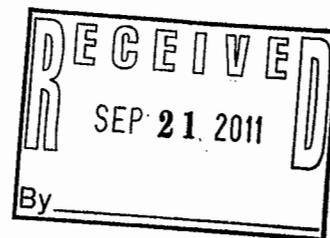




LMG

LAND MANAGEMENT GROUP INC.
Environmental Consultants

NEW 32735



October 26, 2010

RE: Phase II ESA
STK Properties
501 N. 3rd Street
Wilmington, North Carolina 28401

Rosana Neilson
First Federal Bank
2440 Mall Drive
Charleston, South Carolina 29406

Ms. Neilson:

Project History

Land Management Group, Inc. (LMG) contracted with Southeastern Locating Services out of New Bern, North Carolina to have the two underground storage tank (UST) basins properly marked at the property on October 6, 2010 (Appendix A). LMG mobilized to the site on October 11 and 12, 2010 for the purposes of investigating the two UST basins, the product dispenser island and the hydraulic lift cylinder located in the northern portion of the former service bays (Figures 1, 2 and 3). LMG also contracted with Mid Atlantic Drilling out of Carolina Beach, North Carolina, who performed four Geoprobe soil borings, GP-1, GP-2, SS-3 and SS-4 and then installed two groundwater monitoring wells MW-1 (GP-1) and MW-2 (GP-2). LMG contracted with Mid Atlantic Drilling to have a hole cut in the concrete floor of the former service bay adjacent to the hydraulic lift cylinder UST. LMG advanced soil boring SS-5 with a stainless steel decontaminated hand auger. The soil boring logs are depicted in Appendix B. The groundwater monitoring records are depicted in Appendix C.

www.lmggroup.net • info@lmggroup.net • Phone: 910.452.0001 • Fax: 910.452.0060
3805 Wrightsville Ave., Suite 15, Wilmington, NC 28403 • P.O. Box 2522, Wilmington,
NC 28402

Soil and Groundwater Sampling

A soil sample was collected at each of the monitor well locations from a depth above the water table utilizing the Geoprobe Rig and a stainless steel macro core to perform the soil borings (Appendix B). The groundwater monitoring wells construction details are provided in Table 1 and Appendix C. The wells were constructed using 0.010 inch slotted, 2-inch PVC screens and casing. A washed sand filter pack was emplaced in the well boring annulus to a depth equal to approximately one to two feet above the top of the screen depth. A minimum of one foot of bentonite and neat cement grout was then emplaced on top of the sand pack and hydrated in order to seal the screened interval from the upper portion of the monitoring well boring. A locking cap, 8-inch steel flush mount manhole cover and a concrete pad were installed to complete each monitoring well. LMG used a new disposable bailer to properly develop and purge each of the two groundwater monitoring wells MW-1 and MW-2 as well as the previously installed groundwater monitoring well MW-6. The groundwater monitoring well was installed on the property in 2008 during a Phase II ESA performed on the adjacent former farmer supply located to the north of the property.

A soil sample was collected at each of the groundwater monitoring well locations from a depth above the water table from the Geoprobe borings. The selected soil samples GP-1 (8-10'), GP-2 (8-10'), SS-3 (4-6'), SS-4 (4-6') and SS-5 (11-12') were collected for laboratory analysis. The soil samples were collected in the appropriate chilled glass containers provided by SGS Analytical Labs. The soil samples GP-1 (8-10'), GP-2 (8-10'), SS-3 (4-6'), SS-4 (4-6') and SS-5 (11-12') were analyzed for Total Petroleum Hydrocarbons (TPH) 8015 Gasoline Range Organics (GRO) and Diesel Range Organics (DRO). The locations of all of the soil samples are depicted in Figure 3.

LMG had the groundwater monitoring wells MW-1, MW-2 and MW-6 developed and purged on October 11, 2010. LMG remobilized to the property on October 12, 2010 and collected a representative groundwater sample from each of the three monitoring wells utilizing a new disposable bailer. The groundwater samples were collected in the appropriate chilled glass and plastic containers provided by SGS Analytical Labs. The groundwater samples were all analyzed by EPA Method 6200B for volatile organic compounds (VOCs), EPA Method 625 for semi-volatile organic compounds (SVOCs), MADEP VPH and EPH, and Chromium (Cr) and Lead (Pb). The soil and groundwater samples were hand delivered to SGS Analytical Labs in Wilmington, North Carolina following proper chain-of-custody procedures.

Soil and Groundwater Sampling Results

The laboratory analysis of the soil samples GP-1 (8-10'), GP-2 (8-10'), SS-3 (4-6'), SS-4 (4-6') and SS-5 (11-12') did not detect any TPH GRO in any of the soil samples. TPH DRO

was detected in the soil samples MW-2 (8-10') at 11.6 mg/kg (parts per million) and SS-4 at 6.58 mg/kg. The North Carolina Department of Environment and Natural Resources (NC DENR) Division of Waste Management (DWM) Soil-to-Groundwater standard for TPH DRO is 10 mg/kg. The detection of TPH DRO at 11.6 mg/kg in soil sample MW-2 (8-10') would be considered a violation by NC DENR DWM.

The laboratory analysis of the groundwater samples MW-1, MW-2, and MW-6 for VOCs detected one target analyte in the groundwater samples. Tetrachloroethylene (PCE) was detected in MW-2 at 10.1 ug/l (parts per billion) and in MW-6 at 25 ug/l. The NC DENR North Carolina Administrative Code 02L.0202 (NCAC 2L) Groundwater Quality Standard for PCE is 0.7 ug/L. The detection of PCE in MW-2 at 10.1 ug/l and MW-6 at 25 ug/l would be considered a groundwater violation by NC DENR DWM. The levels of PCE detected in MW-2 and MW-6 were detected at a level that is greater than 10 times the NCAC 2L groundwater quality standard. The laboratory analysis of the groundwater samples MW-1, MW-2, and MW-6 did not detect any SVOCs above the laboratory quantification limits. The laboratory analysis detected MADEP VPH and EPH in MW-1 and MW-2. The C₁₉-C₃₆ Aliphatics fraction was detected in MW-2 at 107 ug/l and the NCAC 2L groundwater quality standard for the C₁₉-C₃₆ Aliphatics fraction is 10 ug/l. The detection of C₁₉-C₃₆ Aliphatics fraction in MW-2 at 107 ug/l would be considered a NCAC 2L groundwater quality violation. The C₁₁-C₂₂ Aromatics fraction was detected in MW-1 at 152 ug/l and in MW-2 at 120 ug/l. These detections of C₁₁-C₂₂ Aromatics fraction are below the NCAC 2L groundwater quality standard. Chromium was detected in all three of the groundwater samples. Chromium was detected in MW-1 at 5.42 ug/l, Mw-2 at 5.2 ug/l and in MW-6 at 14.2 ug/l. The NCAC 2L groundwater quality standard for Chromium is 10 ug/l. The detection of Chromium in MW-6 at 14.2 would be considered a NCAC 2L groundwater quality violation.

Conclusions and Recommendations

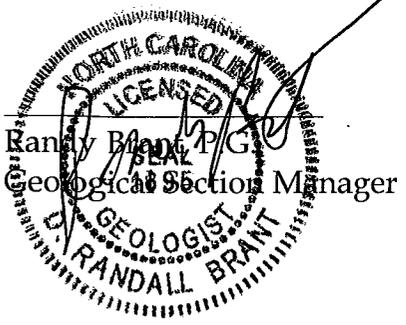
It is apparent based on the analytical results of the soil and groundwater samples that the two UST basins and associated product piping and dispensers had a minor release of petroleum in the past that has impacted the soil and groundwater at the property. The detection of TPH DRO at 11.6 mg/kg in soil sample MW-2 (8-10') would be considered a violation by NC DENR DWM. The detection of C₁₉-C₃₆ Aliphatics fraction in the groundwater sample MW-2 at 107 ug/l would be considered a NCAC 2L groundwater quality violation. No other target petroleum analytes were detected above the corresponding NC DENR DWM levels. It is LMG's opinion based on similar levels of petroleum compounds that NC DENR would not require any active remediation to clean up these low levels of petroleum compounds even though they are above the corresponding standards.

The only VOC detected at the property was PCE. PCE was detected in MW-2 at 10.1 ug/l and in MW-6 at 25 ug/l. The NCAC 2L groundwater quality standard for PCE is 0.7 ug/L. The detection of PCE in MW-2 at 10.1 ug/l and MW-6 at 25 ug/l would be

considered a groundwater violation by NC DENR DWM. The levels of PCE detected in MW-2 and MW-6 were detected at a level that is greater than 10 times the NCAC 2L groundwater quality standard. The source of the release of PCE is unknown; however, PCE was detected at the adjacent former farmer supply located to the north of the property in the Phase II conducted at that site in 2008. The environmental consultants that performed the Phase II ESA on the adjacent property concluded that the source of the PCE was from a site located to the east of that property across N. 3rd Street. This source was never identified. The use of the subject property as a gas station was well documented by aerial photographs, Polk City Directories and Sanborn Fire Insurance Maps. There was no indication in the available past historical references that the property may have ever had a different use that may have utilized PCE such as a dry cleaning facility.

It is apparent from the sampling results that PCE has impacted the groundwater at the property, but it is likely that the PCE migrated beneath the property from an off-site source. LMG recommends that First Federal Bank notify the property owner, STK Properties of the NC DENR regulations to report the NCAC 2L groundwater quality violations within a 24 hour period of time after the knowledge of the groundwater violations at the property. Please contact LMG if you have any questions about the recommendations outlined in this report.

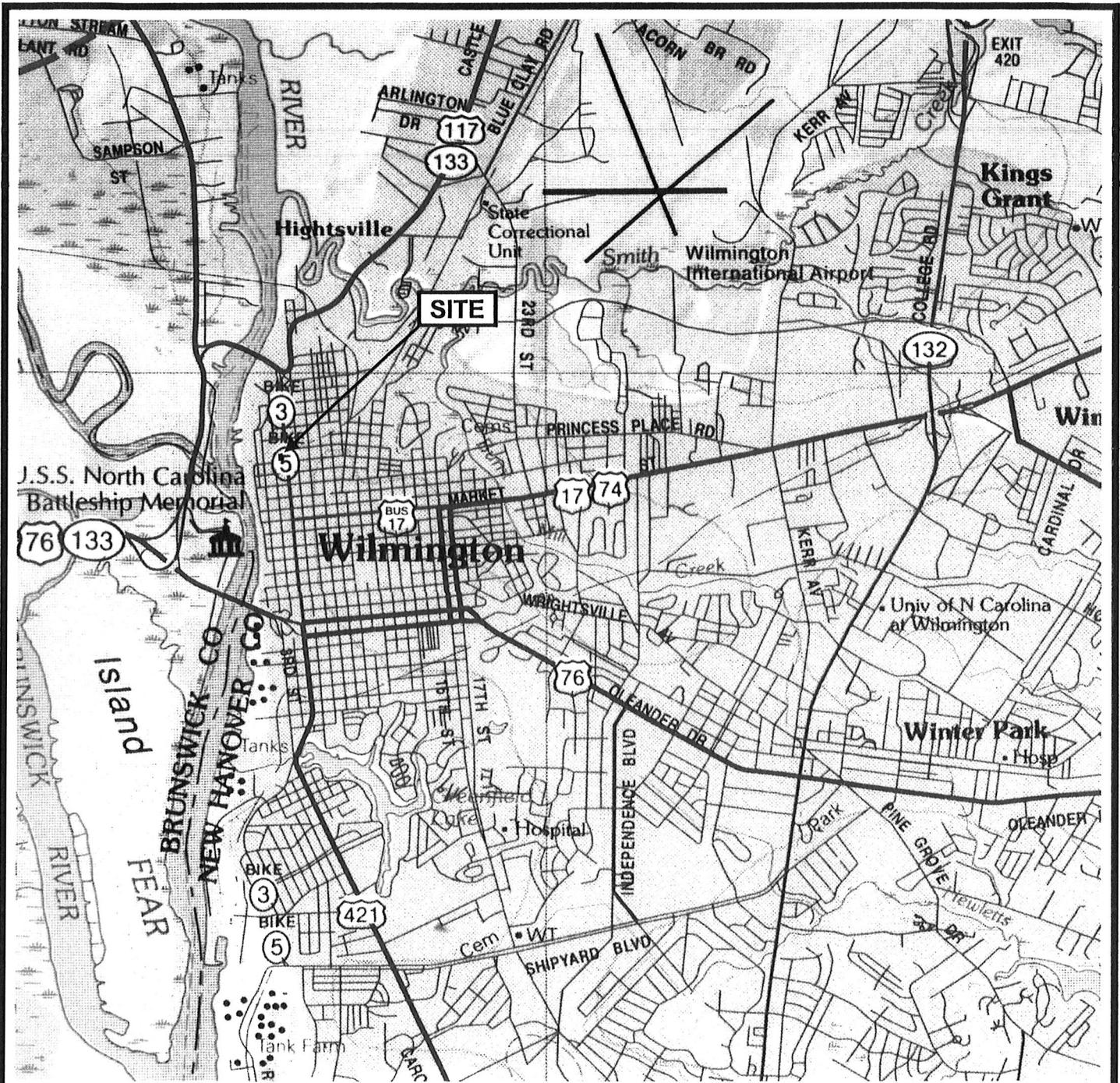
LAND MANAGEMENT GROUP, INC.



A handwritten signature in black ink, appearing to read "Rob Moul".

