



HAND DELIVERED

August 1, 2011

Mr. Jim Richmond
Oil Control Program
Maryland Department of the Environment
1800 Washington Boulevard
Baltimore, MD 21230

**RE: Corrective Action Plan
Southside Facility #26463
8816 Fingerboard Road
Frederick, Maryland
MDE Case No. 2006-0245-FR**

Dear Mr. Richmond,

Kleinfelder, on behalf of Southside Oil, LLC (Southside), is pleased to submit the enclosed Corrective Action Plan for the above referenced site.

Southside and Kleinfelder appreciate the continued guidance of the MDE in the successful completion of this project. Please contact us at (410) 850-0404 if you have questions or require additional information.

Sincerely,
Kleinfelder East, Inc.

A handwritten signature in blue ink, appearing to read "Natalie M. Hendricks".

Natalie Morales Hendricks, P.G.
Senior Project Scientist

A handwritten signature in blue ink, appearing to read "Brian Barone".

Brian Barone
Project Manager

Enclosures

cc: Ms. Marshall Hare – Southside Oil, LLC (Project File)
Ms. Susan Bull – MDE
Mr. Christopher Ralston – MDE (w/o enclosure)
Mr. John Grace - MDE - Water Supply Program (w/o enclosure)
Mr. George Keller – Frederick County Health Department (w/o enclosure)



Corrective Action Plan

**Southside Facility #26463
8816 Fingerboard Road
Frederick, Frederick County, Maryland
Case No. 2006-0245-FR
Facility I.D. No. 6299**

August 1, 2011

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**Corrective Action Plan
Southside Facility #26463
8816 Fingerboard Road
Frederick, Frederick County, Maryland
Case No. 2006-0245-FR**

QUALITY ASSURANCE/QUALITY CONTROL

The following personnel have reviewed this report for accuracy, content and quality of presentation:



Natalie Morales Hendricks, P.G.
Senior Project Scientist

8-1-2011

Date



Brian Barone
Project Manager

8/1/2011

Date



Mark C. Steele
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8/1/11

Date

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1.0 INTRODUCTION

Southside Oil, LLC (Southside) contracted Kleinfelder East, Inc. (Kleinfelder) to prepare a Corrective Action Plan (CAP) for the Southside Facility #26463 located at 8816 Fingerboard Road, Frederick County, Frederick, Maryland (Site). The Site is an open leaking underground storage tank (LUST) site with the Maryland Department of the Environment – Oil Control Program (MDE - OCP) under Case Number 2006-0245-FR. The Site is currently an active branded Exxon retail service station. Ownership and operation of underground storage tank (UST) system was transferred from Exxon Mobil Corporation (ExxonMobil) to Southside on June 21, 2010. A Comprehensive Site Assessment Report (CSAR) was submitted to the MDE on April 8, 2011, which included an outline of environmental assessment activities conducted to date. The CSAR was reviewed and approved by the MDE in the *Request for Corrective Action Plan* letter date June 7, 2011 (**Appendix A**).

This CAP was prepared to remediate off-site potable well impacts at two properties (3514 Urbana Pike and 8826 Fingerboard Road) in accordance with the Code of Maryland Annotated Regulation (COMAR) 26.10.09. Site characterization, including the development of a site conceptual model, has been completed and is documented in the April 2011 CSAR.

2.0 SITE ASSESSMENT

The following sections present a summary of the site location and features, and site assessment data collected during the site characterization process as previously reported to the MDE in the April 2011 CSAR. Background information pertaining to existing Site feature and land use was compiled by Kleinfelder personnel.

2.1 Site Setting and Features

The Site is located at the southwestern corner of the loop created by Urbana Church Road east/northeast of the intersection of State Route 80 (Fingerboard Road) and Interstate 270 in Frederick, Maryland (**Figures 1 and 2**). It is noted that the Maryland Department of Transportation (MDOT) completed realignment construction of Fingerboard Road in 2009 leaving a remnant of the old Fingerboard Road in place, which is now designated as a continuation of Urbana Church Road. For consistency with historic reference, Fingerboard Road is used in the Site address.

Based on parcel information provided by the Maryland Department of Assessments and Taxation, the Site is assessed to be approximately 1.03 acres with a 1,248 square-foot building. The legal identifier for the Site is Map 96, Parcel 166, and Grid 15. The Site is an active branded Exxon retail facility consisting of a convenience store, a canopy, three underground storage tanks (USTs), and six dispenser islands. A potable well is located on the southern property boundary and has been identified as PW-1. Septic holding tanks are located on the western property boundary and are periodically pumped out by a contractor. The UST system at the Site was installed in May 2007 and consists of two (2) double-walled fiberglass reinforced plastic 15,000-gallon gasoline USTs and one (1) double-walled fiberglass reinforced plastic 20,000-gallon compartmentalized (diesel and gasoline) UST along with rigid double-walled fiberglass reinforced plastic product and vent piping. General site features are depicted on **Figure 3**.

The Site use is commercial and is located in an area containing commercial businesses, commuter parking lots, churches and residences. **Figure 2** shows a Local Area Map depicting the approximate quarter-mile area surrounding the Site.

The immediately adjoining properties are summarized as follows:

- North:** The Site is bordered to the north by an access road to the neighboring Dynamic Automotive auto repair facility and residential properties, beyond which is Urbana Church Road and residential properties.
- South:** The Site is bordered to the south by Fingerboard Road (aka Urbana Church Road), beyond which are a church, an active 7-Eleven retail fuel station and convenience store (MDE Case # 2006-250-FR), and other commercial properties.
- East:** The Site is bordered to the east/northeast by the Dynamic Automotive auto repair facility, beyond which is residential properties.
- West:** The Site is bordered to the west by Urbana Church Road and a commuter parking lot.

2.2 Site Background

The MDE assigned Case No. 2006-0245-FR to ExxonMobil in 2005 following the receipt of High Risk Groundwater Use Area groundwater sampling results that indicated the detection of dissolved phase concentrations of methyl tertiary butyl ether (MTBE) in monitoring wells MW-1 and MW-2 above the MDE action level of 20 micrograms per liter ($\mu\text{g/L}$).

In April through June 2007, ExxonMobil completed UST removal and upgrade activities including remedial excavation of petroleum-impacted soil in the area of Dispenser 9/10 to the west of the station building. All aspects of the UST system were removed; including dispensers, product piping and vent lines, and the former tank area was excavated to the depth necessary to accommodate new USTs. A total of 1,554.34 tons of soil were removed for off-site disposal at the Soil Safe facility in Brandywine, Maryland. Following tank removal activities, the present day UST system was installed in the same location. These activities are reported in the Tank Excavation Assessment Report (TEA) dated August 2007.

Site investigations, groundwater monitoring results, interim remedial investigations results including the installation of point of entry treatment (POET) systems at two offsite properties, pilot testing, and monitoring well installation activities were conducted and documented in submittals to the MDE since the case was opened. A chronological summary of these activities and their results is included in the April 2011 CSAR.

Quarterly groundwater sampling of the monitoring well network including the sampling and maintenance of the on-site potable well and two off-site POET systems at 8826 Fingerboard Road and 3514 Urbana Pike has continued to date.

2.3 Site Geology and Hydrogeology

The Site is located on the United States Geological Survey (USGS) Urbana, Maryland topographic quadrangle map at 39.3251° N latitude and 77.3542° W longitude (NAD 83) at an approximate elevation of 465 feet (NAVD 88) in Frederick, Frederick County, Maryland. The Site area is historically known as Urbana.

The community of Urbana, Frederick County, Maryland lies within the Central Piedmont Physiographic Province, and Westminster Terrain. Based on a review of the Maryland Geologic Survey, 1968 Geologic Map of Maryland, and other geologic references including the 1999 Geologic Map of the Urbana Quadrangle, and the 2002 Geologic Map of the 30' x 60' Frederick Quadrangle the predominant formation in the area of the Site is the Urbana Formation. The Urbana Formation is late pre-Cambrian in age and in this area consists of bluish-gray phyllite (meta-sandstone and meta-siltstone), containing thin interbedded calcareous sandstone and quartzite lenses. Based on the structural data available, the Site appears situated on the eroded top of a northwest verging overturned anticline between the eastern and western limbs of the Martic fault.

During the installation of the monitoring wells, silts, silty clay and clay were encountered at varying depths underlain by saprolite and competent bedrock. In most of the monitoring wells, groundwater was not observed during drilling activities until the saprolite-bedrock interface at depths ranging from approximately 29 to 45 feet below grade.

Upon completion of the wells, the initial groundwater levels rose in the wells to static levels of approximately 27 to 35 feet below top of casing (TOC) (**Table 1**). The apparent groundwater flow, as evidenced by monitoring well data, is predominantly east/northeast, and northwest under a current hydraulic gradient of approximately 0.030 foot per foot (ft/ft) to the northeast and 0.015 ft/ft to the northwest. A hydrocarbon distribution and groundwater contour map for the most recent groundwater sampling event (June 2, 2011) is presented on **Figure 4**.

3.0 NATURE AND EXTENT OF CONSTITUENTS OF CONCERN

Soil and groundwater constituents of concern (COCs) have been analyzed in accordance with applicable regulations in effect at the time of site characterization activities. Soil and groundwater concentrations are compared to MDE MEAT Guidance values in the following sub-sections.

3.1 Liquid Phase Hydrocarbon

Liquid phase hydrocarbon has not been detected during the subsurface investigation and monitoring activities. The monitoring well and tank field gauging data are included in **Table 1**.

3.2 Adsorbed Phase Hydrocarbon

Soil analytical data presented in the April 2011 CSAR indicates that COCs were not detected above the MDE's Non-Residential Cleanup Standards and the Protection of Groundwater Standards, except in soil borings SB-3 and SB-4/MW-7 advanced in 2006 in the vicinity of the former UST field which was removed in 2007, monitoring well MW-12, and soil boring SB02 (advanced during Phase II ESA activities in 2009) in the vicinity of the historic tank field area. The COCs with the exception of MTBE in soil borings SB-3 and SB-4/MW-7 (2006), and ethylbenzene, total xylenes, naphthalene, TPH-DRO and TPH-GRO in soil boring SB02 (2009) were either not detected or were detected below their respective MDE cleanup standards.

The soil samples from borings SB-3, SB-4/MW-7, and MW-12 were collected from 29.5 to 32 feet below grade, which is likely within the capillary fringe of the groundwater interface in this area, and immediately northeast of the former UST field. Groundwater samples from monitoring wells in this area have exhibited MTBE concentrations up to 71,200 µg/L (MW-2 on August 4, 2005) and it is likely that the soil analytical results from these samples are in part representative of the dissolved phase impacts, and not solely adsorbed phase.

The soil sample from boring SB02 (2009 Phase II ESA) from 14-15 feet below grade indicated exceedances of the MDE Protection of Groundwater Standard for ethylbenzene, total xylenes and naphthalene; and exceedances of the Non-Residential Cleanup Standard for TPH-DRO and TPH-GRO.

Boring SB02 was advanced during Phase II ESA activities in the vicinity of the historic UST field which was removed in 1989. The detected COCs, which are higher-molecular weight compounds, and notably the absence of benzene and MTBE detections above the laboratory reporting limits, indicate that the source of these impacts was likely the historic UST system removed in 1989. The potential of these soil impacts leaching to groundwater is considered minimal as supported by the absence of these constituents in groundwater samples collected from monitoring wells MW-3 (which monitors perched water within the historic UST field backfill) and MW-11. This area of soil impact is delineated to the west and east by borings advanced during monitoring well installation and Phase II ESA activities.

In summary, a total of 23 soil borings including 17 monitoring well borings were installed as part of the Site characterization activities. Exceedances of at least one COC against MDE soil standards are reported for four samples: SB-3 at 30-32 feet; MW-12 at 29.5-30 feet; MW-7/SB-4 at 30-32 feet; and SB02 at 14-15 feet. The samples at SB-3, MW-7/SB-4, and MW-12 were collected from depth intervals within the capillary fringe of the surficial water table and do not represent vadose zone conditions. The sample collected from SB02 (14-15 feet) does reflect vadose zone soil conditions near the historic tank field near the front of the property. However, groundwater data collected from monitoring wells installed at the historic tank field area do not indicate COCs at concentrations above MDE standards or laboratory reporting limits indicating adsorbed phase hydrocarbon impacts at SB02 are not leaching into groundwater

3.3 Dissolved Phase Hydrocarbons

Current and historical groundwater analytical and gauging data collected from monitoring wells and potable wells are summarized in **Tables 1, 2, and 3**. Groundwater samples from monitoring wells MW-1 through MW-16 and DB-1 were most recently collected during the Second Quarter 2011 monitoring period on June 2, 2011 as reported in the Second Quarter Groundwater Monitoring Report date July 12, 2011. The groundwater samples were analyzed for full list VOCs including fuel oxygenates per EPA Method 8260. A review of **Table 1** indicates that MTBE has been detected at concentrations above the MDE action level of 20 µg/L in groundwater samples collected from monitoring wells MW-1, MW-2, MW- 7, MW-8, MW-12, MW-13, MW-14 and DB-1 Z1. The MTBE concentrations are exhibiting decreasing trends in each of these wells with the exception of DB-1 Z1 which is considered stable as MTBE concentrations have ranged from 1,010 to 1,900 µg/L since January 2010.

Trend graphs depicting MTBE concentrations over time for certain monitoring wells are provided in the April 2011 CSAR. No other COCs have been detected above the respective generic numeric groundwater cleanup standards, with the exception of two occurrences of benzene concentrations above the standard of 5 µg/L in monitoring well MW-2 (December 2007 and February 2008).

The on-site potable well and 13 off-site potable wells have been sampled during ongoing site assessment and monitoring events (**Figure 5**). Of the potable wells sampled, MTBE has been detected above the MDE action level in two off-site potable wells (8826 Fingerboard Road and 3514 Urbana Pike). Point of entry treatment systems have been installed at each residence and have been maintained and monitored on a quarterly basis since installation. These two potable wells are located to the northeast of the Site, and generally along strike of predominant bedrock fracture orientation.

Potable well samples have been collected from properties serviced by private supply wells which are located to the southwest, west, north and northeast of the Site, and COCs in these potable wells have been either not detected or detected at estimated values below the laboratory reporting limits. Influent water sample (untreated water) results in both wells have demonstrated decreasing MTBE concentrations, and currently the MTBE concentration in the influent water samples at 8826 Fingerboard Road is below the MDE action level of 20 µg/L.

Based on both the monitoring well and potable well network sampling data, MTBE is the dissolved phase COC which is present above the generic numeric groundwater cleanup standard. Dissolved phase MTBE concentrations are delineated both horizontally and vertically and are exhibiting decreasing trends. Notably, the MTBE concentrations in the POET influent samples collected during the first and second quarters in 2011 are below the MDE groundwater cleanup standard for the 8826 Fingerboard Road property. The monitoring well network will continue to be sampled and installation of additional monitoring wells is not considered warranted.

3.4 Vapor Phase Hydrocarbons

Vapor phase hydrocarbon concentrations have not been directly investigated because the likelihood for vapor phase impacts to be present at concentrations of concern to potential exposure pathways is limited due to: 1) the absence of LPH, 2) the limited and localized VOC concentrations in soil (SB02 area), and 3) the current site use and construction consisting of a slab on grade building and paved surfaces. In addition, a VEGE pilot test was completed in 2009 and laboratory analysis of extracted soil vapors indicated that VOC concentrations were concentrations below laboratory method detection. This confirms that unsaturated soils in the vicinity of the UST field are not impacted with VOCs that pose a vapor intrusion hazard or a source of petroleum hydrocarbons to leach into groundwater. As such, further evaluation of subsurface vapor phase hydrocarbons is not considered warranted.

4.0 SITE CONCEPTUAL MODEL SUMMARY

Site assessment for the Southside Facility #26463 including soil, groundwater and soil vapor sampling, geophysical survey, aquifer characterization studies and off-site potable well sampling has been completed. A total of 16 monitoring wells and a single deep bedrock well (DB-1) were installed throughout subsurface investigation activities. A geophysical survey and packer sampling was conducted on DB-1 in 2008 which confirmed that groundwater at the Site and vicinity resides primarily within and groundwater flow is governed by a fractured bedrock system. Aquifer characterization studies determined leaky confined behavioral properties for the aquifer at the Site. DB-1 was subsequently lined with a multi-zone isolation and sampling assembly (FLUTe™ liner) customized to monitor each of five identified fracture zones (denoted as DB-1(Z1) through DB-1(Z5)). The on-site potable well and thirteen off-site potable wells were also sampled to further assess and delineate dissolved phase impacts to the locally used aquifer.

