DEPARTMENT OF THE ARMY
US ARMY INSTALLATION MANAGEMENT COMMAND
HEADQUARTERS, UNITED STATES ARMY GARRISON
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December 31, 2014

Directorate of Public Works

Mr. John Burchette
NPL/BRAC/Federal Facilities Branch
U.S. Environmental Protection Agency
1650 Arch Street
Philadelphia, PA 19103-2029

Dear Mr. Burchette:

This letter serves as notification that the December 2014 *Draft Annual Soil Gas Monitoring Report* (the Report) for FGGM-93, Manor View Dump Site at Fort George G. Meade has been finalized. The U.S. Environmental Protection Agency approved the draft report without comment on December 16, 2014 and the Maryland Department of the Environment (MDE) has not provided comments at this time. A Final report cover, spine, signature page and CD are enclosed. Copies of the Report have also been furnished to Fran Coulters (U.S. Army Environmental Command), Elisabeth Green (MDE), Matt Almes (Anne Arundel County Schools), and the Fort George G. Meade Restoration Advisory Board.

If you have any questions, please feel free to contact Ms. Denise Tegtmeyer at (301) 677-9559 or me at (301) 677-7999.

Sincerely,

George B. Knight, PG
Acting Program Manager, Installation Restoration Program
Directorate of Public Works-Environmental Division

Enclosure

ARCADIS

Imagine the result

FINAL 2014 Annual Soil Gas Monitoring Report

FGGM 93, Manor View Dump Site, Fort George G. Meade, Maryland

December 2014

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Final 2014 Annual Soil Gas Report

FGGM 93, Manor View Dump Site
Fort George G. Meade, Maryland

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Our Ref.:
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Date:
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Table of Contents

Table of Contents

Figures

Appendices

Table of Contents

Acronyms and Abbreviations

%	Percent
ARCADIS	ARCADIS U.S. Inc.
BGE	Baltimore Gas & Electric
bgs	below ground surface
C&D	Construction and Demolition
FGGM	Fort George G. Meade
FGGM 93	Manor View Dump Site
ft	feet
IRAR	Interim Removal Action Report
IRP	Installation Restoration Program
LEL	Lower Explosive Limit
LTM	Long Term Monitoring
MGW	Methane Generating Waste
MP	Monitoring Point
NTCRA	Non-time Critical Removal Action
Plexus	Plexus Scientific Corporation
PVC	Polyvinyl Chloride
RD	Remedial Design
RI	Remedial Investigation
ROD	Record of Decision
SG	Soil Gas
Site	FGGM 93, Manor View Dump Site
SVE	Soil Vapor Extraction
U.S.	United States
URS	URS Corporation
VE	Vapor Extraction
VMP	Vapor Monitoring Point

Executive Summary

ARCADIS U.S. Inc. has been retained by the United States (U.S.) Army Environmental Command to perform Installation Restoration Program activities at Fort George G. Meade (FGGM), located in Anne Arundel County, Maryland (**Figure 1**). The Manor View Dump Site, FGGM 93 (hereinafter referred to as "the Site" or FGGM 93) is located near the intersection of MacArthur Road and 2nd Corps Boulevard in the northern portion of FGGM. A Site location map is provided as **Figure 2**, and an aerial map of the Site is presented in **Figure 3**. The Site is bounded by a group of residential housing and an open field to the north, 2nd Corps Boulevard to the south, Hayden Drive to the west, and Manor View Elementary School located at 2900 MacArthur Road to the east.

Landfilled material at the Site was discovered in 2003 during excavation and earth moving activities associated with the housing privatization initiative. Following the discovery of landfilled material, various field activities were completed to determine the nature and extent of the waste mass. Materials recovered in test pits and soil borings were dated as originating from the 1940s and classified into two general categories: methane generating waste (MGW) and construction and demolition (C&D) debris/fill. Results of these preliminary assessment/site investigation activities identified elevated methane concentrations in soil gas. In July and August 2005, a passive gas collection trench was installed along the western and northern extent of the Site to intercept methane migrating from the waste to the housing units and vent it to the atmosphere. In October 2005, soil gas samples were collected to determine the effectiveness of the passive collection trench. Elevated methane concentrations were observed near the housing units; thus, for protection of the residents, the affected housing units located north and west of the Site were evacuated in December 2005. The housing units have not been reoccupied.

The MGW occupied an approximately one-acre area confined to the western portion of the Site; bounded to the east by the north/south oriented drainage swale and to the north and west by the Potomac Place Housing Area. Methane was consistently observed at concentrations exceeding the Lower Explosive Limit of 5 percent in various soil gas monitoring locations in this area. This portion of the Site was the focus of a Non-Time Critical Removal Action (NTCRA) conducted in 2012, which included the excavation and off-Site disposal of approximately 27,700 tons of non-hazardous MGW and soil (**Figure 4**). Following achievement of the vertical and horizontal excavation limits, the Site was backfilled utilizing stockpiled overburden soil, followed by a minimum of 18 inches of clean imported common

fill, and 6 inches of top soil to support vegetative growth. The western portion of the Site is currently a vacant grassed lot.

The remaining approximate nine acres (eastern portion of the Site) contains debris/fill and typically consists of C&D debris, rubble, and burned material/ash which is more inorganic in nature and does not significantly contribute to methane generation through decomposition. The buried C&D debris remains on the eastern portion of the Site beneath a vegetative soil cover approximately 2 to 8 feet thick.

On-going in-situ soil gas monitoring for methane has been conducted from 2005 through 2014 at FGGM 93 to characterize the nature and extent of methane in subsurface soil void space and to optimize the operation of the soil vapor extraction system installed in 2006 and operational from January 2006 to August 2012 (including operation of the modified system constructed during implementation of the NTCRA). The following conclusions were drawn based on a review of historical methane data and lessons learned during implementation of in-situ soil gas monitoring and operation of the soil vapor exraction system:

- Concentrations of methane in soil gas are subject to variation due to changes in site conditions including ambient temperature, barometric pressure, rainfall, and changes in soil moisture;

- The NTCRA was effective in decreasing methane concentrations below the lower explosive limit at monitoring locations in the area surrounding the excavation boundaries; and,

- The remaining methane concentrations are likely attributed to the natural degradation of natural wood waste (consisting of roots, branches, stumps, and wood chips) entrained in fill material used during construction of the housing units.

This 2014 Annual Soil Gas Monitoring Report was developed to summarize the semi-annual in-situ soil gas monitoring events conducted in 2014 and historical methane data trends.

1. Introduction

ARCADIS U.S. Inc. (ARCADIS) has been retained by the United States (U.S.) Army Environmental Command to perform Installation Restoration Program (IRP) activities at Fort George G. Meade (FGGM), located in Anne Arundel County, Maryland. This work is being conducted under a Performance Based Contract associated with the environmental restoration program at FGGM. The full scope of services for this contract is defined in Contract W91ZLK-05-D-0015: Task 0005.

The IRP activities at FGGM are conducted under the U.S. Army's Defense Environmental Restoration Program and operate principally under the Comprehensive Environmental Response, Compensation, and Liability Act as amended by the Superfund Amendments and Reauthorization Act of 1986 and National Oil and Hazardous Substances Pollution Contingency Plan [40 Code of Federal Regulations 300]. FGGM was placed on the National Priorities List on July 28, 1998. Coordination and input are provided by the United States Environmental Protection Agency Region III, and as appropriate, with the other signatories of the FGGM Federal Facility Agreement, including the Architect of the Capitol and the Department of Interior. Input and coordination from Maryland Department of the Environment was also solicited.

1.1 Site Background

The following subsections provide a summary of the site location and history including a discussion of the original and existing soil vapor extraction system.

1.1.1 Site Location

FGGM is located midway between the cities of Baltimore, Maryland, and Washington D.C. in Anne Arundel County, Maryland, as shown in **Figure 1**. The Manor View Dump Site, FGGM 93 (hereinafter referred to as "the Site" or FGGM 93) is located near the intersection of MacArthur Road and 2nd Corps Boulevard in the northern portion of FGGM. The Site is located near the intersection of MacArthur Road and 2nd Corps Boulevard in the northern portion of FGGM. A Site location map is provided as **Figure 2**, and an aerial map of the Site is presented in **Figure 3**. The Site is bounded by a group of residential housing and an open field to the north, 2nd Corps Boulevard to the south, Hayden Drive to the west, and Manor View Elementary School located at 2900 MacArthur Road to the east.

1.1.2 Site History

Landfilled material at the Site was discovered in 2003 during excavation and earth moving activities associated with the housing privatization initiative. Following the discovery of landfilled material, various field activities were completed to determine the nature and extent of the waste mass. Materials recovered in test pits and soil borings were dated as originating from the 1940s, and classified into two general categories: methane generating waste (MGW) and construction and demolition (C&D) debris/fill.

Results of the preliminary assessment/site investigation activities identified elevated methane concentrations in soil gas. In July and August 2005, a passive gas collection trench was installed along the western and northern extent of the western portion of the Site to intercept methane migrating from the waste to the housing units and vent it to the atmosphere. In October 2005, soil gas samples were collected to determine the effectiveness of the passive collection trench. Elevated methane concentrations were observed near the housing units; thus for protection of the residents, the affected housing units located north and west of the Site were evacuated in December 2005 (Plexus, 2008). The housing units have not been reoccupied.

Following completion of various field activities designed to determine the nature and extent of the waste mass, it was determined that the MGW occupied an approximately one-acre area confined to the western portion of the Site; bounded to the east by the north/south oriented drainage swale and to the north and west by the Potomac Place Housing Area. Methane was consistently observed at concentrations exceeding the Lower Explosive Limit (LEL) of 5 percent (%) in various soil gas monitoring locations in this area. This portion of the Site was the focus of a Non-Time Critical Removal Action (NTCRA) conducted in 2012 (ARCADIS, 2012), which included the excavation and off-Site disposal of approximately 27,700 tons of non-hazardous MGW and soil (**Figure 4**). Following achievement of the vertical and horizontal excavation limits, the Site was backfilled utilizing stockpiled overburden soil, followed by a minimum of 18 inches of clean imported common fill, and 6 inches of top soil to support vegetative growth. The western portion of the Site is currently a vacant grassed lot. Completion of the NTCRA is documented in the Interim Removal Action Report (IRAR; ARCADIS, 2013a).

The remaining approximate nine acres of the Site (eastern portion of the Site) contains debris/fill and typically consists of C&D debris including rubble and burned material/ash which is more inorganic in nature and does not significantly contribute to methane generation through decomposition. The buried C&D debris remains on the eastern portion of the Site beneath a vegetative soil cover approximately 2 to 8 feet (ft) thick.

A comprehensive review of all field investigations conducted prior to implementation of the selected remedy is provided in the Feasibility Study (ARCADIS, 2013b).

1.1.3 Soil Vapor Extraction System

The passive gas collection trench extended approximately 700 ft along the western and northern extent of the western portion of the Site (**Figure 5**). The trench was installed vertically to a depth of 15 ft below the ground surface (bgs) and was backfilled with aggregate. Thirteen soil gas vents were installed at approximately 50-ft intervals over the length of the trench and extended to the bottom of the trench. Each vent was screened 5 to 15 ft bgs. Construction of the passive gas collection trench was completed in August 2005.

Immediately following the evacuation of the housing units in December 2005, the passive soil gas collection trench was connected to a blower system and converted to an active soil vapor extraction (SVE) system.

Original SVE System (2005 – 2012)

The original SVE system was installed using adaptive design techniques that allowed the system to be expanded and modified with minimal effort to target areas where elevated methane concentrations were observed. In August 2005, URS Corporation (URS) installed six vapor extraction (VE) wells and 12 shallow vapor monitoring points (VMPs) to support pilot study extraction testing conducted during the Remedial Investigation (RI) including VE-A through VE-F and VMP-1 through VMP-12, respectively. During 2006, Plexus Scientific Corporation (Plexus) converted the passive trench to an active SVE system which consisted of the following activities:

- Connection of a regenerative blower to the passive trench via the existing vents and an above ground piping network;
- Placement of an impermeable liner over the passive trench;
- Modification of the passive vents and risers from above ground to below the ground surface and installation of sample ports and control valves to control and monitor the SVE system,

- Installation of an additional 22 shallow monitoring points (VMP-21 – VMP-39 and VMP-41 through VMP-43) and seven deep monitoring points ([MP]-A through MP-G), and

- System testing including optimization activities and upgrades to the blower.

Deep MPs were installed along the perimeter of the dump site to monitor both shallow and deep methane gas migration (screened 2- 15 ft bgs); but were also constructed to be connected to the system as a vapor extraction point, if necessary. During initial system optimization VE-A, VE-B, VE-C, VE-D, MP-C, MP-D, and MP-E were connected to the above ground piping network and utilized as vapor extraction points. Modification of the passive gas collection trench to an active SVE system is discussed in the Removal Action Report prepared by Plexus (Plexus, 2008).

Prior to implementation of the NTCRA, the system consisted of a vacuum blower and condensate tank located in a shed enclosure, 13 trench extraction wells (former passive “Vents”), and seven additional vapor extraction points (VE-A, VE-B, VE-C, VE-D, MP-E, MP-D, and MP-C). Components of the system were connected to the blower by above ground polyvinyl chloride (PVC) pipe. Ball valves were placed in line with PVC piping and were adjusted to optimize and control vacuum throughout the system. The system was designed to drain condensate towards the southern Site boundary and discharged through the condensate drain line. The main piping network was wrapped in heat trace and insulation to prevent condensate within the PVC piping from freezing during the winter months.

During this period, 52 locations comprising the SVE system and surrounding the dump site, adjacent housing development, and the Manor View Elementary School play field were monitored for methane. Monitoring was conducted monthly from January 2006 to March 2006 and weekly April 2006 to February 2012 to evaluate system performance and to ensure methane was not migrating beyond the limits of the SVE system. The original system layout is presented on **Figure 5**.

Existing SVE System (2012 – Present)

Prior to commencement of construction activities associated with implementation of the NTCRA, the existing SVE system piping and appurtenances were reconfigured by placing the aboveground portions of the SVE system below ground. The existing blower enclosure was relocated to the southeast corner of the Site. All above grade vents and remaining monitoring points, not removed during the excavation, were

modified below ground surface at a depth of 30 inches and are accessible from the ground surface via flush mount casings. Former passive vents 1, 3, 7, and 11 and former vapor extraction well (VE-C) were modified to passive vents (i.e., the locations are open and soil vapor is allowed to passively vent to the atmosphere). Fourteen valves were installed below grade to optimize and control methane capture and are adjustable from the ground surface. Four condensate drain valves were installed to mitigate condensate collection within the piping network. All system components were constructed utilizing 4-inch schedule 40 PVC piping. The reconfigured system utilizes one vapor extraction point (MP-E) and ties into the capped passive gas collection trench at 13 locations. The existing SVE system layout is presented on **Figure 6**.

The following vapor extraction points, monitoring points converted to vapor extraction points, and vapor monitoring points were permanently removed during construction activities: VE-A, VE-B, and VE-D; MP-D and MP-C; and VMP-2 through VMP-8, VMP-21 through VMP-23, VMP-39 and VMP-41. Location VE-C remains in place; however it is not connected to the SVE system and no longer functions as a vapor extraction point.

After completion of the NTCRA, the reconfigured SVE system was operated for two weeks to purge the soil of residual methane and then turned off on August 17, 2012. The SVE system has remained off but in an operational status. In-situ post-NTCRA methane monitoring was conducted from August 2012 through March 2014 in accordance with the monitoring program established in the IRAR (ARCADIS, 2013a) and consisted of in-situ methane monitoring at 43 locations including the addition of three soil gas (SG) monitoring locations installed during implementation of the RI in 2004/2005 (i.e., SG-82, SG-84, and SG-50). SG-82 and SG-84 are each comprised of three individual monitoring locations installed at varying depths. Data collected during this period was transmitted to the Army via letter following completion of each monitoring event.

1.2 Scope of Work

The selected remedy for FGGM 93, pursuant to the Record of Decision (ROD; U.S. Army, 2014a), consists of the following components:

- Semi-annual long-term monitoring (LTM) of in groundwater;
- Semi-annual LTM of soil gas for methane;

- Annual LTM of indoor air in the crawl space at Manor View Elementary;
- Annual site inspections and maintenance of the soil cover; and
- Implementation of land use controls.

Implementation of the selected remedy is outlined in the Remedial Design (RD; ARCADIS, 2014a). A summary of the LTM program is presented in **Table 1**. Field activities associated with implementation of the RD are on-going and will be documented in the Remedial Action Report submitted under a separate cover in the fourth quarter of 2014. The remainder of this report focuses on the results of in-situ soil gas monitoring conducted at the Site in 2014.

2. 2014 Site Activities

The 2014 site activities consisted of conducting two semi-annual in-situ soil gas monitoring events during the first and third quarters of 2014. The March 2014 event included in-situ methane monitoring at 43 monitoring locations in accordance with the monitoring program established in the NTCRA (ARCADIS, 2012); however, the August 2014 event was conducted subsequent to the development of the ROD and in accordance with the LTM program established as part of the selected remedy for the Site (U.S. Army, 2014). Soil gas results collected during the March 2014 sample event were summarized in a letter to the Army titled "Semi-Annual Methane Monitoring Summary (August 2013 – March 2014)" and dated March 21, 2014 (ARCADIS, 2014b).