Rob Moul, MEM
Senior Reviewer

Figures



SITE



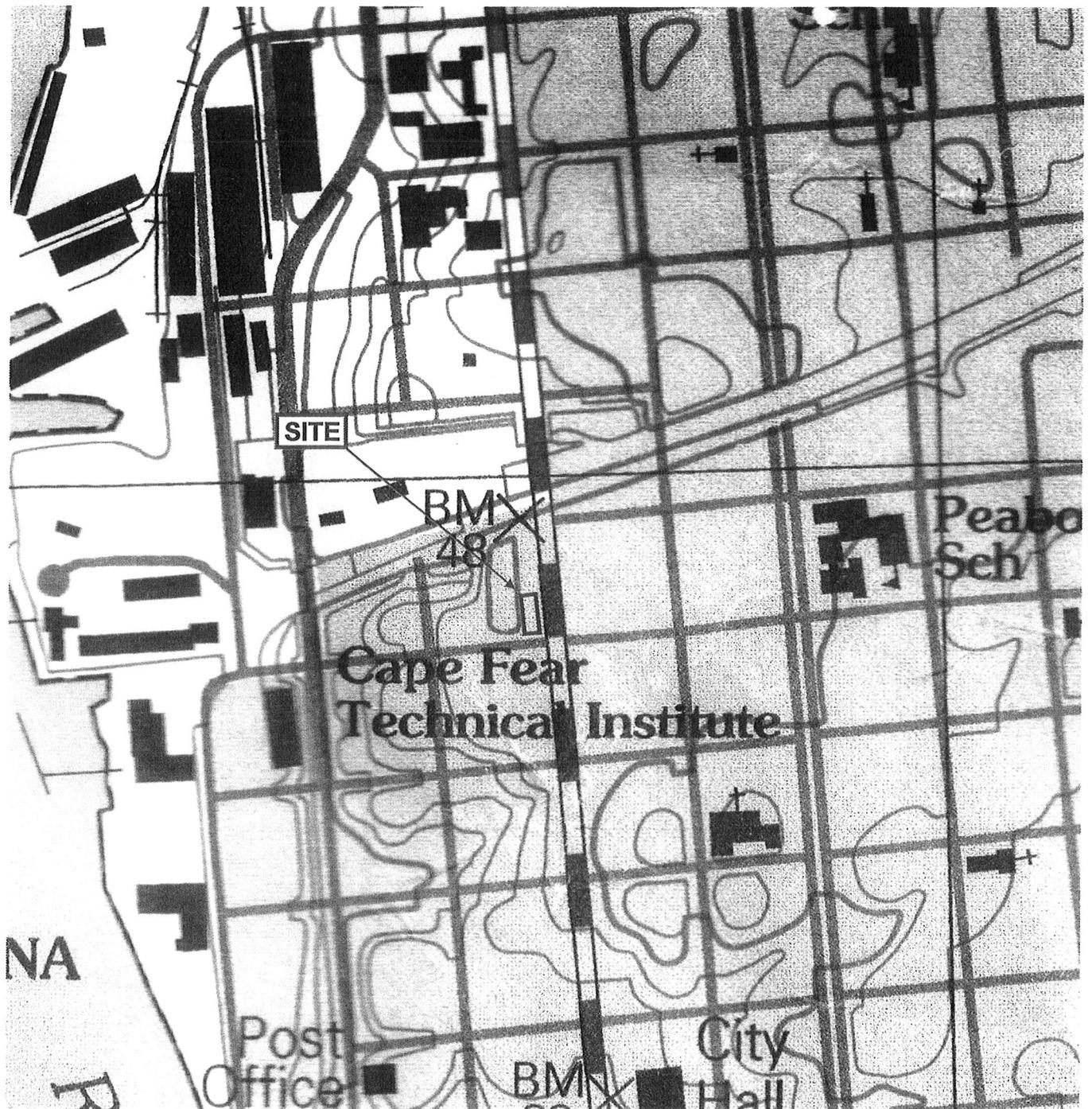
SCALE 1" = 1 MILE

Map Source: DeLorme: North Carolina Atlas and Gazetteer., 2003 p. 84.

Phase II ESA
 STK Properties
 501 N. 3rd Street
 Wilmington, NC
 60-10-123

Land Management Group, Inc.
 Environmental Consultants
 Wilmington, N.C.
 October 2010

Figure 1
 Site Location Map



The boundary information contained on this map has been overlaid with no ground control. Information as shown is approximate and not meant to be absolute. Boundary information taken from the New Hanover County GIS web database.



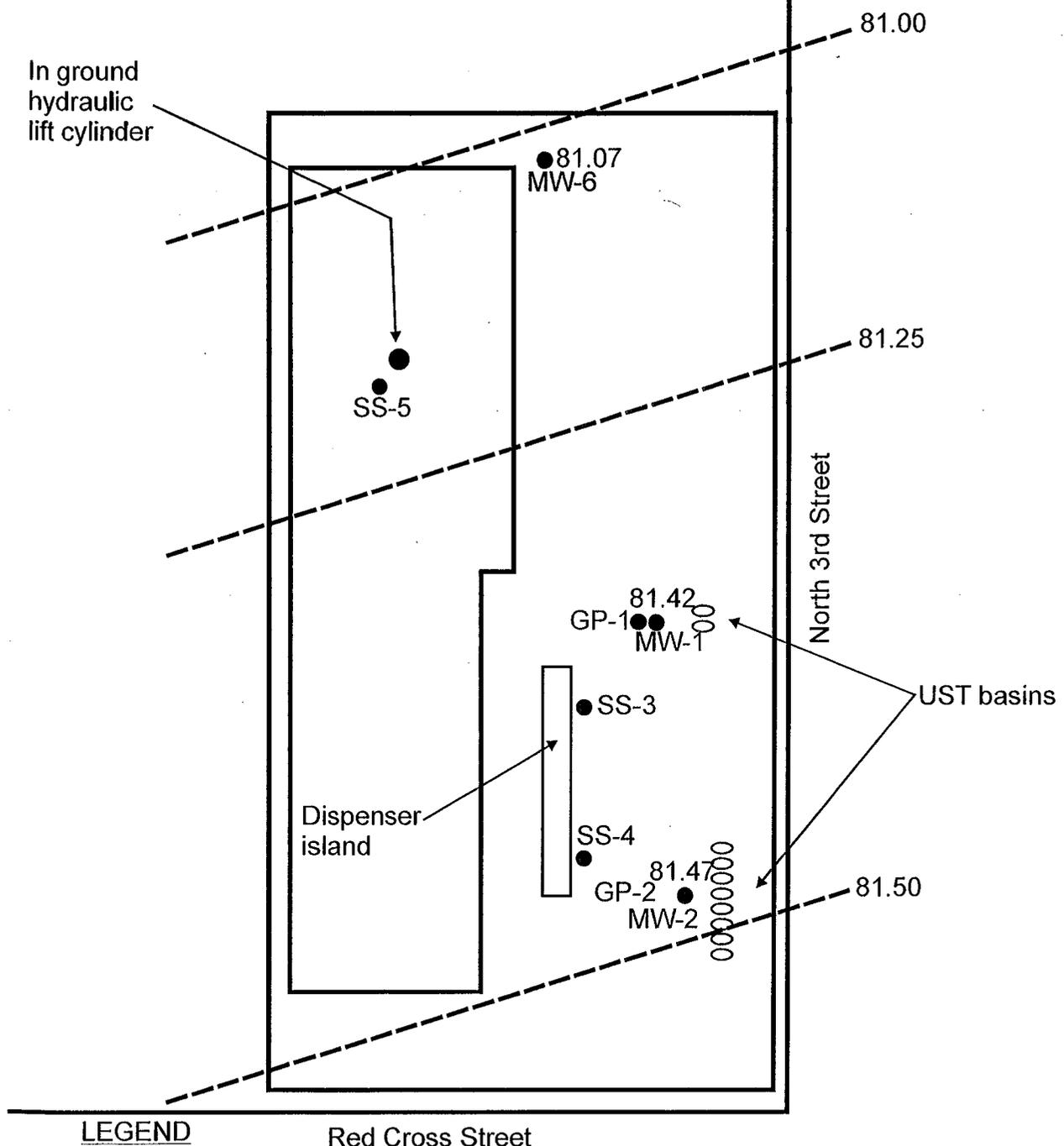
SCALE 1" = 500'

Map Source: Wilmington, N.C., 1993, USGS 7.5' Topographic quadrangle.

Phase II ESA
 STK Properties
 501 N. 3rd Street
 Wilmington, NC
 60-10-123

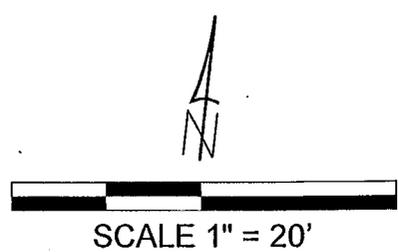
Land Management Group, Inc.
 Environmental Consultants
 Wilmington, N.C.
 October 2010

Figure 2
 1993 Topographic Quad



LEGEND

- Property Boundary
- - - 81.25 Approximate groundwater flow direction 10/13/10
- GP-1 Soil sample location
- SS-3 Soil sample location
- MW-1 Groundwater monitoring well
- MW-6 Existing groundwater monitoring well



Phase II ESA
 STK Properties
 501 N. 3rd Street
 Wilmington, NC
 60-10-123

Land Management Group, Inc.
 Environmental Consultants
 Wilmington, N.C.
 October 2010

Figure 3
 Sample Location Map

Tables

**TABLE 1
WELL CONSTRUCTION DETATILS
STK PROPERTIES
501 N. 3rd STREET
WILMINGTON, NORTH CAROLINA**

MONITOR WELL I.D.	DATE INSTALLED	SCREENED INTERVAL (feet BGS)	SANDPACK INTERVAL (feet BGS)	BENTONITE GROUT INTERVAL (feet BGS)	WELL CASING DIAMETER (inches)	GAUGING DATE	TOC ELEVATION (feet above msl)	DEPTH TO WATER (feet BTOC)
MW-1	10/11/10	9-24	7-24	0-7	2	10/13/10	98.62	17.20
MW-2	10/11/10	9-24	7-24	0-7	2	10/13/10	99.16	17.69
MW-6*	1/13/08	14-29	12-29	0-12	2	10/13/10	98.79	17.72

Notes: BGS = Below ground surface
msl = Mean Sea Level
BTOC = Below top of casing
TOC = Top of Casing was measured from an arbitrary point of 100 feet in elevation
* Well MW-6 was installed on the property by others

TABLE 2
SOIL ANALYTICAL RESULTS
STK PROPERTIES
501 N. 3rd STREET
WILMINGTON, NORTH CAROLINA 28401

Sample Location	Sample Date	Sample Depth (feet)	TPH-GRO (mg/Kg)	TPH DRO (mg/Kg)
MW-1 (8-10')	10/11/10	8-10	BQL	BQL
MW-2 (8-10')	10/11/10	8-10	BQL	11.6
SS-3 (4-6')	10/12/10	4-6	BQL	BQL
SS-4 (4-6')	10/12/10	4-6	BQL	6.58
SS-5 (11-12')	10/12/10	11-12	BQL	BQL
Soil-to-Groundwater			10	10

Notes:

Only those detected compounds are shown in table

BQL = Below Quantitation Limits

mg/Kg = milligrams per kilogram (parts per million)

Analyses shown in bold exceede Soil-to-Groundwater

-- not analyzed

Soil-to-Groundwater levels are reported from The NC DENR Division of Waste Management Guidelines For Assessment and Corrective Action, dated December 1, 2008.

NS = No Standard

**TABLE 3
GROUNDWATER ANALYTICAL RESULTS
STK PROPERTIES
501 N. 3rd STREET
WILMINGTON, NORTH CAROLINA 28401**

Sample Location	Sample Date	EPA 6200B VOC (ug/L)	MADEP VPH/EPH (ug/l)						EPA 6020 Metals (ug/L)		EPA 625 SVOC (ug/L)
		Tetrachloroethylene	C5-C8 Aliphatics	C9-C12 Aliphatics	C9-C18 Aliphatics	C19-C36 Aliphatics	C9-C10 Aromatics	C11-C22 Aromatics	Chromium	Lead	
MW-1	10/12/10	BQL	BQL	BQL	BQL	BQL	BQL	152	5.42	BQL	BQL
MW-2	10/12/10	10.1	BQL	BQL	BQL	107	BQL	120	5.2	BQL	BQL
MW-6	10/12/10	25	BQL	BQL	BQL	BQL	BQL	BQL	14.2	BQL	BQL
NC 2L Standard		0.7	400	700		10	200		10	15.00	NA
Gross Contamination Level		700	NS	NS		NS	NS		10,000	15,000	NA

Notes:

Only those detected compounds are shown in table

BQL = Below Quantitation Limits

ug/L = micrograms per liter (parts per billion)

Analyses shown in bold exceed NC 2L standards

-- not analyzed

NC 2L Standard = Title 15A of the North Carolina Administrative Code,

Chapter 2, Subchapter 2L (15 NCAC 02L .0202) ground water standards (2010).