Dissolved phase MTBE has been identified at the Site, and in two off-site potable wells located to the northeast of the Site along the predominant strike of bedrock fracture orientation. The MTBE in groundwater is recognized as the driving COC for the case. Soil sampling indicates that source material was effectively removed when the likely former source (former UST system) was removed in 2007. Two areas identified with soil samples with exceedances of their respective Protection of Groundwater standards (SB-3 and SB-4 at 30-32 feet, MW-12 at 29.5-30 feet, and SB02 at 14-15 feet) are both limited in extent and delineated, and in the case of soil borings SB-3 and SB-4, are likely attributed to dissolved phase concentrations in the vicinity and the sample depths from within the groundwater interface or capillary fringe at these locations.

A review of the groundwater analytical data since November 2005 indicates MTBE has been historically detected at concentrations ranging from below laboratory detection limits to a maximum of 71,200 µg/L in MW-2 (2005). Currently, the maximum MTBE concentration in monitoring wells is 830 µg/L in MW-12 with declining trends noted in each of the monitoring wells except DB-1(Z1). This zone corresponds to the fracture zones identified at the depth interval of 55.95 – 75.97 feet below grade.

Based on a review of the MTBE trends and soil analytical data from the Site, the source of dissolved phase MTBE concentrations above the groundwater cleanup standard was likely the former UST system which was removed in 2007, although no specific release mechanism or event has been identified.

Dissolved phase MTBE concentrations have been detected above the MDE action level consistently in the vicinity of the former UST system in the northeast portion of the Site; however, concentrations have declined significantly since the UST removal activities were completed in 2007. Additionally, the only soil samples from the site characterization activities which exhibited MTBE concentrations above the Protection of Groundwater Standards, were from the samples collected within the capillary fringe immediately to the northeast of the former UST field (SB-3 and SB-4/MW-7), further indicating that the former UST system removed in 2007 was likely the source of the MTBE impacts.

Drinking water is supplied to the Site by an on-site potable well (PW-1), which has been monitored on a quarterly basis since 2006. The MTBE concentrations in PW-1 have consistently been below MDE action levels with a maximum concentration of 4.3 µg/L on July 20, 2009. The current MTBE concentration in PW-1 is 1.1 µg/L (**Table 2**). Municipal water is the drinking water source for the adjacent property to the northeast of the Site, as well as for several other properties in the area, particularly to the south, east, and north of the Site, as shown on **Figure 5**.

Of the 13 off-site potable wells sampled, analytical results indicate MTBE impact above the MDE action level in two potable wells located at 8826 Fingerboard Road and 3514 Urbana Pike. Point of entry treatment systems have been maintained at both properties since March 2009. The quarterly sampling results for each property indicate decreasing MTBE concentrations in influent samples at both potable wells. Current MTBE concentrations (influent) at each potable well are 5.7 and 35 µg/L for 8826 Fingerboard Road and 2514 Urbana Pike, respectively.

Urbana Elementary School is located approximately 700 feet north of the site and off strike and up-dip of the observed impacted water bearing zone of bedrock. Monitoring of the school supply well is conducted by the MDE Water Supply Division. No impacts to the school wells have been reported by the MDE. Potable wells located off-strike and between the Site and the school also do not indicate off-site hydrocarbon impact. Most recently, MW-16 was installed off-strike between the Site and the school, with no COCs reported at concentrations above laboratory reporting limits.

Municipal water supply provided by Frederick County is available in the study area and is currently supplied to the property adjacent to the Site and to the property located at the intersection of Urbana Pike and Fingerboard Road. Existing water main lines and planned water service areas are illustrated on **Figure 5**.

The Frederick County Department of Engineering and Planning has confirmed feasibility and provided guidance on the remaining requirements to receive approval to connect both properties to municipal water. Also, a letter of certification of potential health hazard issued by the Frederick County Health Department has been completed for each property, which will assist in fulfilling zoning reclassification requirements for the connection. Copies of letters issued by the Frederick County Health Department and Frederick County Department of Engineering and Planning are provided in the April 2011 CSAR.

5.0 CORRECTIVE ACTION PLAN IMPLEMENTATION

Based on the evaluation of the MDE's seven risk factors as presented in the April 2011 CSAR, the Site is considered a candidate for corrective action to mitigate human exposure from the off-site groundwater ingestion pathway. The POET systems are currently maintained at the two off-site properties, 3514 Urbana Pike and 8826 Fingerboard Road, which have exhibited MTBE concentrations above the MDE's action level of 20 µg/L. The POET systems are effectively mitigating human exposure related to the groundwater ingestion pathway at these properties, as confirmed by quarterly POET system performance sampling. In the January 2011 sampling events, MTBE was not detected above laboratory detection limits in the off-site private water wells with the exception of 3514 Urbana Pike and 8826 Fingerboard Road. The on-site potable well has been regularly sampled since 2005 and MTBE concentrations have not been above 4.3 µg/L.

Kleinfelder, on behalf of Southside, presents the following plan to connect the properties located at 8826 Fingerboard Road and 3514 Urbana Pike to the available municipal water supply and eliminate the groundwater ingestion pathway. This CAP was developed based on the review of the site conceptual model, current and historical analytical data, the risk based evaluation presented in the April 2011 CSAR, and on the subsequent agreement of the MDE. In the MDE's June 7, 2011 *Request for Corrective Action Plan*, the MDE recommended that the Site also be connected to municipal water supply although the concentration of MTBE has remained below 5 ppb since August 2005. As the MTBE concentrations in the onsite well have consistently remained well below 5 ppb, plans to connect the Site to municipal water is not included in this CAP.

The following subsections outline the objectives and process to connect the two properties to municipal water supply.

5.1 Remedial Objectives

This CAP was prepared to remediate off-site potable well impacts at two properties (3514 Urbana Pike and 8826 Fingerboard Road) in accordance with COMAR 26.10.09. The remedial objective for this Site is to eliminate human exposure to MTBE via ingestion of impacted groundwater.

5.2 Municipal Water Supply Connection

Municipal water mains owned by the Frederick County Department of Public works are located along Fingerboard Road and provide service to properties located adjacent to the Site at 8824 Urbana Church Road (Dynamic Automotive) and also at 3504 Urbana Pike and 8832 Urbana Church Road. The water main that currently services 3504 Urbana Pike will be extended by approximately 200 feet in order to reach the property at 3514 Urbana Pike. Access to the water main for municipal water supply for the two affected properties at 3514 Urbana Pike and 8826 Fingerboard Road is currently approved by the Frederick County Department of Health.

5.2.1 Reclassification of Properties – Initial Permitting for Water Service Allocation

The current Frederick County water classification for the properties located at 3515 Urbana Pike and 8826 Fingerboard Road is W-5, meaning that both properties are designated for water service connection over a 7 to 10 year timeframe. Reclassification of the water service designation to W-4 or less (e.g., W-3) is required to enable connection to public water before its previously scheduled timeframe. Typically an application package is submitted and then reviewed at the next scheduled public Board of County Commissioners meeting to review reclassification requests. The next public Board meeting is in November 2011. However, because the Frederick County Health Department recognizes the potential health hazard associated with MTBE impacts at the potable wells of the properties, the application package will be expedited and reviewed as an out-of-sequence amendment by the board prior to their next public meeting.

Two separate applications will be prepared (one for each property) and submitted to the Frederick County Department of Planning Zoning. Each application will provide documents to conceptually show the plan for the waterline extension to serve each property and will also include estimates of the costs. The Department of Planning and Zoning will route the application package as appropriate to the Utilities and Solid Waste Division (USWMD) and the State Highway Authority (SHA). A separate submission will be completed for the County Environmental Compliance Section outlining the sediment control measures during the installation. Additional permits such as a grading permit may be required from the County as the Environmental Compliance Division advises. After a W-4 classification has been granted, an application may be submitted to the MDE for State construction permits. However, since the water extension is less than 10 inches in diameter, an MDE construction permit is not required.

Based on the potential health risk associated with the potable wells, attendance at meetings with the Planning Commission and the County Commissioners to support the applications may not be required. The Frederick County Department of Planning and Zoning will advise if attendance is required during the application review process.

Once the plans are approved, a Public Work Agreement (PWA) will be developed and executed for the waterline extension proposed for 3514 Urbana Pike. The PWA will outline the approved Improvement Plans, construction costs, and provide a guarantee of the costs valued at 115% of the cost based on the County-approved plans. Payment of the necessary construction administration and inspection fees will also be completed at that time.

Approximately five months are estimated for the completion of the permitting process from submittal of the initial permit application documents to final approval of the PWA.

5.2.2 Waterline Installation and Potable Well Abandonment – 8826 Fingerboard Road

Upon approval of the reclassification of the 8826 Fingerboard Road property, connection to the existing water main can be completed by a licensed plumber. Current County water plans indicate that a ¾-inch water stub already exists as provided under County water contract 208L-SW. A plumbing permit from the Department of Permits and Inspections is required before extending the water service to the property structure.

Upon completion of the connection and plumbing to the public water supply, the potable well serving the property will be disconnected by a licensed plumber. The disconnection of the potable well will be inspected by the Frederick County Plumbing Inspector. The potable well will be abandoned by a Maryland-licensed driller under the supervision of the County Health Department as directed by the USWMD. The existing POET system will also be removed at that time.

5.2.3 *Waterline Installation and Potable Well Abandonment – 3514 Urbana Pike*

Upon approval of the reclassification of the 3514 Urbana Pike, including any required SHA permitting, and execution of the PWA, construction activities for the extension of the existing water main will be initiated. The waterline is proposed to be extended to the northwest parallel to Urbana Pike and terminating at the boundary between 3514 Urbana Pike (Parcel 54) and 3526 Urbana Pike (Parcel 32) in accordance with County requirements. A plumbing permit from the Department of Permits and Inspections is required before extending the water service to the property structure. Construction will include trenching and installation of the line, followed by resurfacing and landscaping as designated in the County-approved Improvement Plan.

Upon completion of the connection and plumbing to public water supply, the potable well serving the property (Well Permit #FR-94-4632) will be disconnected by a licensed plumber. The disconnection of the potable well will be inspected by the Frederick County Plumbing Inspector. The potable well will be abandoned by a Maryland-licensed driller under the supervision of the County Health Department as directed by the USWMD. The existing POET system will also be removed at that time.

5.2.4 *Waste Management*

Construction debris and soils generated during the connection of both properties to municipal water supply will be transported for recycling or disposed at a landfill.

5.3 Deep Boring (DB-1) Abandonment

As requested by the MDE (Mr. Jim Richmond) in previous discussions during the MDE's review of the CSAR, Kleinfelder, on behalf of Southside, proposes the proper abandonment of bedrock boring DB-1. Sealing of DB-1 is also proposed to remove potential for groundwater mixing across bedrock joints or fracture zones. Abandonment of DB-1 will include the removal of the FLUTE™ liner that is currently in place in DB-1. Deep boring DB-1 is cased with steel casing to 39 feet below ground and is uncased (open hole) to 202 feet below grade. The FLUTE™ liner is customized with sampling ports at five discrete fracture zones (DB Z1 through DB1 Z5) which have been sampled on a quarterly basis since its installation in 2009. Once the liner is removed, the well will be tremie grouted from terminus to the top of surface casing using bentonite/Portland cement grout by a Maryland-licensed driller. A well sealing report will be submitted to the MDE upon completion of DB-1 abandonment.

5.4 Endpoints

Remedial activities will be considered complete when defined remedial endpoints are achieved. The remedial objective for this Site is to eliminate human exposure to MTBE via ingestion of impacted groundwater. As discussed in the Site Conceptual Model, only two off-site properties are documented with MTBE concentrations above MDE action levels during site characterization assessment. Therefore, remedial endpoint will be considered met when each of the two affected properties (8826 Fingerboard Road and 3514 Urbana Pike) have been connected to the municipal water supply, and the potable wells located at each property have been abandoned.

6.0 POST REMEDIAL ACTION MONITORING

Following completion of the waterline connections at 8826 Fingerboard Road and 3514 Urbana Pike, initiation of post remedial action monitoring (PRAM) of the existing monitoring well network and on-site potable well are proposed. Groundwater sampling of monitoring wells MW-1, MW-2, MW-4, MW-5, MW-7, MW-8, MW-12, MW-13, and MW-14 will be collected on a quarterly basis for laboratory analysis of BTEX compounds, MTBE, Tertiary Butyl Alcohol (TBA), Tertiary Amyl Methyl Ether (TAME), Ethyl Tertiary Butyl Ether (ETBE), and Di-Isopropyl Ether (DIPE) using EPA Method 8260B. The onsite potable well (PW-1) will also be sampled on a quarterly basis for full list VOCs and fuel oxygenates using EPA Method 524.2. Groundwater samples will be collected from the entire monitoring well network (i.e., including monitoring wells MW-3, MW-9, MW-10, MW-11, MW-15 and MW-16) on an annual basis for full list VOCs and fuel oxygenates using EPA Method 8260B. After one year of PRAM, an evaluation for case closure will be submitted to the MDE. As the Site is located within HRGUA and Wellhead Protection Areas, continued compliance groundwater monitoring will be completed by Southside as required following closure of Case No. 2006-0245-FR. .

7.0 REPORTING

A CAP Implementation report will be submitted to the MDE approximately 60 days from completion of waterline connections. Groundwater monitoring reports will be submitted quarterly to document sampling results of the monitoring well network and on-site potable well.

8.0 IMPLEMENTATION SCHEDULE

The following chart is a summary of major project milestones and associated estimated times of completion. The MDE will be contacted if there are any changes to the proposed implementation schedule outlined below.

Date	Task
August 2011	Submit CAP to MDE
September 2011	Receive CAP approval from MDE
October 2011	Abandonment of DB-1
October 2011	Submit Reclassification Application Package to Frederick County Planning & Zoning Department
January 2012	Receive approval of Improvement Plans and Reclassification Application
March –April 2012	Waterline Connection – 8826 Fingerboard Road
April-June 2012	Waterline Extension and Connection – 3514 Urbana Pike
July 2012	Submittal of CAP Implementation Letter Report to MDE

Kleinfelder, on behalf of Southside, is prepared to initiate the above schedule following the receipt of written approval of the CAP from the MDE. Please note that the proposed schedule is subject to change pending permitting requirements, delays in required approvals or inclement weather conditions prohibiting construction.

9.0 LIMITATIONS

This work was performed in a manner consistent with that level of care and skill ordinarily exercised by other members of Kleinfelder's profession practicing in the same locality, under similar conditions and at the date the services are provided. Our conclusions, opinions and recommendations are based on a limited number of observations and data. It is possible that conditions could vary between or beyond the data evaluated. Kleinfelder makes no other representation, guarantee, or warranty, express or implied, regarding the services, communication (oral or written), report, opinion, or instrument of service provided.

This report may be used only by the Client and only for the purposes stated for this specific engagement within a reasonable time from its issuance, but in no event later than two (2) years from the date of the report.

Kleinfelder offers various levels of investigative and engineering services to suit the varying needs of different clients. It should be recognized that definition and evaluation of geologic and environmental condition are a difficult and inexact science. Judgments leading to conclusions and recommendations are generally made with incomplete knowledge of the subsurface conditions present. Although risk can never be eliminated, more-detailed and extensive investigations yield more information, which may help understand and manage the level of risk. Since detailed investigation and analysis involves greater expense, our clients participate in determining levels of service that provide adequate information for their purposes at acceptable levels of risk. More extensive studies, including subsurface investigations or field tests, may be performed to reduce uncertainties. Acceptance of this report will indicate that Client has reviewed the document and determined that it does not need or want a greater level of service than provided.

10.0 REFERENCES

1968 Geologic Map of Maryland, Maryland Geologic Survey compiled by Emery T. Cleaves, Jonathon Edwards, Jr., John D. Glaser; prepared under the supervision of Kenneth N. Weaver.

1999 Geologic Map of The Urbana Quadrangle, Frederick and Montgomery Counties, Maryland, United States Geologic Survey, by Scott Southworth.

2002 Digital Geologic Map and Database of the Frederick 30' X 60' Quadrangle, Maryland, Virginia, and West Virginia, United States Geologic Survey, by Scott Southworth, David K. Brezinski, Avery Ala Drake Jr., William C Burton, Randall Orndorff, and Albert J Froelich.

Frederick County Geographic Information Systems Department, Water Service Area Plans, 2009.

Kleinfelder East, Inc., *Comprehensive Site Assessment Report*, April 2011.