During development of the RD, a desktop review of historic monitoring results was conducted to optimize the soil gas monitoring network. Monitoring locations exhibiting no measurable detections of methane following completion of the NTRCA were removed from the network. Thus, the August 2014 event included in-situ methane monitoring at a subset of the monitoring locations (17 monitoring locations). Soil gas monitoring locations are presented on **Figure 6**.

Landfill gas measurements (i.e., methane, carbon dioxide, and oxygen) were collected in-situ using a Landtec GEM™ 2000 landfill gas monitor and in accordance with the standard operating procedures presented in the RD (ARCADIS, 2014a). Prior to conducting monitoring activities, the landfill gas monitor was calibrated in accordance with manufacturer specifications. Two landfill gas readings were collected at each monitoring point: (1) initial reading collected from the monitoring point head space and (2) a final reading following a three-volume purge of the monitoring point. Following documentation of the initial reading, a three-volume purge was conducted at each monitoring point to displace stagnant air within the headspace and to capture a representative sample of the soil vapor from the screened interval. Flow rates and purge times were recorded following the three-volume purge at each monitoring point. Soil gas monitoring point (i.e., VMPs, MPs, etc.) construction details and volume calculations are provided on **Table 2**. Field forms are provided in **Appendix A**.

3. Long-Term Monitoring Results

This section presents the results of the semi-annual in-situ soil gas monitoring events conducted at FGGM 93 in 2014. Methane concentrations following the three-volume purge are presented in **Table 3** and on **Figure 7**. **Tables 4** and **5** summarize the three-volume purge conducted at each monitoring point (i.e. flow rates, flow times, total purge volumes) during the March 2014 and August 2014 monitoring event, respectively. Sample field forms are presented in **Appendix A**.

3.1 Long-Term Monitoring Results

As previously discussed, in-situ soil gas monitoring was conducted in March 2014 in accordance with the Post-NTCRA LTM program established in the IRAR (ARCADIS, 2013a); thus, methane concentrations were measured at all of the soil gas monitoring locations at the Site. Methane was not observed at concentrations exceeding the LEL of 5%. Final methane concentrations, measured following purging activities, were observed below the LEL at six of the 43 monitoring locations sampled, with the highest concentration recorded at VMP-26 and VMP-33 at a concentration of 1.2 %.

The August 2014 monitoring event was conducted in accordance with the LTM program established in the ROD and as a component of the selected remedy (U.S. Army, 2014). During development of the RD, the monitoring network was reduced to include monitoring locations with detectable concentrations of methane following completion of the NTCRA (17 total locations). Methane was detected above the LEL of 5% at VMP-26 at a concentration of 9.1%. Final methane concentrations were detected below the LEL at 10 locations. The remaining six locations did not exhibit any methane concentrations above the Landtec Gem™ 2000's detection limits (i.e., 0 %).

3.2 Historical Data Trends and Analysis

The following conclusions have been drawn based on an evaluation of historical monitoring data collected and lessons learned during completion of in-situ methane monitoring conducted 2006 through 2014. Historical monitoring data collected during 2006 through 2014 is provided in **Appendix B-1**. A summary of methane detections following shutdown of the SVE system in August 2012 is provided in **Appendix B-2**.

3.2.1 General Variations in Methane Concentrations

Methane concentrations are subject to variation due to site conditions including ambient temperature, barometric pressure, rain events, and soil moisture. Specifically, elevated methane concentrations are observed during the summer months when temperatures are higher and the decomposition of organic material is more active. Additionally, changes in soil moisture following rain events typically results in the movement of methane concentrations from one location to another.

3.2.2 Methane Concentrations at MP-A

MP-A is located adjacent to the eastern boundary of the NTCRA in the Manor View Elementary School play field (**Figure 6**). Prior to mobilization of the NTCRA, methane at this location exhibited variations in concentration with concentrations sporadically exceeding the LEL. The historical maximum at MP-A occurred on October 3, 2011 at a concentration of 16.9%.

A pocket of organic waste was observed in the vicinity of MP-A during the NTCRA (ARCADIS, 2013a). The removal of this material was not feasible due to the excavation being advanced to its furthest eastern limit without regulatory approval of expanding the excavation beyond the limit of disturbance. Methane concentrations at MP-A fluctuated below the LEL following shutdown of the SVE system in August 2012 through the third quarter of 2012 and increased above the LEL on January 22, 2013 at a concentration of 5.6%. Since January 2013, methane concentrations have steadily decreased. No methane was detected at MP-A in August 2014. A historical trend plot depicting methane concentrations recorded at MP-A is presented in **Appendix C**.

3.2.3 Methane Concentrations at VMP-30 and VMP-31

VMP-30 and VMP-31 are located outside of the capped passive gas collection trench between two sets of housing units (**Figure 6**). Prior to the completion of the NTCRA, methane concentrations at these locations were frequently measured at levels above the LEL of 5%. The maximum detected concentration of methane at VMP-30 and VMP-31 is 97.4% (2/27/2007) and 69.8% (5/14/2007), respectively.

Weekly and daily methane monitoring conducted concurrent to the NTCRA indicated sporadic detections of methane at VMP-30 and 31 following the removal of the MGW nearest these locations from within the originally anticipated excavation boundaries. As a result of these methane detections, three test-pits in the vicinity of VMP-30 and VMP-

31 were conducted to characterize subsurface conditions. Although MGW of a municipal/sanitary origin was not identified in any of the three test-pits conducted nearest VMP-30 and 31, a determination was made to excavate the soil within the existing limits of disturbance to remove any potential MGW that was not identified within the three test-pits. An estimated 750 cubic yards of soil and natural wood waste were excavated, transported, and disposed of at an off-Site disposal facility (refer to blue hatching on **Figure 4**). No MGW of a municipal/sanitary origin was identified during the excavation of this area. However, a two ft thick layer of cohesive natural wood waste was observed near VMP-30 and 31 and also entrained within the fill material excavated from this area that was presumably placed during construction of the residential housing.

Following completion of the NTCRA, final methane concentrations at VMP-31 exhibited a decreasing trend with one concentration slightly above the LEL of 5% in November 2013 (6.7%). However, the corresponding initial methane concentrations collected from the headspace of each monitoring location were observed above the LEL of 5 %. Final methane concentrations were more unstable at VMP-30 with concentrations above the LEL occurring consistently from September 4, 2012 through January 9, 2013. The corresponding headspace methane concentrations were typically less than the post-purge results.

In January 2013, an investigation was conducted to determine if the elevated concentrations in this area were the result of methane gas leaking from an adjacent subsurface gas line. The adjacent gas line was identified in a compromised state in July 2007 and leaking methane gas was impacting methane concentrations recorded at VMP-30 and VMP-31 during the first and second quarters of 2007 (likely triggered the historical maximums as detailed above). Following repairs to the pipe in 2007, methane concentrations at VMP-30 and VMP-31 decreased. The investigation activities conducted in 2013 included (1) in-situ sampling for methyl mercaptan (a colorless gas with distinctive smell added to natural gas for detection purposes using Gastec Detector Tubes and (2) the collection of soil gas samples by Baltimore Gas & Electric (BGE) to evaluate the chemical composition of the gas and definitively determine whether the gas line was a source of methane in this area. No mercaptan was detected in soil gas samples collected at VMP-30 and VMP-31. Furthermore, the chemical composition of the soil gas samples analyzed by BGE was not consistent with the natural gas supplied by BGE; thus, it was determined that the pipe was not leaking and not impacting methane concentrations in this area.

Methane was not detected following purge activities at VMP-30 and VMP-31 during the last three sample events conducted in August 2013, March 2014, and August 2014. Methane concentrations in this area, following completion of the NTCRA, are likely attributed to the natural degradation of natural wood waste (see below) identified in this area. Methane trend plots for VMP-30 and VMP-31 (2011 – present) are presented in **Appendix C**.

3.2.4 Methane Concentrations at VMP-26

VMP-26 is located between the capped passive gas collection trench and the housing units in the northwest corner of the Site. Prior to the completion of the NTCRA, methane was typically not detected at this location. The maximum detected concentration of methane at VMP-26 is 17.6% (7/7/2006). Methane trend plots for VMP-26 (2006 – present) are presented in **Appendix C**.

During implementation of the NTCRA, no MGW was identified extending towards the western excavation boundary (i.e., towards VMP-30/31, VMP-26, or VMP-36). However, following the shutdown of the SVE system in August 2012 and implementation of the three-volume purge sampling procedures, methane concentrations at this location have fluctuated, exceeding the LEL of 5% during two sample events (August 2013 - 8.5% and August 2014 - 9.1%). Elevated methane concentrations observed at VMP-26 are likely attributable to the natural degradation of woody debris entrained in fill material as identified at VMP-30 and VMP-31, with the highest concentrations occurring in the summer months when increased temperatures accelerate the decomposition of organic material.

The discrepancy between pre- and post- NTCRA methane concentrations at VMP-26 is attributed to the implementation of the three-volume purge methodology and the use of a pump to remove water and obstructions from the monitoring point. Historically, water and debris have accumulated within the ¼-inch tubing associated with VMP-26 making it difficult to obtain a representative soil gas sample with the Landtec GEM™ 2000 and a water knock-out bottle. However, following implementation of the three-volume purge methodology, a pump with a greater flow rate has been utilized and is capable of effectively removing obstructions prior to measuring methane concentrations with the Landtec GEM™ 2000.

3.2.5 Identification of Natural Wood Waste

Throughout the NTCRA, it was observed that natural wood waste consisting of roots, branches, stumps, and wood chips and capable of decomposition and methane generation was intermixed within the overburden soils. The natural wood waste is distinct and different from the MGW in which the NTCRA targeted to achieve the remedial action objectives. Considering the conceptual site model in which the site was heavily forested prior to clearing, it is inferred that the natural wood waste observed within the overburden soils were derived from the clearing and grubbing activities associated with the housing privatization initiative during the early 2000s timeframe.

Selected pockets of natural wood waste (as discussed above at VMP-30 and VMP-31 and also in the vicinity of VMP-1) were excavated when encountered, but largely, the natural wood waste present at the Site and outside of the excavation boundaries was not excavated and disposed due to the distinction between the natural wood waste and the MGW (ARCADIS, 2013a).

3.3 Discussions and Conclusions

The following conclusions were drawn based on a review of historical methane data and lessons learned during implementation of in-situ soil gas monitoring and operation of the SVE system:

- Concentrations of methane in soil gas are subject to variation due to changes in site conditions including ambient temperature, barometric pressure, rainfall, and changes in soil moisture. In general, methane concentrations are typically higher in the summer months when temperatures are elevated and decrease in the winter when temperatures fall below freezing. Furthermore, methane results vary by location and in concentration during periods of heavy rainfall when soil moisture creates a barrier and captures and redistributes methane below the ground surface.

- The NTCRA was effective in decreasing methane concentrations below the LEL at monitoring locations in the area surrounding the excavation boundaries (i.e., VMP-30/31, MP-A, VMP-1, and VMP-4).

- The remaining methane concentrations are likely attributed to the natural degradation of wood waste (consisting of roots, branches, stumps, and wood

chips) entrained in fill material used during construction of the housing units (i.e., SG-82 and in the vicinity of VMP-26).

4. Future Actions

In accordance with the LTM program established in the Draft RD (ARCADIS, 2014a), in-situ soil gas monitoring will continue on a semi-annual frequency and in conjunction with groundwater and indoor air sampling events. The next semi-annual soil gas monitoring event is scheduled for the first quarter of 2015. Comprehensive soil gas data evaluations will be conducted and reported semi- annually.

5. References

ARCADIS. 2012. Non-Time Critical Removal Action Work Plan for FGGM 93, Manor View Dump Site. Final. February.

ARCADIS. 2013a. Interim Removal Action Report, Manor View Dump Site. Final. March.

ARCADIS. 2013b. Feasibility Study, Manor View Dump Site. Final. August.

ARCADIS. 2014a. Remedial Design, Manor View Dump Site. Draft. September.

ARCADIS. 2014b. Semi-Annual Methane Monitoring Summary (August 2013 – March 2014). Final. March, 21, 2014.

Plexus Scientific Corporation. 2008. Emergency Removal Action Report, Manor View Dump Site FGGM-93, Fort George G. Meade, Maryland. Draft Final. July.

U.S. Army. 2014. Record of Decision, FGGM 93 Manor View Dump Site, Fort George G. Meade, Maryland. Final. September.

Tables

Table 1
Long-term Monitoring Program Summary
FGGM 93 Manor View Dump Site
Fort George G. Meade, Maryland

Category	Analytical Parameters	Sampling Frequency	Monitoring Wells	Sampling Method
Groundwater	40 CFR 258, Appendix I Parameters (Volatile Organic Compounds, Total Metals, and Water Quality Parameters[2])	Semi-annually	MW-1	Low Flow Sampling
			MW-2	
			MW-3	
			MW-4	
			MW-5	
			MW-6	
			MW-7	
			MW-8	
			MW-9	
			MW-10	
			MW-11	
Soil Gas	Landfill Gases (Methane, Carbon Dioxide, and Oxygen)	Semi-annually, concurrent with groundwater monitoring schedule.	VMP-1	In-Situ Monitoring
			VMP-4	
			VMP-11	
			VMP-26	
			VMP-27	
			VMP-29	
			VMP-30	
			VMP-31	
			VMP-32	
			VMP-33	
			VMP-36	
			MP-A	
			VE-F	
			VE-C	
			SG-82 (S,M,D)	
Indoor Air	Trichloroethene and its daughter products	Annually, concurrent with groundwater monitoring schedule.	MV-13, Manor View Elementary Crawl Space	SUMMA® Canister

Notes:

1. The groundwater monitoring program may be modified over time based on monitoring results, upon concurrence from the Maryland Department of the Environment and the United States Environmental Protection Agency.

2. Water quality parameters include pH, alkalinity, hardness, chloride, specific conductance, nitrate, chemical oxygen demand, turbidity, ammonia, sulfate, and total dissolved solids.

Table 2
Soil Gas Monitoring Three Volume Purge Summary
FGGM 93 Manor View Dump Site
Fort George G. Meade, Maryland

Monitoring Location	Diameter (in)	Depth (ft)	Construction Material	Screened Interval (ft bgs)	Volume (cf)	3x Volume (cf)	3x Volume (L)
RI Soil Gas (SG) Monitoring Points:							
SG-82S	0.5	8.2	PVC	Unknown	0.01	0.03	0.95
SG-82M	0.5	19	PVC	Unknown	0.03	0.08	2.20
SG-82D	0.5	37	PVC	Unknown	0.05	0.15	4.28
Monitoring Points (MP)							
MP-A	2	15	PVC	2 - 15	0.33	0.98	27.79
Vapor Monitoring Points (VMP)							
VMP-1 and VMP-4	1	10	PVC	3 - 10	0.05	0.16	4.63
VMP-30 and VMP-31	1	7	PVC	3 - 7	0.04	0.11	3.24
VMP-11	1	15	PVC	3 - 15	0.08	0.25	6.95
Vapor Monitoring Points							
VMP- 26, 27, 29, 32, 33, 36	0.25	5	Polyethylene Tubing	3/4-in diameter screened drive point at 5-ft bgs	0.0017	0.005	0.14
Former Vapor Extraction (VE) Points							
VE-C and VE-F	4	15	PVC	3 - 15	1.31	3.93	111.14

Notes :
bgs - below ground surface
cf - cubic feet
ft - feet
in - inch
L - liter
PVC - polyvinyl chloride

Table 3
2014 Soil Gas Monitoring Results
FGGM 93 Manor View Dump Site
Fort George G. Meade, Maryland

Date :	3/14/2014			8/8/2014		
Monitoring Point	**Methane (%)**	**CO_2 (%)**	**O_2 (%)**	**Methane (%)**	**CO_2 (%)**	**O_2 (%)**
VMP - 1	0.0	2.3	18.2	0.0	2.3	19.1
VMP - 2	---	---	---	---	---	---
VMP - 3	---	---	---	---	---	---
VMP - 4	0.0	0.1	21.0	0.0	3.0	17.8
VMP - 5	---	---	---	---	---	---
VMP - 6	---	---	---	---	---	---
VMP - 7	---	---	---	---	---	---
VMP - 8	---	---	---	---	---	---
VMP - 9	0.0	2.4	17.3	---	---	---
VMP - 10	0.0	3.6	15.0	---	---	---
VMP - 11	0.0	0.4	20.6	0.3	3.0	17.9
VMP - 12	0.0	3.9	16.3	---	---	---
VMP - 21	---	---	---	---	---	---
VMP - 22	---	---	---	---	---	---
VMP - 23	---	---	---	---	---	---
VMP - 24	0.0	0.5	19.9	---	---	---
VMP - 25	0.0	0.6	19.5	---	---	---
VMP - 26	1.2	5.1	13.3	9.1	21.9	0.2
VMP - 27	0.0	11.0	4.7	3.9	25.8	0.0
VMP - 28	0.0	0.0	20.6	---	---	---
VMP - 29	0.6	0.2	20.2	0.7	0.2	19.9
VMP - 30	0	0.1	20.6	0	0.2	20
VMP - 31	0.0	0.4	19.4	0.0	0.3	20
VMP - 32	0.0	1.1	20.6	1.3	19.6	0.3
VMP - 33	1.2	12.6	4.3	1.4	20.7	0.3
VMP - 34	0.0	5.2	12.3	---	---	---
VMP - 35	0.0	13.1	6.1	---	---	---
VMP - 36	0.4	17.7	0.0	4.1	20.7	0.3
VMP - 37	0.0	1.1	19.1	---	---	---
VMP - 38	0.0	13.4	2.5	---	---	---
VMP - 39	---	---	---	---	---	---
VMP - 41	---	---	---	---	---	---
VMP - 42	0.0	0.3	20.5	---	---	---
VMP - 43	0.0	9.1	6.8	---	---	---
MP-A	0.7	13.6	3.0	0.0	0.0	20.6
MP-B	0.0	2.0	19.4	---	---	---
MP-C	---	---	---	---	---	---
MP-D	---	---	---	---	---	---
MP-E	0.0	6.0	12.9	---	---	---
MP-F	0.0	0.8	20.7	---	---	---
MP-G	0.0	6.0	12.7	---	---	---
Blower	0.0	0.0	21.9	---	---	---
Vent 1	0.0	1.4	19.7	---	---	---
Vent 3	0.0	1	20.1	---	---	---
Vent 7	0.0	0.9	20.4	---	---	---
Vent 11	0.0	0.7	20.6	---	---	---
VE-A	---	---	---	---	---	---
VE-B	---	---	---	---	---	---
VE-C	0.0	1.8	19.7	0.0	2.0	18.8
VE-D	---	---	---	---	---	---
VE-E	0.0	2.3	17.9	---	---	---
VE-F	0.0	2.1	19.2	0.8	5.6	15.0
SG-50	0.0	12.4	4.0	---	---	---
SG-82S	0.0	0.8	20.0	1.7	20.1	0.1
SG-82M	0.2	15.2	3.9	2.7	20.4	0.1
SG-82D	0.0	12.4	3.7	0.1	14.5	1.0
SG-84S	0.0	5.0	8.1	---	---	---
SG-84M	0.0	8.7	8.6	---	---	---
SG-84D	0.0	10.1	6.0	---	---	---