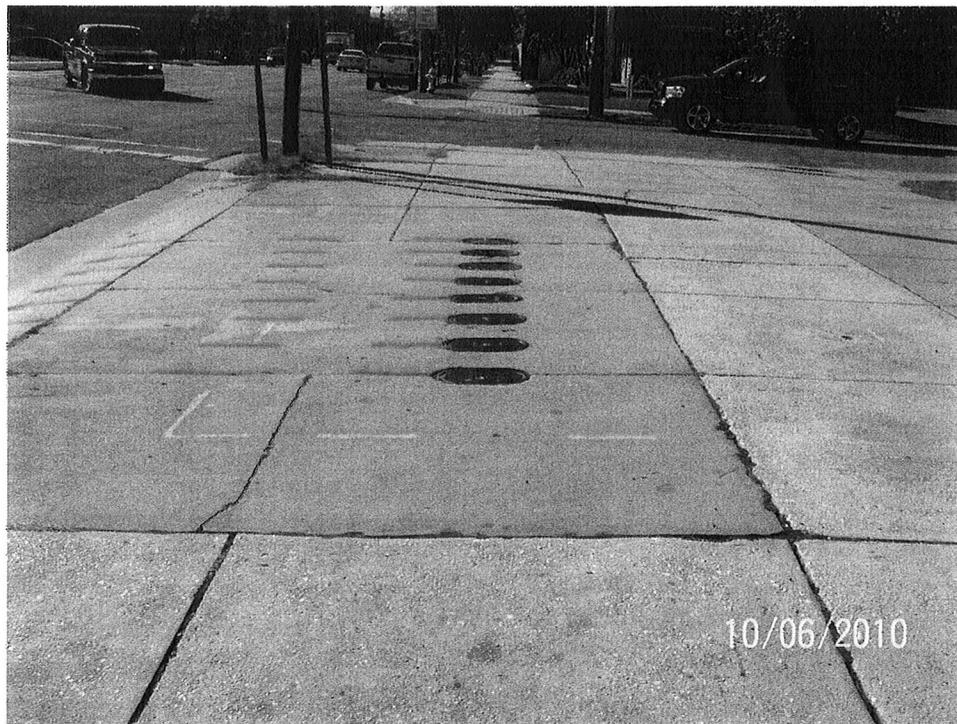
NS = No Standard

Appendix A
UST Basins Located

UST basin #1



UST basin #2



Phase II ESA
STK Properties
501 N. 3rd Street
Wilmington, NC
60-10-123

Land Management Group, Inc.
Environmental Consultants
Wilmington, N.C.
October 2010

Site Documentation
Photos

Appendix B
Boring Logs

**STK Properties
60-10-123
Phase II ESA
Boring Logs**

GP-1/MW-1

Interval (feet)	Sample type	PID -VOCs (ppm)	Description
0-2	MC	0	Light brown, non-cohesive, non-plastic, fine-grained quartz sand, low moisture content, no odor or stain.
2-4	MC	0	Light brown, non-cohesive, non-plastic, fine-grained quartz sand, low moisture content, no odor or stain.
4-6	MC	0	Light brown, non-cohesive, non-plastic, fine-grained quartz sand, low moisture content, no odor or stain.
6-8	MC	0	Brown, non-cohesive, non-plastic, fine-grained quartz sand, low moisture content, no odor or stain.
8-10	MC	3	Brown, non-cohesive, non-plastic, fine-grained quartz sand, low moisture content, no odor or stain. Sample collected for TPH GRO & DRO.
10-12	MC	0	Brown, non-cohesive, non-plastic, fine-grained quartz sand, low moisture content, no odor or stain.
12-14	MC	0	Light brown, non-cohesive, non-plastic, fine-grained quartz sand, moderate moisture content, no odor or stain.
14-16	MC	0	Beige, non-cohesive, non-plastic, fine- and medium-grained quartz sand, moderate moisture content, no odor or stain.
16-18	MC	0	Beige, non-cohesive, non-plastic, fine- and medium-grained quartz sand, high moisture content, no odor or stain.
18-20	MC	0	Beige, non-cohesive, non-plastic, fine- and medium-grained quartz sand, high moisture content, no odor or stain.
20-24	DC	NA	Dark brown, organic rich clay.

Notes: VOC = Volatile organic compound MC = Geoprobe macro core
 SS = split spoon sample DC = drill cuttings

GP-2/MW-2

Interval (feet)	Sample type	PID -VOCs (ppm)	Description
0-2	MC	0	Orange, non-cohesive, non-plastic, fine-grained quartz sand, low moisture content, no odor or stain.
2-4	MC	0	Orange, non-cohesive, non-plastic, fine-grained quartz sand, low moisture content, no odor or stain.
4-6	MC	0	Tan, non-cohesive, non-plastic, fine-grained quartz sand, low moisture content, no odor or stain.
6-8	MC	0.5	Brown, non-cohesive, non-plastic, fine-grained quartz sand, low moisture content, no odor or stain.
8-10	MC	2	Brown, non-cohesive, non-plastic, fine-grained quartz sand, low moisture content, no odor or stain. Sample collected for TPH GRO & DRO.
10-12	MC	1	Mottled dark brown and light brown, non-cohesive, non-plastic, fine-grained quartz sand, low moisture content, no odor or stain.
12-14	MC	0	Mottled dark brown and light brown, non-cohesive, non-plastic, fine-grained quartz sand, low moisture content, no odor or stain.
14-16	MC	0	Mottled dark brown and light brown, non-cohesive, non-plastic, fine-grained quartz sand, low moisture content, no odor or stain.
16-18	MC	0	Beige, non-cohesive, non-plastic, fine- and medium-grained quartz sand, high moisture content, no odor or stain.
18-20	MC	0	Beige, non-cohesive, non-plastic, fine- and medium-grained quartz sand, high moisture content, no odor or stain.
20-24	DC	NA	Drill cuttings, dark gray, organic rich clay.

Notes:

VOC = Volatile organic compound
SS = split spoon sample

MC = Geoprobe macro core
DC = drill cuttings

SS-4

Interval (feet)	Sample type	PID -VOCs (ppm)	Description
0-2	MC	0	Orange, non-cohesive, non-plastic, fine-grained quartz sand, low moisture content, no odor or stain.
2-4	MC	0	Orange, non-cohesive, non-plastic, fine-grained quartz sand, low moisture content, no odor or stain.
4-6	MC	0.5	Gray, non-cohesive, non-plastic, fine-grained quartz sand, low moisture content, no odor or stain. Sample collected for TPH GRO & DRO.
6-8	MC	0	Gray, non-cohesive, non-plastic, fine-grained quartz sand, low moisture content, no odor or stain.
8-10	MC	0	Gray, non-cohesive, non-plastic, fine-grained quartz sand, low moisture content, no odor or stain.
10-12	MC	0	Gray, non-cohesive, non-plastic, fine-grained quartz sand, low moisture content, no odor or stain.
12-14	MC	0	Gray, non-cohesive, non-plastic, fine-grained quartz sand, low moisture content, no odor or stain.
14-16	MC	0	Tan, non-cohesive, non-plastic, fine- and medium-grained quartz sand, moderate moisture content, no odor or stain.
16-18	MC	0	Tan, non-cohesive, non-plastic, fine- and medium-grained quartz sand, high moisture content, no odor or stain.

Notes: VOC = Volatile organic compound MC = Geoprobe macro core
 SS = split spoon sample DC = drill cuttings

SS-5

Interval (feet)	Sample type	PID -VOCs (ppm)	Description
0-2	HA	0	Tan, non-cohesive, non-plastic, fine-grained quartz sand, low moisture content, no odor or stain.
2-4	HA	0	Tan, non-cohesive, non-plastic, fine-grained quartz sand, low moisture content, no odor or stain.
4-6	HA	0	Orange, non-cohesive, non-plastic, fine-grained quartz sand, low moisture content, no odor or stain.
6-8	HA	0	Orange, non-cohesive, non-plastic, fine-grained quartz sand, low moisture content, no odor or stain.
8-10	HA	0	Light gray, non-cohesive, non-plastic, fine-grained quartz sand, low moisture content, no odor or stain.
10-12	HA	0	Light gray, non-cohesive, non-plastic, fine-grained quartz sand, low moisture content, no odor or stain. Sample collected for TPH GRO & DRO.

Notes:

VOC = Volatile organic compound
SS = split spoon sample

MC = Geoprobe macro core
HA = Hand auger

Appendix C
Well Construction Records



NON RESIDENTIAL WELL CONSTRUCTION RECORD

North Carolina Department of Environment and Natural Resources- Division of Water Quality
WELL CONTRACTOR CERTIFICATION # 2869

1. WELL CONTRACTOR:

Bobbie D Fowler Jr
Well Contractor (Individual) Name
Mid-Atlantic Drilling, Inc.
Well Contractor Company Name
PO Box 315
Street Address
Carolina Beach NC 28428
City or Town State Zip Code

(910) 458-5020
Area code Phone number

2. WELL INFORMATION:

WELL CONSTRUCTION PERMIT# _____
OTHER ASSOCIATED PERMIT#(if applicable) _____
SITE WELL ID #(if applicable) MW-2

3. WELL USE (Check One Box) Monitoring Municipal/Public
Industrial/Commercial Agricultural Recovery Injection
Irrigation Other (list use) _____

DATE DRILLED 10/11/2010

4. WELL LOCATION:

501 N. 3rd Street
(Street Name, Numbers, Community, Subdivision, Lot No., Parcel, Zip Code)

CITY: Wilmington COUNTY New Hanover

TOPOGRAPHIC / LAND SETTING: (check appropriate box)

Slope Valley Flat Ridge Other _____

LATITUDE 34 ° 14 ' 28.0000 " DMS OR _____ DD

LONGITUDE 77 ° 56 ' 50.0000 " DMS OR _____ DD

Latitude/longitude source: GPS Topographic map
(location of well must be shown on a USGS topo map and attached to this form if not using GPS)

5. FACILITY (Name of the business where the well is located.)

Kings Scooters
Facility Name Facility ID# (if applicable) _____

501 N. 3rd Street
Street Address

Wilmington NC 28401
City or Town State Zip Code

Tony Karatas
Contact Name

501 N. 3rd Street
Mailing Address

Wilmington NC 28401
City or Town State Zip Code

(910) 395-0601
Area code Phone number

6. WELL DETAILS:

- a. TOTAL DEPTH: 24
- b. DOES WELL REPLACE EXISTING WELL? YES NO
- c. WATER LEVEL Below Top of Casing: 17.69 FT.
(Use "+" if Above Top of Casing)

d. TOP OF CASING IS 0 FT. Above Land Surface*
*Top of casing terminated at/or below land surface may require a variance in accordance with 15A NCAC 2C .0118.

e. YIELD (gpm): _____ METHOD OF TEST _____

f. DISINFECTION: Type _____ Amount _____

g. WATER ZONES (depth):
Top _____ Bottom _____ Top _____ Bottom _____
Top _____ Bottom _____ Top _____ Bottom _____
Top _____ Bottom _____ Top _____ Bottom _____

7. CASING: Depth	Diameter	Thickness/Weight	Material
Top <u>0</u> Bottom <u>9</u> Ft. <u>2"</u>		<u>sch 40</u>	<u>PVC</u>
Top _____ Bottom _____ Ft. _____			
Top _____ Bottom _____ Ft. _____			

8. GROUT: Depth	Material	Method
Top <u>2</u> Bottom <u>7</u> Ft. <u>Bentonite Chi</u>		<u>Pour</u>
Top <u>0</u> Bottom <u>2</u> Ft. <u>Concrete</u>		<u>Pour</u>
Top _____ Bottom _____ Ft. _____		

9. SCREEN: Depth	Diameter	Slot Size	Material
Top <u>9</u> Bottom <u>24</u> Ft. <u>2</u> in. <u>.010</u> in. <u>PVC</u>			
Top _____ Bottom _____ Ft. _____ in. _____ in. _____			
Top _____ Bottom _____ Ft. _____ in. _____ in. _____			

10. SAND/GRAVEL PACK: Depth	Size	Material
Top <u>7</u> Bottom <u>24</u> Ft. <u>#2</u> <u>torpedo</u>		
Top _____ Bottom _____ Ft. _____		
Top _____ Bottom _____ Ft. _____		

11. DRILLING LOG	Formation Description
Top _____ Bottom _____	
<u>0 / 24</u>	<u>brown fine and medium sand</u>
_____ / _____	_____
_____ / _____	_____
_____ / _____	_____
_____ / _____	_____
_____ / _____	_____
_____ / _____	_____
_____ / _____	_____
_____ / _____	_____

12. REMARKS:

I DO HEREBY CERTIFY THAT THIS WELL WAS CONSTRUCTED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

Bobbie Fowler 10/26/10
SIGNATURE OF CERTIFIED WELL CONTRACTOR DATE

Bobbie Fowler
PRINTED NAME OF PERSON CONSTRUCTING THE WELL



NON RESIDENTIAL WELL CONSTRUCTION RECORD

North Carolina Department of Environment and Natural Resources - Division of Water Quality

WELL CONTRACTOR CERTIFICATION # 2869

1. WELL CONTRACTOR:

Bobbie D Fowler Jr
 Well Contractor (Individual) Name
Mid-Atlantic Drilling, Inc.
 Well Contractor Company Name
PO Box 315
 Street Address
Carolina Beach NC 28428
 City or Town State Zip Code

(910) 458-5020
 Area code Phone number

2. WELL INFORMATION:

WELL CONSTRUCTION PERMIT# _____
 OTHER ASSOCIATED PERMIT#(if applicable) _____
 SITE WELL ID # (if applicable) **MW-1**

3. WELL USE (Check One Box) Monitoring Municipal/Public
 Industrial/Commercial Agricultural Recovery Injection
 Irrigation Other (list use) _____

DATE DRILLED **10/11/2010**

4. WELL LOCATION:

501 N. 3rd Street
 (Street Name, Numbers, Community, Subdivision, Lot No., Parcel, Zip Code)

CITY: **Wilmington** COUNTY **New Hanover**

TOPOGRAPHIC / LAND SETTING: (check appropriate box)
 Slope Valley Flat Ridge Other _____
 LATITUDE **34 ° 14 ' 28.0000 " DMS OR _____ DD**
 LONGITUDE **77 ° 56 ' 50.0000 " DMS OR _____ DD**

Latitude/longitude source: GPS Topographic map
 (location of well must be shown on a USGS topo map and attached to this form if not using GPS)

5. FACILITY (Name of the business where the well is located.)

Kings Scooters
 Facility Name Facility ID# (if applicable) _____

501 N. 3rd Street
 Street Address
Wilmington NC 28401
 City or Town State Zip Code

Tony Karatas
 Contact Name

501 N. 3rd Street
 Mailing Address
Wilmington NC 28401
 City or Town State Zip Code

(910) 395-0601
 Area code Phone number

6. WELL DETAILS:

a. TOTAL DEPTH: **24**
 b. DOES WELL REPLACE EXISTING WELL? YES NO
 c. WATER LEVEL Below Top of Casing: **17.20** FT.
 (Use "+" if Above Top of Casing)

d. TOP OF CASING IS **0** FT. Above Land Surface*
 *Top of casing terminated at/or below land surface may require a variance in accordance with 15A NCAC 2C .0118.