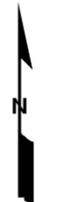
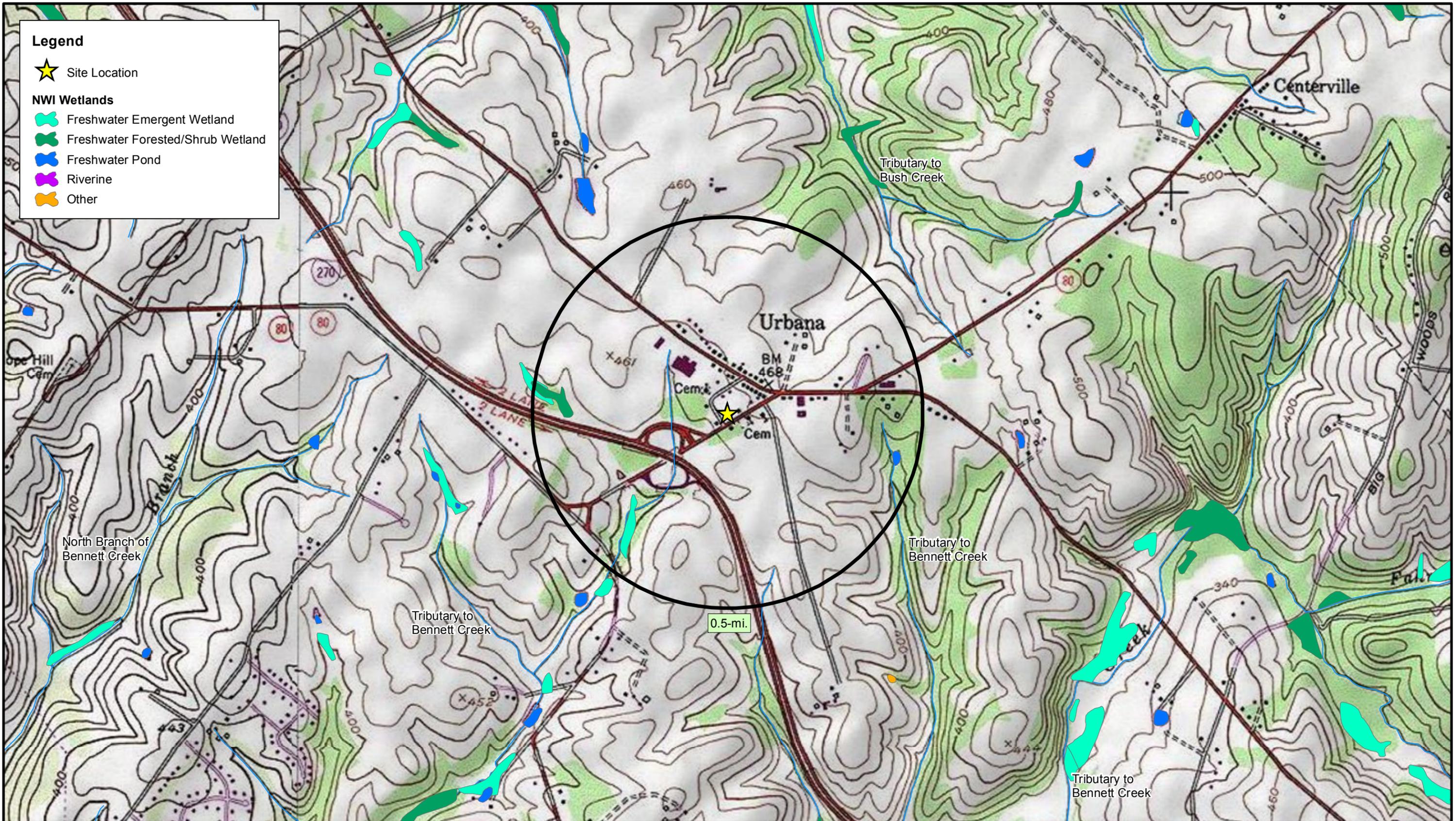
FIGURES

Legend

★ Site Location

NWI Wetlands

-  Freshwater Emergent Wetland
-  Freshwater Forested/Shrub Wetland
-  Freshwater Pond
-  Riverine
-  Other



Topography mapped in 1953
by U.S. Army Corps of Engineers.
Revised/Inspected in 1986 by USGS.



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Cartography By: B. Myers

Date: 04/07/11

Regional Area Map

SOUTHSIDE FACILITY #26463
8816 FINGERBOARD ROAD
FREDERICK, MD
FREDERICK COUNTY

Project Number: 113847

File Name: RAM

Figure
1

Legend

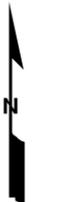
- ★ Site Location

Well Type

- Private
- ⊗ Abandoned Private
- Suspected Private
- △ Suspected Public/Commercial
- ▲ Public Commercial
- ▲ Public Sensitive

Property Use

- Commercial
- Public
- Residential
- Agricultural
- Vacant
- B** Basement



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Cartography By: B. Myers

Date: 04/07/11

Local Area Map

SOUTHSIDE FACILITY #26463
 8816 FINGERBOARD ROAD
 FREDERICK, MD
 FREDERICK COUNTY

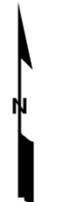
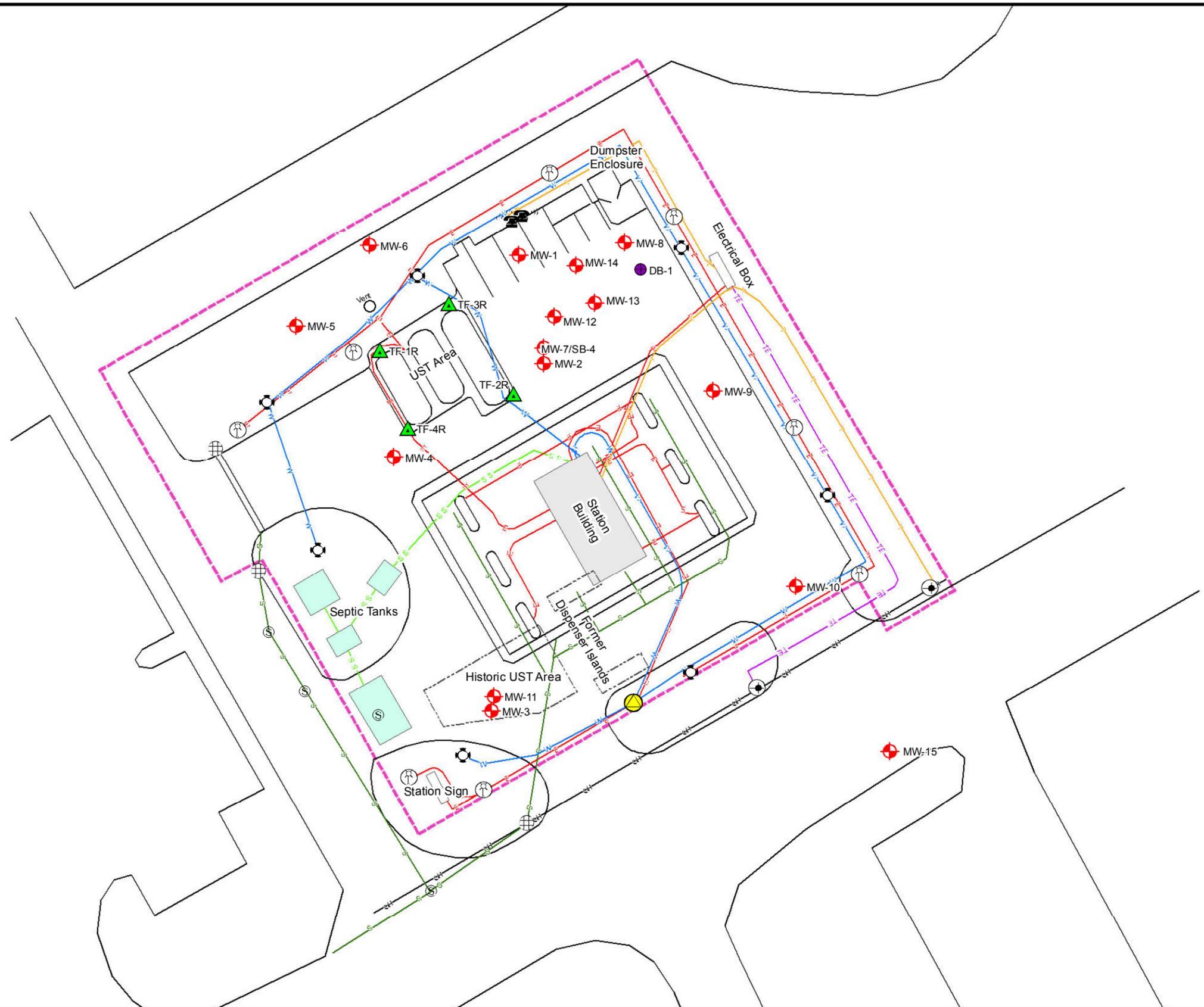
Project Number: 113847

File Name: LAM

Figure
2

Legend

- Deep Bedrock Boring Location
- ⊕ Monitoring Well
- ▲ Tank Field Well
- Potable Well
- ⊕ Electric Pole
- ⊕ Area Light
- ☎ Telephone
- ⊕ Water Spigot
- ⊕ Manhole
- ⊕ Catch Basin
- Electric
- Overhead
- Product Piping
- Sanitary Sewer
- Storm Sewer
- Tel & Electric
- Telephone
- Water Line
- Base Map Features
- ▭ Property Boundary
- ▭ Former UST Area
- ▭ Former Dispenser Islands
- Building
- Septic Tank
- Electrical Box
- Station Sign



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Cartography By: B. Myers

Date: 4/7/2011

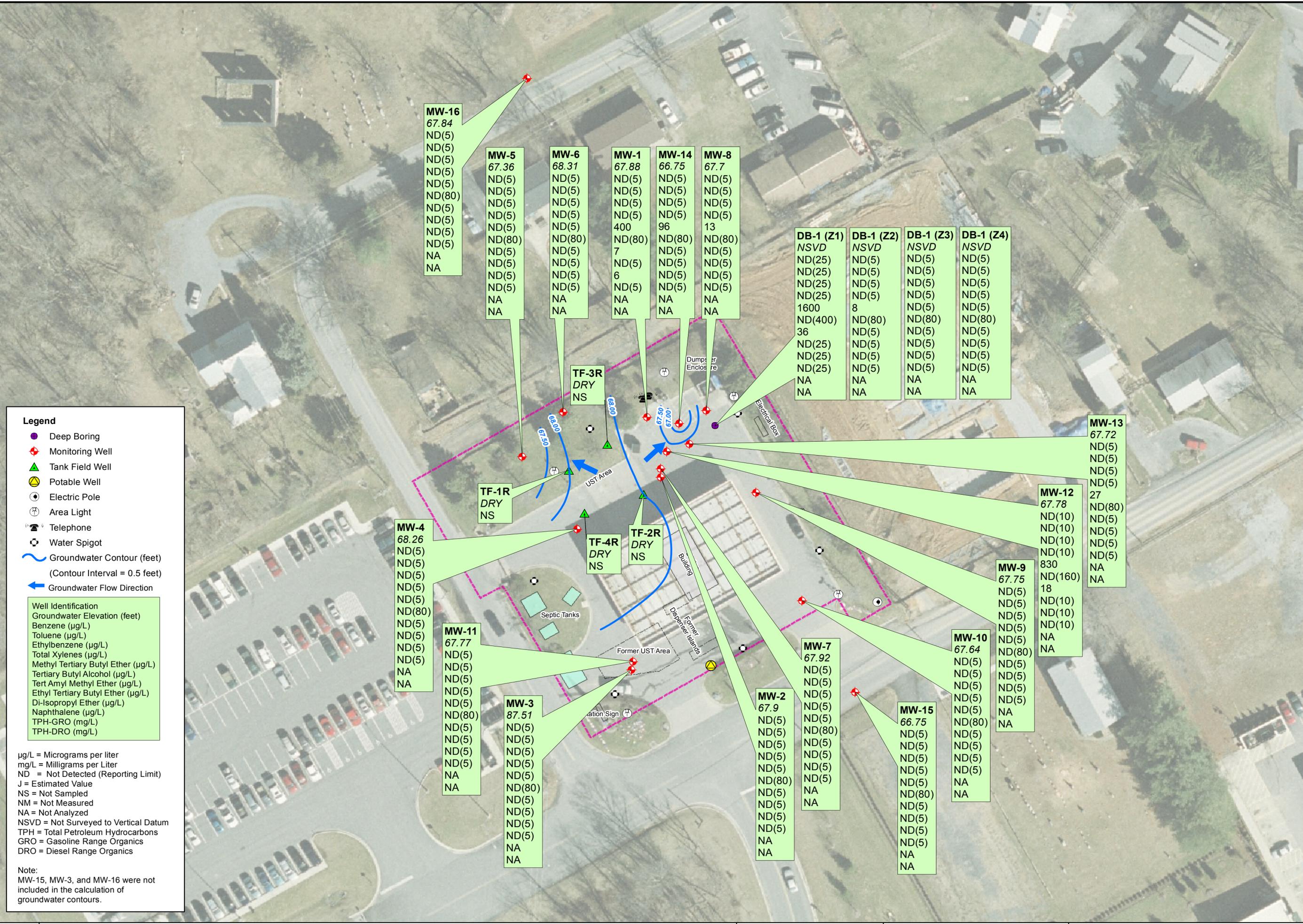
Site Plan

SOUTHSIDE FACILITY #26463
 8816 FINGERBOARD ROAD
 FREDERICK, MD
 FREDERICK COUNTY

Project Number: 113847

File Name: SP

Figure
3



- Legend**
- Deep Boring
 - ⊕ Monitoring Well
 - ▲ Tank Field Well
 - ⊙ Potable Well
 - ⊙ Electric Pole
 - ⊙ Area Light
 - ⊙ Telephone
 - ⊙ Water Spigot
 - ~ Groundwater Contour (feet)
(Contour Interval = 0.5 feet)
 - Groundwater Flow Direction

Well Identification	
Groundwater Elevation (feet)	
Benzene (µg/L)	
Toluene (µg/L)	
Ethylbenzene (µg/L)	
Total Xylenes (µg/L)	
Methyl Tertiary Butyl Ether (µg/L)	
Tertiary Butyl Alcohol (µg/L)	
Tert Amyl Methyl Ether (µg/L)	
Ethyl Tertiary Butyl Ether (µg/L)	
Di-Isopropyl Ether (µg/L)	
Naphthalene (µg/L)	
TPH-GRO (mg/L)	
TPH-DRO (mg/L)	

µg/L = Micrograms per liter
 mg/L = Milligrams per Liter
 ND = Not Detected (Reporting Limit)
 J = Estimated Value
 NS = Not Sampled
 NM = Not Measured
 NA = Not Analyzed
 NSVD = Not Surveyed to Vertical Datum
 TPH = Total Petroleum Hydrocarbons
 GRO = Gasoline Range Organics
 DRO = Diesel Range Organics

Note:
 MW-15, MW-3, and MW-16 were not included in the calculation of groundwater contours.