Note:
1. Soil gas monitoring locations shaded gray were removed during implementation of the Non-Time Critical Removal Action in 2012.
2. The August 2014 sampling event was conducted in accordance with the long-term monitoring program presented in the Remedial Design; thus, a subset of the sample locations were monitored.
3. Results presented above represent landfill gas concentrations measured following completion of three-volume purge activities.
--- - No Data Available
CO_2 - Carbon dioxide
MP - Monitoring Point
O_2 - Oxygen
SG - Soil Gas Monitoring Point
VMP - Vapor Monitoring Point
VE - Vapor Extraction Point

Table 4
Three Volume Purge Summary - March 2014
FGGM 93 Manor View Dump Site
Fort George G. Meade, Maryland

	Start Time	Stop Time	Vacuum (inches of water)	Flow (L/m)	Purge Duration (minutes)	Methane (%)	Carbon Dioxide (%)	Oxygen (%)	Total Purge Time (minutes)	Approximate Volume Purged (ft^3)
VMP-26										
FINAL	1238		0.4	0.4	0.5	1.2	5.1	13.3	0.5	0.007
VMP-29										
FINAL	1138		0.2	0.4	0.5	0.6	0.2	20.2	0.5	0.007
VMP-33										
FINAL	1244		0.2	0.4	0.5	1.2	12.6	4.3	0.5	0.007
VMP-36										
FINAL	1248		0	0.4	0.5	0.4	17.7	0	0.5	0.007
MP-A										
INITIAL	1117		0	0.4	0.5	0.0	5.2	16.2	2	1.3195
FINAL	1118	1119		25	1.5	0.7	13.6	3		
VMP-31										
INITIAL	1203		0	0.4	0.5	0.3	10.4	0.5	1.5	0.357
FINAL	1204	1205		10	1	0.0	0.4	19.4		
SG-82S										
INITIAL	1125		0	0.4	0.3	2.3	13.7	1	0.8	0.1792
FINAL	1127	1127		10	0.5	0.0	0.8	20		
SG-82M										
INITIAL	1125		0	0.4	0.3	0.3	15.8	0	0.8	0.1792
FINAL	1128	1129		10	0.5	0.2	15.2	3.9		

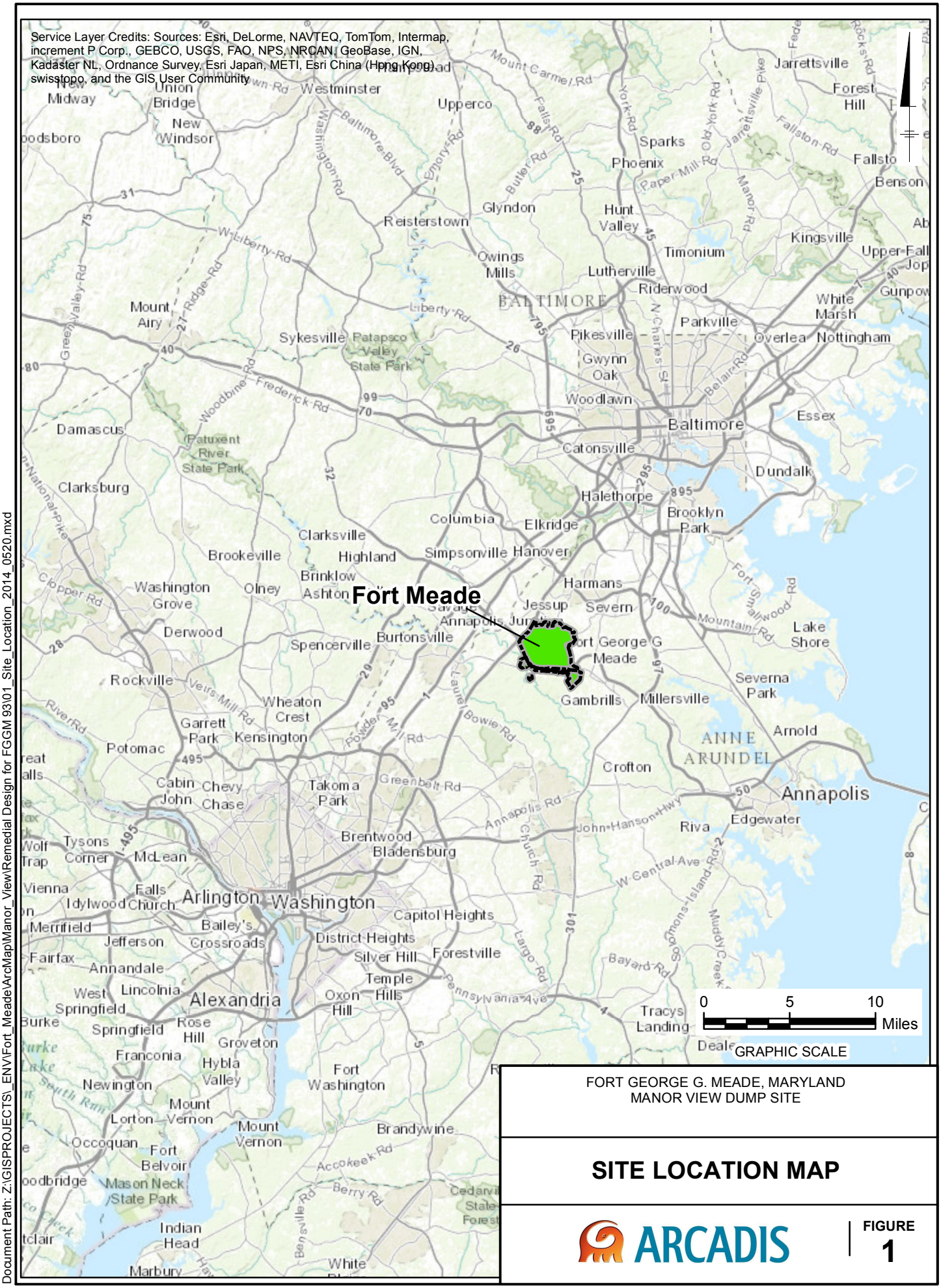
Notes:
1. Monitoring locations with no measurable methane were omitted from this summary table.
2. Initial methane concentrations are not recorded for monitoring locations constructed of 0.25-inch diameter polyethylene tubing because methane concentrations fluctuate too quickly during purging with Landtec GEM™ 2000 due to the small volume associated with the construction of the monitoring point .
% - percent
ft^3 - cubic feet
L/m - liters per minute

Table 5
Three Volume Purge Summary - August 2014
FGGM 93 Manor View Dump Site
Fort George G. Meade, Maryland

	Start Time	Stop Time	Vacuum (inches of water)	Flow (L/m)	Purge Duration (minutes)	Methane (%)	Carbon Dioxide (%)	Oxygen (%)	Total Purge Time (minutes)	Approximate Volume Purged (ft^3)
VMP-26										
FINAL	1009		0.4	0.4	0.5	9.1	21.9	0.2	0.5	0.007
VMP-27										
FINAL	1014		0.2	0.4	0.5	3.9	25.8	0	0.5	0.007
VMP-29										
FINAL	0959		0	0.4	0.5	0.7	0.2	19.9	0.5	0.007
VMP-32										
FINAL	1037		0	0.4	0.5	1.3	19.6	0.3	0.5	0.007
VMP-33										
FINAL	1005		1.7	0.4	0.5	1.4	20.7	0.3	0.5	0.007
VMP-36										
FINAL	1002		0	0.4	0.5	4.1	28	0	0.5	0.007
VMP-4										
INITIAL	1046		0	0.4	0.5	0.1	3.4	17.9	1.5	1.057
FINAL	1047	1048		30	1	0.0	3	17.8		
VMP-11										
INITIAL	0928		0	0.4	0.5	0.0	4.3	16.7	1.5	0.357
FINAL	0929	0930		10	1	0.3	3	17.9		
VE-F										
INITIAL	0932		0	0.4	0.5	0.0	0.4	20.4	4.5	4.207
FINAL	0933	0934		30	4	0.8	5.6	15		
SG-82S										
INITIAL	1019		0	0.4	0.5	6.8	25.4	0.1	1	0.182
FINAL	1021	1022		10	0.5	1.7	20.1	0.1		
SG-82M										
INITIAL	1019		0	0.4	0.5	2.6	19.6	0	1	0.182
FINAL	1022	1022		10	0.5	2.7	20.4	0.1		
SG-82D										
INITIAL	1020		0	0.4	0.5	3.7	21.3	0	1	0.182
FINAL	1023	1023		10	0.5	0.1	14.5	1		

Notes:
1. Monitoring locations with no measurable methane were omitted from this summary table.
2. Initial methane concentrations are not recorded for monitoring locations constructed of 0.25-inch diameter polyethylene tubing because methane concentrations fluctuate too quickly during purging with Landtec GEM™ 2000 due to the small volume associated with the construction of the monitoring point .
% - percent
ft^3 - cubic feet
L/m - liters per minute

Figures



FORT GEORGE G. MEADE, MARYLAND
MANOR VIEW DUMP SITE

SITE LOCATION MAP

ARCADIS

FIGURE
1

CITY: MPLS DIV/GROUP: IM DB: MG
FORT GEORGE G. MEADE
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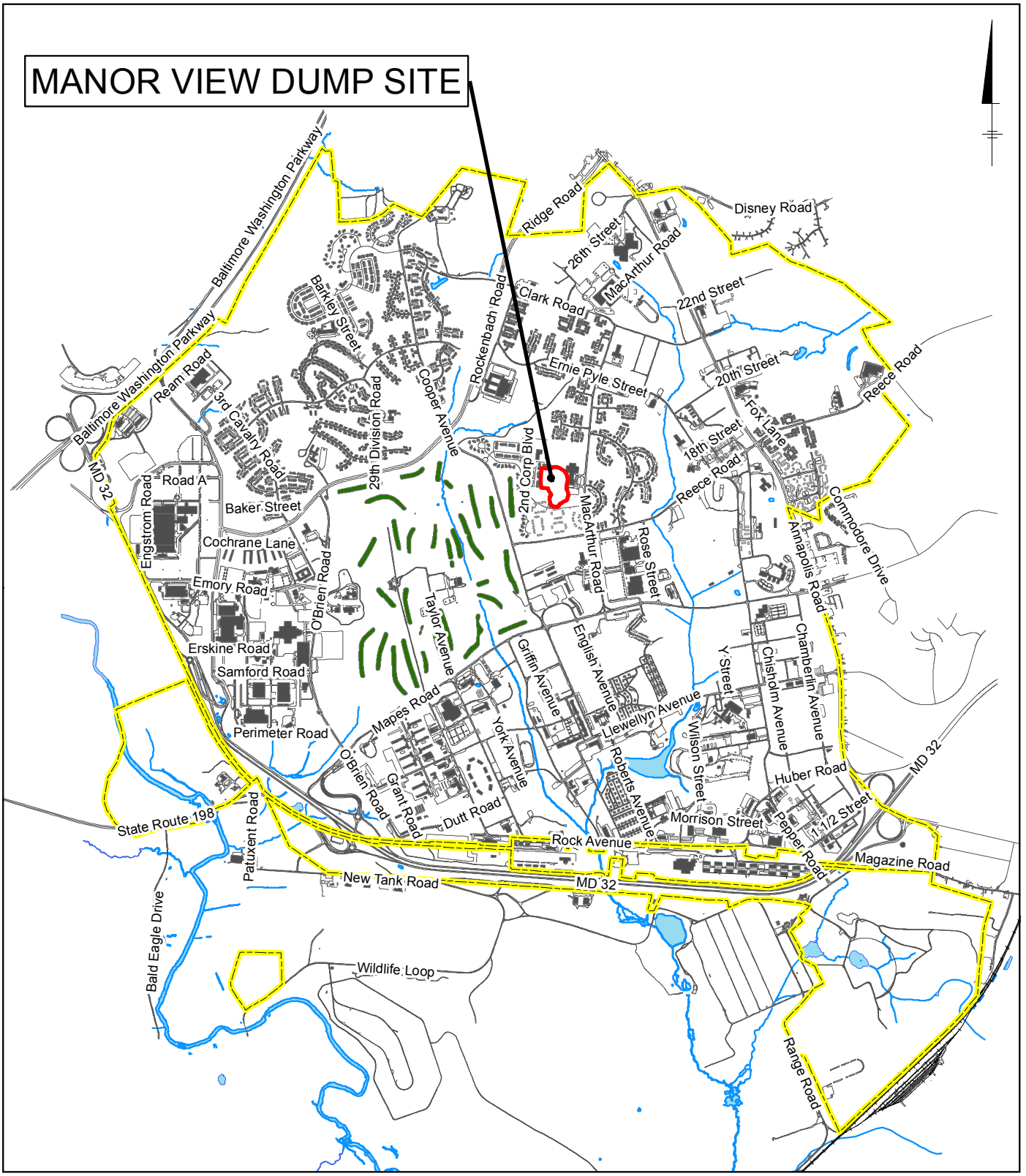


LEGEND:

MANOR VIEW SITE BOUNDARY

INSTALLATION BOUNDARY

0 1,500 3,000 Feet

GRAPHIC SCALE

FORT GEORGE G. MEADE, MARYLAND
MANOR VIEW DUMP SITE

MANOR VIEW DUMP SITE
SITE LOCATION MAP

ARCADIS

FIGURE 2

CITY: MPLS DIV/GROUP: IM DB: MG LD: A. DUGGINS
FORT MEADE
Document Path: Z:\GISPROJECTS_ENV\Fort_Meade\ArcMap\Manor_View\Remedial Design for FGGM 93\02_Manor_View_Loc_2014_0520.mxd

LEGEND:

SITE BOUNDARY

0 200 400 Feet

GRAPHIC SCALE

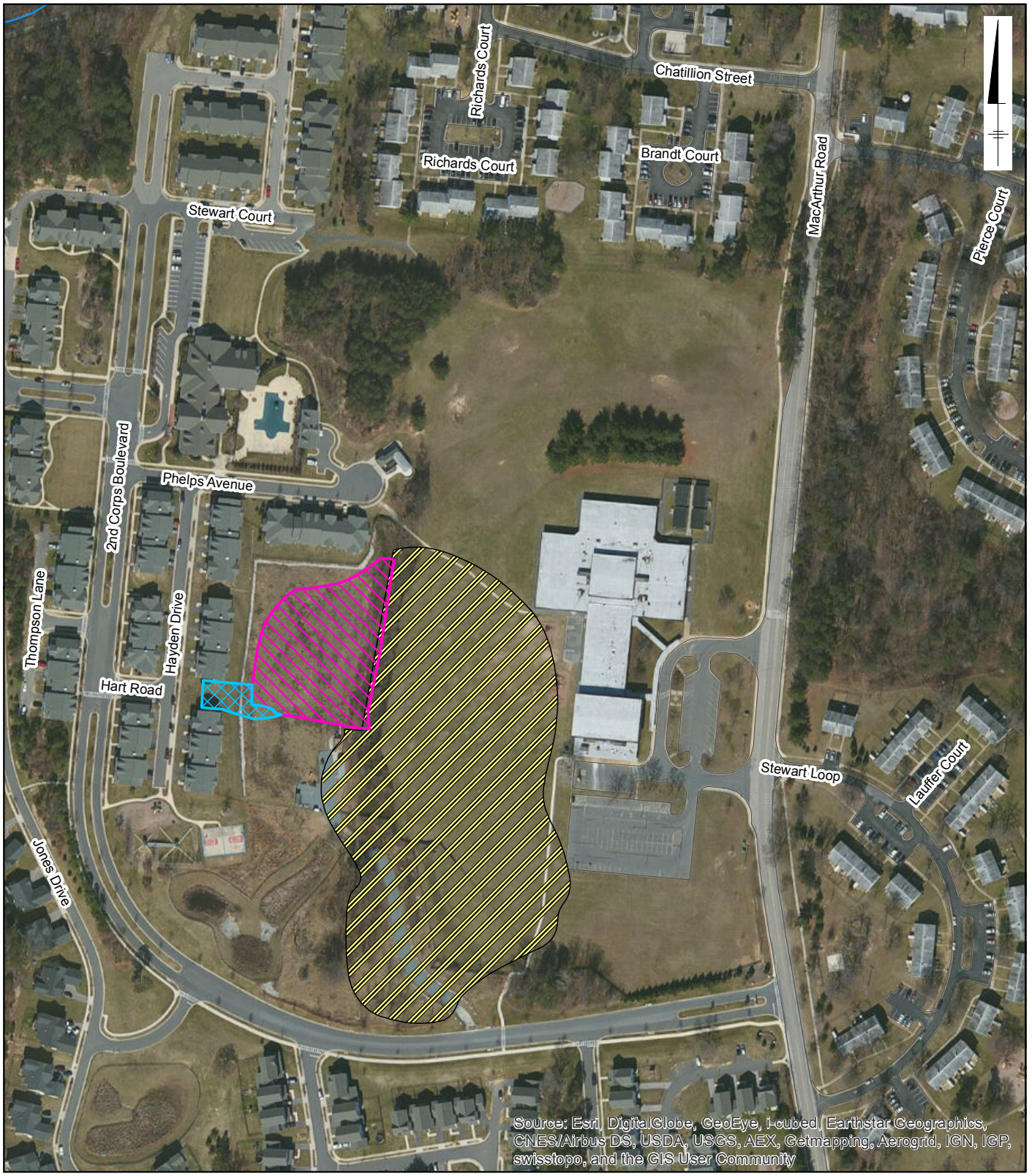
FORT GEORGE G. MEADE, MARYLAND
MANOR VIEW DUMP SITE