e. YIELD (gpm): _____ METHOD OF TEST _____

f. DISINFECTION: Type _____ Amount _____

g. WATER ZONES (depth):
 Top _____ Bottom _____ Top _____ Bottom _____
 Top _____ Bottom _____ Top _____ Bottom _____
 Top _____ Bottom _____ Top _____ Bottom _____

7. CASING: Depth	Diameter	Thickness/Weight	Material
Top 0 Bottom 9 Ft. 2"		sch 40	PVC
Top _____ Bottom _____ Ft. _____			
Top _____ Bottom _____ Ft. _____			

8. GROUT: Depth	Material	Method
Top 2 Bottom 7 Ft. Bentonite Chi		Pour
Top 0 Bottom 2 Ft. Concrete		Pour
Top _____ Bottom _____ Ft. _____		

9. SCREEN: Depth	Diameter	Slot Size	Material
Top 9 Bottom 24 Ft. 2 in. .010 in. PVC			
Top _____ Bottom _____ Ft. _____ in. _____ in. _____			
Top _____ Bottom _____ Ft. _____ in. _____ in. _____			

10. SAND/GRAVEL PACK: Depth	Size	Material
Top 7 Bottom 24 Ft. #2 torpedo		
Top _____ Bottom _____ Ft. _____		
Top _____ Bottom _____ Ft. _____		

11. DRILLING LOG	Formation Description
Top _____ Bottom _____	
0 / 24	brown fine and medium grained sand
_____ / _____	_____
_____ / _____	_____
_____ / _____	_____
_____ / _____	_____
_____ / _____	_____
_____ / _____	_____
_____ / _____	_____
_____ / _____	_____

12. REMARKS:

I DO HEREBY CERTIFY THAT THIS WELL WAS CONSTRUCTED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

Bobbie Fowler **10/26/10**
 SIGNATURE OF CERTIFIED WELL CONTRACTOR DATE

Bobbie Fowler
 PRINTED NAME OF PERSON CONSTRUCTING THE WELL

Appendix D
Soil
Analytical Results



Randy Brant
Land Management Group
P.O. Box 2522
Wilmington, NC 28402

Report Number: G668-40

Client Project: STK Properties

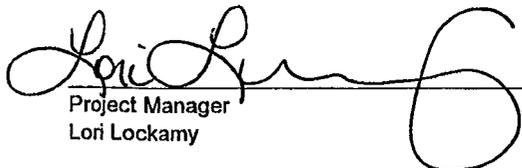
Dear Randy Brant,

Enclosed are the results of the analytical services performed under the referenced project for the received samples and associated QC as applicable. The samples are certified to meet the requirements of the National Environmental Laboratory Accreditation Conference Standards. Copies of this report and supporting data will be retained in our files for a period of five years in the event they are required for future reference. Any samples submitted to our laboratory will be retained for a maximum of thirty (30) days from the date of this report unless other arrangements are requested.

If there are any questions about the report or services performed during this project, please call Lori Lockamy at (910) 350-1903. We will be happy to answer any questions or concerns which you may have.

Thank you for using SGS North America, Inc. for your analytical services. We look forward to working with you again on any additional analytical needs.

Sincerely,
SGS North America, Inc.

 20 October 2010
Project Manager Date
Lori Lockamy

SGS North America, Inc.

List of Reporting Abbreviations
And Data Qualifiers

B = Compound also detected in batch blank

BQL = Below Quantification Limit (RL or MDL)

DF = Dilution Factor

Dup = Duplicate

D = Detected, but RPD is > 40% between results in dual column method.

E = Estimated concentration, exceeds calibration range.

J = Estimated concentration, below calibration range and above MDL

LCS(D) = Laboratory Control Spike (Duplicate)

MDL = Method Detection Limit

MS(D) = Matrix Spike (Duplicate)

PQL = Practical Quantitation Limit

RL/CL = Reporting Limit / Control Limit

RPD = Relative Percent Difference

UJ = Target analytes with recoveries that are $10\% < \%R < LCL$; # of MEs are allowable and compounds are not detected in the sample.

mg/kg = milligram per kilogram, ppm, parts per million

ug/kg = micrograms per kilogram, ppb, parts per billion

mg/L = milligram per liter, ppm, parts per million

ug/L = micrograms per liter, ppb, parts per billion

% Rec = Percent Recovery

% solids = Percent Solids

Special Notes:

- 1) Metals and mercury samples are digested with a hot block; see the standard operating procedure document for details.
- 2) Uncertainty for all reported data is less than or equal to 30 percent.

Results for Total Petroleum Hydrocarbons
by GC/FID 8015

Client Sample ID: MW-1 (8-10')
Client Project ID: STK Properties
Lab Sample ID: G668-40-1A
Lab Project ID: G668-40
Report Basis: Dry Weight

Analyzed By: LMC
Date Collected: 10/11/2010 13:19
Date Received: 10/13/2010
Matrix: Soil
Solids 94.54

Analyte	Result	RL	Units	Dilution Factor	Date Analyzed
Gasoline Range Organics	BQL	6.14	mg/Kg	1	10/14/10 14:02

Surrogate Spike Results

	Added	Result	Recovery	Flag	Limits
BFB	100	91.7	91.7		70-130

Comments:

Batch Information

Analytical Batch: VP101410
Analytical Method: 8015
Instrument ID: GC4
Analyst: LMC

Prep Method: 5035
Initial Wt/Vol: 5.17 g
Final Volume: 5 mL

Analyst: LMC

NC Certification #481

Reviewed By: LMC
GRO.XLS

Results for Total Petroleum Hydrocarbons
by GC/FID 8015

Client Sample ID: MW-2 (8-10')
 Client Project ID: STK Properties
 Lab Sample ID: G668-40-2A
 Lab Project ID: G668-40
 Report Basis: Dry Weight

Analyzed By: LMC
 Date Collected: 10/11/2010 15:03
 Date Received: 10/13/2010
 Matrix: Soil
 Solids 94.20

Analyte	Result	RL	Units	Dilution Factor	Date Analyzed
Gasoline Range Organics	BQL	5.68	mg/Kg	1	10/14/10 14:29

Surrogate Spike Results

	Added	Result	Recovery	Flag	Limits
BFB	100	88.1	88.1		70-130

Comments:

Batch Information

Analytical Batch: VP101410
 Analytical Method: 8015
 Instrument ID: GC4
 Analyst: LMC

Prep Method: 5035
 Initial Wt/Vol: 5.61 g
 Final Volume: 5 mL

Analyst: LMC

NC Certification #481

Reviewed By: LMC
GRO.XLS

**Results for Total Petroleum Hydrocarbons
by GC/FID 8015**

Client Sample ID: SS-3 (4-6')
 Client Project ID: STK Properties
 Lab Sample ID: G668-40-3A
 Lab Project ID: G668-40
 Report Basis: Dry Weight

Analyzed By: LMC
 Date Collected: 10/12/2010 9:16
 Date Received: 10/13/2010
 Matrix: Soil
 Solids 94.26

Analyte	Result	RL	Units	Dilution Factor	Date Analyzed
Gasoline Range Organics	BQL	5.99	mg/Kg	1	10/14/10 14:56

Surrogate Spike Results

	Added	Result	Recovery	Flag	Limits
BFB	100	86.5	86.5		70-130

Comments:

Batch Information

Analytical Batch: VP101410
 Analytical Method: 8015
 Instrument ID: GC4
 Analyst: LMC

Prep Method: 5035
 Initial Wt/Vol: 5.31 g
 Final Volume: 5 mL

Analyst: LMC

NC Certification #481

Reviewed By: LMC
GRO.XLS

Results for Total Petroleum Hydrocarbons
by GC/FID 8015

Client Sample ID: SS-4 (4-6')
Client Project ID: STK Properties
Lab Sample ID: G668-40-4A
Lab Project ID: G668-40
Report Basis: Dry Weight

Analyzed By: LMC
Date Collected: 10/12/2010 10:05
Date Received: 10/13/2010
Matrix: Soil
Solids 95.52

Analyte	Result	RL	Units	Dilution Factor	Date Analyzed
Gasoline Range Organics	BQL	6.04	mg/Kg	1	10/14/10 15:23

Surrogate Spike Results

	Added	Result	Recovery	Flag	Limits
BFB	100	87.3	87.3		70-130

Comments:

Batch Information

Analytical Batch: VP101410
Analytical Method: 8015
Instrument ID: GC4
Analyst: LMC

Prep Method: 5035
Initial Wt/Vol: 5.2 g
Final Volume: 5 mL

Analyst: LMC

NC Certification #481

Reviewed By: [Signature]
GRO.XLS

**Results for Total Petroleum Hydrocarbons
by GC/FID 8015**

Client Sample ID: SS-5 (11-12')
 Client Project ID: STK Properties
 Lab Sample ID: G668-40-5A
 Lab Project ID: G668-40
 Report Basis: Dry Weight

Analyzed By: LMC
 Date Collected: 10/12/2010 16:15
 Date Received: 10/13/2010
 Matrix: Soil
 Solids 97.91

Analyte	Result	RL	Units	Dilution Factor	Date Analyzed
Gasoline Range Organics	BQL	6.18	mg/Kg	1	10/14/10 15:50

Surrogate Spike Results

	Added	Result	Recovery	Flag	Limits
BFB	100	87.8	87.8		70-130

Comments:

Batch Information

Analytical Batch: VP101410
 Analytical Method: 8015
 Instrument ID: GC4
 Analyst: LMC

Prep Method: 5035
 Initial Wt/Vol: 4.96 g
 Final Volume: 5 mL

Analyst: LMC

NC Certification #481

Reviewed By: 
 GRO.XLS

**Results for Total Petroleum Hydrocarbons
by GC/FID 8015**

Client Sample ID: MW-1 (8-10')
 Client Project ID: STK Properties
 Lab Sample ID: G668-40-1D
 Lab Project ID: G668-40

Date Collected: 10/11/2010 13:19
 Date Received: 10/13/2010
 Matrix: Soil
 Solids 94.54
 Report Basis: Dry Weight

Parameter	Result	RL	Units	Dilution Factor	Date Analyzed
Diesel Range Organics	BQL	6.55	mg/Kg	1	10/15/10 22:14
Surrogate Spike Results		Spike Added	Control Limits	Spike Result	Percent Recovery
OTP		40	40-140	38.3	95.7

Comments:

Batch Information

Analytical Batch: EP101510
 Analytical Method: 8015
 Instrument: GC6
 Analyst: DTF

Prep batch: 17560
 Prep Method: 3541
 Prep Date: 10/15/10
 Initial Prep Wt/Vol: 32.32 G
 Prep Final Vol: 10 mL

Analyst: FM

NC Certification #481

N.C. Certification #481

Reviewed By: 
 DRO.XLS
 Page 8 of 13

**Results for Total Petroleum Hydrocarbons
by GC/FID 8015**

Client Sample ID: MW-2 (8-10')
 Client Project ID: STK Properties
 Lab Sample ID: G668-40-2D
 Lab Project ID: G668-40

Date Collected: 10/11/2010 15:03
 Date Received: 10/13/2010
 Matrix: Soil
 Solids 94.20
 Report Basis: Dry Weight

Parameter	Result	RL	Units	Dilution Factor	Date Analyzed
Diesel Range Organics	11.6	6.40	mg/Kg	1	10/15/10 22:42
Surrogate Spike Results		Spike Added	Control Limits	Spike Result	Percent Recovery
OTP		40	40-140	35.8	89.6

Comments:

Batch Information

Analytical Batch: EP101510
 Analytical Method: 8015
 Instrument: GC6
 Analyst: DTF

Prep batch: 17560
 Prep Method: 3541
 Prep Date: 10/15/10
 Initial Prep Wt/Vol: 33.16 G
 Prep Final Vol: 10 mL

Analyst: FX

NC Certification #481

N.C. Certification #481

Reviewed By: WA
DRO.XLS
 Page 9 of 13

**Results for Total Petroleum Hydrocarbons
by GC/FID 8015**

Client Sample ID: SS-3 (4-6')
 Client Project ID: STK Properties
 Lab Sample ID: G668-40-3D
 Lab Project ID: G668-40

Date Collected: 10/12/2010 9:16
 Date Received: 10/13/2010
 Matrix: Soil
 Solids 94.26
 Report Basis: Dry Weight

Parameter	Result	RL	Units	Dilution Factor	Date Analyzed
Diesel Range Organics	BQL	6.25	mg/Kg	1	10/15/10 23:10
Surrogate Spike Results		Spike Added	Control Limits	Spike Result	Percent Recovery
OTP		40	40-140	35.7	89.3

Comments:

Batch Information

Analytical Batch: EP101510
 Analytical Method: 8015
 Instrument: GC6
 Analyst: DTF

Prep batch: 17560
 Prep Method: 3541
 Prep Date: 10/15/10
 Initial Prep Wt/Vol: 33.95 G
 Prep Final Vol: 10 mL

Analyst: FA

NC Certification #481

N.C. Certification #481

Reviewed By: 
 DRO.XLS

**Results for Total Petroleum Hydrocarbons
by GC/FID 8015**

Client Sample ID: SS-4 (4-6')
 Client Project ID: STK Properties
 Lab Sample ID: G668-40-4D
 Lab Project ID: G668-40

Date Collected: 10/12/2010 10:05
 Date Received: 10/13/2010
 Matrix: Soil
 Solids 95.52
 Report Basis: Dry Weight

Parameter	Result	RL	Units	Dilution Factor	Date Analyzed
Diesel Range Organics	6.58	6.54	mg/Kg	1	10/15/10 23:38
Surrogate Spike Results		Spike Added	Control Limits	Spike Result	Percent Recovery
OTP		40	40-140	37.2	92.9

Comments:

Batch Information

Analytical Batch: EP101510
 Analytical Method: 8015
 Instrument: GC6
 Analyst: DTF

Prep batch: 17560
 Prep Method: 3541
 Prep Date: 10/15/10
 Initial Prep Wt/Vol: 32.01 G
 Prep Final Vol: 10 mL

Analyst: FX

NC Certification #481

N.C. Certification #481

Reviewed By: 
 DRO.XLS
 Page 11 of 13

**Results for Total Petroleum Hydrocarbons
by GC/FID 8015**

Client Sample ID: SS-5 (11-12')
 Client Project ID: STK Properties
 Lab Sample ID: G668-40-5D
 Lab Project ID: G668-40

Date Collected: 10/12/2010 16:15
 Date Received: 10/13/2010
 Matrix: Soil
 Solids 97.91
 Report Basis: Dry Weight

Parameter	Result	RL	Units	Dilution Factor	Date Analyzed
Diesel Range Organics	BQL	6.17	mg/Kg	1	10/16/10 00:06
Surrogate Spike Results		Spike Added	Control Limits	Spike Result	Percent Recovery
OTP		40	40-140	36.4	90.9

Comments:

Batch Information

Analytical Batch: EP101510
 Analytical Method: 8015
 Instrument: GC6
 Analyst: DTF

Prep batch: 17560
 Prep Method: 3541
 Prep Date: 10/15/10
 Initial Prep Wt/Vol: 33.12 G
 Prep Final Vol: 10 mL

Analyst: EA

NC Certification #481

N.C. Certification #481

Reviewed By: [Signature]
 DRO.XLS
 Page 12 of 13



CHAIN OF CUSTODY RECORD
SGS North America Inc.