MW-16
67.84
ND(5)
ND(5)
ND(5)
ND(5)
ND(80)
ND(5)
NA
NA

MW-5
67.36
ND(5)
ND(80)
ND(5)
ND(5)
ND(5)
ND(5)
NA
NA

MW-6
68.31
ND(5)
ND(80)
ND(5)
ND(5)
ND(5)
NA
NA

MW-1
67.88
ND(5)
400
ND(80)
7
ND(5)
6
ND(5)
NA
NA

MW-14
66.75
ND(5)
96
ND(80)
ND(5)
ND(5)
ND(5)
NA
NA

MW-8
67.7
ND(5)
13
ND(80)
ND(5)
ND(5)
ND(5)
NA
NA

DB-1 (Z1)
NSVD
ND(25)
1600
ND(400)
36
ND(25)
ND(25)
ND(25)
NA
NA

DB-1 (Z2)
NSVD
ND(5)
8
ND(80)
ND(5)
ND(5)
ND(5)
NA
NA

DB-1 (Z3)
NSVD
ND(5)
ND(80)
ND(5)
ND(5)
ND(5)
NA
NA

DB-1 (Z4)
NSVD
ND(5)
ND(80)
ND(5)
ND(5)
ND(5)
NA
NA

MW-4
68.26
ND(5)
ND(80)
ND(5)
ND(5)
ND(5)
ND(5)
NA
NA

MW-11
67.77
ND(5)
ND(80)
ND(5)
ND(5)
ND(5)
ND(5)
NA
NA

MW-3
87.51
ND(5)
ND(80)
ND(5)
ND(5)
ND(5)
ND(5)
NA
NA

TF-3R
DRY
NS

TF-2R
DRY
NS

TF-4R
DRY
NS

TF-1R
DRY
NS

MW-7
67.92
ND(5)
ND(80)
ND(5)
ND(5)
ND(5)
ND(5)
NA
NA

MW-2
67.9
ND(5)
ND(80)
ND(5)
ND(5)
ND(5)
ND(5)
NA
NA

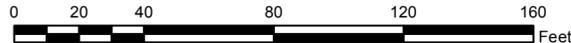
MW-15
66.75
ND(5)
ND(80)
ND(5)
ND(5)
ND(5)
ND(5)
NA
NA

MW-10
67.64
ND(5)
ND(80)
ND(5)
ND(5)
ND(5)
ND(5)
NA
NA

MW-9
67.75
ND(5)
ND(10)
18
ND(160)
830
NA
NA

MW-12
67.78
ND(10)
27
ND(80)
ND(5)
ND(5)
ND(5)
NA
NA

MW-13
67.72
ND(5)
ND(5)
ND(5)
ND(5)
27
ND(80)
ND(5)
ND(5)
ND(5)
ND(5)
NA
NA

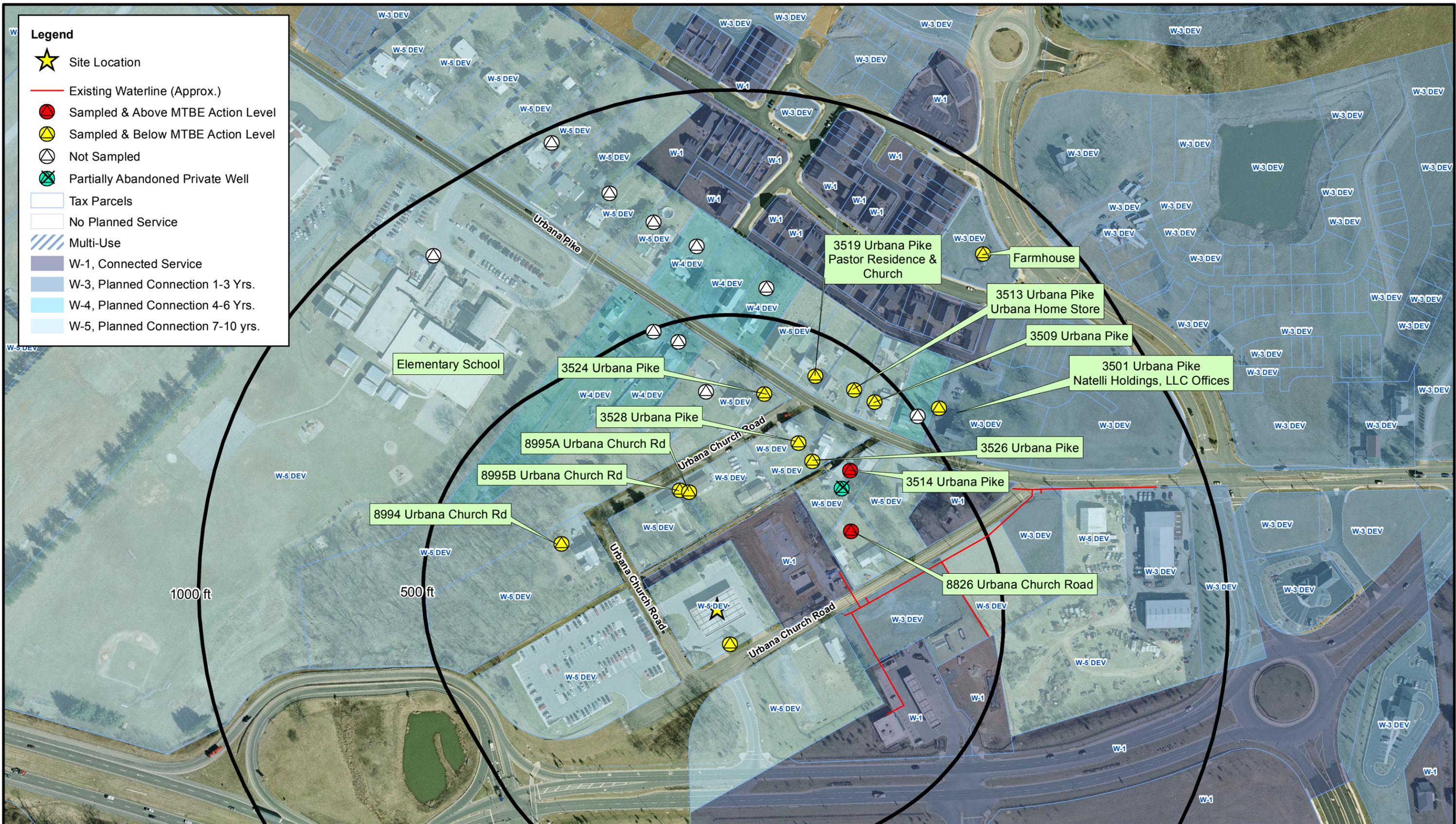


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HYDROCARBON DISTRIBUTION / GROUNDWATER CONTOUR MAP: JUNE 2, 2011

SOUTHSIDE FACILITY #26463 8816 FINGERBOARD ROAD FREDERICK, MD FREDERICK COUNTY	Figure 4
Project Number: 113847	File Name: HD Map

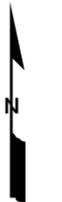


Legend

- ★ Site Location
- Existing Waterline (Approx.)
- Sampled & Above MTBE Action Level
- Sampled & Below MTBE Action Level
- Not Sampled
- ⊗ Partially Abandoned Private Well
- Tax Parcels
- No Planned Service
- Multi-Use
- W-1, Connected Service
- W-3, Planned Connection 1-3 Yrs.
- W-4, Planned Connection 4-6 Yrs.
- W-5, Planned Connection 7-10 yrs.

1000 ft

500 ft



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Cartography By: B. Myers

Date: 03/22/11

Local Area Map - Potable Well Sample Locations

SOUTHSIDE FACILITY #26463
 8816 FINGERBOARD ROAD
 FREDERICK, MD
 FREDERICK COUNTY

Project Number: 113847

File Name: PW Sample

Figure
5

TABLES

TABLE 1
Groundwater Monitoring & Analytical Data
 Southside Facility #26463
 8816 Fingerboard Road
 Frederick, Frederick County, MD
 August 4, 2005 through June 2, 2011

Sample ID	Date	Gauging Data					Analytical Data													Comments
		Top of Casing Elevation	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Naphthalene (µg/L)	TPH-GRO (mg/L)	TPH-DRO (mg/L)	
MW-1	8/4/2005	98.72	28.80	ND	ND	69.92	ND	ND	ND	ND	BRL	6000	NA	NA	NA	NA	NA	NA	NA	S.I. = 15-45.9 ft-bgs
	3/16/2006	98.72	29.42	ND	ND	69.30	ND(50)	ND(50)	ND(50)	ND(50)	BRL	6910	ND(1300)	150 J	ND(250)	66.1 J	ND(250)	6.39	ND(0.11)	
	6/13/2006	98.72	30.70	ND	ND	68.02	ND(10)	ND(10)	ND(10)	ND(10)	BRL	8680	ND(250)	172	ND(50)	59.3	ND(50)	4.65	ND(0.1)	
	9/8/2006	98.72	31.35	ND	ND	67.37	ND(10)	ND(10)	ND(10)	ND(10)	BRL	8620	ND(250)	203	ND(50)	50.1	ND(50)	4.95	ND(0.10)	
	10/16/2006	97.39	31.63	ND	ND	65.76	ND(50)	ND(50)	ND(50)	ND(50)	BRL	9670	ND(1300)	259	ND(250)	53.2 J	ND(250)	13	ND(0.1)	
	2/6/2007	97.39	30.56	ND	ND	66.83	ND(20)	ND(20)	ND(20)	ND(20)	BRL	11700	ND(500)	304	ND(100)	80.4 J	ND(100)	11.0	ND(0.10)	
	3/1/2007	97.39	30.48	ND	ND	66.91	ND(10)	ND(10)	ND(10)	ND(10)	BRL	10400	130 J	244	ND(50)	63.6	ND(50)	NA	NA	
	6/28/2007	97.39	30.26	ND	ND	67.13	ND(50)	ND(50)	ND(50)	ND(50)	BRL	19400	659 J	357	ND(250)	109 J	ND(250)	17.0	ND(0.10)	
	8/27/2007	97.39	31.47	ND	ND	65.92	ND(20)	ND(20)	ND(20)	ND(20)	BRL	12300	385 J	260	ND(100)	106	ND(100)	18.2	0.282	
	12/5/2007	97.39	32.75	ND	ND	64.64	ND(20)	ND(20)	ND(20)	ND(20)	BRL	13400	ND(500)	235	ND(100)	87.8 J	ND(100)	7.46	0.202	
	2/21/2008	97.39	32.73	ND	ND	64.66	ND(25)	ND(25)	ND(25)	ND(25)	BRL	12700	ND(630)	225	ND(130)	107 J	ND(130)	13.4	0.179	
	5/13/2008	97.39	31.23	ND	ND	66.16	ND(10)	ND(10)	ND(10)	ND(10)	BRL	7770	ND(250)	124	6.8 J	88.7	ND(50)	7.30	0.202 B	
	9/3/2008	97.39	31.23	ND	ND	66.16	ND(25)	ND(25)	ND(25)	ND(25)	BRL	10700	ND(630)	179	11.4 J	61.9 J	ND(130)	11.5	ND(0.10)	
	11/24/2008	97.39	32.10	ND	ND	65.29	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	BRL	8650	194	157	13.9 J	78.4	ND(25)	11.6	ND(0.10)	
	2/23/2009	97.39	32.15	ND	ND	65.24	ND(20)	ND(20)	ND(20)	ND(20)	BRL	5750	ND(500)	107	9.5 J	ND(100)	ND(100)	NA	NA	
	5/29/2009	97.39	31.54	ND	ND	65.85	ND(10)	ND(10)	ND(10)	ND(10)	BRL	5590	141 J	118	ND(50)	49.3 J	ND(50)	NA	NA	
	7/20/2009	97.39	30.95	ND	ND	66.44	ND(10)	ND(10)	ND(10)	ND(10)	BRL	3570	ND(250)	65.1	5.2 J	31.9 J	ND(50)	NA	NA	
	8/5/2009	97.39	31.02	ND	ND	66.37	ND(10)	ND(10)	ND(10)	ND(10)	BRL	4360	NA	NA	NA	NA	ND(50)	2.12	ND(0.10)	
	10/29/2009	97.39	31.75	ND	ND	65.64	ND(10)	ND(10)	ND(10)	ND(10)	BRL	3560	ND(250)	62.4	5.3 J	27.0 J	ND(50)	NA	NA	
	1/27/2010	97.39	30.14	ND	ND	67.25	ND(10)	ND(10)	ND(10)	ND(10)	BRL	2330	ND(250)	38.8 J	3.6 J	19.1 J	ND(50)	NA	NA	
4/1/2010	97.39	28.57	ND	ND	68.82	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	BRL	1260	ND(130)	27.6	1.9 J	12.6 J	ND(25)	NA	NA		
8/30/2010	97.39	30.79	ND	ND	66.60	ND(5)	ND(5)	ND(5)	ND(5)	BRL	900	ND(80)	19	ND(5)	13	ND(5)	NA	NA		
12/14/2010	97.39	31.76	ND	ND	65.63	ND(5)	ND(5)	ND(5)	ND(5)	BRL	540	ND(80)	12	ND(5)	10	ND(5)	NA	NA		
3/2/2011	97.39	32.27	ND	ND	65.12	ND(5)	ND(5)	ND(5)	ND(5)	BRL	590	ND(80)	13	ND(5)	9	ND(5)	NA	NA		
06/02/2011	97.39	29.51	ND	ND	67.88	ND(5)	ND(5)	ND(5)	ND(5)	BRL	400	ND(80)	7	ND(5)	6	ND(5)	NA	NA		
MW-2	8/4/2005	98.74	28.15	ND	ND	70.59	1.92	ND	ND	ND	1.92	71200	NA	NA	NA	NA	NA	NA	NA	S.I. = 15-39.7 ft-bgs
	3/16/2006	98.74	29.43	ND	ND	69.31	ND(20)	ND(20)	ND(20)	ND(20)	BRL	25000	24800	553	ND(100)	118	ND(100)	22.5	ND(0.1)	
	6/13/2006	98.74	30.70	ND	ND	68.04	ND(20)	ND(20)	ND(20)	ND(20)	BRL	25000	25700	454	ND(100)	103	ND(100)	14.3	ND(0.1)	
	9/8/2006	98.74	31.36	ND	ND	67.38	ND(50)	ND(50)	ND(50)	ND(50)	BRL	23800	16400	344	ND(250)	80.6 J	ND(250)	13.6	ND(0.10)	
	10/16/2006	97.37	31.60	ND	ND	65.77	ND(200)	ND(200)	ND(200)	ND(200)	BRL	36200	37500	548 J	ND(1000)	133 J	ND(1000)	46	0.153	
	2/6/2007	97.37	30.50	ND	ND	66.87	ND(100)	ND(100)	ND(100)	ND(100)	BRL	56700	47200	873	ND(500)	297 J	ND(500)	52.2	0.248	
	6/28/2007	97.37	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/27/2007	97.37	31.45	ND	ND	65.92	4.6 J	ND(20)	ND(20)	ND(20)	4.6	14200	8510	250	10.5 J	273	ND(100)	18.9	0.410	
	12/5/2007	97.37	32.98	ND	ND	64.39	11.7	ND(10)	ND(10)	ND(10)	11.7	8940	14000	148	8.1 J	275	ND(50)	5.54	0.211	
	2/21/2008	97.37	32.74	ND	ND	64.63	7.2 J	ND(10)	ND(10)	ND(10)	7.2	2010	7710	42.9 J	5.2 J	222	ND(50)	2.98	0.205	
	5/13/2008	97.37	30.54	ND	ND	66.83	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	14.9	ND(25)	ND(5.0)	ND(5.0)	24.4	ND(5.0)	ND(0.20)	ND(0.10)	
	9/3/2008	97.37	31.10	ND	ND	66.27	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	351	160	6.2	0.28 J	20.4	ND(5.0)	0.571	ND(0.10)	
	11/24/2008	97.37	32.17	ND	ND	65.20	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	55.1	61.3	ND(5.0)	ND(5.0)	12.4	ND(5.0)	ND(0.20)	ND(0.11)	
	2/23/2009	97.37	32.27	ND	ND	65.10	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	40.1	ND(25)	ND(5.0)	ND(5.0)	2.7 J	ND(5.0)	NA	NA	
	5/29/2009	97.37	31.54	ND	ND	65.83	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	1300	291	30.6	2.4 J	27.7	ND(5.0)	NA	NA	
	7/20/2009	97.37	30.91	ND	ND	66.46	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	3.1	ND(25)	ND(5.0)	ND(5.0)	2.4 J	ND(5.0)	NA	NA	
	8/5/2009	97.37	31.05	ND	ND	66.32	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	39.5	NA	NA	NA	NA	ND(5.0)	ND(0.20)	ND(0.10)	
	10/29/2009	97.37	31.48	ND	ND	65.89	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	0.50 J	ND(25)	ND(5.0)	ND(5.0)	4.0 J	ND(5.0)	NA	NA	
	1/27/2010	97.37	30.04	ND	ND	67.33	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	19.3	ND(25)	ND(5.0)	ND(5.0)	0.98 J	ND(5.0)	NA	NA	
	4/1/2010	97.37	28.58	ND	ND	68.79	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	6.1	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	NA	NA	
8/30/2010	97.37	30.97	ND	ND	66.40	ND(5)	ND(5)	ND(5)	ND(5)	BRL	530	ND(80)	11	ND(5)	8	ND(5)	NA	NA		
12/14/2010	97.37	31.95	ND	ND	65.42	ND(5)	ND(5)	ND(5)	ND(5)	BRL	53	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	NA	NA		
3/2/2011	97.37	32.19	ND	ND	65.18	ND(5)	ND(5)	ND(5)	ND(5)	BRL	76	110	ND(5)	ND(5)	6	ND(5)	NA	NA		
06/02/2011	97.37	29.47	ND	ND	67.90	ND(5)	ND(5)	ND(5)	ND(5)	BRL	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	NA	NA		

TABLE 1
Groundwater Monitoring & Analytical Data
 Southside Facility #26463
 8816 Fingerboard Road
 Frederick, Frederick County, MD
 August 4, 2005 through June 2, 2011