MANOR VIEW DUMP SITE
SITE MAP

ARCADIS

FIGURE
3

CITY: MPLS DIV/GROUP: IM DB: MG LD: HA
FORT MEADE
Path: Z:\GISPROJECTS_ENV\Fort_Meade\ArcMap\Manor_View\Remedial Design for FGGM 93\03_SiteMap_2014_0520.mxd



0 200 400 Feet

GRAPHIC SCALE

LEGEND:

EXTENT OF SOIL/WOODY DEBRIS EXCAVATION

DEBRIS/FILL FOOTPRINT

EXTENT OF METHANE GENERATING WASTE EXCAVATION REMOVED DURING THE 2012 NON-TIME CRITICAL REMOVAL ACTION (LOCATION IS APPROXIMATE)

FORT GEORGE G. MEADE, MARYLAND
MANOR VIEW DUMP SITE

EXCAVATION EXTENT AND DEBRIS/FILL FOOTPRINT

ARCADIS

FIGURE
4

CITY: MPLS DIV/GROUP: IM DB: MG LD: HA
FORT MEADE
Path: Z:\GISPROJECTS_ENV\Fort_Meade\ArcMap\Manor_View\2014-08\Waste_Footprint_20141125.mxd

Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, i-cubed, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

VMP-38
VMP-37
MP-C
VMP-36
VMP-29
VMP-28
VENT-11 (TR-11)
MP-B
VENT-9
VENT-10
VENT-11
VENT-12
VENT-13
VMP-39
VENT-7 (TR-7)
VMP-35
MP-D
VMP-34
VMP-33
VENT-8
VMP-1
VMP-2
VE-A
VMP-4
VMP-3
VMP-41
VMP-12
VMP-11
VE-F
VMP-26
VENT-7
VMP-27
VENT-6
VMP-21
VMP-22
VMP-23
VE-B
VMP-5
VENT-5
MP-A
VMP-42
VMP-6
MP-E
VENT-3 (TR-3)
VMP-32
VMP-31
SG-50
VENT-4
VMP-7
VMP-43
VMP-30
VMP-8
VE-C
VE-D
VMP-24
SG-84 (S, M, D)
VENT-3
VMP-25
Blower
VENT-2
VENT-1
VENT-1 (TR-1)
MP-F
MP-G
VMP-9
VE-E
VMP-10

LEGEND:

- Monitoring Point
- Trench Recovery Well
- Deep Vapor Monitoring Points
- Shallow Vapor Monitoring Points
- Vapor Extraction Well
- Former Passive Vent
- Perimeter Fence
- Gate
- Above Surface Piping Associated with Original Soil Vapor Extraction System (2006 - 2012)
- Capped Passive Gas Collection Trench

0 100 200 Feet

GRAPHIC SCALE

Notes:
1. The system layout presented hereon represents the soil vapor extraction system operated at FGGM 93 prior to implementation of the Non-Time Critical Removal Action (NTCRA) from January 2006 - August 2012.
2. Monitoring locations removed during implementation of the NTCRA are shaded gray; with the exception of the Former Passive Vents 1 through 13 which were removed during the First Quarter of 2006.
3. Vent-1, Vent-3, Vent-7, and Vent-11 (formerly trench recovery well [TR]-1, TR-3, TR-7, and TR-11) are extensions of the passive vents installed in July - August 2005 and in conjunction with the passive trench. Note, Vent-3 (TR-3) is connected to Former Passive Vent-4 and has been incorrectly labeled since monitoring began in 2006.

FORT GEORGE G. MEADE, MARYLAND
MANOR VIEW DUMP SITE

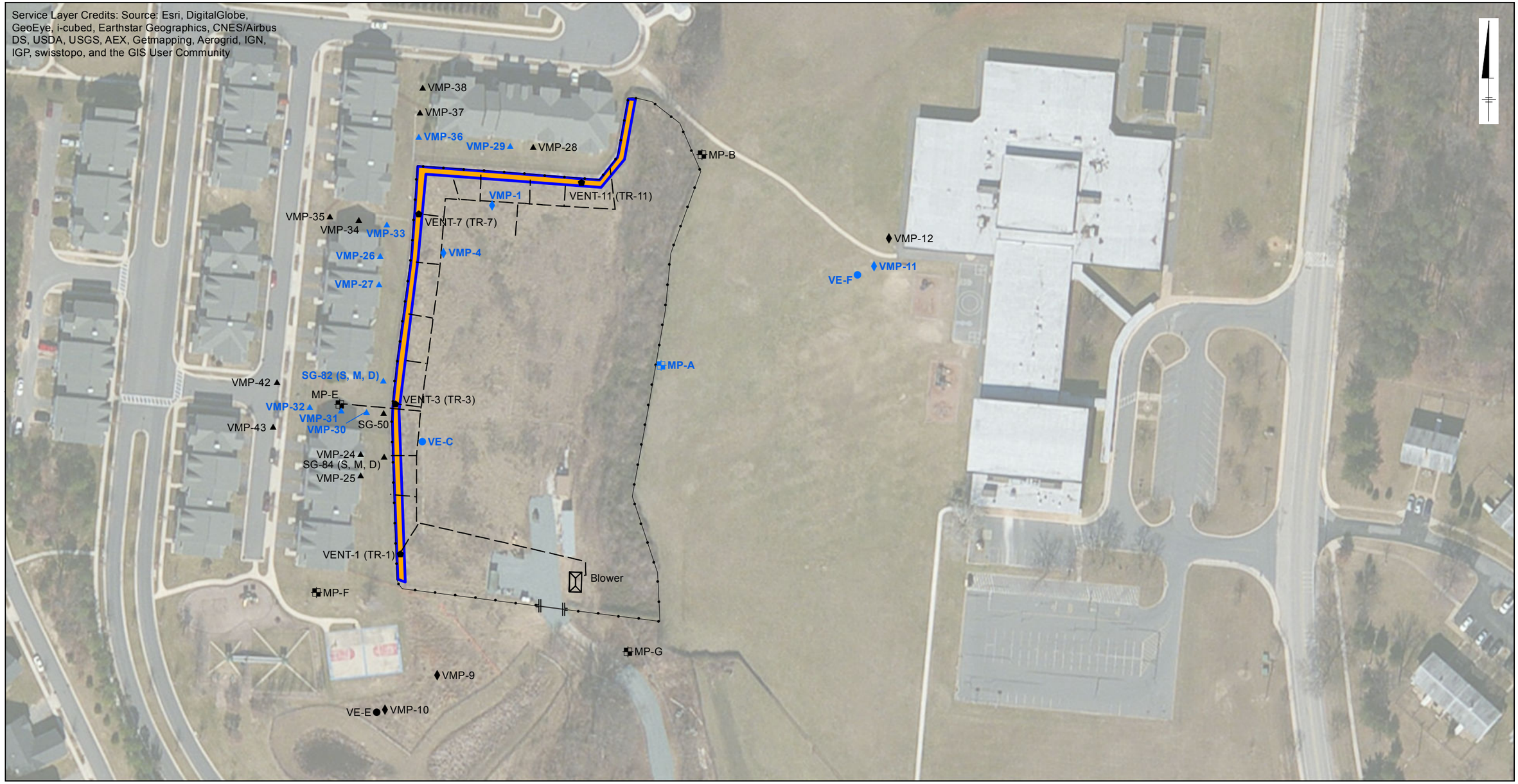
ORIGINAL SOIL GAS EXTRACTION SYSTEM (2006 - 2012)

ARCADIS

FIGURE 5

CITY: MPLS DIV/GROUP: IM DB: MG LD: HA
FORT MEADE
Path: Z:\GISPROJECTS_ENV\Fort_Meade\ArcMap\Manor_View\Remedial Design for FGGM 93\05_OriginalSoilGas_2014_1127.mxd

Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, i-cubed, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community



LEGEND:

- Monitoring Point
- Trench Well
- Deep Vapor Monitoring Point
- Shallow Vapor Monitoring Point
- Former Vapor Extraction Well
- Perimeter Fence
- Gate
- Subsurface Piping Network Associated with the Dormant Soil Vapor Extraction System (2012 - Present)
- Capped Passive Gas Collection Trench

0 100 200 Feet

GRAPHIC SCALE

Notes:
1. The soil vapor extraction system was shutdown on August 17, 2012. The system has remains off but in an operational status.
2. Monitoring locations included in the long-term monitoring program are displayed as a blue symbol with blue labels.
3. Vent-1, Vent-3, Vent-7, and Vent-11 (formerly trench recovery well [TR]-1, TR-3, TR-7, and TR-11) are extensions of the passive vents installed in July - August 2005 and in conjunction with the passive trench. Note, Vent-3 (TR-3) is connected to Former Passive Vent-4 and has been incorrectly labeled since monitoring began in 2006.

FORT GEORGE G. MEADE, MARYLAND
MANOR VIEW DUMP SITE

SOIL GAS MONITORING LOCATIONS

ARCADIS

FIGURE 6

CITY: MPLS DIV/GROUP: IM DB: MG LD: HA
FORT MEADE
Path: Z:\GISPROJECTS_ENV\Fort_Meade\ArcMap\Manor_View\Remedial Design for FGGM 93\06_SiteMap_SoilGas_2014_1126.mxd

VMP-36	
Date	Methane (%)
3/14/2014	0.4
8/8/2014	4.1

VMP-37	
Date	Methane (%)
3/14/2014	0
8/8/2014	NS

VMP-38	
Date	Methane (%)
3/14/2014	0
8/8/2014	NS

VMP-29	
Date	Methane (%)
3/14/2014	0.6
8/8/2014	0.7

VMP-28	
Date	Methane (%)
3/14/2014	0
8/8/2014	NS

Vent 11 (TR-11)	
Date	Methane (%)
3/14/2014	0
8/8/2014	NS

MP-B	
Date	Methane (%)
3/14/2014	0
8/8/2014	NS

VMP-34	
Date	Methane (%)
3/14/2014	0
8/8/2014	NS

VMP-33	
Date	Methane (%)
3/14/2014	1.2
8/8/2014	1.4

VMP-35	
Date	Methane (%)
3/14/2014	0
8/8/2014	NS

VMP-1	
Date	Methane (%)
3/14/2014	0
8/8/2014	0

VMP-12	
Date	Methane (%)
3/14/2014	0
8/8/2014	NS

VMP-26	
Date	Methane (%)
3/14/2014	1.2
8/8/2014	**9.1**

Vent 7 (TR-7)	
Date	Methane (%)
3/14/2014	0
8/8/2014	NS

VMP-11	
Date	Methane (%)
3/14/2014	0
8/8/2014	0.3

VMP-42	
Date	Methane (%)
3/14/2014	0
8/8/2014	NS

VMP-27	
Date	Methane (%)
3/14/2014	0
8/8/2014	3.9

VMP-4	
Date	Methane (%)
3/14/2014	0
8/8/2014	0

VE-F	
Date	Methane (%)
3/14/2014	0
8/8/2014	0.8

SG-82 (S, M, D)			
Date	Methane (%)		
	S	M	D
3/14/2014	0	0.2	0
8/8/2014	1.7	2.7	0.1

MP-E	
Date	Methane (%)
3/14/2014	0
8/8/2014	NS

MP-A	
Date	Methane (%)
3/14/2014	0.7
8/8/2014	0

VMP-32	
Date	Methane (%)
3/14/2014	0
8/8/2014	1.3

Vent 3 (TR-3)	
Date	Methane (%)
3/14/2014	0
8/8/2014	NS

VMP-43	
Date	Methane (%)
3/14/2014	0
8/8/2014	NS

SG-50	
Date	Methane (%)
3/14/2014	0
8/8/2014	NS

SG-84 (S,M,D)			
Date	Methane (%)		
	S	M	D
3/14/2014	0	0	0
8/8/2014	NS	NS	NS

VE-C	
Date	Methane (%)
3/14/2014	0
8/8/2014	0

VMP-31	
Date	Methane (%)
3/14/2014	0
8/8/2014	0

VMP-30	
Date	Methane (%)
3/14/2014	0
8/8/2014	0

VMP-24	
Date	Methane (%)
3/14/2014	0
8/8/2014	NS

VMP-25	
Date	Methane (%)
3/14/2014	0
8/8/2014	NS

Vent 1 (TR-1)	
Date	Methane (%)
3/14/2014	0
8/8/2014	NS

MP-F	
Date	Methane (%)
3/14/2014	0
8/8/2014	NS

VE-E	
Date	Methane (%)
3/14/2014	0
8/8/2014	NS

VMP-10	
Date	Methane (%)
3/14/2014	0
8/8/2014	NS

VMP-9	
Date	Methane (%)
3/14/2014	0
8/8/2014	NS

MP-G	
Date	Methane (%)
3/14/2014	0
8/8/2014	NS

VENT-11 (TR-11)
VENT-7 (TR-7)
VENT-3 (TR-3)
VENT-1 (TR-1)
Blower
SG-82(S,M,D)
SG-84(S,M,D)
VE-C
VE-F
MP-A
MP-B
MP-E
MP-F
MP-G
VMP-1
VMP-4
VMP-9
VMP-10
VMP-11
VMP-12
VMP-24
VMP-25
VMP-26
VMP-27
VMP-28
VMP-29
VMP-30
VMP-31
VMP-32
VMP-33
VMP-34
VMP-35
VMP-36
VMP-37
VMP-38
VMP-42
VMP-43
SG-50

Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, i-cubed, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

LEGEND:

- Monitoring Point
- Trench Well
- Deep Vapor Monitoring Point
- Shallow Vapor Monitoring Point
- Former Vapor Extraction Well
- Perimeter Fence
- Gate
- Subsurface Piping Network Associated with the Dormant Soil Vapor Extraction System (2012 - Present)
- Capped Passive Gas Collection Trench

0 100 200 Feet
GRAPHIC SCALE

Note:
1. Monitoring locations included in the long-term monitoring program are displayed in blue.
2. Results exceeding the lower explosive limit for methane (5%) are boldfaced and shaded.
3. The August 2014 sampling event was conducted in accordance with the long-term monitoring program presented in the remedial design; thus, a subset of the sample locations were monitored.
4. Vent-1, Vent-3, Vent-7, and Vent-11 (formerly trench recovery well [TR]-1, TR-3, TR-7, and TR-11) are extensions of the passive vents installed in July - August 2005 and in conjunction with the passive trench. Note, Vent-3 (TR-3) is connected to Former Passive Vent-4 and has been incorrectly labeled since monitoring began in 2006.
5. NS - Not Sampled
6. S - Shallow; M- Mid-depth; D - Deep

FORT GEORGE G. MEADE, MARYLAND
MANOR VIEW DUMP SITE

2014 SOIL GAS MONITORING RESULTS

ARCADIS

FIGURE 7

CITY: MPLS DIV/GROUP: IM DB: MG LD: HA
FORT MEADE
Path: Z:\GISPROJECTS_ENV\Fort_Meade\ArcMap\Manor_View\Remedial Design for FGGM 93\07_SoilGas_Databoxes_2014_1126.mxd