- Locations Nationwide
- Alaska
 - New Jersey
 - North Carolina
 - Maryland
 - New York
 - Ohio

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100577

1 CLIENT: <u>Land Management Group</u>					SGS Reference: <u>668-40</u>					PAGE <u>1</u> OF <u>1</u>		
CONTACT: <u>Randy Brant</u> PHONE NO: <u>(910) 452-0001</u>					CONTAINERS	Preservatives Used: <u>AC</u> <u>W/B</u>						
PROJECT: <u>STK Properties</u> SITE/PWSID#:						Analysis Required:						
REPORTS TO: <u>Randy Brant</u>						C= COMP						
INVOICE TO: <u>LMG</u> QUOTE #:						G= GRAB						
P.O. NUMBER: <u>00-10-123</u>					<u>TPH BRO</u>		<u>TPH DED</u>					
2 LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX	No.	SAMPLE TYPE	2	1	REMARKS			
✓	<u>MW-1 (8-10')</u>	<u>10/11/10</u>	<u>1319</u>	<u>soil</u>	<u>3</u>	<u>G</u>	<u>2</u>	<u>1</u>				
✓	<u>MW-2 (8-10')</u>	<u>10/11/10</u>	<u>1503</u>	<u>soil</u>	<u>3</u>	<u>G</u>	<u>2</u>	<u>1</u>				
✓	<u>SS-3 (4-6')</u>	<u>10/12/10</u>	<u>0916</u>	<u>soil</u>	<u>3</u>	<u>G</u>	<u>2</u>	<u>1</u>				
✓	<u>SS-4 (4-6')</u>	<u>10/12/10</u>	<u>1005</u>	<u>soil</u>	<u>3</u>	<u>G</u>	<u>2</u>	<u>1</u>				
✓	<u>SS-5 (11-12')</u>	<u>10/12/10</u>	<u>1615</u>	<u>soil</u>	<u>3</u>	<u>G</u>	<u>2</u>	<u>1</u>				
5 Collected/Relinquished By: (1) <u>Randy Brant</u>					Date: <u>10/13/10</u> Time: <u>1008</u>		Received By: <u>William Dornell</u>		Shipping Carrier: <u>HAND</u>		Samples Received Cold? (Circle) <u>YES</u> NO	
Relinquished By: (2) <u>William Dornell</u>					Date: <u>10/13/10</u> Time: <u>1100</u>		Received By: <u>Juliana</u>		Shipping Ticket No:		Temperature °C: <u>21, 23, 23</u>	
Relinquished By: (3)					Date: Time:		Received By:		Special Deliverable Requirements:		Chain of Custody Seal: (Circle)	
Relinquished By: (4)					Date: Time:		Received By:		Special Instructions:		INTACT BROKEN <u>ABSENT</u>	
Requested Turnaround Time:					<input type="checkbox"/> RUSH _____ Date Needed		<input checked="" type="checkbox"/> STD					

N.C. Certification # 23

Page 13 of 13

SGS North America, Inc.

Appendix E
Groundwater
Analytical Results



Randy Brant
Land Management Group
P.O. Box 2522
Wilmington, NC 28402

Report Number: G668-39

Client Project: STK Properties

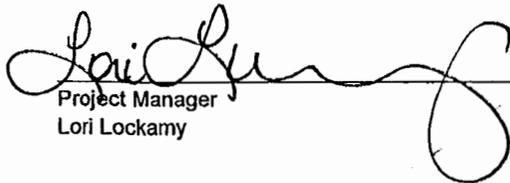
Dear Randy Brant,

Enclosed are the results of the analytical services performed under the referenced project for the received samples and associated QC as applicable. The samples are certified to meet the requirements of the National Environmental Laboratory Accreditation Conference Standards. Copies of this report and supporting data will be retained in our files for a period of five years in the event they are required for future reference. Any samples submitted to our laboratory will be retained for a maximum of thirty (30) days from the date of this report unless other arrangements are requested.

If there are any questions about the report or services performed during this project, please call Lori Lockamy at (910) 350-1903. We will be happy to answer any questions or concerns which you may have.

Thank you for using SGS North America, Inc. for your analytical services. We look forward to working with you again on any additional analytical needs.

Sincerely,
SGS North America, Inc.

 20 October 2010
Project Manager Date
Lori Lockamy

Case Narrative
Land Management Group Inc.
SGS Project: G668-39
Project Name: STK Properties

SGS North America Inc.

October 20th, 2010

- Three water samples were accepted into the laboratory on October 13th, 2010 at 1100 for analyses as indicated on the chain of custody. The samples were received in good condition, with a temperature range of 2.1-2.3°C.
- All extractions and analyses were completed within holding time limits.

625 Analyses

- The reported recovery for Hexachloroethane in the LCS associated with batch 17544 is below the method's QC limit. This compound was not detected in the associated sample and has been 'UJ' flagged on the data forms.



Date 10/20/10
Craig R Tronzo
Data Validation

SGS North America, Inc.
List of Reporting Abbreviations
And Data Qualifiers

B = Compound also detected in batch blank

BQL = Below Quantification Limit (RL or MDL)

DF = Dilution Factor

Dup = Duplicate

D = Detected, but RPD is > 40% between results in dual column method.

E = Estimated concentration, exceeds calibration range.

J = Estimated concentration, below calibration range and above MDL

LCS(D) = Laboratory Control Spike (Duplicate)

MDL = Method Detection Limit

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RL/CL = Reporting Limit / Control Limit

RPD = Relative Percent Difference

UJ = Target analytes with recoveries that are $10\% < \%R < LCL$; # of MEs are allowable and compounds are not detected in the sample.

mg/kg = milligram per kilogram, ppm, parts per million

ug/kg = micrograms per kilogram, ppb, parts per billion

mg/L = milligram per liter, ppm, parts per million

ug/L = micrograms per liter, ppb, parts per billion

% Rec = Percent Recovery

% solids = Percent Solids

Special Notes:

- 1) Metals and mercury samples are digested with a hot block; see the standard operating procedure document for details.
- 2) Uncertainty for all reported data is less than or equal to 30 percent.

**Results for Volatiles
by GCMS 6200B**

Client Sample ID: MW-1
Client Project ID: STK Properties
Lab Sample ID: G668-39-1A
Lab Project ID: G668-39

Analyzed By: DVO
Date Collected: 10/12/2010 12:45
Date Received: 10/13/2010
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	Quantitation Limit UG/L	Dilution Factor	Date Analyzed
Benzene	BQL	0.500	1	10/14/2010
Bromobenzene	BQL	0.500	1	10/14/2010
Bromochloromethane	BQL	0.500	1	10/14/2010
Bromodichloromethane	BQL	0.500	1	10/14/2010
Bromoform	BQL	0.500	1	10/14/2010
Bromomethane	BQL	0.500	1	10/14/2010
n-Butylbenzene	BQL	0.500	1	10/14/2010
sec-Butylbenzene	BQL	0.500	1	10/14/2010
tert-Butylbenzene	BQL	0.500	1	10/14/2010
Carbon tetrachloride	BQL	0.500	1	10/14/2010
Chlorobenzene	BQL	0.500	1	10/14/2010
Chloroethane	BQL	0.500	1	10/14/2010
Chloroform	BQL	0.500	1	10/14/2010
Chloromethane	BQL	0.500	1	10/14/2010
2-Chlorotoluene	BQL	0.500	1	10/14/2010
4-Chlorotoluene	BQL	0.500	1	10/14/2010
Dibromochloromethane	BQL	0.500	1	10/14/2010
1,2-Dibromo-3-chloropropane	BQL	5.00	1	10/14/2010
Dibromomethane	BQL	0.500	1	10/14/2010
1,2-Dibromoethane (EDB)	BQL	0.500	1	10/14/2010
1,2-Dichlorobenzene	BQL	0.500	1	10/14/2010
1,3-Dichlorobenzene	BQL	0.500	1	10/14/2010
1,4-Dichlorobenzene	BQL	0.500	1	10/14/2010
1,1-Dichloroethane	BQL	0.500	1	10/14/2010
1,1-Dichloroethene	BQL	0.500	1	10/14/2010
1,2-Dichloroethane	BQL	0.500	1	10/14/2010
cis-1,2-Dichloroethene	BQL	0.500	1	10/14/2010
trans-1,2-dichloroethene	BQL	0.500	1	10/14/2010
1,2-Dichloropropane	BQL	0.500	1	10/14/2010
1,3-Dichloropropane	BQL	0.500	1	10/14/2010
2,2-Dichloropropane	BQL	0.500	1	10/14/2010
1,1-Dichloropropene	BQL	0.500	1	10/14/2010
cis-1,3-Dichloropropene	BQL	0.500	1	10/14/2010
trans-1,3-Dichloropropene	BQL	0.500	1	10/14/2010
Dichlorodifluoromethane	BQL	5.00	1	10/14/2010
Diisopropyl ether (DIPE)	BQL	0.500	1	10/14/2010
Ethylbenzene	BQL	0.500	1	10/14/2010
Hexachlorobutadiene	BQL	0.500	1	10/14/2010
Isopropylbenzene	BQL	0.500	1	10/14/2010
4-Isopropyltoluene	BQL	0.500	1	10/14/2010
Methylene chloride	BQL	5.00	1	10/14/2010
Methyl-tert-butyl ether (MTBE)	BQL	0.500	1	10/14/2010
Naphthalene	BQL	0.500	1	10/14/2010
n-Propyl benzene	BQL	0.500	1	10/14/2010
Styrene	BQL	0.500	1	10/14/2010

Results for Volatiles
by GCMS 6200B

Client Sample ID: MW-1
Client Project ID: STK Properties
Lab Sample ID: G668-39-1A
Lab Project ID: G668-39

Analyzed By: DVO
Date Collected: 10/12/2010 12:45
Date Received: 10/13/2010
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	Quantitation Limit UG/L	Dilution Factor	Date Analyzed
1,1,1,2-Tetrachloroethane	BQL	0.500	1	10/14/2010
1,1,2,2-Tetrachloroethane	BQL	0.500	1	10/14/2010
Tetrachloroethene	BQL	0.500	1	10/14/2010
Toluene	BQL	0.500	1	10/14/2010
1,2,3-Trichlorobenzene	BQL	0.500	1	10/14/2010
1,2,4-Trichlorobenzene	BQL	0.500	1	10/14/2010
Trichloroethene	BQL	0.500	1	10/14/2010
1,1,1-Trichloroethane	BQL	0.500	1	10/14/2010
1,1,2-Trichloroethane	BQL	0.500	1	10/14/2010
Trichlorofluoromethane	BQL	0.500	1	10/14/2010
1,2,3-Trichloropropane	BQL	0.500	1	10/14/2010
1,2,4-Trimethylbenzene	BQL	0.500	1	10/14/2010
1,3,5-Trimethylbenzene	BQL	0.500	1	10/14/2010
Vinyl chloride	BQL	0.500	1	10/14/2010
m-,p-Xylene	BQL	1.00	1	10/14/2010
o-Xylene	BQL	0.500	1	10/14/2010

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	30	31.3	104
Toluene-d8	30	25.6	85
4-Bromofluorobenzene	30	27.7	92

Comments:

Flags:

Analyst: DVO

Reviewed By: 

SGS North America, Inc.