Sample ID	Date	Gauging Data					Analytical Data														Comments
		Top of Casing Elevation	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Naphthalene (µg/L)	TPH-GRO (mg/L)	TPH-DRO (mg/L)		
MW-3	8/4/2005	97.57	9.30	ND	ND	88.27	ND	6.31	2.67	5.93	14.91	2.5	NA	NA	NA	NA	NA	NA	NA	S.I. = 2-10.47 ft-bgs	
	3/16/2006	97.57	7.62	ND	ND	89.95	ND(1)	21.2	ND(1)	ND(1)	21.2	1.7	ND(25)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.2)	0.405	
	6/13/2006	97.57	7.45	ND	ND	90.12	ND(1)	0.88 J	ND(1)	ND(1)	0.88	0.71 J	ND(25)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.2)	0.405	
	9/8/2006	97.57	8.21	ND	ND	89.36	0.57 J	0.78 J	ND(1.0)	ND(1.0)	1.35	ND(1.0)	32.3	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(0.20)	0.420		
	10/26/2006	96.18	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	2/6/2007	96.18	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/28/2007	96.18	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/27/2007	96.18	8.06	ND	ND	88.12	ND(1.0)	3.4	ND(1.0)	ND(1.0)	3.4	1.6	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(0.20)	0.710		
	12/5/2007	96.18	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	2/21/2008	96.18	6.50	ND	ND	89.68	0.31 J	1.3	ND(1.0)	ND(1.0)	1.6	0.89 J	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(0.20)	9.64		
	5/13/2008	96.18	7.10	ND	ND	89.08	ND(1.0)	1.0	ND(1.0)	ND(1.0)	1.0	0.73 J	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(0.20)	18.6		
	9/3/2008	96.18	6.61	ND	ND	89.57	ND(1.0)	3.7	ND(1.0)	ND(1.0)	3.7	2.9	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(0.20)	0.424		
	11/24/2008	96.18	6.68	ND	ND	89.50	ND(1.0)	0.38 J	ND(1.0)	ND(1.0)	0.38	2.1	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(0.20)	2.25		
	2/23/2009	96.18	7.23	ND	ND	88.95	ND(1.0)	21.9	0.42 J	ND(1.0)	22.3	1.4	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	NA	NA		
	5/29/2009	96.18	6.41	ND	ND	89.77	ND(1.0)	1.4	ND(1.0)	ND(1.0)	1.7	1.8	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	NA	NA		
	7/20/2009	96.18	6.46	ND	ND	89.72	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	0.62 J	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	NA	NA		
	8/5/2009	96.18	6.61	ND	ND	89.57	ND(1.0)	0.91 J	ND(1.0)	ND(1.0)	0.91	1.6	NA	NA	NA	NA	ND(5.0)	ND(0.20)	0.217		
	10/29/2009	96.18	7.14	ND	ND	89.04	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	NA	NA		
	1/27/2010	96.18	4.86	ND	ND	91.32	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	NA	NA		
	4/1/2010	96.18	6.80	ND	ND	89.38	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	NA	NA		
8/30/2010	96.18	6.96	ND	ND	89.22	ND(5)	ND(5)	ND(5)	ND(5)	BRL	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	NA	NA			
12/14/2010	96.18	8.06	ND	ND	88.12	ND(5)	ND(5)	ND(5)	ND(5)	BRL	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	NA	NA			
3/2/2011	96.18	10.40	ND	ND	85.78	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS			
06/02/2011	96.18	8.67	ND	ND	87.51	ND(5)	ND(5)	ND(5)	ND(5)	BRL	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	NA	NA			
MW-4	8/4/2005	97.40	27.24	ND	ND	70.16	ND	ND	ND	BRL	12.1	NA	NA	NA	NA	NA	NA	NA	NA	S.I. =15-39.88 ft-bgs	
	3/16/2006	97.40	27.84	ND	ND	69.56	ND(1)	ND(1)	ND(1)	ND(1)	BRL	18.1	ND(25)	2.7 J	ND(5)	ND(5)	ND(5)	ND(0.2)	ND(0.1)		
	6/13/2006	97.40	29.15	ND	ND	68.25	0.46 J	ND(1)	ND(1)	ND(1)	0.46	8	ND(25)	1.9 J	ND(5)	ND(5)	ND(5)	0.328	ND(0.1)		
	9/8/2006	97.40	29.67	ND	ND	67.73	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	11.8	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(0.20)	ND(0.10)		
	10/16/2006	96.12	29.97	ND	ND	66.15	ND(1)	ND(1)	ND(1)	ND(1)	BRL	9.6	ND(25)	ND(5)	ND(5)	0.83 J	ND(5)	ND(0.2)	ND(0.1)		
	2/6/2007	96.12	28.37	ND	ND	67.75	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	5.0	ND(25)	ND(5.0)	ND(5.0)	1.8 J	ND(5.0)	ND(0.20)	ND(0.10)		
	6/28/2007	96.12	28.63	ND	ND	67.49	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	4.0	ND(25)	0.62 J	ND(5.0)	0.52 J	ND(5.0)	ND(0.20)	ND(0.10)		
	8/27/2007	96.12	29.92	ND	ND	66.20	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	3.3	ND(25)	0.56 J	ND(5.0)	0.48 J	ND(5.0)	ND(0.20)	ND(0.10)		
	12/5/2007	96.12	31.49	ND	ND	64.63	ND(1.0)	ND(1.0)	0.77 J	0.44 J	1.21	7.7	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	0.75 J	ND(0.20)	ND(0.11)		
	2/21/2008	96.12	31.50	ND	ND	64.62	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	2.1	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(0.20)	ND(0.10)		
	5/13/2008	96.12	29.40	ND	ND	66.72	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	1.0	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(0.20)	0.143		
	9/3/2008	96.12	29.66	ND	ND	66.46	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	0.94 J	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(0.20)	ND(0.10)		
	11/24/2008	96.12	30.57	ND	ND	65.55	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	2.3	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(0.20)	ND(0.10)		
	2/23/2009	96.12	30.79	ND	ND	65.33	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	2.9	ND(25)	0.78 J	ND(5.0)	ND(5.0)	ND(5.0)	NA	NA		
	5/29/2009	96.12	30.00	ND	ND	66.12	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	3.1	ND(25)	0.98 J	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	NA	NA	
	7/20/2009	96.12	29.38	ND	ND	66.74	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	3.2	ND(25)	0.96 J	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	NA	NA	
	8/5/2009	96.12	29.44	ND	ND	66.68	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	1.2	NA	NA	NA	NA	ND(5.0)	ND(0.20)	ND(0.10)		
	10/29/2009	96.12	30.26	ND	ND	65.86	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	NA	NA		
	1/27/2010	96.12	28.65	ND	ND	67.47	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	NA	NA		
	4/1/2010	96.12	27.07	ND	ND	69.05	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	NA	NA		
8/30/2010	96.12	29.10	ND	ND	67.02	ND(5)	ND(5)	ND(5)	ND(5)	BRL	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	NA	NA			
12/14/2010	96.12	30.35	ND	ND	65.77	ND(5)	ND(5)	ND(5)	ND(5)	BRL	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	NA	NA			
3/2/2011	96.12	30.95	ND	ND	65.17	ND(5)	ND(5)	ND(5)	ND(5)	BRL	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	NA	NA			
06/02/2011	96.12	27.86	ND	ND	68.26	ND(5)	ND(5)	ND(5)	ND(5)	BRL	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	NA	NA			

TABLE 1
Groundwater Monitoring & Analytical Data
 Southside Facility #26463
 8816 Fingerboard Road
 Frederick, Frederick County, MD
 August 4, 2005 through June 2, 2011

Sample ID	Date	Gauging Data					Analytical Data													Comments
		Top of Casing Elevation	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Naphthalene (µg/L)	TPH-GRO (mg/L)	TPH-DRO (mg/L)	
MW-5	10/16/2006	92.16	27.11	ND	ND	65.05	ND(1)	ND(1)	ND(1)	ND(1)	BRL	0.37 J	ND(25)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.2)	ND(0.1)	S.I. = 25-50 ft-bgs
	2/6/2007	92.16	25.94	ND	ND	66.22	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	1.0	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(0.20)	ND(0.10)	
	6/28/2007	92.16	25.52	ND	ND	66.64	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	0.39 J	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(0.20)	ND(0.10)	
	8/27/2007	92.16	26.95	ND	ND	65.21	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(0.20)	ND(0.10)	
	12/5/2007	92.16	28.60	ND	ND	63.56	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	0.50 J	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(0.20)	ND(0.10)	
	2/21/2008	92.16	28.40	ND	ND	63.76	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	0.39 J	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(0.20)	ND(0.10)	
	5/13/2008	92.16	26.83	ND	ND	65.33	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(0.20)	ND(0.10)	
	9/3/2008	92.16	26.65	ND	ND	65.51	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(0.20)	ND(0.10)	
	11/24/2008	92.16	27.64	ND	ND	64.52	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	0.57 J	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(0.20)	ND(0.10)	
	2/23/2009	92.16	27.57	ND	ND	64.59	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	NA	NA	
	5/29/2009	92.16	27.10	ND	ND	65.06	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	0.49 J	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	NA	NA	
	7/20/2009	92.16	26.28	ND	ND	65.88	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	0.27 J	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	NA	NA	
	8/5/2009	92.16	26.32	ND	ND	65.84	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	NA	NA	NA	NA	ND(0.20)	ND(0.10)		
	10/29/2009	92.16	27.29	ND	ND	64.87	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	NA	NA	
	1/27/2010	92.16	25.32	ND	ND	66.84	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	0.23 J	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	NA	NA	
	4/1/2010	92.16	23.92	ND	ND	68.24	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	0.28 J	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	NA	NA	
	8/30/2010	92.16	26.09	ND	ND	66.07	ND(5)	ND(5)	ND(5)	ND(5)	BRL	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	NA	NA	
	12/14/2010	92.16	27.34	ND	ND	64.82	ND(5)	ND(5)	ND(5)	ND(5)	BRL	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	NA	NA	
	3/2/2011	92.16	28.76	ND	ND	63.40	ND(5)	ND(5)	ND(5)	ND(5)	BRL	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	NA	NA	
06/02/2011	92.16	24.8	ND	ND	67.36	ND(5)	ND(5)	ND(5)	ND(5)	BRL	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	NA	NA		
MW-6	10/16/2006	93.35	27.39	ND	ND	65.96	ND(1)	ND(1)	ND(1)	ND(1)	BRL	0.86 J	ND(25)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.2)	ND(0.1)	S.I. = 25-49 ft-bgs
	2/6/2007	93.35	23.15	ND	ND	70.20	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	2.7	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(0.20)	ND(0.10)	
	6/28/2007	93.35	26.02	ND	ND	67.33	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(0.20)	ND(0.10)	
	8/27/2007	93.35	27.23	ND	ND	66.12	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(0.20)	ND(0.10)	
	12/5/2007	93.35	28.88	ND	ND	64.47	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	0.39 J	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(0.20)	ND(0.10)	
	2/21/2008	93.35	28.75	ND	ND	64.60	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	0.36 J	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(0.20)	ND(0.10)	
	5/13/2008	93.35	27.25	ND	ND	66.10	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(0.20)	ND(0.10)	
	9/3/2008	93.35	26.91	ND	ND	66.44	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(0.20)	ND(0.10)	
	11/24/2008	93.35	27.54	ND	ND	65.81	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(0.20)	ND(0.10)	
	2/23/2009	93.35	27.86	ND	ND	65.49	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	NA	NA	
	5/29/2009	93.35	27.25	ND	ND	66.10	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	NA	NA	
	7/20/2009	93.35	26.55	ND	ND	66.80	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	NA	NA	
	8/5/2009	93.35	26.62	ND	ND	66.73	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	NA	NA	NA	NA	ND(0.20)	ND(0.10)		
	10/29/2009	93.35	27.48	ND	ND	65.87	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	NA	NA	
	1/27/2010	93.35	25.71	ND	ND	67.64	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	NA	NA	
	4/1/2010	93.35	24.13	ND	ND	69.22	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	NA	NA	
	8/30/2010	93.35	26.35	ND	ND	67.00	ND(5)	ND(5)	ND(5)	ND(5)	BRL	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	NA	NA	
	12/14/2010	93.35	28.61	ND	ND	64.74	ND(5)	ND(5)	ND(5)	ND(5)	BRL	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	NA	NA	
	3/2/2011	93.35	28.38	ND	ND	64.97	ND(5)	ND(5)	ND(5)	ND(5)	BRL	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	NA	NA	
06/02/2011	93.35	25.04	ND	ND	68.31	ND(5)	ND(5)	ND(5)	ND(5)	BRL	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	NA	NA		

TABLE 1
Groundwater Monitoring & Analytical Data
 Southside Facility #26463
 8816 Fingerboard Road
 Frederick, Frederick County, MD
 August 4, 2005 through June 2, 2011