Appendix A

2014 Field Forms

Methane Monitoring Purge Summary

FGGM 93 - Manor View Dump Site

Fort George G. Meade, Maryland

Date: 3/14/14

	Start Time	Stop Time	Vacuum	Flow	Purge Duration (minutes)	Methane (%)	Carbon Dioxide (%)	Oxygen (%)	Total Purge Time (minutes)	Approximate Volume Purged (ft^3)
VMP-10										
INITIAL	1513	–	0	0.4	0.5	0	3.1	15.3		
FINAL	1514	1515	–	10	1	0	3.6	15.0		
VMP-4	WATER PULLED BY AIRCON									
INITIAL	1315	–	0	0.4	0.5	0	0.6	21.0		
FINAL	1316	1317	–	10	1	0	0.1	21.0		
VMP-9										
INITIAL	1508	–	0	0.4	0.5	0	2.4	17.3		
FINAL	1509	1510	–	10	1	0	2.4	17.3		
VMP-1										
INITIAL	1255	–	0	0.4	1	0	3.1	16.2		
FINAL	1257	1258	0	10	1	0	2.3	18.2		
VMP-11	NO BOLTS									
INITIAL	1102	–	0	0.4	0.3	0	1.4	19.0		
FINAL	1102	1103	–	10	1	0	0.4	20.6		
VMP-12	NO BOLTS									
INITIAL	1057	–	0	0.4	0.3	0	0.1	21.1		
FINAL	1058	1059	–	10	1	0	3.9	16.3		
VMP-30	NO CAP									
INITIAL	1203	–	0	0.4	0.5	0.3	10.4	0.5		
FINAL	1204	1205	–	10	1	0	0.4	19.4		
VMP-31	NO CAP									
INITIAL	1212	–	0	0.4	0.5	0	0.7	18.1		
FINAL	1213	1214	–	10	1	0	0.1	20.6		

Methane Monitoring Purge Summary

FGGM 93 - Manor View Dump Site

Fort George G. Meade, Maryland

Date: 3/14/14

	Start Time	Stop Time	Vacuum	Flow	Purge Duration (minutes)	Methane (%)	Carbon Dioxide (%)	Oxygen (%)	Total Purge Time (minutes)	Approximate Volume Purged (ft^3)
MP-A	VENTING SMALL 0.5" DIA HOLE / 1 BOLT									
INITIAL	1117	-	0	0.4	0.5	0	5.2	16.2		
FINAL	1118	1119	-	25	1.5	~~0~~ 0.7	13.6	3.0		
MP-B	NO LID									
INITIAL	1123	-	0	0.4	0.5	0	2.5	17.7		
FINAL	1123	1125	-	25	1.5	0	2.0	19.4		
MP-E	NO CAP									
INITIAL	1208	-	0	0.4	0.5	0	7.3	11.6		
FINAL	1209	1210	-	30	2.5	0	6.0	12.9		
MP-G										
INITIAL	1500	-		0.4	0.5	0	0.9	20.6		
FINAL	1501	1503		25	1.5	0	6.0	12.7		
MP-F										
INITIAL	1436	-	0	0.4	0.3	0	1.0	19.7		
FINAL	1437	1438	-	25	1.5	0	0.8	20.7		
VE-C	VENTING									
INITIAL	1332	-	0	0.4	0.5	0	0.1	20.8		
FINAL	1332	1336	-	25	4	0	1.8	19.7		
VE-E	CAPPED / 1 BOLT									
INITIAL	1007	-	0	0.4	0.5	0	0.9	20.4		
FINAL	1007	1112	-	25	5	0	2.3	17.9		
VE-F										
INITIAL	1518	-	0	0.4	0.5	0	0.1	20.6		
FINAL	1519	1520	-	25	6	0	2.1	19.2		

VMP	TIME	VAC	CH_4	CO_2	O_2	
VMP-28	1033	-0.5	0	0	20.6	(FLOW ERROR)
MP-29	1138	+0.2	0.6	0.2	20.2	(H_2O)
MP-38	1146	0	0	13.4	2.5	
MP-37	1251	1.7	0	1.1	19.1	
MP-36	1248	0	0.4	17.7	0	
MP-35	1154	0.2	0	13.1	6.1	
MP-34	1159	0.1	0	5.2	12.3	
MP-33	1244	0.2	1.2	12.6	4.3	
MP-32	1432	-0.9	0	1.1	20.6	
MP-42	1430	2.8	0	0.3	20.5	
MP-43	1435	1.6	0	9.1	6.8	
MP-25	1440	0	0	0.0	19.5	
MP-24	1453	0	0	0.5	19.9	
VMP-26	1238	0.4	1.2	5.1	13.3	
VMP-27	1234	0	0	11.0	4.7	
Blower	1355	—	0	0	21.9	

Average 27.27

Methane Monitoring Purge Summary

FGGM 93 - Manor View Dump Site

Fort George G. Meade, Maryland

Date: 3/14/14

CONFIRM

N OF 31/30

S. OF 31/30

	Start Time	Stop Time	Vacuum	Flow	Purge Duration (minutes)	Methane (%)	Carbon Dioxide (%)	Oxygen (%)	Total Purge Time (minutes)	Approximate Volume Purged (ft^3)
SG-50										
INITIAL	1218	–	0	0.4	0.5	0	10.6	0.1		
FINAL	1219	1220	–	10	1	0	12.4	4.0		
SG-82S										
INITIAL	1125	–	0	0.4	0.3	2.3	13.7	1.0		
FINAL	1127	1127	–	10	0.5	0	0.8	20.0		
SG-82M										
INITIAL	1125	–	0	0.4	0.3	0.3	15.8	0		
FINAL	1128	1129	–	10	0.5	0.2	15.2	3.9		
SG-82D										
INITIAL	1126	–	0	0.4	0.3	0	11.8	3.4		
FINAL	1126	1127	–	10	0.5	0	12.4	3.7		
SG-84S										
INITIAL	1446	–	0	0.4	0.3	0	5.5	5.6		
FINAL	1448	1449	–	10	0.5	0	5.0	8.1		
SG-84M										
INITIAL	1446	–	0	0.4	0.3	0	8.2	8.5		
FINAL	1449	1449	–	10	0.5	0	8.7	8.6		
SG-84D										
INITIAL	1447	–	0	0.4	0.3	0	8.7	7.3		
FINAL	1449	1450	–	10	0.5	0	10.1	6.0		

Methane Monitoring Purge Summary

FGGM 93 - Manor View Dump Site

Fort George G. Meade, Maryland

Date: 13/14/14

	Start Time	Stop Time	Vacuum	Flow	Purge Duration (minutes)	Methane (%)	Carbon Dioxide (%)	Oxygen (%)	Total Purge Time (minutes)	Approximate Volume Purged (ft^3)
VENT 1										
INITIAL	1340	-	0	0.4	0.5	0	0	21.0		
FINAL	1341	1351	-	25	10	0	1.4	19.7		
VENT 3										
INITIAL	1320	-	0	0.4	0.5	0	0	21.0		
FINAL	1320	1330	-	25	10	0	1.0	20.1		
VENT 7										
INITIAL	1402	-	0	0.4	0.5	0	0	21.1		
FINAL	1402	1412	-	25	10	0	0.9	20.4		
VENT 11										
INITIAL	1301	-	0	0.4	0.5	0	0	21.0		
FINAL	1302	1312	-	~~30~~ 25	10	0	0.7	20.6		

Methane Monitoring Purge Summary

FGGM 93 - Manor View Dump Site

Fort George G. Meade, Maryland

Date: 8/8/14 (H. DUGGINS) Weather: 77°F/SUN

	Start Time	Stop Time	Vacuum	Flow	Purge Duration (minutes)	Methane (%)	Carbon Dioxide (%)	Oxygen (%)	Total Purge Time (minutes)	Approximate Volume Purged (ft^3)
VMP-11										
INITIAL	0928	–	0	0.4	0.5	0	4.3	16.7		
FINAL	0929	0930	–	10	1	0.3	3.0	17.9		
VE-F										
INITIAL	0932	–	0	0.4	0.5	0	0.4	20.4		
FINAL	0933	0937	–	30	4	0.8	5.6	15.0		
MP-A										
INITIAL	0945	–	0	0.4	0.5	0	0.7	20.0		
FINAL	0946	0947	–	30	1	0	0	20.6		
VMP-30										
INITIAL	1027	–	0	0.4	0.5	0	7.2	15.3		
FINAL	1028	1029	–	30	1	0	0.2	20.0		
VMP-31										
INITIAL	1030	–	0	0.4	0.5	0	15.0	7.6		
FINAL	1031	1032	–	30	1	0	0.3	20.0		
SG-82S										
INITIAL	1019	–	0	0.4	0.5	6.8	25.4	0.1		
FINAL	1021	1022	–	10	0.5	1.7	20.1	0.1		
SG-82M										
INITIAL	1019	1020	0	0.4	0.5	2.6	19.6	0		
FINAL	1022	–	–	10	0.5	2.7	20.4	0.1		
SG-82D										
INITIAL	1020		0	0.4	0.5	3.7	21.3	0		
FINAL	1023	–	–	10	0.5	0.1	14.5	1.0		

Methane Monitoring Purge Summary

FGGM 93 - Manor View Dump Site

Fort George G. Meade, Maryland

Date: 8/6/14 (A. DUGGINS) Weather: 77°F/SUN

	Start Time	Stop Time	Vacuum	Flow	Purge Duration (minutes)	Methane (%)	Carbon Dioxide (%)	Oxygen (%)	Total Purge Time (minutes)	Approximate Volume Purged (ft^3)
VMP-1										
INITIAL	1042	-	0	0.4	0.5	0	0.6	19.3		
FINAL	1043	1044	-	~~0.30~~	2	0	2.3	19.1		
VMP-4										
INITIAL	1046	-	0	0.4	0.5	0.1	3.4	17.9		
FINAL	1047	1048	-	30	1	0	3.0	17.8		
VE-C (VENTING)										
INITIAL	1052	-	0	0.4	0.5	0	1.8	18.9		
FINAL	1053	1057	-	30	4	0	2.0	18.2		
INITIAL										
FINAL										
INITIAL										
FINAL										
INITIAL										
FINAL										
INITIAL										
FINAL										
INITIAL										
FINAL										

Vapor Point Monitoring
FGGM 93 - Manor View Dump Site
Fort George G. Meade, Maryland

Date: 8/8/14
Name: A. DUGGINS

VMP	Time	Vacuum (inches of water)	Methane (%)	Methane (ppm)	CO_2 (%)	O_2	Notes
VMP29	0959	0.4	0.7	7,000	0.2	19.9	
36	1002	0.2	4.1	41,000	28	0	
33	1005	0	1.4	14,000	20.7	0.3	
26	1009	0	9.1	91,000	21.9	0.2	PURGED W/ AIRCON STRONG ODOR
27	1014	1.7	3.9	39,000	25.8	0	
32	1037	0	1.3	13,000	19.6	0.3	

Was blower running when you arrived on site to collect data? NO yes or no?
How long was the blower running before you started collecting data? NO >24 yes?
Was blower running when you departed the site? NO yes or no?
WEATHER: 77°F/SUN Is it raining? NO

} OF SINCE 2012

Appendix B

B1 – Historical In-Situ Soil Gas Monitoring Data

B2 – Historical In-Situ Soil Gas Monitoring Data Detection Summary (August 2012 – 2014)

Appendix B1
Historical In-Situ Soil Gas Monitoring Data (2006 - 2014)
FGGM 93 Manor View Dump Site
Fort George G. Meade, Maryland

Date:	1/25/2006	2/17/2006	3/10/2006	3/23/2006	3/29/2006	4/12/2006	4/14/2006	4/17/2006	4/25/2006	4/26/2006	4/27/2006	4/28/2006	4/29/2006	4/30/2006	5/1/2006	5/2/2006	5/3/2006	5/4/2006
Rainfall:	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Barometric Pressure (inches):	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vapor Monitoring Points																		
VMP-1	0	0	---	0	0	0	---	---	0	---	---	---	---	---	---	---	---	---
VMP-2	0	0	---	0	0	0	---	---	1,000	---	---	---	---	---	---	---	---	---
VMP-3	0	0	---	0	0	**291,000**	---	---	**560,000**	---	---	---	---	---	---	---	---	---
VMP-4	0	0	---	0	4,000	0	---	---	4,000	---	---	---	---	---	---	---	---	---
VMP-5	0	0	---	0	0	0	---	---	**255,000**	---	---	---	---	---	---	---	---	---
VMP-6	0	0	---	1,000	0	0	---	---	**455,000**	---	---	---	---	---	---	---	---	---
VMP-7	0	0	---	0	0	0	---	---	**221,000**	---	---	---	---	---	---	---	---	---
VMP-8	**614,000**	**614,000**	---	**261,000**	35,000	26,000	---	---	11,000	---	---	---	---	---	---	---	---	---
VMP-9	---	---	---	0	0	0	---	---	2,000	---	---	---	---	---	---	---	---	---
VMP-10	---	---	---	0	0	0	---	---	0	---	---	---	---	---	---	---	---	---
VMP-11	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VMP-12	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VMP-21	**670,000**	**494,000**	**173,000**	**58,000**	**311,000**	**464,000**	---	---	**515,000**	---	---	---	---	---	---	---	---	---
VMP-22	**665,000**	**465,000**	**566,000**	**333,000**	**561,000**	**563,000**	---	---	**261,000**	---	---	---	---	---	---	---	---	---
VMP-23	**680,000**	**536,000**	**621,000**	**363,000**	**569,000**	**601,000**	---	---	**497,000**	---	---	---	---	---	---	---	---	---
VMP-24	5,000	1,000	1,000	0	0	0	---	---	0	---	---	---	---	---	---	---	---	---
VMP-25	0	1,000	1,000	0	1,000	0	---	---	0	---	---	---	---	---	---	---	---	---
VMP-26	0	0	2,000	0	0	0	---	---	0	---	---	---	---	---	---	---	---	---
VMP-27	0	0	1,000	0	1,000	0	---	---	0	---	---	---	---	---	---	---	---	---
VMP-28	0	0	0	0	1,000	0	---	---	0	---	---	---	---	---	---	---	---	---
VMP-29	0	---	0	0	0	0	---	---	3,000	---	---	---	---	---	---	---	---	---
VMP-30	---	---	---	---	**367,000**	0	---	---	0	---	---	---	---	---	---	---	---	---
VMP-31	---	---	---	---	**461,000**	**472,000**	---	---	27,000	8,000	**83,000**	42,000	34,000	**96,000**	**91,000**	**105,000**	13,200	16,300
VMP-32	---	---	---	---	**74,000**	**67,000**	---	---	2,000	0	21,000	2,000	8,000	10,000	8,000	9,000	9,000	11,000
VMP-33	---	---	---	---	10,000	5,000	---	---	10,000	---	---	---	---	---	---	---	---	---
VMP-34	---	---	---	---	1,000	1,000	---	---	0	---	---	---	---	---	---	---	---	---
VMP-35	---	---	---	---	1,000	1,000	---	---	0	---	---	---	---	---	---	---	---	---
VMP-36	---	---	---	---	8,000	1,000	---	---	18,000	---	---	---	---	---	---	---	---	---
VMP-37	---	---	---	---	1,000	1,000	---	---	3,000	---	---	---	---	---	---	---	---	---
VMP-38	---	---	---	---	4,000	1,000	---	---	4,000	---	---	---	---	---	---	---	---	---
VMP-39	---	---	---	---	13,000	1,000	---	---	---	---	---	---	---	---	---	---	---	---
VMP-40	---	---	---	---	**689,000**	---	---	---	---	---	---	---	---	---	---	---	---	---
VMP-41	---	---	---	---	3,000	1,000	---	---	---	---	---	---	---	---	---	---	---	---
VMP-42	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VMP-43	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Monitoring Points																		
MP-A	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MP-B	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MP-C	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MP-D	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MP-E	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MP-F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MP-G	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Appendix B1
Historical In-Situ Soil Gas Monitoring Data (2006 - 2014)
FGGM 93 Manor View Dump Site
Fort George G. Meade, Maryland

Date:	1/25/2006	2/17/2006	3/10/2006	3/23/2006	3/29/2006	4/12/2006	4/14/2006	4/17/2006	4/25/2006	4/26/2006	4/27/2006	4/28/2006	4/29/2006	4/30/2006	5/1/2006	5/2/2006	5/3/2006	5/4/2006
Rainfall:	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Barometric Pressure (inches):	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent Points																		
Vent-1 (TR-1)	36,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-2	**61,000**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-3	**56,000**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-4 (TR-3)	**68,000**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-5	49,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-6	35,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-7 (TR-7)	3,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-8	45,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-9	19,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-10	12,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-11 (TR-11)	3,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-12	8,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-13	**73,000**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vapor Extraction Points																		
VE-A	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VE-B	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VE-C	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VE-D	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VE-E	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VE-F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Monitoring Wells																		
MW-1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-11	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
RI Soil Gas Points																		
SG-50	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-82S	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-82M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-82D	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-84S	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-84M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-84D	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Miscellaneous																		
Blower	---	---	---	---	---	---	---	---	---	0	0	7,000	3,000	0	---	---	---	---

Appendix B1
Historical In-Situ Soil Gas Monitoring Data (2006 - 2014)
FGGM 93 Manor View Dump Site
Fort George G. Meade, Maryland