Results for Volatiles
by GCMS 6200B

Client Sample ID: MW-2
Client Project ID: STK Properties
Lab Sample ID: G668-39-2A
Lab Project ID: G668-39

Analyzed By: DVO
Date Collected: 10/12/2010 13:15
Date Received: 10/13/2010
Matrix: Water
Sample Amount: 5 mL

Compound	Result	Quantitation	Dilution	Date
	UG/L	Limit UG/L	Factor	Analyzed
Benzene	BQL	0.500	1	10/14/2010
Bromobenzene	BQL	0.500	1	10/14/2010
Bromochloromethane	BQL	0.500	1	10/14/2010
Bromodichloromethane	BQL	0.500	1	10/14/2010
Bromoform	BQL	0.500	1	10/14/2010
Bromomethane	BQL	0.500	1	10/14/2010
n-Butylbenzene	BQL	0.500	1	10/14/2010
sec-Butylbenzene	BQL	0.500	1	10/14/2010
tert-Butylbenzene	BQL	0.500	1	10/14/2010
Carbon tetrachloride	BQL	0.500	1	10/14/2010
Chlorobenzene	BQL	0.500	1	10/14/2010
Chloroethane	BQL	0.500	1	10/14/2010
Chloroform	BQL	0.500	1	10/14/2010
Chloromethane	BQL	0.500	1	10/14/2010
2-Chlorotoluene	BQL	0.500	1	10/14/2010
4-Chlorotoluene	BQL	0.500	1	10/14/2010
Dibromochloromethane	BQL	0.500	1	10/14/2010
1,2-Dibromo-3-chloropropane	BQL	5.00	1	10/14/2010
Dibromomethane	BQL	0.500	1	10/14/2010
1,2-Dibromoethane (EDB)	BQL	0.500	1	10/14/2010
1,2-Dichlorobenzene	BQL	0.500	1	10/14/2010
1,3-Dichlorobenzene	BQL	0.500	1	10/14/2010
1,4-Dichlorobenzene	BQL	0.500	1	10/14/2010
1,1-Dichloroethane	BQL	0.500	1	10/14/2010
1,1-Dichloroethene	BQL	0.500	1	10/14/2010
1,2-Dichloroethane	BQL	0.500	1	10/14/2010
cis-1,2-Dichloroethene	BQL	0.500	1	10/14/2010
trans-1,2-dichloroethene	BQL	0.500	1	10/14/2010
1,2-Dichloropropane	BQL	0.500	1	10/14/2010
1,3-Dichloropropane	BQL	0.500	1	10/14/2010
2,2-Dichloropropane	BQL	0.500	1	10/14/2010
1,1-Dichloropropene	BQL	0.500	1	10/14/2010
cis-1,3-Dichloropropene	BQL	0.500	1	10/14/2010
trans-1,3-Dichloropropene	BQL	0.500	1	10/14/2010
Dichlorodifluoromethane	BQL	5.00	1	10/14/2010
Diisopropyl ether (DIPE)	BQL	0.500	1	10/14/2010
Ethylbenzene	BQL	0.500	1	10/14/2010
Hexachlorobutadiene	BQL	0.500	1	10/14/2010
Isopropylbenzene	BQL	0.500	1	10/14/2010
4-Isopropyltoluene	BQL	0.500	1	10/14/2010
Methylene chloride	BQL	5.00	1	10/14/2010
Methyl-tert-butyl ether (MTBE)	BQL	0.500	1	10/14/2010
Naphthalene	BQL	0.500	1	10/14/2010
n-Propyl benzene	BQL	0.500	1	10/14/2010
Styrene	BQL	0.500	1	10/14/2010

SGS North America, Inc.

Results for Volatiles
by GCMS 6200B

Client Sample ID: MW-2
Client Project ID: STK Properties
Lab Sample ID: G668-39-2A
Lab Project ID: G668-39

Analyzed By: DVO
Date Collected: 10/12/2010 13:15
Date Received: 10/13/2010
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	Quantitation Limit UG/L	Dilution Factor	Date Analyzed
1,1,1,2-Tetrachloroethane	BQL	0.500	1	10/14/2010
1,1,2,2-Tetrachloroethane	BQL	0.500	1	10/14/2010
Tetrachloroethene	10.1	0.500	1	10/14/2010
Toluene	BQL	0.500	1	10/14/2010
1,2,3-Trichlorobenzene	BQL	0.500	1	10/14/2010
1,2,4-Trichlorobenzene	BQL	0.500	1	10/14/2010
Trichloroethene	BQL	0.500	1	10/14/2010
1,1,1-Trichloroethane	BQL	0.500	1	10/14/2010
1,1,2-Trichloroethane	BQL	0.500	1	10/14/2010
Trichlorofluoromethane	BQL	0.500	1	10/14/2010
1,2,3-Trichloropropane	BQL	0.500	1	10/14/2010
1,2,4-Trimethylbenzene	BQL	0.500	1	10/14/2010
1,3,5-Trimethylbenzene	BQL	0.500	1	10/14/2010
Vinyl chloride	BQL	0.500	1	10/14/2010
m-,p-Xylene	BQL	1.00	1	10/14/2010
o-Xylene	BQL	0.500	1	10/14/2010

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	30	31	103
Toluene-d8	30	24.9	83
4-Bromofluorobenzene	30	26.7	89

Comments:

Flags:

Analyst: DVO

Reviewed By: 

SGS North America, Inc.

Results for Volatiles
by GCMS 6200B

Client Sample ID: MW-6
Client Project ID: STK Properties
Lab Sample ID: G668-39-3A
Lab Project ID: G668-39

Analyzed By: DVO
Date Collected: 10/12/2010 13:40
Date Received: 10/13/2010
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	Quantitation Limit UG/L	Dilution Factor	Date Analyzed
Benzene	BQL	0.500	1	10/14/2010
Bromobenzene	BQL	0.500	1	10/14/2010
Bromochloromethane	BQL	0.500	1	10/14/2010
Bromodichloromethane	BQL	0.500	1	10/14/2010
Bromoform	BQL	0.500	1	10/14/2010
Bromomethane	BQL	0.500	1	10/14/2010
n-Butylbenzene	BQL	0.500	1	10/14/2010
sec-Butylbenzene	BQL	0.500	1	10/14/2010
tert-Butylbenzene	BQL	0.500	1	10/14/2010
Carbon tetrachloride	BQL	0.500	1	10/14/2010
Chlorobenzene	BQL	0.500	1	10/14/2010
Chloroethane	BQL	0.500	1	10/14/2010
Chloroform	BQL	0.500	1	10/14/2010
Chloromethane	BQL	0.500	1	10/14/2010
2-Chlorotoluene	BQL	0.500	1	10/14/2010
4-Chlorotoluene	BQL	0.500	1	10/14/2010
Dibromochloromethane	BQL	0.500	1	10/14/2010
1,2-Dibromo-3-chloropropane	BQL	5.00	1	10/14/2010
Dibromomethane	BQL	0.500	1	10/14/2010
1,2-Dibromoethane (EDB)	BQL	0.500	1	10/14/2010
1,2-Dichlorobenzene	BQL	0.500	1	10/14/2010
1,3-Dichlorobenzene	BQL	0.500	1	10/14/2010
1,4-Dichlorobenzene	BQL	0.500	1	10/14/2010
1,1-Dichloroethane	BQL	0.500	1	10/14/2010
1,1-Dichloroethene	BQL	0.500	1	10/14/2010
1,2-Dichloroethane	BQL	0.500	1	10/14/2010
cis-1,2-Dichloroethene	BQL	0.500	1	10/14/2010
trans-1,2-dichloroethene	BQL	0.500	1	10/14/2010
1,2-Dichloropropane	BQL	0.500	1	10/14/2010
1,3-Dichloropropane	BQL	0.500	1	10/14/2010
2,2-Dichloropropane	BQL	0.500	1	10/14/2010
1,1-Dichloropropene	BQL	0.500	1	10/14/2010
cis-1,3-Dichloropropene	BQL	0.500	1	10/14/2010
trans-1,3-Dichloropropene	BQL	0.500	1	10/14/2010
Dichlorodifluoromethane	BQL	5.00	1	10/14/2010
Diisopropyl ether (DIPE)	BQL	0.500	1	10/14/2010
Ethylbenzene	BQL	0.500	1	10/14/2010
Hexachlorobutadiene	BQL	0.500	1	10/14/2010
Isopropylbenzene	BQL	0.500	1	10/14/2010
4-Isopropyltoluene	BQL	0.500	1	10/14/2010
Methylene chloride	BQL	5.00	1	10/14/2010
Methyl-tert-butyl ether (MTBE)	BQL	0.500	1	10/14/2010
Naphthalene	BQL	0.500	1	10/14/2010
n-Propyl benzene	BQL	0.500	1	10/14/2010
Styrene	BQL	0.500	1	10/14/2010

SGS North America, Inc.

Results for Volatiles
by GCMS 6200B

Client Sample ID: MW-6
Client Project ID: STK Properties
Lab Sample ID: G668-39-3A
Lab Project ID: G668-39

Analyzed By: DVO
Date Collected: 10/12/2010 13:40
Date Received: 10/13/2010
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	Quantitation Limit UG/L	Dilution Factor	Date Analyzed
1,1,1,2-Tetrachloroethane	BQL	0.500	1	10/14/2010
1,1,2,2-Tetrachloroethane	BQL	0.500	1	10/14/2010
Tetrachloroethene	25.0	0.500	1	10/14/2010
Toluene	BQL	0.500	1	10/14/2010
1,2,3-Trichlorobenzene	BQL	0.500	1	10/14/2010
1,2,4-Trichlorobenzene	BQL	0.500	1	10/14/2010
Trichloroethene	BQL	0.500	1	10/14/2010
1,1,1-Trichloroethane	BQL	0.500	1	10/14/2010
1,1,2-Trichloroethane	BQL	0.500	1	10/14/2010
Trichlorofluoromethane	BQL	0.500	1	10/14/2010
1,2,3-Trichloropropane	BQL	0.500	1	10/14/2010
1,2,4-Trimethylbenzene	BQL	0.500	1	10/14/2010
1,3,5-Trimethylbenzene	BQL	0.500	1	10/14/2010
Vinyl chloride	BQL	0.500	1	10/14/2010
m-,p-Xylene	BQL	1.00	1	10/14/2010
o-Xylene	BQL	0.500	1	10/14/2010

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	30	30.3	101
Toluene-d8	30	25.1	84
4-Bromofluorobenzene	30	26.9	90

Comments:

Flags:

Analyst: DVO

Reviewed By: [Signature]

VPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name: Land Management Group

Project Name: STK Properties

Sample Information	
Sample Identification	MW-1
Sample Matrix	Water
Collection Option (for Soil)*	NA
Date Collected	10/12/10 12:45
Date Received	10/13/10
Date Extracted	10/14/10 23:55 - 10/14/10 23:55
Date Analyzed	10/14/10 23:55 - 10/14/10 23:55
Dry Weight	NA
Dilution Factor	1 - 1

Analytical Results				
Analyte	Result µg/L	Report Limit µg/L	Flags	
C ₅ -C ₈ Aliphatics**	BQL	100		
C ₉ -C ₁₂ Aliphatics**	BQL	100		
C ₉ -C ₁₀ Aromatics**	BQL	100		
	Percent Recovery	Flags	Limits Lower Upper	
Surrogate % Recovery - PID	80.6		70	130
Surrogate % Recovery - FID	89.2		70	130

* = Option 1 = Established fill line on vial, Option 2 = Sampling Device/Brand, or Option 3 = Field weight of soil.

** = Excludes any surrogates or internal standards and are unadjusted for individual analytes.

Lab Info: g668-39-1e	Lab Info: g668-39-1e
FID Info: VP101410/029F0101.D	PID Info: VP101410/029R0101.D

Reviewed By: 

VPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name: Land Management Group

Project Name: STK Properties

Sample Information	
Sample Identification	MW-2
Sample Matrix	Water
Collection Option (for Soil)*	NA
Date Collected	10/12/10 13:15
Date Received	10/13/10
Date Extracted	10/15/10 00:22 - 10/15/10 00:22
Date Analyzed	10/15/10 00:22 - 10/15/10 00:22
Dry Weight	NA
Dilution Factor	1 - 1

Analytical Results			
Analyte	Result µg/L	Report Limit µg/L	Flags
C ₅ -C ₈ Aliphatics**	BQL	100	
C ₉ -C ₁₂ Aliphatics**	BQL	100	
C ₉ -C ₁₀ Aromatics**	BQL	100	
	Percent Recovery	Flags	Limits Lower Upper
Surrogate % Recovery - PID	80.3		70 130
Surrogate % Recovery - FID	90.2		70 130

* = Option 1 = Established fill line on vial, Option 2 = Sampling Device/Brand, or Option 3 = Field weight of soil.

** = Excludes any surrogates or internal standards and are unadjusted for individual analytes.

Lab Info: g668-39-2e	Lab Info: g668-39-2e
FID Info: VP101410/030F0101.D	PID Info: VP101410/030R0101.D

Reviewed By: 

VPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name: Land Management Group

Project Name: STK Properties

Sample Information	
Sample Identification	MW-6
Sample Matrix	Water
Collection Option (for Soil)*	NA
Date Collected	10/12/10 13:40
Date Received	10/13/10
Date Extracted	10/15/10 00:48 - 10/15/10 00:48
Date Analyzed	10/15/10 00:48 - 10/15/10 00:48
Dry Weight	NA
Dilution Factor	1 - 1

Analytical Results				
Analyte	Result µg/L	Report Limit µg/L	Flags	
C ₅ -C ₈ Aliphatics**	BQL	100		
C ₉ -C ₁₂ Aliphatics**	BQL	100		
C ₉ -C ₁₀ Aromatics**	BQL	100		
	Percent Recovery	Flags	Limits Lower Upper	
Surrogate % Recovery - PID	77.3		70	130
Surrogate % Recovery - FID	88.3		70	130

* = Option 1 = Established fill line on vial, Option 2 = Sampling Device/Brand, or Option 3 = Field weight of soil.
 ** = Excludes any surrogates or internal standards and are unadjusted for individual analytes.