Sample ID	Date	Gauging Data					Analytical Data														Comments
		Top of Casing Elevation	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Naphthalene (µg/L)	TPH-GRO (mg/L)	TPH-DRO (mg/L)		
MW-7	10/16/2006	97.45	31.63	ND	ND	65.82	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	S.I. - 25-50 ft-bgs	
	10/26/2006	97.45	31.64	ND	ND	65.81	ND(50)	ND(50)	ND(50)	ND(50)	BRL	36300	32900	851	ND(250)	198 J	ND(250)	53.7	ND(0.1)		
	2/6/2007	97.45	30.58	ND	ND	66.87	ND(50)	ND(50)	ND(50)	ND(50)	BRL	30200	28900	674	ND(250)	146 J	ND(250)	32.6	ND(0.10)		
	3/1/2007	97.45	30.54	ND	ND	66.91	ND(20)	ND(20)	ND(20)	ND(20)	BRL	37900	37000	615	11.9 J	159	ND(100)	NA	NA		
	6/28/2007	97.45	30.24	ND	ND	67.21	ND(50)	ND(50)	ND(50)	ND(50)	BRL	29800	28600	548	ND(250)	327	ND(250)	27.8	0.219		
	8/27/2007	97.45	31.64	ND	ND	65.81	ND(50)	ND(50)	ND(50)	ND(50)	BRL	36500	42100	649	28.2 J	283	ND(250)	39.3	ND(0.10)		
	12/5/2007	97.45	33.03	ND	ND	64.42	ND(25)	ND(25)	ND(25)	ND(25)	BRL	30300	33300	463	18.4 J	263	ND(130)	16.2	ND(0.11)		
	2/21/2008	97.45	32.81	ND	ND	64.64	ND(20)	ND(20)	ND(20)	ND(20)	BRL	13300	13200	276	13.0 J	156	ND(100)	16.0	ND(0.10)		
	5/13/2008	97.45	30.91	ND	ND	66.54	ND(10)	ND(10)	ND(10)	ND(10)	BRL	5360	4020	90.0	4.8 J	60.0	ND(50)	5.59	ND(0.10)		
	9/3/2008	97.45	31.16	ND	ND	66.29	ND(10)	ND(10)	ND(10)	ND(10)	BRL	4970	3280	92.0	5.0 J	48.1 J	ND(50)	6.01	ND(0.10)		
	11/24/2008	97.45	32.22	ND	ND	65.23	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	BRL	3530	2210	55.5	4.4 J	42.9	ND(25)	3.79	ND(0.10)		
	2/23/2009	97.45	32.34	ND	ND	65.11	ND(10)	ND(10)	ND(10)	ND(10)	BRL	3020	953	57.6	4.8 J	44.2 J	ND(50)	NA	NA		
	5/29/2009	97.45	31.67	ND	ND	65.78	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	47.8	2.9 J	0.92 J	ND(5.0)	3.3 J	ND(5.0)	NA	NA		
	7/20/2009	97.45	31.04	ND	ND	66.41	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	571	37.9	10.1	0.67 J	8.7	ND(5.0)	NA	NA		
	8/5/2009	97.45	31.22	ND	ND	66.23	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	690	NA	NA	NA	NA	ND(5.0)	0.381	ND(0.10)		
	10/29/2009	97.45	31.73	ND	ND	65.72	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	10.6	ND(25)	ND(5.0)	ND(5.0)	1.1 J	ND(5.0)	NA	NA		
	1/27/2010	97.45	30.19	ND	ND	67.26	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	241	33.8	3.8 J	0.49 J	8.2	ND(5.0)	NA	NA		
	4/1/2010	97.45	28.66	ND	ND	68.79	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	80.3	ND(25)	1.4 J	ND(5.0)	2.6 J	ND(5.0)	NA	NA		
	8/30/2010	97.45	39.92	ND	ND	57.53	ND(5)	ND(5)	ND(5)	ND(5)	BRL	13	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	NA	NA		
	12/14/2010	97.45	32.03	ND	ND	65.42	ND(5)	ND(5)	ND(5)	ND(5)	BRL	99	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	NA	NA		
3/2/2011	97.45	32.42	ND	ND	65.03	ND(5)	ND(5)	ND(5)	ND(5)	BRL	38	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	NA	NA			
06/02/2011	97.45	29.53	ND	ND	67.92	ND(5)	ND(5)	ND(5)	ND(5)	BRL	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	NA	NA			
MW-8	10/16/2006	98.50	32.85	ND	ND	65.65	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	S.I. = 25- 50 ft-bgs	
	10/26/2006	98.50	32.82	ND	ND	65.68	ND(5)	ND(5)	ND(5)	ND(5)	BRL	4430	300	84.7	ND(25)	25.3	ND(25)	5.27	ND(0.1)		
	2/6/2007	98.50	31.78	ND	ND	66.72	ND(50)	ND(50)	ND(50)	ND(50)	BRL	21200	2690	586	ND(250)	95.6 J	ND(250)	18.8	ND(0.10)		
	3/1/2007	98.50	31.71	ND	ND	66.79	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	BRL	7200	1340	157	ND(25)	37.4	ND(25)	NA	NA		
	6/28/2007	98.50	31.56	ND	ND	66.94	ND(50)	ND(50)	ND(50)	ND(50)	BRL	16400	3120	295	ND(250)	83 J	ND(250)	12.6	ND(0.10)		
	8/27/2007	98.50	32.69	ND	ND	65.81	ND(10)	ND(10)	ND(10)	ND(10)	BRL	9370	1580	197	2.6 J	62.8	ND(50)	10.0	ND(0.11)		
	12/5/2007	98.50	34.80	ND	ND	63.70	ND(50)	ND(50)	ND(50)	ND(50)	BRL	12700	1460	197 J	ND(250)	70.4 J	ND(250)	6.65	0.455		
	2/21/2008	98.50	34.28	ND	ND	64.22	ND(10)	ND(10)	ND(10)	ND(10)	BRL	9170	1520	207	4.3 J	92.3	ND(50)	11.2	0.198		
	5/13/2008	98.50	32.46	ND	ND	66.04	ND(10)	ND(10)	ND(10)	ND(10)	BRL	7580	803	141	3.8 J	59.6	ND(50)	7.58	ND(0.10)		
	9/3/2008	98.50	32.49	ND	ND	66.01	ND(10)	ND(10)	ND(10)	ND(10)	BRL	3730	247 J	69.1	ND(50)	23.5 J	ND(50)	4.11	ND(0.10)		
	11/24/2008	98.50	33.41	ND	ND	65.09	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	BRL	3660	122 J	67.8	2.2 J	29.2	ND(25)	3.58	ND(0.10)		
	2/23/2009	98.50	33.51	ND	ND	64.99	ND(10)	ND(10)	ND(10)	ND(10)	BRL	3170	219 J	75.5	2.8 J	27.8 J	ND(50)	NA	NA		
	5/29/2009	98.50	32.80	ND	ND	65.70	ND(10)	ND(10)	ND(10)	ND(10)	BRL	1490	68.2 J	34.2 J	ND(50)	16.4 J	ND(50)	NA	NA		
	7/20/2009	98.50	32.18	ND	ND	66.32	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	BRL	1040	ND(130)	20.9 J	ND(25)	8.3 J	ND(25)	NA	NA		
	8/5/2009	98.50	32.20	ND	ND	66.30	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	1670	NA	NA	NA	NA	ND(5.0)	0.810	ND(0.10)		
	10/29/2009	98.50	32.97	ND	ND	65.53	ND(10)	ND(10)	ND(10)	ND(10)	BRL	2620	ND(250)	55.7	ND(50)	23.1 J	ND(50)	NA	NA		
	1/27/2010	98.50	31.37	ND	ND	67.13	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	60.2	ND(25)	1.2 J	ND(5.0)	0.73 J	ND(5.0)	NA	NA		
	4/1/2010	98.50	29.85	ND	ND	68.65	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	671	ND(25)	14.9	0.72 J	7.3	ND(5.0)	NA	NA		
	8/30/2010	98.50	32.07	ND	ND	66.43	ND(5)	ND(5)	ND(5)	ND(5)	BRL	75	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	NA	NA		
	12/14/2010	98.50	33.25	ND	ND	65.25	ND(5)	ND(5)	ND(5)	ND(5)	BRL	850	ND(80)	19	ND(5)	11	ND(5)	NA	NA		
3/2/2011	98.50	33.63	ND	ND	64.87	ND(5)	ND(5)	ND(5)	ND(5)	BRL	260	ND(80)	5	ND(5)	ND(5)	ND(5)	NA	NA			
06/02/2011	98.5	30.8	ND	ND	67.70	ND(5)	ND(5)	ND(5)	ND(5)	BRL	13	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	NA	NA			

TABLE 1
Groundwater Monitoring & Analytical Data
 Southside Facility #26463
 8816 Fingerboard Road
 Frederick, Frederick County, MD
 August 4, 2005 through June 2, 2011

Sample ID	Date	Gauging Data					Analytical Data													Comments
		Top of Casing Elevation	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Naphthalene (µg/L)	TPH-GRO (mg/L)	TPH-DRO (mg/L)	
MW-9	10/16/2006	99.14	33.34	ND	ND	65.80	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	S.I. = 25-45 ft-bgs
	10/26/2006	99.14	33.36	ND	ND	65.78	2.2	4.4	16.7	115	138	11.6	ND(25)	ND(5)	ND(5)	ND(5)	45.9	1.56	0.621	
	2/6/2007	99.14	32.36	ND	ND	66.78	2.2	0.90 J	14.0	3.2	20.3	ND(1.0)	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	9.8	0.844	0.286	
	6/28/2007	99.14	32.17	ND	ND	66.97	0.53 J	ND(1.0)	ND(1.0)	ND(1.0)	0.53	8.3	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	0.351	ND(0.10)	
	8/27/2007	99.14	33.23	ND	ND	65.91	1.5	0.82 J	19.6	6.2	28.1	9.7	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	11.0	0.796	0.361	
	12/5/2007	99.14	34.77	ND	ND	64.37	2.1	0.81 J	33.9	0.97 J	37.8	12.0	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	5.3	0.858	0.359	
	2/21/2008	99.14	34.81	ND	ND	64.33	1.1	0.62 J	23.4	1.0	26.1	10.9	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	5.0	0.809	0.297	
	5/13/2008	99.14	33.10	ND	ND	66.04	0.66 J	ND(1.0)	6.0	ND(1.0)	6.7	8.1	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	0.452	0.241	
	9/3/2008	99.14	32.97	ND	ND	66.17	0.30 J	ND(1.0)	2.0	ND(1.0)	2.3	6.7	ND(25)	0.98 J	ND(5.0)	ND(5.0)	ND(5.0)	0.398	0.123	
	11/24/2008	99.14	33.93	ND	ND	65.21	0.41 J	ND(1.0)	3.9	ND(1.0)	4.3	6.2	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	0.467	0.214	
	2/23/2009	99.14	34.08	ND	ND	65.06	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	7.5	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	NA	NA	
	5/29/2009	99.14	33.34	ND	ND	65.80	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	5.1	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	NA	NA	
	7/20/2009	99.14	32.69	ND	ND	66.45	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	5.3	ND(25)	0.58 J	ND(5.0)	ND(5.0)	ND(5.0)	NA	NA	
	8/5/2009	99.14	32.71	ND	ND	66.43	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	6.5	NA	NA	NA	NA	ND(5.0)	ND(0.20)	ND(0.10)	
	10/29/2009	99.14	33.42	ND	ND	65.72	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	3.7	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	NA	NA	
	1/27/2010	99.14	31.99	ND	ND	67.15	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	4.0	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	NA	NA	
	4/1/2010	99.14	30.41	ND	ND	68.73	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	5.4	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	NA	NA	
	8/30/2010	99.14	32.70	ND	ND	66.44	ND(5)	ND(5)	ND(5)	ND(5)	BRL	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	NA	NA	
12/14/2010	99.14	33.82	ND	ND	65.32	ND(5)	ND(5)	ND(5)	ND(5)	BRL	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	NA	NA		
3/2/2011	99.14	34.24	ND	ND	64.90	ND(5)	ND(5)	ND(5)	ND(5)	BRL	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	NA	NA		
06/02/2011	99.14	31.39	ND	ND	67.75	ND(5)	ND(5)	ND(5)	ND(5)	BRL	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	NA	NA		
MW-10	10/16/2006	100.04	34.46	ND	ND	65.58	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	S.I. = 25-50 ft-bgs
	10/26/2006	100.04	34.48	ND	ND	65.56	ND(1)	ND(1)	ND(1)	ND(1)	BRL	7.7	ND(25)	2.3 J	ND(5)	ND(5)	ND(5)	ND(0.2)	ND(0.1)	
	2/6/2007	100.04	34.48	ND	ND	65.56	ND(1.0)	ND(1.0)	0.50 J	ND(1.0)	0.50	11.3	ND(25)	4.0 J	ND(5.0)	ND(5.0)	ND(5.0)	ND(0.20)	ND(0.10)	
	6/28/2007	100.14	33.25	ND	ND	66.89	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	9.9	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(0.20)	ND(0.10)	
	8/27/2007	100.14	34.36	ND	ND	65.78	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	8.1	ND(25)	1.9 J	ND(5.0)	ND(5.0)	ND(5.0)	ND(0.20)	ND(0.10)	
	12/5/2007	100.14	35.81	ND	ND	64.33	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	7.8	ND(25)	1.6 J	ND(5.0)	ND(5.0)	ND(5.0)	ND(0.20)	ND(0.10)	
	2/21/2008	100.14	35.85	ND	ND	64.29	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	3.0	ND(25)	0.45 J	ND(5.0)	ND(5.0)	ND(5.0)	ND(0.20)	ND(0.10)	
	5/13/2008	100.14	34.29	ND	ND	65.85	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	5.1	ND(25)	0.94 J	ND(5.0)	ND(5.0)	ND(5.0)	ND(0.20)	ND(0.10)	
	9/3/2008	100.14	34.08	ND	ND	66.06	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	4.5	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(0.20)	ND(0.10)	
	11/24/2008	100.14	34.99	ND	ND	65.15	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	4.6	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(0.20)	ND(0.11)	
	2/23/2009	100.14	35.13	ND	ND	65.01	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	4.6	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	NA	NA	
	5/29/2009	100.14	34.42	ND	ND	65.72	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	3.5	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	NA	NA	
	7/20/2009	100.14	33.80	ND	ND	66.34	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	3.5	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	NA	NA	
	8/5/2009	100.14	33.81	ND	ND	66.33	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	5.1	NA	NA	NA	NA	ND(5.0)	ND(0.20)	ND(0.10)	
	10/29/2009	100.14	34.59	ND	ND	65.55	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	3.2	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	NA	NA	
	1/27/2010	100.14	33.04	ND	ND	67.10	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	2.2	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	NA	NA	
	4/1/2010	100.14	31.49	ND	ND	68.65	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	3.4	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	NA	NA	
	8/30/2010	100.14	33.83	ND	ND	66.31	ND(5)	ND(5)	ND(5)	ND(5)	BRL	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	NA	NA	
12/14/2010	100.14	34.86	ND	ND	65.28	ND(5)	ND(5)	ND(5)	ND(5)	BRL	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	NA	NA		
3/2/2011	100.14	35.25	ND	ND	64.89	ND(5)	ND(5)	ND(5)	ND(5)	BRL	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	NA	NA		
06/02/2011	100.14	32.5	ND	ND	67.64	ND(5)	ND(5)	ND(5)	ND(5)	BRL	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	NA	NA		

TABLE 1
Groundwater Monitoring & Analytical Data
 Southside Facility #26463
 8816 Fingerboard Road
 Frederick, Frederick County, MD
 August 4, 2005 through June 2, 2011

Sample ID	Date	Gauging Data					Analytical Data													Comments
		Top of Casing Elevation	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Naphthalene (µg/L)	TPH-GRO (mg/L)	TPH-DRO (mg/L)	
MW-11	10/16/2006	95.95	29.85	ND	ND	66.10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	S.I. = 25-45 ft-bgs
	10/26/2006	95.95	29.89	ND	ND	66.06	1.1	0.61 J	6.8	60.9	69.4	5	ND(25)	ND(5)	ND(5)	2.4 J	41.3	1.57	0.868	
	2/6/2007	95.95	29.34	ND	ND	66.61	ND(1.0)	0.90 J	58.2	62.7	121.8	11.9	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	49.5	2.18	1.49	
	6/28/2007	95.98	29.01	ND	ND	66.97	ND(1.0)	ND(1.0)	1.5	0.71 J	2.2	3.5	ND(25)	ND(5.0)	ND(5.0)	1.0 J	ND(5.0)	0.267	0.235	
	8/27/2007	95.98	29.64	ND	ND	66.34	ND(1.0)	1.8	24.7	24.8	51.3	2.3	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	21.6	1.36	1.07	
	12/5/2007	95.98	31.39	ND	ND	64.59	ND(1.0)	ND(1.0)	ND(1.0)	1.8	1.8	5.8	10.7 J	ND(5.0)	ND(5.0)	2.9 J	7.3	0.291	0.611	
	2/21/2008	95.98	31.44	ND	ND	64.54	ND(1.0)	ND(1.0)	0.94 J	1.6	2.5	3.6	ND(25)	ND(5.0)	ND(5.0)	2.2 J	1.6 J	0.339	0.606	
	5/13/2008	95.98	29.84	ND	ND	66.14	ND(1.0)	ND(1.0)	0.72 J	1.5	2.2	2.3	ND(25)	ND(5.0)	ND(5.0)	1.0 J	3.1 J	0.281	0.366	
	9/3/2008	95.98	29.50	ND	ND	66.48	ND(1.0)	0.49 J	6.3	19.4	26.2	2.8	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	10.6	1.85	1.33	
	11/24/2008	95.98	30.52	ND	ND	65.46	ND(1.0)	ND(1.0)	6.2	10.7	16.9	2.4	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	17.7	1.13	1.03	
	2/23/2009	95.98	30.80	ND	ND	65.18	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	1.7	ND(25)	ND(5.0)	ND(5.0)	0.97 J	ND(5.0)	NA	NA	
	5/29/2009	95.98	29.99	ND	ND	65.99	ND(1.0)	ND(1.0)	0.95 J	0.95 J	1.90	1.5	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	1.1 J	NA	NA	
	7/20/2009	95.98	29.18	ND	ND	66.80	ND(1.0)	ND(1.0)	1.3	0.73 J	2.0	1.7	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	4.3 J	NA	NA	
	8/5/2009	95.98	29.41	ND	ND	66.57	ND(1.0)	ND(1.0)	0.70 J	2.5	3.2	1.7	NA	NA	NA	NA	5.3	0.378	0.465	
	10/29/2009	95.98	30.27	ND	ND	65.71	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	1.6	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	NA	NA	
	1/27/2010	95.98	28.75	ND	ND	67.23	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	1.5	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	NA	NA	
	4/1/2010	95.98	27.20	ND	ND	68.78	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	1.9	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	NA	NA	
8/30/2010	95.98	29.31	ND	ND	66.67	ND(5)	ND(5)	ND(5)	ND(5)	BRL	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	NA	NA		
12/14/2010	95.98	30.55	ND	ND	65.43	ND(5)	ND(5)	ND(5)	ND(5)	BRL	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	NA	NA		
3/2/2011	95.98	31.73	ND	ND	64.25	ND(5)	ND(5)	ND(5)	ND(5)	BRL	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	NA	NA		
06/02/2011	95.98	28.21	ND	ND	67.77	ND(5)	ND(5)	ND(5)	ND(5)	BRL	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	NA	NA		
MW-12	5/29/2009	97.31	31.54	ND	ND	65.77	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	3620	170	110	1.2 J	24.1	ND(5.0)	NA	NA	S.I. = 20-50 ft-bgs
	7/20/2009	97.31	30.91	ND	ND	66.40	ND(10)	ND(10)	ND(10)	ND(10)	BRL	4010	411	96.9	ND(50)	21.5 J	ND(50)	NA	NA	
	8/5/2009	97.31	31.01	ND	ND	66.30	ND(10)	ND(10)	ND(10)	ND(10)	BRL	3700	NA	NA	NA	NA	ND(50)	1.29	ND(0.10)	
	10/29/2009	97.31	31.69	ND	ND	65.62	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	612	ND(25)	14.8	ND(5.0)	9.1	ND(5.0)	NA	NA	
	1/27/2010	97.31	30.12	ND	ND	67.19	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	572	ND(25)	13.1	0.31 J	5.8	ND(5.0)	NA	NA	
	4/1/2010	97.31	28.63	ND	ND	68.68	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	BRL	1550	ND(63)	34.5	ND(13)	10.5 J	ND(13)	NA	NA	
	8/30/2010	97.31	31.82	ND	ND	65.49	ND(5)	ND(5)	ND(5)	ND(5)	BRL	1800	ND(80)	40	ND(5)	13	ND(5)	NA	NA	
	12/14/2010	97.31	31.91	ND	ND	65.40	ND(5)	ND(5)	ND(5)	ND(5)	BRL	700	ND(80)	19	ND(5)	12	ND(5)	NA	NA	
	3/2/2011	97.31	32.37	ND	ND	64.94	ND(5)	ND(5)	ND(5)	ND(5)	BRL	2000	ND(80)	50	ND(5)	12	ND(5)	NA	NA	
06/02/2011	97.31	29.53	ND	ND	67.78	ND(10)	ND(10)	ND(10)	ND(10)	BRL	830	ND(160)	18	ND(10)	ND(10)	ND(10)	NA	NA		
MW-13	5/29/2009	97.93	32.23	ND	ND	65.70	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	297	28.6	5.7	ND(5.0)	9.0	ND(5.0)	NA	NA	S.I. = 20-50 ft-bgs
	7/20/2009	97.93	31.62	ND	ND	66.31	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	261	ND(25)	4.4 J	0.33 J	7.8	ND(5.0)	NA	NA	
	8/5/2009	97.93	31.70	ND	ND	66.23	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	733	NA	NA	NA	NA	ND(5.0)	0.371	ND(0.10)	
	10/29/2009	97.93	32.42	ND	ND	65.51	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	121	ND(25)	1.9 J	ND(5.0)	3.0 J	ND(5.0)	NA	NA	
	1/27/2010	97.93	30.82	ND	ND	67.11	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	88.2	ND(25)	1.5 J	ND(5.0)	2.2 J	ND(5.0)	NA	NA	
	4/1/2010	97.93	29.26	ND	ND	68.67	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	181	ND(25)	3.7 J	ND(5.0)	2.9 J	ND(5.0)	NA	NA	
	8/30/2010	97.93	31.50	ND	ND	66.43	ND(5)	ND(5)	ND(5)	ND(5)	BRL	34	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	NA	NA	
	12/14/2010	97.93	32.69	ND	ND	65.24	ND(5)	ND(5)	ND(5)	ND(5)	BRL	170	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	NA	NA	
	3/2/2011	97.93	33.13	ND	ND	64.80	ND(5)	ND(5)	ND(5)	ND(5)	BRL	24	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	NA	NA	
06/02/2011	97.93	30.21	ND	ND	67.72	ND(5)	ND(5)	ND(5)	ND(5)	BRL	27	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	NA	NA		