Date:	5/5/2006	5/6/2006	5/7/2006	5/8/2006	5/9/2006	5/10/2006	5/11/2006	5/12/2006	5/17/2006	5/25/2006	6/2/2006	6/9/2006	6/29/2006	7/7/2006	7/13/2006	7/20/2006	7/27/2006	8/3/2006
Rainfall:	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Barometric Pressure (inches):	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vapor Monitoring Points																		
VMP-1	0	---	---	---	---	---	---	**243,000**	33,000	**202,000**	**187,000**	0	2,000	**253,000**	**98,000**	**136,000**	**119,000**	**215,000**
VMP-2	1,000	---	---	---	---	---	---	**293,000**	**114,000**	**390,000**	**212,000**	0	2,000	**69,000**	38,000	**155,000**	**163,000**	**288,000**
VMP-3	**571,000**	---	---	---	---	---	---	**588,000**	**538,000**	**528,000**	**494,000**	**475,000**	**443,000**	**426,000**	**421,000**	**426,000**	**415,000**	**426,000**
VMP-4	4,000	---	---	---	---	---	---	0	2,000	**54,000**	**159,000**	**103,000**	21,000	**370,000**	14,000	16,000	**206,000**	38,000
VMP-5	0	---	---	---	---	---	---	0	3,000	**284,000**	**261,000**	1,000	2,000	0	0	2,000	0	**82,000**
VMP-6	0	---	---	---	---	---	---	**84,000**	**66,000**	**245,000**	**235,000**	0	2,000	0	0	1,000	2,000	2,000
VMP-7	1,000	---	---	---	---	---	---	**272,000**	15,000	**491,000**	**492,000**	1,000	**271,000**	0	**138,000**	**159,000**	**89,000**	**301,000**
VMP-8	10,000	---	---	---	---	---	---	**65,000**	**470,000**	**371,000**	**430,000**	**420,000**	**441,000**	**360,000**	44,000	13,000	21,000	40,000
VMP-9	0	---	---	---	---	---	---	1,000	0	0	0	0	2,000	0	0	0	0	0
VMP-10	0	---	---	---	---	---	---	0	0	0	0	0	1,000	0	0	0	0	0
VMP-11	---	---	---	---	---	---	---	---	---	0	---	0	5,000	0	3,000	9,000	14,000	1,000
VMP-12	---	---	---	---	---	---	---	---	---	0	---	0	0	0	0	1,000	1,000	1,000
VMP-21	**95,000**	---	---	---	---	---	---	---	---	**504,000**	1,000	**449,000**	**447,000**	**439,000**	**441,000**	**159,000**	**143,000**	**177,000**
VMP-22	**340,000**	---	---	---	---	---	---	**174,000**	**405,000**	**381,000**	**168,000**	**189,000**	**104,000**	**288,000**	**275,000**	**331,000**	**358,000**	**342,000**
VMP-23	**443,000**	---	---	---	---	---	---	**442,000**	**389,000**	**471,000**	**346,000**	**300,000**	**225,000**	**354,000**	**388,000**	**364,000**	**328,000**	**419,000**
VMP-24	1,000	---	---	---	---	---	---	0	0	0	0	0	1,000	0	0	0	0	0
VMP-25	1,000	---	---	---	---	---	---	0	1,000	1,000	0	0	0	0	0	0	0	0
VMP-26	0	---	---	---	---	---	---	0	0	1,000	0	0	31,000	**176,000**	0	0	0	1,000
VMP-27	1,000	---	---	---	---	---	---	5,000	1,000	1,000	0	30,000	**62,000**	**59,000**	0	49,000	0	1,000
VMP-28	0	---	---	---	---	---	---	0	1,000	0	0	0	1,000	0	0	0	0	0
VMP-29	0	---	---	---	---	---	---	0	1,000	0	0	0	1,000	---	---	---	---	---
VMP-30	---	---	---	---	---	---	---	7,000	**211,000**	**501,000**	**68,000**	---	---	---	---	**115,000**	**89,000**	**80,000**
VMP-31	**230,000**	**223,000**	**224,000**	**149,000**	**74,000**	**93,000**	46,000	**184,000**	4,000	19,000	37,000	**260,000**	24,000	0	---	**75,000**	**77,000**	10,000
VMP-32	47,000	27,000	28,000	19,000	2,000	7,000	3,000	4,000	1,000	2,000	2,000	45,000	---	0	0	0	0	0
VMP-33	3,000	---	---	---	---	---	---	9,000	1,000	0	8,000	4,000	14,000	4,000	0	2,000	1,000	0
VMP-34	1,000	---	---	---	---	---	---	0	1,000	0	0	0	1,000	0	0	0	0	0
VMP-35	0	---	---	---	---	---	---	0	0	0	0	0	1,000	0	0	0	0	0
VMP-36	0	---	---	---	---	---	---	15,000	22,000	1,000	4,000	1,000	**53,000**	**68,000**	0	0	0	0
VMP-37	0	---	---	---	---	---	---	0	1,000	0	0	0	---	---	1,000	0	0	0
VMP-38	---	---	---	---	---	---	---	---	---	0	---	0	---	---	---	---	---	0
VMP-39	4,000	---	---	---	---	---	---	0	1,000	13,000	6,000	0	---	13,000	15,000	4,000	0	1,000
VMP-40	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VMP-41	---	---	---	---	---	---	---	0	1,000	0	12,000	0	2,000	0	0	1,000	0	0
VMP-42	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VMP-43	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Monitoring Points																		
MP-A	---	---	---	---	---	---	---	2,000	46,000	**54,000**	14,000	0	0	0	0	1,000	1,000	1,000
MP-B	---	---	---	---	---	---	---	0	0	1,000	0	0	0	0	0	4,000	1,000	1,000
MP-C	---	---	---	---	---	---	---	1,000	---	---	---	---	---	---	---	2,000	0	23,000
MP-D	---	---	---	---	---	---	---	0	---	---	---	---	---	---	---	2,000	1,000	1,000
MP-E	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1,000	1,000	1,000
MP-F	---	---	---	---	---	---	---	1,000	0	0	0	0	1,000	0	0	1,000	0	0
MP-G	---	---	---	---	---	---	---	1,000	0	0	1,000	0	1,000	0	0	0	0	0

Appendix B1
Historical In-Situ Soil Gas Monitoring Data (2006 - 2014)
FGGM 93 Manor View Dump Site
Fort George G. Meade, Maryland

Date:	5/5/2006	5/6/2006	5/7/2006	5/8/2006	5/9/2006	5/10/2006	5/11/2006	5/12/2006	5/17/2006	5/25/2006	6/2/2006	6/9/2006	6/29/2006	7/7/2006	7/13/2006	7/20/2006	7/27/2006	8/3/2006
Rainfall:	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Barometric Pressure (inches):	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent Points																		
Vent-1 (TR-1)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1,000	0	1,000
Vent-2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-4 (TR-3)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0	0	0
Vent-5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-7 (TR-7)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1,000	0	1,000
Vent-8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-11 (TR-11)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1,000	0	2,000
Vent-12	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-13	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vapor Extraction Points																		
VE-A	---	---	---	---	---	---	---	---	---	---	**167,000**	9,000	2,000	---	18,000	31,000	**51,000**	**283,000**
VE-B	---	---	---	---	---	---	---	---	---	---	**404,000**	**57,000**	3,000	---	11,000	7,000	18,000	**53,000**
VE-C	---	---	---	---	---	---	---	---	---	---	**136,000**	3,000	0	---	0	0	0	**230,000**
VE-D	---	---	---	---	---	---	---	---	---	---	**115,000**	6,000	0	---	1,000	2,000	0	3,000
VE-E	---	---	---	---	---	---	---	---	---	---	0	0	1,000	---	0	0	0	0
VE-F	---	---	---	---	---	---	---	---	---	---	---	0	1,000	---	0	27,000	0	0
Monitoring Wells																		
MW-1	---	---	---	---	---	---	---	---	---	---	8,000	0	0	---	---	---	---	---
MW-2	---	---	---	---	---	---	---	---	---	---	0	0	1,000	---	---	---	---	---
MW-3	---	---	---	---	---	---	---	---	---	---	0	0	0	---	---	---	---	---
MW-4	---	---	---	---	---	---	---	---	---	---	0	0	0	---	---	---	---	---
MW-5	---	---	---	---	---	---	---	---	---	---	0	0	0	---	---	---	---	---
MW-6	---	---	---	---	---	---	---	---	---	---	0	0	0	---	---	---	---	---
MW-7	---	---	---	---	---	---	---	---	---	---	**51,000**	**51,000**	2,000	---	---	---	---	---
MW-8	---	---	---	---	---	---	---	---	---	---	1,000	4,000	2,000	---	---	---	---	---
MW-9	---	---	---	---	---	---	---	---	---	---	**196,000**	**77,000**	**52,000**	---	---	---	---	---
MW-10	---	---	---	---	---	---	---	---	---	---	0	0	0	---	---	---	---	---
MW-11	---	---	---	---	---	---	---	---	---	---	0	0	0	---	---	---	---	---
RI Soil Gas Points																		
SG-50	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-82S	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-82M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-82D	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-84S	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-84M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-84D	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Miscellaneous																		
Blower	---	---	---	---	---	---	---	---	3,000	1,000	---	21,000	18,000	0	4,000	---	---	10,000

Appendix B1
Historical In-Situ Soil Gas Monitoring Data (2006 - 2014)
FGGM 93 Manor View Dump Site
Fort George G. Meade, Maryland

Date:	8/10/2006	8/18/2006	8/24/2006	9/7/2006	9/14/2006	9/21/2006	10/5/2006	10/12/2006	10/17/2006	10/20/2006	10/23/2006	10/30/2006	11/6/2006	11/15/2006	11/20/2006	11/27/2006
Rainfall:	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Barometric Pressure (inches):	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vapor Monitoring Points																
VMP-1	**383,000**	**119,000**	**127,000**	**463,000**	0	---	**398,000**	1,000	**508,000**	1,000	**386,000**	**292,000**	**278,000**	**364,000**	**223,000**	**117,000**
VMP-2	**362,000**	**207,000**	**245,000**	**505,000**	**547,000**	**488,000**	8,000	1,000	**262,000**	**498,000**	**127,000**	0	0	1,000	1,000	1,000
VMP-3	**428,000**	**443,000**	**439,000**	**479,000**	**509,000**	**432,000**	**340,000**	**189,000**	**508,000**	**554,000**	**280,000**	0	0	1,000	0	1,000
VMP-4	30,000	11,000	14,000	20,000	14,000	33,000	**87,000**	**398,000**	**354,000**	**642,000**	31,000	0	2,000	**448,000**	**88,000**	**84,000**
VMP-5	**97,000**	1,000	20,000	0	0	0	2,000	1,000	**75,000**	**109,000**	1,000	0	0	2,000	1,000	0
VMP-6	**106,000**	5,000	6,000	0	0	0	1,000	1,000	**67,000**	**282,000**	0	0	0	1,000	1,000	1,000
VMP-7	**424,000**	19,000	**76,000**	**361,000**	**540,000**	0	**285,000**	1,000	**178,000**	**421,000**	**307,000**	**76,000**	**237,000**	**629,000**	**109,000**	**211,000**
VMP-8	50,000	**74,000**	**104,000**	**516,000**	**630,000**	**362,000**	32,000	**405,000**	**503,000**	**662,000**	7,000	16,000	30,000	**174,000**	**89,000**	**252,000**
VMP-9	2,000	0	0	0	0	0	0	1,000	0	1,000	0	0	0	0	0	1,000
VMP-10	0	0	0	0	1,000	0	0	1,000	0	2,000	0	0	0	0	0	1,000
VMP-11	0	0	0	24,000	14,000	13,000	6,000	1,000	0	1,000	1,000	11,000	0	2,000	6,000	**59,000**
VMP-12	0	0	0	0	0	0	0	1,000	0	1,000	0	1,000	0	0	0	1,000
VMP-21	**176,000**	**158,000**	**160,000**	**514,000**	**536,000**	**526,000**	**582,000**	**587,000**	**586,000**	**558,000**	**534,000**	6,000	**496,000**	**656,000**	6,000	**WATER**[1]
VMP-22	**366,000**	**265,000**	**220,000**	---	49,000	**267,000**	**350,000**	**116,000**	**363,000**	0	0	**197,000**	**385,000**	**564,000**	**230,000**	**367,000**
VMP-23	**181,000**	**372,000**	**406,000**	**426,000**	**441,000**	**396,000**	**348,000**	**340,000**	**379,000**	**381,000**	**433,000**	29,000	**183,000**	**472,000**	41,000	**335,000**
VMP-24	0	1,000	1,000	0	1,000	0	1,000	1,000	1,000	2,000	0	0	0	0	0	0
VMP-25	0	1,000	1,000	0	1,000	0	0	1,000	1,000	2,000	0	0	0	0	0	0
VMP-26	9,000	1,000	0	8,000	0	0	1,000	0	6,000	2,000	0	0	0	0	0	0
VMP-27	33,000	1,000	3,000	2,000	0	0	1,000	29,000	1,000	13,000	15,000	0	0	0	0	1,000
VMP-28	0	0	0	0	---	0	1,000	1,000	0	1,000	0	0	0	0	0	1,000
VMP-29	0	0	---	---	---	0	0	0	0	1,000	0	0	0	---	0	0
VMP-30	**79,000**	**82,000**	**91,000**	---	1,000	**385,000**	**81,000**	**110,000**	**278,000**	4,000	1,000	1,000	1,000	---	**WATER**[1]	1,000
VMP-31	40,000	6,000	8,000	---	0	**416,000**	---	---	---	---	**OVER RANGE**[2]	**OVER RANGE**[2]	**OVER RANGE**[2]	**OVER RANGE**[2]	**315,000**	**378,000**
VMP-32	35,000	2,000	2,000	---	**113,000**	2,000	30,000	---	2,000	2,000	0	1,000	2,000	3,000	0	11,000
VMP-33	10,000	1,000	0	0	1,000	0	2,000	1,000	2,000	2,000	0	0	1,000	0	1,000	2,000
VMP-34	0	0	0	0	0	0	1,000	0	1,000	2,000	0	0	0	---	0	0
VMP-35	0	0	0	0	1,000	0	1,000	0	0	1,000	0	0	0	0	0	0
VMP-36	30,000	0	16,000	7,000	---	0	0	1,000	1,000	2,000	0	1,000	1,000	0	0	0
VMP-37	0	0	0	0	---	0	0	0	6,000	1,000	0	---	0	0	0	**WATER**[1]
VMP-38	0	0	0	---	---	0	---	---	---	1,000	0	---	---	---	0	**WATER**[1]
VMP-39	13,000	0	0	---	7,000	3,000	1,000	22,000	24,000	0	20,000	---	13,000	0	32,000	25,000
VMP-40	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VMP-41	10,000	0	0	0	1,000	0	0	1,000	1,000	3,000	0	0	0	0	0	0
VMP-42	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VMP-43	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Monitoring Points																
MP-A	3,000	0	0	9,000	0	0	11,000	9,000	38,000	**69,000**	33,000	21,000	3,000	0	45,000	15,000
MP-B	0	0	0	0	0	0	0	1,000	1,000	1,000	0	1,000	0	0	0	1,000
MP-C	11,000	1,000	1,000	0	4,000	0	1,000	1,000	**108,000**	0	0	0	0	1,000	0	0
MP-D	1,000	1,000	1,000	1,000	1,000	0	1,000	1,000	**113,000**	0	0	1,000	0	0	1,000	1,000
MP-E	7,000	1,000	1,000	0	2,000	0	1,000	18,000	---	---	0	**378,000**	0	0	0	0
MP-F	0	0	1,000	0	0	0	1,000	1,000	0	1,000	0	0	0	0	0	0
MP-G	0	0	0	0	1,000	0	0	1,000	0	2,000	0	0	0	0	0	1,000

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FGGM 93 Manor View Dump Site
Fort George G. Meade, Maryland

Date:	8/10/2006	8/18/2006	8/24/2006	9/7/2006	9/14/2006	9/21/2006	10/5/2006	10/12/2006	10/17/2006	10/20/2006	10/23/2006	10/30/2006	11/6/2006	11/15/2006	11/20/2006	11/27/2006
Rainfall:	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Barometric Pressure (inches):	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent Points																
Vent-1 (TR-1)	4,000	1,000	0	0	2,000	1,000	1,000	2,000	1,000	6,000	0	0	0	0	1,000	0
Vent-2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-4 (TR-3)	18,000	1,000	0	0	1,000	0	1,000	1,000	1,000	2,000	0	0	0	0	0	0
Vent-5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-7 (TR-7)	0	1,000	1,000	0	4,000	1,000	1,000	1,000	2,000	1,000	0	0	0	10,000	1,000	0
Vent-8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-11 (TR-11)	1,000	0	0	0	2,000	1,000	1,000	3,000	1,000	6,000	4,000	0	0	0	0	0
Vent-12	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-13	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vapor Extraction Points																
VE-A	**277,000**	3,000	4,000	**189,000**	**252,000**	**69,000**	1,000	1,000	**261,000**	**568,000**	**58,000**	39,000	0	0	0	0
VE-B	**88,000**	38,000	34,000	**60,000**	**69,000**	0	1,000	1,000	44,000	**209,000**	**438,000**	47,000	0	24,000	11,000	7,000
VE-C	**243,000**	**184,000**	**169,000**	12,000	1,000	9,000	**157,000**	3,000	1,000	0	1,000	0	1,000	1,000	1,000	1,000
VE-D	19,000	1,000	1,000	0	4,000	0	1,000	1,000	4,000	2,000	1,000	2,000	0	1,000	1,000	1,000
VE-E	0	0	0	0	0	0	0	1,000	1,000	1,000	0	0	0	0	0	0
VE-F	0	0	0	0	0	0	0	1,000	0	2,000	2,000	1,000	3,000	0	2,000	24,000
Monitoring Wells																
MW-1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-11	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
RI Soil Gas Points																
SG-50	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-82S	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-82M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-82D	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-84S	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-84M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-84D	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Miscellaneous																
Blower	---	4,000	3,000	3,000	3,000	0	49,000	26,000	0	30,000	20,000	25,000	22,000	25,000	22,000	22,000

Appendix B1
Historical In-Situ Soil Gas Monitoring Data (2006 - 2014)
FGGM 93 Manor View Dump Site
Fort George G. Meade, Maryland