Lab Info: g668-39-3e	Lab Info: g668-39-3e
FID Info: VP101410/031F0101.D	PID Info: VP101410/031R0101.D

Reviewed By: 

Attachment 2

VPH Laboratory Reporting Form

Calibration and QA/QC Information

FID Initial Calibration Date: 10/11/10 PID Initial Calibration Date: 10/11/10

Calibration Ranges and Limits

Range	MDL		ML		RL	
	(µg/L)	(mg/Kg)	(µg/L)	(mg/Kg)	(µg/L)	(mg/Kg)
C ₅ -C ₈ Aliphatics	2.02	0.175	6.42	0.557	100	10
C ₉ -C ₁₂ Aliphatics	1.51	0.118	4.80	0.375	100	10
C ₉ -C ₁₀ Aromatics	0.902	0.132	2.87	0.420	100	10

Calibration Concentration Levels

Range	Levels (µg/L)	Levels (mg/Kg)	%RSD if CF r if LR	Method of Quantitation
C ₅ -C ₈ Aliphatics	10	0.8	7.73	Calibration Factor
	50	4		
	100	8		
	200	16		
	500	40		
C ₉ -C ₁₂ Aliphatics	10	0.8	7.71	Calibration Factor
	50	4		
	100	8		
	200	16		
	500	40		
C ₉ -C ₁₀ Aromatics	10	0.8	13.69	Calibration Factor
	50	4		
	100	8		
	200	16		
	500	40		

Calibration Check Date: 10/14/10 Filename: VP101410/002F0101.d

Calibration Check

Range	Levels (µg/L)	Levels (mg/Kg)	%Difference if CF %Drift if LR	Limits
C ₅ -C ₈ Aliphatics	200	16	6.0	±25%
C ₉ -C ₁₂ Aliphatics	200	16	1.0	±25%
C ₉ -C ₁₀ Aromatics	200	16	-1.0	±25%

MDL = Method Detection Limit
ML = Minimum Limit
RL = Reportable Limit

RPD = Relative Percent Difference
%RSD = Percent Relative Standard Deviation
CCC = Correlation Coefficient of Curve

Attachment 2

VPH Laboratory Reporting Form

Calibration and QA/QC Information

FID Initial Calibration Date: 10/11/10 PID Initial Calibration Date: 10/11/10

Calibration Ranges and Limits

Range	MDL		ML		RL	
	(µg/L)	(mg/Kg)	(µg/L)	(mg/Kg)	(µg/L)	(mg/Kg)
C ₅ -C ₈ Aliphatics	2.02	0.175	6.42	0.557	100	10
C ₉ -C ₁₂ Aliphatics	1.51	0.118	4.80	0.375	100	10
C ₉ -C ₁₀ Aromatics	0.902	0.132	2.87	0.420	100	10

Calibration Concentration Levels

Range	Levels (µg/L)	Levels (mg/Kg)	%RSD if CF r if LR	Method of Quantitation
C ₅ -C ₈ Aliphatics	10	0.8	7.73	Calibration Factor
	50	4		
	100	8		
	200	16		
	500	40		
C ₉ -C ₁₂ Aliphatics	10	0.8	7.71	Calibration Factor
	50	4		
	100	8		
	200	16		
	500	40		
C ₉ -C ₁₀ Aromatics	10	0.8	13.69	Calibration Factor
	50	4		
	100	8		
	200	16		
	500	40		

Calibration Check Date: 10/14/10 Filename: VP101410/037F0101.d

Calibration Check

Range	Levels (µg/L)	Levels (mg/Kg)	%Difference if CF %Drift if LR	Limits
C ₅ -C ₈ Aliphatics	200	16	-4.5	±25%
C ₉ -C ₁₂ Aliphatics	200	16	-12.7	±25%
C ₉ -C ₁₀ Aromatics	200	16	-6.9	±25%

MDL = Method Detection Limit
ML = Minimum Limit
RL = Reportable Limit

RPD = Relative Percent Difference
%RSD = Percent Relative Standard Deviation
CCC = Correlation Coefficient of Curve

Results for Semivolatiles
by GCMS 625

Client Sample ID: MW-1
Client Project ID: STK Properties
Lab Sample ID: G668-39-1N
Lab Project ID: G668-39

Analyzed By: CMP
Date Collected: 10/12/2010 12:45
Date Received: 10/13/2010
Date Extracted: 10/13/2010
Matrix: Water

Initial/Final Amt: 875 mL / 5.0 mL

Compound	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Acenaphthene	BQL	5.71	1	10/16/2010
Acenaphthylene	BQL	5.71	1	10/16/2010
Anthracene	BQL	5.71	1	10/16/2010
Benzo[a]anthracene	BQL	5.71	1	10/16/2010
Benzo[a]pyrene	BQL	5.71	1	10/16/2010
Benzo[b]fluoranthene	BQL	5.71	1	10/16/2010
Benzo[g,h,i]perylene	BQL	5.71	1	10/16/2010
Benzo[k]fluoranthene	BQL	5.71	1	10/16/2010
Bis(2-chloroethoxy)methane	BQL	5.71	1	10/16/2010
Bis(2-chloroethyl)ether	BQL	5.71	1	10/16/2010
Bis(2-chloroisopropyl)ether	BQL	5.71	1	10/16/2010
Bis(2-ethylhexyl)phthalate	BQL	5.71	1	10/16/2010
4-bromophenyl phenyl ether	BQL	5.71	1	10/16/2010
Butylbenzylphthalate	BQL	5.71	1	10/16/2010
2-Chloronaphthalene	BQL	5.71	1	10/16/2010
2-Chlorophenol	BQL	5.71	1	10/16/2010
4-Chloro-3-methylphenol	BQL	5.71	1	10/16/2010
4-Chlorophenyl phenyl ether	BQL	5.71	1	10/16/2010
Chrysene	BQL	5.71	1	10/16/2010
Dibenzo[a,h]anthracene	BQL	5.71	1	10/16/2010
Di-n-Butylphthalate	BQL	5.71	1	10/16/2010
3,3'-Dichlorobenzidine	BQL	11.4	1	10/16/2010
2,4-Dichlorophenol	BQL	5.71	1	10/16/2010
Diethylphthalate	BQL	5.71	1	10/16/2010
Dimethylphthalate	BQL	5.71	1	10/16/2010
2,4-Dimethylphenol	BQL	5.71	1	10/16/2010
Di-n-octylphthalate	BQL	5.71	1	10/16/2010
4,6-Dinitro-2-methylphenol	BQL	28.6	1	10/16/2010
2,4-Dinitrophenol	BQL	28.6	1	10/16/2010
2,4-Dinitrotoluene	BQL	5.71	1	10/16/2010
2,6-Dinitrotoluene	BQL	5.71	1	10/16/2010
Diphenylamine *	BQL	5.71	1	10/16/2010
Fluoranthene	BQL	5.71	1	10/16/2010
Fluorene	BQL	5.71	1	10/16/2010
Hexachlorobenzene	BQL	5.71	1	10/16/2010
Hexachlorobutadiene	BQL	5.71	1	10/16/2010
Hexachlorocyclopentadiene	BQL	11.4	1	10/16/2010
Hexachloroethane	BQL	5.71	1	10/16/2010
Indeno(1,2,3-c,d)pyrene	BQL	5.71	1	10/16/2010
Isophorone	BQL	5.71	1	10/16/2010
Naphthalene	BQL	5.71	1	10/16/2010
Nitrobenzene	BQL	5.71	1	10/16/2010
2-Nitrophenol	BQL	5.71	1	10/16/2010
4-Nitrophenol	BQL	28.6	1	10/16/2010
N-Nitrosodi-n-propylamine	BQL	5.71	1	10/16/2010
Pentachlorophenol	BQL	28.6	1	10/16/2010
Phenanthrene	BQL	5.71	1	10/16/2010

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**Results for Semivolatiles
by GCMS 625**

Client Sample ID: MW-1
 Client Project ID: STK Properties
 Lab Sample ID: G668-39-1N
 Lab Project ID: G668-39

 Initial/Final Amt: 875 mL / 5.0 mL

Analyzed By: CMP
 Date Collected: 10/12/2010 12:45
 Date Received: 10/13/2010
 Date Extracted: 10/13/2010
 Matrix: Water

Compound	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Phenol	BQL	5.71	1	10/16/2010
Pyrene	BQL	5.71	1	10/16/2010
1,2,4-Trichlorobenzene	BQL	5.71	1	10/16/2010
2,4,6-Trichlorophenol	BQL	5.71	1	10/16/2010

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.2	82
2-Fluorophenol	10	7.1	71
Nitrobenzene-d5	10	7.6	76
Phenol-d6	10	7.8	78
2,4,6-Tribromophenol	10	14.8	148
4-Terphenyl-d14	10	5.9	59

Comments:

* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine.

Flags:

BQL = Below Quantitation Limits.

Reviewed By:

Results for Semivolatiles
by GCMS 625

Client Sample ID: MW-2
Client Project ID: STK Properties
Lab Sample ID: G668-39-2M
Lab Project ID: G668-39

Analyzed By: CMP
Date Collected: 10/12/2010 13:15
Date Received: 10/13/2010
Date Extracted: 10/13/2010
Matrix: Water

Initial/Final Amt: 908 mL / 5.0 mL

Compound	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Acenaphthene	BQL	5.51	1	10/16/2010
Acenaphthylene	BQL	5.51	1	10/16/2010
Anthracene	BQL	5.51	1	10/16/2010
Benzo[a]anthracene	BQL	5.51	1	10/16/2010
Benzo[a]pyrene	BQL	5.51	1	10/16/2010
Benzo[b]fluoranthene	BQL	5.51	1	10/16/2010
Benzo[g,h,i]perylene	BQL	5.51	1	10/16/2010
Benzo[k]fluoranthene	BQL	5.51	1	10/16/2010
Bis(2-chloroethoxy)methane	BQL	5.51	1	10/16/2010
Bis(2-chloroethyl)ether	BQL	5.51	1	10/16/2010
Bis(2-chloroisopropyl)ether	BQL	5.51	1	10/16/2010
Bis(2-ethylhexyl)phthalate	BQL	5.51	1	10/16/2010
4-bromophenyl phenyl ether	BQL	5.51	1	10/16/2010
Butylbenzylphthalate	BQL	5.51	1	10/16/2010
2-Chloronaphthalene	BQL	5.51	1	10/16/2010
2-Chlorophenol	BQL	5.51	1	10/16/2010
4-Chloro-3-methylphenol	BQL	5.51	1	10/16/2010
4-Chlorophenyl phenyl ether	BQL	5.51	1	10/16/2010
Chrysene	BQL	5.51	1	10/16/2010
Dibenzo[a,h]anthracene	BQL	5.51	1	10/16/2010
Di-n-Butylphthalate	BQL	5.51	1	10/16/2010
3,3'-Dichlorobenzidine	BQL	11.0	1	10/16/2010
2,4-Dichlorophenol	BQL	5.51	1	10/16/2010
Diethylphthalate	BQL	5.51	1	10/16/2010
Dimethylphthalate	BQL	5.51	1	10/16/2010
2,4-Dimethylphenol	BQL	5.51	1	10/16/2010
Di-n-octylphthalate	BQL	5.51	1	10/16/2010
4,6-Dinitro-2-methylphenol	BQL	27.5	1	10/16/2010
2,4-Dinitrophenol	BQL	27.5	1	10/16/2010
2,4-Dinitrotoluene	BQL	5.51	1	10/16/2010
2,6-Dinitrotoluene	BQL	5.51	1	10/16/2010
Diphenylamine *	BQL	5.51	1	10/16/2010
Fluoranthene	BQL	5.51	1	10/16/2010
Fluorene	BQL	5.51	1	10/16/2010
Hexachlorobenzene	BQL	5.51	1	10/16/2010
Hexachlorobutadiene	BQL	5.51	1	10/16/2010
Hexachlorocyclopentadiene	BQL	11.0	1	10/16/2010
Hexachloroethane	BQL	5.51	1	10/16/2010
Indeno(1,2,3-c,d)pyrene	BQL	5.51	1	10/16/2010
Isophorone	BQL	5.51	1	10/16/2010
Naphthalene	BQL	5.51	1	10/16/2010
Nitrobenzene	BQL	5.51	1	10/16/2010
2-Nitrophenol	BQL	5.51	1	10/16/2010
4-Nitrophenol	BQL	27.5	1	10/16/2010
N-Nitrosodi-n-propylamine	BQL	5.51	1	10/16/2010
Pentachlorophenol	BQL	27.5	1	10/16/2010
Phenanthrene	BQL	5.51	1	10/16/2010

UJ

**Results for Semivolatiles
by GCMS 625**

Client Sample ID: MW-2
 Client Project ID: STK Properties
 Lab Sample ID: G668-39-2M
 Lab Project ID: G668-39

Analyzed By: CMP
 Date Collected: 10/12/2010 13:15
 Date Received: 10/13/2010
 Date Extracted: 10/13/2010
 Matrix: Water

Initial/Final Amt: 908 mL / 5.0 mL

Compound	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Phenol	BQL	5.51	1	10/16/2010
Pyrene	BQL	5.51	1	10/16/2010
1,2,4-Trichlorobenzene	BQL	5.51	1	10/16/2010
2,4,6-Trichlorophenol	BQL	5.51	1	10/16/2010

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	7.7	77
2-Fluorophenol	10	7.2	72
Nitrobenzene-d5	10	7.6	76
Phenol-d6	10	7.9	79
2,4,6-Tribromophenol	10	14.6	146
4-Terphenyl-d14	10	5.7	57

Comments:

* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine.

Flags:

BQL = Below Quantitation Limits.