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 August 4, 2005 through June 2, 2011

Sample ID	Date	Gauging Data					Analytical Data														Comments
		Top of Casing Elevation	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Naphthalene (µg/L)	TPH-GRO (mg/L)	TPH-DRO (mg/L)		
MW-14	5/29/2009	97.11	32.40	ND	ND	64.71	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	1730	12.3 J	43.9	1.0 J	26.4	ND(5.0)	NA	NA	S.I. = 20-50 ft-bgs	
	7/20/2009	97.11	31.76	ND	ND	65.35	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	BRL	1910	ND(130)	34.0	ND(25)	18.7 J	ND(25)	NA	NA		
	8/5/2009	97.11	31.33	ND	ND	65.78	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	1200	NA	NA	NA	NA	ND(5.0)	0.623	ND(0.10)		
	10/29/2009	97.11	32.60	ND	ND	64.51	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	BRL	1070	ND(50)	18.4	ND(10)	12.8	ND(10)	NA	NA		
	1/27/2010	97.11	30.98	ND	ND	66.13	ND(10)	ND(10)	ND(10)	ND(10)	BRL	2760	ND(250)	49.2 J	ND(50)	20.8 J	ND(50)	NA	NA		
	4/1/2010	97.11	29.42	ND	ND	67.69	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	267	ND(25)	5.7	ND(5.0)	5.0	ND(5.0)	NA	NA		
	8/30/2010	97.11	31.69	ND	ND	65.42	ND(5)	ND(5)	ND(5)	ND(5)	BRL	1500	ND(80)	31	ND(5)	15	ND(5)	NA	NA		
	12/14/2010	97.11	32.85	ND	ND	64.26	ND(10)	ND(10)	ND(10)	ND(10)	BRL	1500	ND(160)	33	ND(10)	14	ND(10)	NA	NA		
MW-15	3/2/2011	101.11	36.55	ND	ND	64.56	ND(5)	ND(5)	ND(5)	ND(5)	BRL	ND (5)	ND(80)	ND (5)	ND(5)	ND (5)	ND(5)	ND (0.050)	NA	S.I. = 50-80 ft-bgs	
	06/02/2011	101.11	34.36	ND	ND	66.75	ND(5)	ND(5)	ND(5)	ND(5)	BRL	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	NA	NA		
MW-16	3/2/2011	100.64	36.22	ND	ND	64.42	ND(5)	ND(5)	ND(5)	ND(5)	BRL	ND (5)	ND(80)	ND (5)	ND(5)	ND (5)	ND(5)	ND (0.050)	NA	S.I. = 50-80 ft-bgs	
	06/02/2011	100.64	32.8	ND	ND	67.84	ND(5)	ND(5)	ND(5)	ND(5)	BRL	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	NA	NA		
TF-1R	6/28/2007	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
	8/27/2007	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
	12/5/2007	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
	2/21/2008	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
	5/13/2008	NSVD	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
	9/3/2008	NSVD	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
	11/24/2008	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
	2/23/2009	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
	5/29/2009	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
	7/20/2009	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
	8/5/2009	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
	10/29/2009	NSVD	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
	1/27/2010	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
	3/29/2010	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
	4/1/2010	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
	8/30/2010	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
12/14/2010	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS			
3/2/2011	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS			
06/02/2011	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS			

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 August 4, 2005 through June 2, 2011

Sample ID	Date	Gauging Data					Analytical Data														Comments
		Top of Casing Elevation	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Naphthalene (µg/L)	TPH-GRO (mg/L)	TPH-DRO (mg/L)		
TF-2R	6/28/2007	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/27/2007	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/5/2007	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	2/21/2008	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/13/2008	NSVD	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/3/2008	NSVD	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	11/24/2008	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	2/23/2009	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/29/2009	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	7/20/2009	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/5/2009	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	10/29/2009	NSVD	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	1/27/2010	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/29/2010	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	4/1/2010	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/30/2010	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/14/2010	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
3/2/2011	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
06/02/2011	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
TF-3R	6/28/2007	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/27/2007	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/5/2007	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	2/21/2008	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/13/2008	NSVD	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/3/2008	NSVD	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	11/24/2008	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	2/23/2009	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/29/2009	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	7/20/2009	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/5/2009	NSVD	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	10/29/2009	NSVD	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	1/27/2010	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/29/2010	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	4/1/2010	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/30/2010	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/14/2010	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
3/2/2011	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
06/02/2011	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		

TABLE 1
Groundwater Monitoring & Analytical Data
 Southside Facility #26463
 8816 Fingerboard Road
 Frederick, Frederick County, MD
 August 4, 2005 through June 2, 2011

Sample ID	Date	Gauging Data					Analytical Data														Comments
		Top of Casing Elevation	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Naphthalene (µg/L)	TPH-GRO (mg/L)	TPH-DRO (mg/L)		
TF-4R	6/28/2007	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/27/2007	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/5/2007	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	2/21/2008	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/13/2008	NSVD	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/3/2008	NSVD	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	11/24/2008	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	2/23/2009	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/29/2009	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	7/20/2009	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/5/2009	NSVD	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	10/29/2009	NSVD	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	1/27/2010	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/29/2010	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	4/1/2010	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/30/2010	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
12/14/2010	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
3/2/2011	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
06/02/2011	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
DB-1 (Z1)	12/2/2009	NM	NM	NM	NM	NM	ND(1.0)	4.2	ND(1.0)	ND(1.0)	4.2	167	ND(25)	3.8 J	ND(5.0)	1.4 J	ND(5.0)	NA	NA	S.I. = 55.95-75.79ft.bgs	
	1/27/2010	NSVD	31.36	ND	ND	NSVD	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	BRL	1010	ND(63)	ND(13)	ND(13)	4.9 J	ND(13)	NA	NA		
	4/1/2010	NSVD	NM	NM	NM	NM	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	BRL	1290	ND(50)	31.8	0.52 J	7.7 J	ND(10)	NA	NA		
	8/30/2010	NM	NM	NM	NM	NM	ND(5)	ND(5)	ND(5)	ND(5)	BRL	1100	ND(80)	29	ND(5)	9	ND(5)	NA	NA		
	12/9/2010	NSVD	32.05	ND	ND	NSVD	ND(5)	ND(5)	ND(5)	ND(5)	BRL	1600	ND(80)	46	ND(5)	10	ND(5)	NA	NA		
	3/2/2011	NSVD	33.45	ND	ND	NSVD	ND(25)	ND(25)	ND(25)	ND(25)	BRL	1900	ND(400)	47	ND(25)	ND(25)	ND(25)	NA	NA		
06/02/2011	NSVD	30.71	ND	ND	NSVD	ND(25)	ND(25)	ND(25)	ND(25)	BRL	1600	ND(400)	36	ND(25)	ND(25)	ND(25)	NA	NA			
DB-1 (Z2)	12/2/2009	NM	NM	NM	NM	NM	ND(1.0)	2.3	ND(1.0)	ND(1.0)	2.3	6.9	ND(25)	0.66 J	ND(5.0)	ND(5.0)	ND(5.0)	NA	NA	S.I. = 78.70-98.54ft.bgs	
	1/27/2010	NSVD	31.33	ND	ND	NSVD	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	10.9	ND(25)	0.81 J	ND(5.0)	ND(5.0)	ND(5.0)	NA	NA		
	4/1/2010	NSVD	NM	NM	NM	NM	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	11.6	ND(25)	1.2 J	ND(5.0)	ND(5.0)	ND(5.0)	NA	NA		
	8/30/2010	NM	NM	NM	NM	NM	ND(5)	ND(5)	ND(5)	ND(5)	BRL	10	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	NA	NA		
	12/9/2010	NSVD	31.98	ND	ND	NSVD	ND(5)	ND(5)	ND(5)	ND(5)	BRL	11	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	NA	NA		
	3/2/2011	NSVD	33.57	ND	ND	NSVD	ND(5)	ND(5)	ND(5)	ND(5)	BRL	8	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	NA	NA		
06/02/2011	NSVD	30.64	ND	ND	NSVD	ND(5)	ND(5)	ND(5)	ND(5)	BRL	8	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	NA	NA			
DB-1 (Z3)	12/2/2009	NM	NM	NM	NM	NM	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	0.43 J	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	NA	NA	S.I. = 105.36-125.20ft.bgs	
	1/27/2010	NSVD	31.29	ND	ND	NSVD	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	4.8	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	NA	NA		
	4/1/2010	NSVD	NM	NM	NM	NM	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	7.2	ND(25)	0.86 J	ND(5.0)	ND(5.0)	ND(5.0)	NA	NA		
	8/30/2010	NM	NM	NM	NM	NM	ND(5)	ND(5)	ND(5)	ND(5)	BRL	6	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	NA	NA		
	12/9/2010	NSVD	31.90	ND	ND	NSVD	ND(5)	ND(5)	ND(5)	ND(5)	BRL	7	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	NA	NA		
	3/2/2011	NSVD	33.59	ND	ND	NSVD	ND(5)	ND(5)	ND(5)	ND(5)	BRL	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	NA	NA		
06/02/2011	NSVD	30.75	ND	ND	NSVD	ND(5)	ND(5)	ND(5)	ND(5)	BRL	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	NA	NA			

TABLE 1
Groundwater Monitoring & Analytical Data
 Southside Facility #26463
 8816 Fingerboard Road
 Frederick, Frederick County, MD
 August 4, 2005 through June 2, 2011

Sample ID	Date	Gauging Data					Analytical Data														Comments
		Top of Casing Elevation	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Naphthalene (µg/L)	TPH-GRO (mg/L)	TPH-DRO (mg/L)		
DB-1 (Z4)	12/2/2009	NM	NM	NM	NM	NM	ND(1.0)	5.9	ND(1.0)	ND(1.0)	5.9	2.8	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	NA	NA	S.I. = 126.16-147.00ft.bgs	
	1/27/2010	NSVD	31.25	ND	ND	NSVD	1.9	3.0	ND(1.0)	ND(1.0)	4.9	1.1	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	NA	NA		
	4/1/2010	NSVD	NM	NM	NM	NM	1.0	2.2	ND(1.0)	ND(1.0)	3.2	1.3	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	NA	NA		
	8/30/2010	NM	NM	NM	NM	NM	ND(5)	ND(5)	ND(5)	ND(5)	BRL	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	NA	NA		
	12/9/2010	NSVD	32.07	ND	ND	NSVD	ND(5)	ND(5)	ND(5)	ND(5)	BRL	12	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	NA	NA		
	3/2/2011	NSVD	33.56	ND	ND	NSVD	ND(5)	ND(5)	ND(5)	ND(5)	BRL	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	NA	NA		
06/02/2011	NSVD	30.58	ND	ND	NSVD	ND(5)	ND(5)	ND(5)	ND(5)	BRL	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	NA	NA			
DB-1 (Z5)	12/2/2009	NM	NM	NM	NM	NM	ND(1.0)	1.5	ND(1.0)	ND(1.0)	1.5	1.6	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	NA	NA	S.I. = 159.83-199ft.bgs	
	1/27/2010	NSVD	30.98	ND	ND	NSVD	ND(1.0)	0.44 J	ND(1.0)	ND(1.0)	0.44	ND(1.0)	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	NA	NA		
	4/1/2010	NSVD	NM	NM	NM	NM	ND(1.0)	0.88 J	ND(1.0)	ND(1.0)	0.88	ND(1.0)	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	NA	NA		
	8/30/2010	NM	NM	NM	NM	NM	ND(5)	ND(5)	ND(5)	ND(5)	BRL	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	NA	NA		
	12/9/2010	NSVD	32.36	ND	ND	NSVD	ND(5)	ND(5)	ND(5)	ND(5)	BRL	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	NA	NA		
	3/2/2011	NSVD	33.24	ND	ND	NSVD	ND(5)	ND(5)	ND(5)	ND(5)	BRL	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	NA	NA		
6/2/2011	NSVD	30.69	ND	ND	NSVD	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS			

Notes:

µg/L - micrograms per liter (parts per billion)

B - Analyte detected in associated method blank

BRL - Below laboratory reporting limits

BTEX - Benzene, toluene, ethylbenzene, and total xylenes

DIPE - Di-Isopropyl Ether

DRO - Diesel Range Organics

ETBE - Ethyl Tertiary Butyl Ether

ft-bgs = feet below ground surface

GRO - Gasoline Range Organics

GW - Groundwater

mg/L - milligrams per liter (parts per million)

MTBE - Methyl Tert Butyl Ether

NA - Not analyzed

ND - Not detected

ND(5.0) - Not detected at or above the laboratory reporting limit, laboratory reporting limit included.

NM - Not monitored

NS - Not sampled

NSVD - Not surveyed to vertical datum

S.I. = Screen Interval

TAME - Tertiary Amyl Methyl Ether

TBA - Tertiary Butyl Alcohol

TPH - Total Petroleum Hydrocarbons

Table 2**Potable Well (On-site) Analytical Data**

Southside Facility #26463

8816 Fingerboard Road

Frederick, Maryland

March 6, 2006 through June 2, 2011

Well ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Naph- thalene (µg/L)	Comments	
PW-1	03/06/2006	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	BRL	0.67	ND(5.0)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)		
	06/05/2006	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	BRL	0.63	ND(5.0)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)		
	09/13/2006	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	BRL	0.85	ND(5.0)	NA	NA	NA	ND(0.50)		
	12/13/2006	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	BRL	1.9	ND(5.0)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)		
	02/02/2007	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	BRL	0.89	ND(5.0)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)		
	08/17/2007	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	BRL	1.5	ND(5.0)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	
	11/01/2007	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	BRL	2.1	ND(5.0)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	
	02/21/2008	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	BRL	2.4	ND(5.0)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	
	05/13/2008	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	BRL	2.9	ND(5.0)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	
	09/03/2008	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	BRL	3.8	ND(5.0)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	
	11/24/2008	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	BRL	3.2	ND(5.0)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	
	02/23/2009	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	BRL	3.0	ND(5.0)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	
	05/29/2009	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	BRL	3.3	ND(5.0)	ND(0.50)	ND(0.50)	ND(0.50)	0.17 J	ND(0.50)	
	07/20/2009	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	BRL	4.3	ND(5.0)	ND(0.50)	ND(0.50)	ND(0.50)	0.20 J	ND(0.50)	
	09/17/2009	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	BRL	2.0	NA	NA	NA	NA	NA	ND(0.50)	
	10/29/2009	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	BRL	2.1	ND(5.0)	ND(0.50)	ND(0.50)	ND(0.50)	0.23 J	ND(0.50)	
	01/27/2010	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	BRL	1.7	ND(5.0)	ND(0.50)	ND(0.50)	ND(0.50)	0.19 J	ND(0.50)	
	04/01/2010	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	BRL	1.7	ND(5.0)	ND(0.50)	ND(0.50)	ND(0.50)	0.20 J	ND(0.50)	
	08/30/2010	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	3.1	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	12/09/2010	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	1	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
01/11/2011	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	1.2	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)		
06/02/2011	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	1.1	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)		

Table 2 (Continued)

Potable Well (On-site) Analytical Data

Southside Facility #26463
8816 Fingerboard Road
Frederick, Maryland
March 6, 2006 through June 2, 2011

Notes:

µg/L - micrograms per liter

BRL - Below laboratory reporting limits

BTEX - Benzene, toluene, ethylbenzene, and total xylenes

DIPE - Di-Isopropyl Ether

ETBE - Ethyl Tertiary Butyl Ether

J - Indicates an estimated value

MTBE - Methyl Tert Butyl Ether

NA - Not analyzed

ND(5.0) - Not detected at or above the laboratory reporting limit, laboratory reporting limit included.

