from Report to)

Company Name:
Street Address:
City: State: Zip:

Requested Analysis (see TEST CODE sheet)

BTEX + MTBE 8260

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB-Field Blank
EB- Equipment Blank
RB- Rinse Blank
TB-Trip Blank

Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	Bisulfate	LAB USE ONLY
-1	MW-B		4/22/14	1025	HLS	GW	3	3									
-2	MW-C		"	1140	"	"	"	"									
-3	MW-A		4/22/14	1500	HLS	GW	3	3									

Turnaround Time (Business days)

- ☐ Std. 10 Business Days
- ☐ Std. 5 Business Days (By Contract only)
- ☐ 5 Day *RUSH*
- ☐ 3 Day *EMERGENCY*
- ☒ 2 Day *EMERGENCY*
- ☐ 1 Day *EMERGENCY*

Emergency & Rush T/A data available VIA Lablink

Approved By (Accutest PM): / Date:

RUSH!

Data Deliverable Information

- ☐ Commercial "A" (Level 1)
- ☐ Commercial "B" (Level 2)
- ☐ FULLT1 (Level 3+4)
- ☐ CT RCP
- ☐ MA MCP
- ☐ NYASP Category A
- ☐ NYASP Category B
- ☐ State Forms
- ☐ EDD Format
- ☐ Other

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary

Comments / Special Instructions

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1		1 FX	2 FX	4/23/14 8:00	2
Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
3		3	4		4
Relinquished by:	Date Time:	Received By:	Custody Seal # ☐ Intact ☐ Not Intact	Preserved where applicable ☐	On Ice ☐ Cooler Temp. 2.1°
5		5			

MC29974: Chain of Custody
Page 1 of 2

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: MC29974 **Client:** TYREE **Immediate Client Services Action Required:** No

Date / Time Received: 4/23/2014 **Delivery Method:** **Client Service Action Required at Login:** No

Project: GETTY 00358 **No. Coolers:** 1 **Airbill #'s:**

Cooler Security	Y	N		Y	N
1. Custody Seals Present:	☑	☐	3. COC Present:	☑	☐
2. Custody Seals Intact:	☑	☐	4. Smpl Dates/Time OK	☑	☐

Cooler Temperature	Y	N
1. Temp criteria achieved:	☑	☐
2. Cooler temp verification:	Infared gun	
3. Cooler media:	Ice (bag)	

Quality Control Preservation	Y	N	N/A
1. Trip Blank present / cooler:	☐	☑	☐
2. Trip Blank listed on COC:	☐	☑	☐
3. Samples preserved properly:	☑	☐	
4. VOCs headspace free:	☑	☐	☐

Sample Integrity - Documentation	Y	N
1. Sample labels present on bottles:	☑	☐
2. Container labeling complete:	☑	☐
3. Sample container label / COC agree:	☑	☐

Sample Integrity - Condition	Y	N
1. Sample recvd within HT:	☑	☐
2. All containers accounted for:	☑	☐
3. Condition of sample:	Intact	

Sample Integrity - Instructions	Y	N	N/A
1. Analysis requested is clear:	☑	☐	
2. Bottles received for unspecified tests	☐	☑	
3. Sufficient volume recvd for analysis:	☑	☐	
4. Compositing instructions clear:	☐	☐	☑
5. Filtering instructions clear:	☐	☐	☑

Comments

Accutest Laboratories
V:508.481.6200

495 Technology Center West, Bldg One
F: 508.481.7753

Marlborough, MA
www/accutest.com

MC29974: Chain of Custody
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