Date:	12/4/2006	12/11/2006	12/18/2006	12/27/2006	1/2/2007	1/9/2007	1/15/2007	1/21/2007	1/29/2007	2/5/2007	2/12/2007	2/20/2007	2/27/2007	3/8/2007	3/13/2007	3/19/2007	3/26/2007
Rainfall:	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Barometric Pressure (inches):	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vapor Monitoring Points																	
VMP-1	1,000	4,000	17,000	**132,000**	**106,000**	**107,000**	31,000	0	1,000	6,000	47,000	7,000	**146,000**	0	9,000	47,000	20,000
VMP-2	0	0	0	0	0	0	0	0	0	0	0	18,000	0	0	0	0	0
VMP-3	0	0	0	0	0	0	**72,000**	0	0	0	0	5,000	0	0	0	0	15,000
VMP-4	0	0	1,000	0	0	0	**216,000**	0	0	0	0	7,000	4,000	0	16,000	0	**56,000**
VMP-5	0	0	0	**180,000**	0	0	0	0	0	0	0	0	0	0	0	34,000	1,000
VMP-6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-7	0	0	**294,000**	0	0	17,000	**548,000**	0	0	0	0	**238,000**	0	0	**218,000**	**151,000**	**282,000**
VMP-8	23,000	33,000	**196,000**	10,000	**132,000**	**278,000**	**517,000**	14,000	0	0	0	50,000	**558,000**	3,000	0	1,000	3,000
VMP-9	0	0	0	0	0	0	1,000	0	0	0	0	0	0	0	0	0	0
VMP-10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-11	24,000	1,000	6,000	0	0	0	0	0	1,000	1,000	200	0	0	0	0	0	0
VMP-12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-21	8,000	34,000	**162,000**	0	0	4,000	**354,000**	12,000	0	0	13,000	2,000	6,000	0	**174,000**	0	**201,000**
VMP-22	**100,000**	**134,000**	**197,000**	**55,000**	0	---	**424,000**	26,000	7,000	0	38,000	**85,000**	**183,000**	0	**245,000**	1,000	**346,000**
VMP-23	36,000	**73,000**	**199,000**	0	0	1,000	**314,000**	1,000	0	0	36,000	10,000	**222,000**	0	**177,000**	0	**304,000**
VMP-24	0	0	0	0	0	0	0	0	0	0	0	2,000	18,000	0	0	0	0
VMP-25	0	0	0	0	0	0	0	0	0	0	0	3,000	0	0	0	0	0
VMP-26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,000	**134,000**
VMP-27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,000	2,000
VMP-28	0	0	0	0	---	0	0	0	0	0	0	0	0	0	0	1,000	1,000
VMP-29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,000	0
VMP-30	**208,000**	1,000	1,000	---	---	---	---	0	0	0	16,000	3,000	0	0	0	**313,000**	1,000
VMP-31	**359,000**	---	---	0	---	**783,000**	0	13,000	**755,000**	**370,000**	**56,000**	**OVER RANGE**[2]	**974,000**	**830,000**	29,000	13,000	**845,000**
VMP-32	1,000	1,000	0	0	---	0	0	0	0	0	3,000	0	**OVER RANGE**[2]	**113,000**	**52,000**	**518,000**	0
VMP-33	1,000	1,000	0	0	---	0	1,000	0	0	0	0	0	0	0	0	1,000	0
VMP-34	0	0	0	---	---	---	---	0	0	0	0	0	0	0	0	0	0
VMP-35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-36	0	0	0	0	---	0	0	0	0	0	0	0	0	0	0	0	0
VMP-37	1,000	1,000	0	0	---	0	0	0	0	0	0	0	0	0	0	**643,000**	**637,000**
VMP-38	**WATER**[1]	---	---	0	---	0	0	0	0	0	0	0	0	0	0	3,000	**650,000**
VMP-39	4,000	3,000	1,000	0	---	0	---	0	5,000	0	0	0	0	0	4,000	0	20,000
VMP-40	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VMP-41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-42	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0	2,000
VMP-43	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1,000	0
Monitoring Points																	
MP-A	0	0	0	0	0	0	4,000	0	0	0	0	0	0	0	0	7,000	0
MP-B	0	0	0	0	0	0	0	0	0	0	0	7,000	0	0	0	1,000	0
MP-C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MP-D	1,000	0	0	0	0	0	0	0	0	0	0	0	0	0	1,000	0	2,000
MP-E	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MP-F	0	0	0	0	0	0	0	0	0	0	0	---	0	0	0	0	0
MP-G	1,000	1,000	20,000	0	0	0	0	0	0	0	0	---	0	0	0	0	0

Appendix B1
Historical In-Situ Soil Gas Monitoring Data (2006 - 2014)
FGGM 93 Manor View Dump Site
Fort George G. Meade, Maryland

Date:	12/4/2006	12/11/2006	12/18/2006	12/27/2006	1/2/2007	1/9/2007	1/15/2007	1/21/2007	1/29/2007	2/5/2007	2/12/2007	2/20/2007	2/27/2007	3/8/2007	3/13/2007	3/19/2007	3/26/2007
Rainfall:	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Barometric Pressure (inches):	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent Points																	
Vent-1 (TR-1)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Vent-2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-4 (TR-3)	0	0	0	0	0	0	1,000	0	0	0	0	0	0	0	0	0	0
Vent-5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-7 (TR-7)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Vent-8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-11 (TR-11)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Vent-12	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-13	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vapor Extraction Points																	
VE-A	0	0	0	0	0	0	0	0	0	0	6,000	**251,000**	0	0	0	0	0
VE-B	0	10,000	9,000	0	7,000	7,000	10,000	1,000	5,000	3,000	9,000	11,000	0	0	3,000	3,000	3,000
VE-C	3,000	14,000	25,000	15,000	0	0	0	0	0	0	0	0	0	0	0	0	0
VE-D	0	1,000	0	0	0	0	1,000	0	0	0	0	0	0	0	0	0	0
VE-E	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VE-F	0	30,000	0	0	0	1,000	1,000	7,000	0	0	0	0	0	0	0	3,000	0
Monitoring Wells																	
MW-1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-11	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
RI Soil Gas Points																	
SG-50	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-82S	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-82M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-82D	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-84S	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-84M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-84D	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Miscellaneous																	
Blower	21,000	21,000	20,000	19,000	19,000	21,000	22,000	20,000	20,000	22,000	1,000	21,000	36,000	20,000	24,000	34,000	28,000

Appendix B1
Historical In-Situ Soil Gas Monitoring Data (2006 - 2014)
FGGM 93 Manor View Dump Site
Fort George G. Meade, Maryland

Date:	4/2/2007	4/9/2007	4/16/2007	4/23/2007	4/30/2007	5/7/2007	5/14/2007	5/22/2007	5/29/2007	6/6/2007	6/11/2007	6/19/2007	6/26/2007
Rainfall:	---	---	---	---	---	---	---	---	---	---	---	---	---
Barometric Pressure (inches):	---	---	---	---	---	---	---	---	---	---	---	---	---
Vapor Monitoring Points													
VMP-1	**67,000**	8,000	**216,000**	**65,000**	**236,000**	**158,000**	**186,000**	**117,000**	**158,000**	**428,000**	**220,000**	**107,000**	**159,000**
VMP-2	0	0	1,000	0	3,000	2,000	2,000	1,000	2,000	**275,000**	**142,000**	**271,000**	**342,000**
VMP-3	32,000	0	0	21,000	**339,000**	27,000	7,000	2,000	**143,000**	**478,000**	**440,000**	**436,000**	**457,000**
VMP-4	**138,000**	0	0	43,000	50,000	1,000	2,000	2,000	**74,000**	21,000	0	0	6,000
VMP-5	3,000	0	**57,000**	1,000	3,000	1,000	0	0	1,000	**159,000**	1,000	0	0
VMP-6	0	0	0	0	1,000	1,000	0	0	2,000	4,000	0	0	2,000
VMP-7	0	0	2,000	**384,000**	**231,000**	**60,000**	0	0	5,000	**110,000**	**140,000**	**97,000**	**153,000**
VMP-8	9,000	**52,000**	41,000	0	**133,000**	**304,000**	**611,000**	**595,000**	**238,000**	**432,000**	**461,000**	**194,000**	**172,000**
VMP-9	0	0	0	0	0	0	1,000	0	0	0	0	0	0
VMP-10	0	0	0	0	1,000	3,000	1,000	1,000	1,000	0	0	0	2,000
VMP-11	0	0	1,000	0	2,000	2,000	1,000	1,000	1,000	0	0	0	0
VMP-12	0	0	0	0	0	2,000	0	0	2,000	0	0	0	0
VMP-21	**104,000**	1,000	**74,000**	**130,000**	**156,000**	**102,000**	**OVER RANGE**[(2)]	**93,000**	**526,000**	**278,000**	**191,000**	**286,000**	**157,000**
VMP-22	**408,000**	**211,000**	**358,000**	**302,000**	**317,000**	**417,000**	**OVER RANGE**[(2)]	**574,000**	**549,000**	**414,000**	**493,000**	**484,000**	**446,000**
VMP-23	**333,000**	25,000	**112,000**	**290,000**	**316,000**	**471,000**	**OVER RANGE**[(2)]	**619,000**	**533,000**	**361,000**	**453,000**	**442,000**	**428,000**
VMP-24	0	0	2,000	0	1,000	2,000	1,000	0	0	0	0	0	0
VMP-25	0	0	0	0	2,000	2,000	1,000	0	1,000	0	0	0	2,000
VMP-26	2,000	0	0	0	0	1,000	2,000	2,000	1,000	0	0	0	0
VMP-27	0	0	0	0	0	1,000	0	1,000	2,000	0	0	0	0
VMP-28	0	1,000	0	0	3,000	0	0	0	0	0	0	0	0
VMP-29	0	0	0	0	22,000	1,000	0	0	2,000	0	0	0	1,000
VMP-30	**117,000**	14,000	**OVER RANGE**[(2)]	13,000	6,000	1,000	**698,000**	**68,000**	**70,000**	12,000	**99,000**	**75,000**	**469,000**
VMP-31	**OVER RANGE**[(2)]	**OVER RANGE**[(2)]	40,000	**OVER RANGE**[(2)]	**965,000**	0	**OVER RANGE**[(2)]	**OVER RANGE**[(2)]	**OVER RANGE**[(2)]	**OVER RANGE**[(2)]	**OVER RANGE**[(2)]	**OVER RANGE**[(2)]	**OVER RANGE**[(2)]
VMP-32	0	0	0	0	3,000	2,000	1,000	1,000	0	0	0	0	**OVER RANGE**[(2)]
VMP-33	0	1,000	1,000	0	16,000	0	4,000	2,000	1,000	0	0	0	0
VMP-34	0	3,000	0	0	2,000	1,000	0	1,000	0	0	0	0	0
VMP-35	0	0	0	0	1,000	1,000	1,000	0	2,000	0	0	0	0
VMP-36	0	1,000	2,000	0	2,000	0	3,000	0	2,000	0	5,000	0	1,000
VMP-37	**594,000**	**697,000**	**984,000**	**906,000**	**207,000**	1,000	0	1,000	0	0	0	0	1,000
VMP-38	**334,000**	**372,000**	**630,000**	**181,000**	**296,000**	2,000	1,000	0	1,000	0	0	0	1,000
VMP-39	6,000	2,000	0	5,000	9,000	0	0	0	1,000	0	0	0	2,000
VMP-40	---	---	---	---	---	---	---	---	---	---	---	---	---
VMP-41	0	0	0	0	2,000	1,000	0	0	0	0	0	0	2,000
VMP-42	1,000	2,000	1,000	0	1,000	2,000	0	0	2,000	0	0	0	2,000
VMP-43	0	0	0	0	0	3,000	0	1,000	2,000	0	0	0	5,000
Monitoring Points													
MP-A	1,000	0	40,000	0	18,000	2,000	0	0	0	0	0	0	1,000
MP-B	0	0	1,000	0	0	3,000	0	2,000	2,000	0	0	0	0
MP-C	0	0	0	**147,000**	2,000	1,000	0	7,000	7,000	8,000	6,000	2,000	**OVER RANGE**[(2)]
MP-D	1,000	0	0	8,000	3,000	1,000	**OVER RANGE**[(2)]	1,000	15,000	1,000	0	0	4,000
MP-E	0	0	0	**399,000**	1,000	2,000	**87,000**	**119,000**	---	**141,000**	**93,000**	**91,000**	**194,000**
MP-F	0	0	0	0	0	2,000	1,000	2,000	0	0	0	0	0
MP-G	0	0	2,000	0	1,000	2,000	2,000	0	1,000	0	0	0	0

Appendix B1
Historical In-Situ Soil Gas Monitoring Data (2006 - 2014)
FGGM 93 Manor View Dump Site
Fort George G. Meade, Maryland

Date:	4/2/2007	4/9/2007	4/16/2007	4/23/2007	4/30/2007	5/7/2007	5/14/2007	5/22/2007	5/29/2007	6/6/2007	6/11/2007	6/19/2007	6/26/2007
Rainfall:	---	---	---	---	---	---	---	---	---	---	---	---	---
Barometric Pressure (inches):	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent Points													
Vent-1 (TR-1)	1,000	0	0	0	2,000	0	0	1,000	0	0	0	0	0
Vent-2	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-3	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-4 (TR-3)	0	0	0	0	2,000	1,000	2,000	0	1,000	0	0	0	1,000
Vent-5	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-6	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-7 (TR-7)	0	0	7,000	0	10	1,000	1,000	0	2,000	0	0	0	2,000
Vent-8	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-9	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-10	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-11 (TR-11)	0	0	0	0	5	0	1,000	1,000	3,000	0	0	0	2,000
Vent-12	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-13	---	---	---	---	---	---	---	---	---	---	---	---	---
Vapor Extraction Points													
VE-A	0	0	1,000	42,000	4,000	1,000	1,000	0	5,000	3,000	1,000	0	**617,000**
VE-B	2,000	1,000	1,000	7,000	2,000	5,000	**361,000**	5,000	---	16,000	10,000	9,000	4,000
VE-C	0	0	0	0	0	0	1,000	0	0	0	0	0	1,000
VE-D	1,000	0	0	0	2,000	0	2,000	1,000	3,000	0	0	0	4,000
VE-E	0	0	0	---	0	---	0	0	2,000	0	0	0	---
VE-F	2,000	4,000	0	21,000	8,000	---	0	1,000	1,000	0	0	0	0
Monitoring Wells													
MW-1	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-6	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-7	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-8	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-9	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-10	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-11	---	---	---	---	---	---	---	---	---	---	---	---	---
RI Soil Gas Points													
SG-50	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-82S	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-82M	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-82D	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-84S	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-84M	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-84D	---	---	---	---	---	---	---	---	---	---	---	---	---
Miscellaneous													
Blower	28,000	32,000	34,000	31,000	**344,000**	2,000	30,000	25,000	**133,000**	22,000	20,000	17,000	**---**

Appendix B1
Historical In-Situ Soil Gas Monitoring Data (2006 - 2014)
FGGM 93 Manor View Dump Site
Fort George G. Meade, Maryland