Reviewed By: 

Results for Semivolatiles
by GCMS 625

Client Sample ID: MW-6
Client Project ID: STK Properties
Lab Sample ID: G668-39-3L
Lab Project ID: G668-39

Analyzed By: CMP
Date Collected: 10/12/2010 13:40
Date Received: 10/13/2010
Date Extracted: 10/13/2010
Matrix: Water

Initial/Final Amt: 971 mL / 5.0 mL

Compound	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Acenaphthene	BQL	5.15	1	10/16/2010
Acenaphthylene	BQL	5.15	1	10/16/2010
Anthracene	BQL	5.15	1	10/16/2010
Benzo[a]anthracene	BQL	5.15	1	10/16/2010
Benzo[a]pyrene	BQL	5.15	1	10/16/2010
Benzo[b]fluoranthene	BQL	5.15	1	10/16/2010
Benzo[g,h,i]perylene	BQL	5.15	1	10/16/2010
Benzo[k]fluoranthene	BQL	5.15	1	10/16/2010
Bis(2-chloroethoxy)methane	BQL	5.15	1	10/16/2010
Bis(2-chloroethyl)ether	BQL	5.15	1	10/16/2010
Bis(2-chloroisopropyl)ether	BQL	5.15	1	10/16/2010
Bis(2-ethylhexyl)phthalate	BQL	5.15	1	10/16/2010
4-bromophenyl phenyl ether	BQL	5.15	1	10/16/2010
Butylbenzylphthalate	BQL	5.15	1	10/16/2010
2-Chloronaphthalene	BQL	5.15	1	10/16/2010
2-Chlorophenol	BQL	5.15	1	10/16/2010
4-Chloro-3-methylphenol	BQL	5.15	1	10/16/2010
4-Chlorophenyl phenyl ether	BQL	5.15	1	10/16/2010
Chrysene	BQL	5.15	1	10/16/2010
Dibenzo[a,h]anthracene	BQL	5.15	1	10/16/2010
Di-n-Butylphthalate	BQL	5.15	1	10/16/2010
3,3'-Dichlorobenzidine	BQL	10.3	1	10/16/2010
2,4-Dichlorophenol	BQL	5.15	1	10/16/2010
Diethylphthalate	BQL	5.15	1	10/16/2010
Dimethylphthalate	BQL	5.15	1	10/16/2010
2,4-Dimethylphenol	BQL	5.15	1	10/16/2010
Di-n-octylphthalate	BQL	5.15	1	10/16/2010
4,6-Dinitro-2-methylphenol	BQL	25.7	1	10/16/2010
2,4-Dinitrophenol	BQL	25.7	1	10/16/2010
2,4-Dinitrotoluene	BQL	5.15	1	10/16/2010
2,6-Dinitrotoluene	BQL	5.15	1	10/16/2010
Diphenylamine *	BQL	5.15	1	10/16/2010
Fluoranthene	BQL	5.15	1	10/16/2010
Fluorene	BQL	5.15	1	10/16/2010
Hexachlorobenzene	BQL	5.15	1	10/16/2010
Hexachlorobutadiene	BQL	5.15	1	10/16/2010
Hexachlorocyclopentadiene	BQL	10.3	1	10/16/2010
Hexachloroethane	BQL	5.15	1	10/16/2010
Indeno(1,2,3-c,d)pyrene	BQL	5.15	1	10/16/2010
Isophorone	BQL	5.15	1	10/16/2010
Naphthalene	BQL	5.15	1	10/16/2010
Nitrobenzene	BQL	5.15	1	10/16/2010
2-Nitrophenol	BQL	5.15	1	10/16/2010
4-Nitrophenol	BQL	25.7	1	10/16/2010
N-Nitrosodi-n-propylamine	BQL	5.15	1	10/16/2010
Pentachlorophenol	BQL	25.7	1	10/16/2010
Phenanthrene	BQL	5.15	1	10/16/2010

UJ

**Results for Semivolatiles
by GCMS 625**

Client Sample ID: MW-6
 Client Project ID: STK Properties
 Lab Sample ID: G668-39-3L
 Lab Project ID: G668-39

Analyzed By: CMP
 Date Collected: 10/12/2010 13:40
 Date Received: 10/13/2010
 Date Extracted: 10/13/2010
 Matrix: Water

Initial/Final Amt: 971 mL / 5.0 mL

Compound	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Phenol	BQL	5.15	1	10/16/2010
Pyrene	BQL	5.15	1	10/16/2010
1,2,4-Trichlorobenzene	BQL	5.15	1	10/16/2010
2,4,6-Trichlorophenol	BQL	5.15	1	10/16/2010

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.7	87
2-Fluorophenol	10	7.8	78
Nitrobenzene-d5	10	7.6	76
Phenol-d6	10	7.8	78
2,4,6-Tribromophenol	10	13.7	137
4-Terphenyl-d14	10	8.7	87

Comments:

* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine.

Flags:

BQL = Below Quantitation Limits.

Reviewed By: *NO*

EPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name: Land Management Group

Project Name: STK Properties

Sample Information	
Sample Identification	MW-1
Sample Matrix	Water
Date Collected	10/12/10 12:45
Date Received	10/13/10
Date Extracted	10/13/10
Date Analyzed	10/14/10 20:37 - 10/14/10 21:05
Dry Weight	NA
Dilution Factor	1 - 1
Initial Volume (mL)	915
Final Volume (mL)	5.0

Analytical Results			
Analytes**	Result µg/L	Report Limit µg/L	Flags
C9-C18 Aliphatics	BQL	100	
C19-C36 Aliphatics	BQL	100	
C11-C22 Aromatics	152	100	

Surrogates	Percent Recovery	Flags	Limits	
			Lower	Upper
Aliphatic (tricosane)	66.9		40	140
Aromatic (ortho-terphenyl)	69.5		40	140
Fractionation 1 (2-bromonaphthalene)	97.2		40	140
Fractionation 2 (2-fluorobiphenyl)	93.5		40	140

** = Excludes any surrogates or internal standards and are unadjusted for individual analytes.

Lab Info: G668-39-1P	Lab Info: G668-39-1P
Aliphatic: EP101410/011F0901.D	Aromatic: EP101410/012F1001.D

Reviewed By: 

EPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name: Land Management Group

Project Name: STK Properties

Sample Information	
Sample Identification	MW-2
Sample Matrix	Water
Date Collected	10/12/10 13:15
Date Received	10/13/10
Date Extracted	10/13/10
Date Analyzed	10/14/10 21:34 - 10/14/10 22:02
Dry Weight	NA
Dilution Factor	1 - 1
Initial Volume (mL)	944
Final Volume (mL)	5.0

Analytical Results			
Analytes**	Result µg/L	Report Limit µg/L	Flags
C9-C18 Aliphatics	BQL	100	
C19-C36 Aliphatics	107	100	
C11-C22 Aromatics	120	100	

Surrogates	Percent Recovery	Flags	Limits	
			Lower	Upper
Aliphatic (tricosane)	58.7		40	140
Aromatic (ortho-terphenyl)	57.6		40	140
Fractionation 1 (2-bromonaphthalene)	75.3		40	140
Fractionation 2 (2-fluorobiphenyl)	72.4		40	140

** = Excludes any surrogates or internal standards and are unadjusted for individual analytes.

Lab Info: G668-39-20	Lab Info: G668-39-20
Aliphatic: EP101410/013F1101.D	Aromatic: EP101410/014F1201.D

Reviewed By: 

EPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name: Land Management Group
 Project Name: STK Properties

Sample Information	
Sample Identification	MW-6
Sample Matrix	Water
Date Collected	10/12/10 13:40
Date Received	10/13/10
Date Extracted	10/13/10
Date Analyzed	10/14/10 22:31 - 10/14/10 22:59
Dry Weight	NA
Dilution Factor	1 - 1
Initial Volume (mL)	979
Final Volume (mL)	5.0

Analytical Results			
Analytes**	Result µg/L	Report Limit µg/L	Flags
C9-C18 Aliphatics	BQL	100	
C19-C36 Aliphatics	BQL	100	
C11-C22 Aromatics	BQL	100	

Surrogates	Percent Recovery	Flags	Limits	
			Lower	Upper
Aliphatic (tricosane)	96.1		40	140
Aromatic (ortho-terphenyl)	96.9		40	140
Fractionation 1 (2-bromonaphthalene)	93.3		40	140
Fractionation 2 (2-fluorobiphenyl)	89.9		40	140

** = Excludes any surrogates or internal standards and are unadjusted for individual analytes.

Lab Info: G668-39-3N	Lab Info: G668-39-3N
Aliphatic: EP101410/015F1301.D	Aromatic: EP101410/016F1401.D

Reviewed By: 

Attachment 3

EPH Laboratory Reporting Form

Calibration and QA/QC Information

Initial Calibration Date: 05/04/10

Calibration Ranges and Limits

Range	MDL		ML		RL	
	(02/15/08) (µg/L)	(02/11/08) (mg/Kg)	(µg/L)	(mg/Kg)	(µg/L)	(mg/Kg)
C9-C18 Aliphatics	1.66	0.274	5.28	0.871	100	10
C19-C36 Aliphatics	2.79	0.201	8.87	0.639	100	10
C11-C22 Aromatics	2.64	0.110	8.40	0.350	100	10

Calibration Concentration Levels

Range	Levels (µg/L)	Levels (mg/Kg)	%RSD if CF r if LR	Method of Quantitation
C ₉ -C ₁₈ Aliphatics	200	33.3	3.50	Calibration Factor
	100	16.7		
	50	8.33		
	25	4.17		
	5	0.833		
C ₁₉ -C ₃₆ Aliphatics	200	33.3	3.17	Calibration Factor
	100	16.7		
	50	8.33		
	25	4.17		
	5	0.833		
C ₁₁ -C ₂₂ Aromatics	200	33.3	2.91	Calibration Factor
	100	16.7		
	50	8.33		
	25	4.17		
	5	0.833		

Calibration Check Date: 10/14/10 Filenames: ep101410/017f1501.d
10/15/10 ep101410/018f1601.d

Calibration Check

Range	Levels (mg/Kg)	(µg/L)	%Difference if CF %Drift if LR	Limits
C9-C18 Aliphatics	100	16.7	19.5	≤±25%
C19-C36 Aliphatics	100	16.7	18.4	≤±25%
C11-C22 Aromatics	100	16.7	18.7	≤±25%

MDL = Method Detection Limit
 ML = Minimum Limit
 RL = Reportable Limit

RPD = Relative Percent Difference
 %RSD = Percent Relative Standard Deviation
 CCC = Correlation Coefficient of Curve

Results for Metals

Client Sample ID: MW-1
 Client Project ID: STK Properties
 Lab Sample ID: G668-39-1
 Lab Project ID: G668-39
 ICP InitWt/Vol: 50 mL Final Vol: 50 mL
 Hg InitWt/Vol: Final Vol:
 Prep Batch: 17543

Analyzed By: PSW
 Date Collected: 10/12/2010 12:45
 Date Received: 10/13/2010
 Matrix: WATER

Metals	Result	RL	DF	Units	Method	Date Analyzed
Chromium	0.00542	0.00500	25	MG/L	6020	10/15/2010
Lead	BQL	0.00500	25	MG/L	6020	10/15/2010

Comments

BQL = Below Quantitation Limits
 DF = Dilution Factor
 J = Between MDL and RL
 B= Amount in Prep Blank > MDL
 Samples Prepared by 3030C.

Reviewed By: 
 METALS.XLS

Results for Metals

Client Sample ID:	MW-2	Analyzed By:	PSW
Client Project ID:	STK Properties	Date Collected:	10/12/2010 13:15
Lab Sample ID:	G668-39-2	Date Received:	10/13/2010
Lab Project ID:	G668-39	Matrix:	WATER
ICP InitWt/Vol:	50 mL	Final Vol:	50 mL
Hg InitWt/Vol:		Final Vol:	
Prep Batch:	17543		

Metals	Result	RL	DF	Units	Method	Date Analyzed
Chromium	0.00520	0.00500	25	MG/L	6020	10/15/2010
Lead	BQL	0.00500	25	MG/L	6020	10/15/2010

Comments

BQL = Below Quantitation Limits
 DF = Dilution Factor
 J = Between MDL and RL
 B= Amount in Prep Blank > MDL
 Samples Prepared by 3030C.

Reviewed By: 
 METALS.XLS

Results for Metals

Client Sample ID: MW-6
 Client Project ID: STK Properties
 Lab Sample ID: G668-39-3
 Lab Project ID: G668-39
 ICP InitWt/Vol: 50 mL Final Vol: 50 mL
 Hg InitWt/Vol: Final Vol:
 Prep Batch: 17543

Analyzed By: PSW
 Date Collected: 10/12/2010 13:40
 Date Received: 10/13/2010
 Matrix: WATER

Metals	Result	RL	DF	Units	Method	Date Analyzed
Chromium	0.0142	0.00500	25	MG/L	6020	10/15/2010
Lead	BQL	0.00500	25	MG/L	6020	10/15/2010

Comments

BQL = Below Quantitation Limits
 DF = Dilution Factor
 J = Between MDL and RL
 B= Amount in Prep Blank > MDL
 Samples Prepared by 3030C.

Reviewed By: 
 METALS.XLS



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1 CLIENT: <i>Land Management Group Inc</i> CONTACT: <i>Randy Brent</i> PHONE NO: (910) 452-0001 PROJECT: <i>STK properties</i> SITE/PWSID#: _____ REPORTS TO: <i>Randy Brent</i> FAX NO.: (910) 452-0060 INVOICE TO: <i>LMG</i> QUOTE #: _____ P.O. NUMBER: <i>60-10-123</i>					SGS Reference: <i>6668-39</i> PAGE <i>1</i> OF <i>1</i>													
2 No CONTAINERS	SAMPLE TYPE	Preservatives Used	HCl	HCl	HCl	HNO ₃												
	C= COMP	Analysis Required																
	G= GRAB																	
LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX														REMARKS
	<i>MW-1</i>	<i>10-12-10</i>	<i>12:45</i>	<i>W</i>	<i>10</i>	<i>G</i>	<i>3</i>	<i>2</i>	<i>2</i>	<i>2</i>	<i>1</i>							
	<i>MW-2</i>	<i>10-12-10</i>	<i>13:15</i>	<i>W</i>	<i>10</i>	<i>G</i>	<i>3</i>	<i>2</i>	<i>2</i>	<i>2</i>	<i>1</i>							
	<i>MW-6</i>	<i>10-12-10</i>	<i>13:40</i>	<i>W</i>	<i>10</i>	<i>G</i>	<i>3</i>	<i>2</i>	<i>2</i>	<i>2</i>	<i>1</i>							
5 Collected/Relinquished By: (1) <i>William Doersch</i> Date <i>10/13/10</i> Time <i>1100</i> Received By: <i>Jul Alvar</i> Relinquished By: (2) _____ Date _____ Time _____ Received By: _____ Relinquished By: (3) _____ Date _____ Time _____ Received By: _____ Relinquished By: (4) _____ Date _____ Time _____ Received By: _____					4 Shipping Carrier: <i>HAND</i> Samples Received Cold? (Circle) <i>YES</i> NO Shipping Ticket No: _____ Temperature °C: <i>21, 23, 23°C</i> Special Deliverable Requirements: _____ Chain of Custody Seal: (Circle) INTACT BROKEN <i>ABSENT</i> Special Instructions: _____ Requested Turnaround Time: <input type="checkbox"/> RUSH _____ <input checked="" type="checkbox"/> STD Date Needed													

N.C. Certification #481

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