NS - Not sampled

TAME - Tertiary Amyl Methyl Ether

TBA - Tertiary Butyl Alcohol

Table 3**Off-site Potable Well & Point of Entry Treatment Analytical Data**

Southside Facility #26463

8816 Fingerboard Road

Frederick, Maryland

February 23, 2009 through June 2, 2011

Well ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Naphthalene (µg/L)	Comments
3501 Urbana	03/16/2009	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	BRL	0.14 J	ND(5.0)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	
	01/11/2011	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	ND(1.0)	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
3501 Duplicate	03/16/2009	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	BRL	0.15 J	ND(5.0)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	
3509 Urbana	01/11/2011	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	ND(1.0)	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
3513 Urbana	03/19/2009	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	BRL	ND(0.50)	ND(5.0)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	
3513 Duplicate	03/19/2009	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	BRL	ND(0.50)	ND(5.0)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	
3514 Urbana	02/23/2009	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	BRL	746	ND(5.0)	11.7	ND(0.50)	3.5	ND(0.50)	
	03/05/2009	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	BRL	437	11.9	13.0	ND(0.50)	3.9	ND(0.50)	
3514 Urbana PE	03/07/2009	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	BRL	ND(0.50)	ND(5.0)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	
	04/14/2009	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	BRL	ND(0.50)	ND(5.0)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	
	07/20/2009	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	BRL	ND(0.50)	ND(5.0)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	
	01/27/2010	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	BRL	ND(0.50)	ND(5.0)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	
	08/30/2010	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	ND(0.5)	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	12/09/2010	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	ND(0.5)	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	01/11/2011	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	ND(1.0)	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	06/02/2011	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	ND(0.5)	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
3514 PE Duplicate	04/14/2009	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	BRL	ND(0.50)	ND(5.0)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	
	07/20/2009	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	BRL	ND(0.50)	ND(5.0)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	
	01/27/2010	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	BRL	ND(0.50)	ND(5.0)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	
3514 Urbana PM	04/14/2009	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	BRL	ND(0.50)	ND(5.0)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	
	07/20/2009	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	BRL	ND(0.50)	ND(5.0)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	
	01/27/2010	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	BRL	ND(0.50)	ND(5.0)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	
	08/30/2010	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	ND(0.5)	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	12/09/2010	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	ND(0.5)	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	01/11/2011	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	ND(1.0)	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	06/02/2011	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	ND(0.5)	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	

Table 3 (Continued)**Off-site Potable Well & Point of Entry Treatment Analytical Data**

Southside Facility #26463

8816 Fingerboard Road

Frederick, Maryland

February 23, 2009 through June 2, 2011

Well ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Naph- thalene (µg/L)	Comments
3514 Urbana PI	03/07/2009	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	BRL	416	21.2	12.6	ND(0.50)	4.3	ND(0.50)	
	04/14/2009	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	BRL	441	67.6	9.8	ND(0.50)	3.1	ND(0.50)	
	07/20/2009	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	BRL	395	ND(5.0)	8.1	ND(0.50)	2.6	ND(0.50)	
	10/29/2009	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	BRL	ND(0.50)	ND(5.0)	ND(0.50)	ND(0.50)	3.1	ND(0.50)	
	01/27/2010	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	BRL	242	ND(5.0)	5.3	ND(0.50)	2.3	ND(0.50)	
	08/30/2010	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	180	ND(25)	4.8	ND(0.5)	2.7	ND(0.5)	
	12/09/2010	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	220	ND(25)	5.3	ND(0.5)	2.7	ND(0.5)	
	01/11/2011	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	230	ND(25)	5.1	ND(0.5)	2.5	ND(0.5)	
	06/02/2011	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	35	ND(25)	0.8	ND(0.5)	1.4	ND(0.5)	
3519 Urbana	03/17/2009	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	BRL	0.36 J	ND(5.0)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	
	01/11/2011	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	ND(1.0)	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
3519 Duplicate	03/17/2009	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	BRL	0.34 J	ND(5.0)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	
3524 Urbana	03/16/2009	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	BRL	0.25 J	ND(5.0)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	
	01/11/2011	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	ND(1.0)	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
3526 Urbana PE	02/23/2009	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	BRL	ND(0.50)	ND(5.0)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	
3526 Urbana PI	02/23/2009	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	BRL	ND(0.50)	ND(5.0)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	
3528 Urbana	02/23/2009	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	BRL	ND(0.50)	ND(5.0)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	
	03/02/2011	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	ND(1.0)	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
8826 Fingbrd	03/05/2009	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	BRL	123	3.1 J	2.1	ND(0.50)	2.1	ND(0.50)	

Table 3 (Continued)**Off-site Potable Well & Point of Entry Treatment Analytical Data**

Southside Facility #26463

8816 Fingerboard Road

Frederick, Maryland

February 23, 2009 through June 2, 2011

Well ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Naph- thalene (µg/L)	Comments
8826 Fingbrd PE	03/07/2009	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	BRL	ND(0.50)	ND(5.0)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	
	04/14/2009	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	BRL	ND(0.50)	ND(5.0)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	
	07/20/2009	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	BRL	ND(0.50)	ND(5.0)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	
	10/29/2009	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	BRL	ND(0.50)	ND(5.0)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	
	01/27/2010	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	BRL	1.1	ND(5.0)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	
	05/21/2010	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	BRL	ND(0.50)	ND(5.0)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	
	08/30/2010	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	ND(0.5)	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	12/09/2010	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	ND(0.5)	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	01/11/2011	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	ND(1.0)	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
06/02/2011	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	ND(0.5)	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)		
8826 PE Duplicate	04/14/2009	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	BRL	ND(0.50)	ND(5.0)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	
	07/20/2009	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	BRL	ND(0.50)	ND(5.0)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	
	01/27/2010	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	BRL	14.9	ND(5.0)	0.23 J	ND(0.50)	0.24 J	ND(0.50)	
	05/21/2010	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	BRL	ND(0.50)	ND(5.0)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	
8826 Fingbrd PM	04/14/2009	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	BRL	ND(0.50)	ND(5.0)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	
	07/20/2009	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	BRL	ND(0.50)	ND(5.0)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	
	10/29/2009	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	BRL	ND(0.50)	ND(5.0)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	
	01/27/2010	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	BRL	ND(0.50)	ND(5.0)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	
	05/21/2010	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	BRL	ND(0.50)	ND(5.0)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	
	08/30/2010	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	ND(0.5)	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	12/09/2010	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	ND(0.5)	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	01/11/2011	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	ND(1.0)	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	06/02/2011	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	ND(0.5)	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	

Table 3 (Continued)**Off-site Potable Well & Point of Entry Treatment Analytical Data**

Southside Facility #26463

8816 Fingerboard Road

Frederick, Maryland

February 23, 2009 through June 2, 2011

Well ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Naph- thalene (µg/L)	Comments
8826 Fingbrd PI	03/07/2009	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	BRL	194	7.4	3.6	ND(0.50)	2.4	ND(0.50)	
	04/14/2009	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	BRL	91.2	15.8	1.4	ND(0.50)	1.7	ND(0.50)	
	07/20/2009	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	BRL	133	ND(5.0)	2.0	ND(0.50)	1.8	ND(0.50)	
	10/29/2009	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	BRL	ND(0.50)	ND(5.0)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	
	01/27/2010	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	BRL	92.1	ND(5.0)	1.3	ND(0.50)	1.5	ND(0.50)	
	05/21/2010	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	BRL	35.8	ND(5.0)	0.82	ND(0.50)	1.5	ND(0.50)	
	08/30/2010	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	24	ND(25)	ND(0.5)	ND(0.5)	0.9	ND(0.5)	
	12/09/2010	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	54	ND(25)	0.8	ND(0.5)	1.1	ND(0.5)	
	01/11/2011	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	17	ND(25)	ND(0.5)	ND(0.5)	0.6	ND(0.5)	
06/02/2011	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	5.7	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)		
8995B UrbChurch	03/17/2009	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	BRL	ND(0.50)	ND(5.0)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	

Table 3 (Continued)**Off-site Potable Well & Point of Entry Treatment Analytical Data**

Southside Facility #26463
8816 Fingerboard Road
Frederick, Maryland
February 23, 2009 through June 2, 2011

Notes:

µg/L - micrograms per liter

BRL - Below laboratory reporting limits

BTEX - Benzene, toluene, ethylbenzene, and total xylenes

DIPE - Di-Isopropyl Ether

ETBE - Ethyl Tertiary Butyl Ether

J - Indicates an estimated value

MTBE - Methyl Tert Butyl Ether

NA - Not analyzed

ND(5.0) - Not detected at or above the laboratory reporting limit, laboratory reporting limit included.

NS - Not sampled

TAME - Tertiary Amyl Methyl Ether

TBA - Tertiary Butyl Alcohol

PE - Point of Entry Treatment Effluent

PM - Point of Entry Treatment Midfluent

PI - Point of Entry Treatment Influent

APPENDIX A
MDE Correspondence (June 7, 2011)



MARYLAND DEPARTMENT OF THE ENVIRONMENT

Oil Control Program, Suite 620, 1800 Washington Blvd., Baltimore MD 21230-1719

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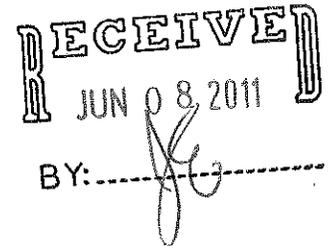
1-800-633-6101

Martin O'Malley
Governor

Robert M. Summers, Ph.D.
Secretary

Anthony G. Brown
Lieutenant Governor

June 7, 2011



Ms. Jewel G. Cox
ExxonMobil Environmental Services
Suite 106 #232
1016 West Poplar Avenue
Collierville TN 38017

Mr. Marshal Hare
Director of Facilities
Mid-Atlantic Convenience Stores, LLC
1011 Boulder Springs Drive, Suite 100
Richmond VA 23225

RE: REQUEST FOR CORRECTIVE ACTION PLAN

Case No. 2006-0245-FR
Former Exxon RAS #2-6463
8816 Fingerboard Road, Frederick
Frederick County, Maryland
Facility I.D. No. 6299

Dear Ms. Cox and Mr. Hare:

The Oil Control Program recently completed a review of the case file for the above-referenced property, including the *Comprehensive Site Assessment Report - April 8, 2011*. Since August 2005, investigative activities, including several soil boring investigations and the installation and quarterly sampling of 17 groundwater monitoring wells, have characterized the lateral and vertical extent of the dissolved-phase petroleum contaminant plume and identified methyl tertiary-butyl ether (MTBE) as the site's main constituent of concern. Additionally, the geophysical evaluation of the subsurface features and the sampling of 13 nearby off-site private drinking water supply wells has determined that MTBE is migrating to the east-northeast of the station along the general dip of the open fracture network and has impacted two down-gradient private residential supply wells.

To date, groundwater sampling has demonstrated a decreasing trend in the concentration of MTBE in the on-site monitoring well network and the impacted off-site private drinking water supply wells. In January 2011, MTBE was detected (*pre-filtration*) up to 230 parts per billion (ppb) in the off-site private drinking water supply well at 3514 Urbana Pike. In March 2011, MTBE was detected up to 2,000 ppb in the on-site monitoring well network and significantly less than the site maximum of 71,200 ppb.

In April 2011, the *Comprehensive Site Assessment Report* identified the human ingestion of MTBE, via the impacted drinking water supply wells, as the primary pathway of concern. The report further recommended the development of a *Corrective Action Plan (CAP)* and mitigation of the exposure pathway by connecting the residential properties at 3514 Urbana Pike and 8826 Fingerboard Road to the municipal water supply.

The Department concurs with the recommendations provided by the *Comprehensive Site Assessment Report*. Based on our review, the Department hereby requires the submittal of a *CAP* for our approval and offers the following comments:

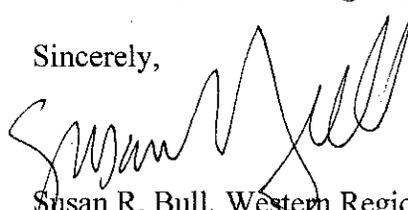
- 1) **No later than August 1, 2011**, submit a *Corrective Action Plan (CAP)* in accordance with the Department's *Maryland Environmental Assessment Technology (MEAT) for Leaking Underground Storage Tanks* guidance document, which may be accessed at: http://www.mde.state.md.us/assets/document/MEAT_Guidance.pdf.
- 2) The Department will require a signed copy of all private property access agreements entered into as part of the proposed *CAP* activities.
- 3) The Department will require a signed copy of all approvals and permits required by the Frederick County Government to complete the proposed connections to the municipal supply. The Department is in receipt of the certification of potential health hazard issued by the Frederick County Health Department for the two impacted residential properties.
- 4) Although the concentration of MTBE has remained below 5 ppb since August 2005, the Department recommends connecting the station to the municipal water supply. The Department reminds ExxonMobil and Mid-Atlantic Convenience Stores, LLC that this facility is located in a well head protection area as designated by Frederick County and must continue to meet the requirements of Code of Maryland Regulations (COMAR) 26.10.02.03-4B.
- 5) Continue **quarterly (every three months)** sampling of the monitoring well network. All samples collected must be analyzed for full-suite volatile organic compounds (VOCs), including fuel oxygenates, using EPA Method 8260.
- 6) Continue **quarterly** sampling of the station's drinking water supply well. Samples collected must be analyzed for full-suite VOCs, including fuel oxygenates, using EPA Method 524.2. If the station is connected to the municipal supply, the former drinking water supply well must be converted for use as a monitoring well; after which the samples must be analyzed for full-suite VOCs, including fuel oxygenates, using EPA Method 8260.
- 7) Continue **quarterly** sampling of the installed GAC filtration systems (pre-, mid-, and post-filtration). Samples collected must be analyzed for full-suite VOCs, including fuel oxygenates, using EPA Method 524.2. Submit copies of all sampling results to the respective property owners and tenants, the Frederick County Health Department (Mr. George Keller), and the MDE-OCP case manager, Mr. Jim Richmond. Upon confirmation of connection to public water, these systems must be properly decommissioned and the former drinking water supply well must be properly abandoned by a Maryland-licensed well driller.

Ms. Jewel G. Cox and Mr. Marshall Hare
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- 8) Notify the Oil Control Program at least five (5) working days prior to conducting any scheduled work at this site so we have an opportunity to observe field activities.

When submitting documentation to the Oil Control Program, provide two hard copies and a digital copy on a labeled compact disc (CD) for updating the Oil Control Program's *Remediation Sites* list on the MDE website. If you have any questions, please contact the case manager, Mr. Jim Richmond, at 410-537 3337 (email: jrichmond@mde.state.md.us) or me at 410-537-3499 (email: sbull@mde.state.md.us).

Sincerely,



Susan R. Bull, Western Region Section Head
Remediation and State-Lead Division
Oil Control Program

JWR/nln

cc: Mr. Mark C. Steele (Kleinfelder)
Samuel and Evelyn Wood & William Dent, Trustees
Kiplinger Washington Editors, Inc. Property Management
Mr. George Keller (Frederick County Health Dept.)
Mr. Rodney Winebrenner (Division of Utilities and Solid Waste Mgmt)
Mr. Tim Goodfellow (Division of Planning and Zoning)
Mr. John Grace (MDE-Water Supply Program)
Mr. Christopher H. Ralston
Mr. Horacio Tablada