Date:	7/2/2007	7/11/2007	7/17/2007	7/25/2007	7/30/2007	8/7/2007	8/14/2007	8/21/2007	8/28/2007	9/5/2007	9/10/2007	9/18/2007	9/25/2007	10/1/2007	10/11/2007	10/16/2007	10/24/2007
Rainfall:	6/27 (0.01") 6/28 (0.13") 6/29 (0.04")	7/3 (0.11") 7/4 (0.58") 7/10 (1.84")	7/14 (0.03")	No measureable precipitation.	7/27 (0.18") 7/28 (0.11") 7/29 (0.24") 7/30 (0.24")	8/4 (0.44") 8/5 (0.14") 8/6 (0.06")	8/9 (0.38")	8/13 (0.13") 8/16 (0.77") 8/19 (0.77") 8/20 (0.76") 8/21 (0.76")	8/22 (0.03") 8/25 (0.62")	No measureable precipitation.	9/10 (0.14") 9/11 (0.03")	9/5 (0.09") 9/14 (0.48") 9/11 (0.33")	No measureable precipitation.	No measureable precipitation.	No measureable precipitation.	10/10 (0.1") 10/12 (0.03")	10/19 (0.44") 10/23 (0.01")
Barometric Pressure (inches):	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vapor Monitoring Points																	
VMP-1	**98,000**	**85,000**	42,000	**51,000**	**70,000**	**76,000**	18,000	**409,000**	0	19,000	21,000	31,000	14,000	4,000	1,000	0	14,000
VMP-2	**338,000**	**178,000**	0	**253,000**	**103,000**	0	0	0	0	0	0	1,000	0	1,000	1,000	0	1,000
VMP-3	**593,000**	**428,000**	**361,000**	**434,000**	**452,000**	**435,000**	0	0	0	0	0	11,000	1,000	0	1,000	3,000	**280,000**
VMP-4	4,000	**118,000**	39,000	**89,000**	**181,000**	**249,000**	25,000	0	0	1,000	1,000	4,000	1,000	1,000	1,000	4,000	1,000
VMP-5	2,000	0	0	4,000	0	0	0	0	0	0	1,000	2,000	3,000	0	0	2,000	1,000
VMP-6	0	0	0	2,000	0	0	0	0	0	0	0	1,000	2,000	0	0	2,000	1,000
VMP-7	**269,000**	**137,000**	**157,000**	**131,000**	**116,000**	0	0	0	0	0	0	2,000	2,000	0	2,000	0	0
VMP-8	**161,000**	**332,000**	**346,000**	4,000	**51,000**	**79,000**	**251,000**	**92,000**	**208,000**	**178,000**	**102,000**	**393,000**	**483,000**	**502,000**	**281,000**	**454,000**	**518,000**
VMP-9	0	0	0	1,000	0	0	0	0	0	0	0	2,000	2,000	0	1,000	0	0
VMP-10	0	0	0	2,000	0	0	0	0	0	0	0	1,000	1,000	0	0	0	0
VMP-11	6,000	0	0	0	9,000	1,000	0	0	0	0	0	1,000	0	0	0	0	0
VMP-12	1,000	0	0	0	1,000	1,000	0	0	0	0	0	1,000	0	0	0	0	0
VMP-21	**256,000**	**162,000**	**139,000**	**152,000**	**187,000**	**447,000**	**168,000**	**491,000**	**525,000**	**518,000**	**544,000**	**564,000**	**196,000**	**476,000**	**495,000**	**169,000**	**179,000**
VMP-22	**637,000**	**428,000**	**190,000**	**173,000**	**94,000**	**139,000**	**146,000**	**267,000**	**214,000**	**167,000**	**534,000**	**154,000**	**173,000**	**491,000**	**142,000**	**166,000**	**227,000**
VMP-23	**605,000**	**417,000**	**486,000**	**457,000**	**431,000**	**427,000**	**450,000**	**253,000**	**341,000**	**474,000**	**549,000**	**540,000**	**639,000**	**488,000**	**493,000**	**607,000**	**518,000**
VMP-24	1,000	0	0	1,000	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-25	0	0	0	1,000	0	0	0	0	0	0	0	0	1,000	0	0	0	0
VMP-26	0	0	0	1,000	0	0	0	0	0	0	0	1,000	0	0	0	0	0
VMP-27	1,000	0	0	1,000	0	0	0	0	0	0	0	2,000	0	0	0	0	0
VMP-28	1,000	0	0	2,000	1,000	1,000	0	0	0	0	0	0	0	0	0	0	0
VMP-29	0	0	0	2,000	1,000	1,000	0	0	0	1,000	0	1,000	0	0	0	0	0
VMP-30	**140,000**	**83,000**	**93,000**	**84,000**	**77,000**	**82,000**	**105,000**	0	**115,000**	**91,000**	**128,000**	**138,000**	**149,000**	**147,000**	**146,000**	**129,000**	**112,000**
VMP-31	**85,000**	**OVER RANGE**[(2)]	**279,000**	2,000	0	0	**116,000**	**184,000**	**75,000**	1,000	0	1,000	1,000	0	0	2,000	2,000
VMP-32	0	0	0	4,000	0	0	0	1,000	1,000	2,000	2,000	3,000	2,000	0	0	0	0
VMP-33	0	0	0	1,000	0	0	0	0	0	0	0	1,000	0	0	0	0	0
VMP-34	0	0	0	1,000	0	0	0	0	0	0	0	1,000	0	0	0	0	0
VMP-35	1,000	0	0	1,000	0	2,000	0	0	0	0	0	1,000	0	0	0	0	0
VMP-36	0	0	0	2,000	0	0	0	0	2,000	2,000	1,000	1,000	1,000	0	0	0	1,000
VMP-37	1,000	0	0	0	1,000	0	0	0	0	0	0	2,000	0	0	0	0	0
VMP-38	0	0	0	1,000	1,000	2,000	0	0	0	0	0	1,000	0	0	0	0	0
VMP-39	0	0	0	1,000	1,000	0	0	0	0	0	0	1,000	0	0	0	0	0
VMP-40	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0	---	---
VMP-41	1,000	0	0	2,000	0	0	0	0	0	0	0	2,000	0	0	0	0	0
VMP-42	0	0	0	1,000	0	0	0	0	0	0	0	1,000	1,000	0	0	0	0
VMP-43	0	0	0	1,000	0	0	0	0	0	0	0	1,000	1,000	0	0	0	0
Monitoring Points																	
MP-A	1,000	1,000	0	0	0	1,000	0	0	0	0	0	2,000	0	0	0	0	0
MP-B	0	0	0	1,000	1,000	1,000	0	0	0	0	0	1,000	0	0	13,000	0	0
MP-C	5,000	4,000	4,000	6,000	2,000	1,000	0	0	0	0	0	3,000	2,000	1,000	2,000	2,000	2,000
MP-D	0	0	0	2,000	0	0	0	0	0	0	0	3,000	1,000	1,000	1,000	3,000	2,000
MP-E	41,000	33,000	4,000	2,000	0	0	0	0	0	0	0	2,000	2,000	2,000	0	0	0
MP-F	0	0	0	2,000	0	0	0	0	0	0	0	1,000	1,000	0	0	0	0
MP-G	0	1,000	0	0	0	1,000	0	0	0	1,000	0	1,000	1,000	0	0	0	0

Appendix B1
Historical In-Situ Soil Gas Monitoring Data (2006 - 2014)
FGGM 93 Manor View Dump Site
Fort George G. Meade, Maryland

Date:	7/2/2007	7/11/2007	7/17/2007	7/25/2007	7/30/2007	8/7/2007	8/14/2007	8/21/2007	8/28/2007	9/5/2007	9/10/2007	9/18/2007	9/25/2007	10/1/2007	10/11/2007	10/16/2007	10/24/2007
Rainfall:	6/27 (0.01") 6/28 (0.13") 6/29 (0.04")	7/3 (0.11") 7/4 (0.58") 7/10 (1.84")	7/14 (0.03")	No measureable precipitation.	7/27 (0.18") 7/28 (0.11") 7/29 (0.24") 7/30 (0.24")	8/4 (0.44") 8/5 (0.14") 8/6 (0.06")	8/9 (0.38")	8/13 (0.13") 8/16 (0.77") 8/19 (0.77") 8/20 (0.76") 8/21 (0.76")	8/22 (0.03") 8/25 (0.62")	No measureable precipitation.	9/10 (0.14") 9/11 (0.03")	9/5 (0.09") 9/14 (0.48") 9/11 (0.33")	No measureable precipitation.	No measureable precipitation.	No measureable precipitation.	10/10 (0.1") 10/12 (0.03")	10/19 (0.44") 10/23 (0.01")
Barometric Pressure (inches):	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent Points																	
Vent-1 (TR-1)	0	0	0	2,000	0	0	0	0	0	0	0	1,000	2,000	1,000	0	1,000	0
Vent-2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-4 (TR-3)	1,000	0	4,000	200	0	0	0	0	0	0	0	1,000	1,000	0	0	0	0
Vent-5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-7 (TR-7)	0	0	0	2,000	0	0	0	0	0	0	0	2,000	2,000	1,000	0	1,000	0
Vent-8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-11 (TR-11)	2,000	0	0	1,000	0	0	0	0	0	0	0	1,000	1,000	2,000	0	1,000	0
Vent-12	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-13	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vapor Extraction Points																	
VE-A	2,000	1,000	1,000	3,000	3,000	2,000	3,000	4,000	8,000	2,000	0	2,000	3,000	4,000	2,000	4,000	5,000
VE-B	21,000	12,000	17,000	24,000	16,000	16,000	7,000	4,000	5,000	3,000	3,000	4,000	7,000	0	13,000	17,000	11,000
VE-C	0	0	1,000	1,000	1,000	0	0	0	0	0	0	1,000	1,000	1,000	41,000	26,000	7,000
VE-D	0	0	0	2,000	0	0	0	0	0	0	0	2,000	1,000	0	0	0	1,000
VE-E	0	0	0	1,000	0	0	0	0	0	---	0	1,000	2,000	2,000	0	0	0
VE-F	0	1,000	0	0	0	0	0	0	4,000	0	0	3,000	0	0	0	0	1,000
Monitoring Wells																	
MW-1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-11	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
RI Soil Gas Points																	
SG-50	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-82S	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-82M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-82D	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-84S	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-84M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-84D	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Miscellaneous																	
Blower	10,000	6,000	2,000	4,000	2,000	0	0	0	0	0	0	1,000	2,000	2,000	2,000	2,000	1,000

Appendix B1
Historical In-Situ Soil Gas Monitoring Data (2006 - 2014)
FGGM 93 Manor View Dump Site
Fort George G. Meade, Maryland

Date:	10/29/2007	11/5/2007	11/12/2007	11/20/2007	11/26/2007	12/3/2007	12/10/2007	12/1920/2007	12/27/2007	1/4/2008	1/07&08/2008	1/15&16/2008	1/21&22/2008	1/29/2008	2/5/2008	2/12 & 14/2008
Rainfall:	10/25 (0.52") 10/26 (1.46") 10/27 (0.76") 10/28 (0.02")	No measureable precipitation.	11/09 (0.4") 11/11 (0.24") 11/12 (0.17")	11/15 (1.16")	11/26 (0.12")	12/2 (0.64")	12/5 (0.05") 12/7 (0.05") 12/8 (0.25") 12/9 (0.06") 12/10 (0.11")	12/13 (0.05") 12/15 (0.14") 12/16 (0.93")	12/23 (0.17") 12/26 (0.6")	12/28 (0.48") 12/29 (0.18") 12/30 (0.05") 12/31 (0.05")	1/5 (0.01") 1/6 (0.20")	1/14 (0.05")	1/19 (0.2")	1/29 (0.2")	2/1 (1.2") 2/4 (0.03")	2/12 (0.41") 2/13 (0.01")
Barometric Pressure (inches):	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vapor Monitoring Points																
VMP-1	**261,000**	0	0	**75,000**	0	0	0	0	0	1,000	0	0	0	0	0	0
VMP-2	**511,000**	**175,000**	31,000	**146,000**	0	0	0	0	0	1,000	0	0	0	0	0	0
VMP-3	49,000	6,000	**156,000**	**279,000**	0	0	0	0	0	0	0	0	0	0	0	0
VMP-4	2,000	0	0	0	0	0	0	0	0	1,000	0	0	0	0	0	0
VMP-5	1,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-6	2,000	0	0	0	0	0	2,000	0	0	0	0	1,000	0	0	0	0
VMP-7	**744,000**	42,000	0	**224,000**	0	0	18,000	0	0	1,000	**89,000**	0	3,000	2,000	0	1,000
VMP-8	**194,000**	18,000	**57,000**	**104,000**	26,000	**72,000**	6,000	0	9,000	1,000	1,000	5,000	**356,000**	18,000	0	0
VMP-9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-11	14,000	0	0	0	0	0	0	0	0	0	1,000	8,000	0	0	21,000	1,000
VMP-12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-21	**337,000**	**494,000**	**350,000**	**190,000**	0	**293,000**	1,000	0	0	0	5,000	0	8,000	0	**120,000**	0
VMP-22	3,000	**80,000**	**131,000**	47,000	**112,000**	19,000	**155,000**	41,000	0	---	---	---	---	---	---	---
VMP-23	**707,000**	**247,000**	**356,000**	**445,000**	5,000	**437,000**	**222,000**	0	0	3,000	**229,000**	0	24,000	1,000	**321,000**	43,000
VMP-24	0	0	0	0	0	0	0	0	0	0	1,000	0	0	0	0	0
VMP-25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-26	0	0	0	0	0	0	0	0	0	0	0	2,000	0	0	0	0
VMP-27	0	0	1,000	0	0	0	0	0	0	0	0	0	0	0	0	9,000
VMP-28	0	0	0	0	0	0	0	0	0	0	1,000	0	0	0	0	---
VMP-29	0	0	0	6,000	0	0	0	0	0	0	0	15,000	0	0	0	---
VMP-30	---	**85,000**	**183,000**	0	**77,000**	**122,000**	7,000	0	0	22,000	**54,000**	13,000	0	**54,000**	**64,000**	---
VMP-31	---	1,000	0	9,000	0	0	16,000	0	0	6,000	9,000	0	1,000	0	14,000	---
VMP-32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-36	0	3,000	3,000	1,000	0	0	0	0	0	0	1,000	0	0	0	0	0
VMP-37	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-38	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	---
VMP-39	0	0	0	0	0	0	15,000	0	0	1,000	1,000	0	3,000	1,000	**85,000**	0
VMP-40	---	---	---	---	---	---	---	---	---	---	---	0	---	---	---	---
VMP-41	1,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-42	0	0	0	0	0	0	0	0	0	0	0	0	2,000	0	0	0
VMP-43	---	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monitoring Points																
MP-A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12,000	1,000
MP-B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MP-C	---	---	---	---	0	---	---	0	0	1,000	0	0	0	0	0	---
MP-D	3,000	---	---	---	0	---	---	0	0	1,000	0	0	0	0	0	---
MP-E	1,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	---
MP-F	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MP-G	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix B1
Historical In-Situ Soil Gas Monitoring Data (2006 - 2014)
FGGM 93 Manor View Dump Site
Fort George G. Meade, Maryland

Date:	10/29/2007	11/5/2007	11/12/2007	11/20/2007	11/26/2007	12/3/2007	12/10/2007	12/1920/2007	12/27/2007	1/4/2008	1/07&08/2008	1/15&16/2008	1/21&22/2008	1/29/2008	2/5/2008	2/12 & 14/2008
Rainfall:	10/25 (0.52") 10/26 (1.46") 10/27 (0.76") 10/28 (0.02")	No measureable precipitation.	11/09 (0.4") 11/11 (0.24") 11/12 (0.17")	11/15 (1.16")	11/26 (0.12")	12/2 (0.64")	12/5 (0.05") 12/7 (0.05") 12/8 (0.25") 12/9 (0.06") 12/10 (0.11")	12/13 (0.05") 12/15 (0.14") 12/16 (0.93")	12/23 (0.17") 12/26 (0.6")	12/28 (0.48") 12/29 (0.18") 12/30 (0.05") 12/31 (0.05")	1/5 (0.01") 1/6 (0.20")	1/14 (0.05")	1/19 (0.2")	1/29 (0.2")	2/1 (1.2") 2/4 (0.03")	2/12 (0.41") 2/13 (0.01")
Barometric Pressure (inches):	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent Points																
Vent-1 (TR-1)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Vent-2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-4 (TR-3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Vent-5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-7 (TR-7)	0	0	0	0	0	0	0	0	0	1,000	0	0	0	0	0	0
Vent-8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-11 (TR-11)	0	0	0	0	0	0	0	0	0	1,000	0	0	0	0	0	0
Vent-12	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-13	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vapor Extraction Points																
VE-A	0	21,000	0	19,000	14,000	13,000	15,000	9,000	19,000	11,000	13,000	9,000	12,000	14,000	3,000	2,000
VE-B	23,000	27,000	17,000	16,000	9,000	12,000	12,000	8,000	5,000	5,000	5,000	5,000	2,000	3,000	0	1,000
VE-C	0	---	---	---	0	---	---	1,000	1,000	4,000	0	0	0	0	0	0
VE-D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VE-E	0	0	0	0	0	0	0	0	0	0	1,000	0	0	0	0	0
VE-F	1,000	3,000	1,000	0	0	0	2,000	0	0	0	1,000	5,000	0	0	0	1,000
Monitoring Wells																
MW-1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-11	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
RI Soil Gas Points																
SG-50	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-82S	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-82M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-82D	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-84S	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-84M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-84D	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Miscellaneous																
Blower	2,000	3,000	1,000	2,000	0	0	0	1,000	0	0	0	0	0	0	0	0

Appendix B1
Historical In-Situ Soil Gas Monitoring Data (2006 - 2014)
FGGM 93 Manor View Dump Site
Fort George G. Meade, Maryland

Date:	2/19/2008	2/25/2008	3/3/2008	3/11/2008	3/18/2008	3/24/2008	3/31/2008	4/8/2008	4/14/2008	4/23/2008	4/29/2008	5/6/2008	5/14/2008	5/20/2008	5/28/2008	6/3/2008	6/10/2008	6/17/2008
Rainfall:	2/12 (0.20") 2/13 (1.24") 2/18 (0.20")	2/20 (0.02") 2/22 (0.11") 2/24 (0.01")	2/26 (0.22") 3/1 (0.06")	3/8 (0.10") 3/10 (0.01")	3/15 (0.01") 3/16 (0.17")	3/19 (0.58") 3/20 (0.1") 3/22 (0.09")	3/27 (0.15")	4/1 (0.50") 4/3 (0.98") 4/4 (0.17") 4/6 (0.98") 4/7 (0.10")	4/9 (0.02") 4/11 (0.17") 4/12 (0.02")	4/21 (0.37") 4/20 (0.78")	4/26 (0.67") 4/27 (0.2") 4/28 (0.79") 4/29 (0.04")	5/1 (0.09") 5/2 (0.02") 5/3 (0.02")	5/8 (0.31") 5/9 (0.36") 5/10 (0.36") 5/11 (3.28") 5/12 (2.76")	5/16 (0.6") 5/18 (0.08")	No measureable precipitation.	No measureable precipitation.	6/4 (0.84") 6/7 (0.38") 6/10 (0.1")	6/14 (0.2")
Barometric Pressure (inches):	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vapor Monitoring Points																		
VMP-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-3	0	0	0	0	0	0	0	0	0	0	0	0	0	3,000	0	0	0	0
VMP-4	0	0	0	0	0	0	0	0	2,000	0	1,000	0	0	0	0	0	0	0
VMP-5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-7	0	0	2,000	0	1,000	0	**73,000**	0	0	0	**256,000**	0	0	**527,000**	0	0	0	0
VMP-8	0	0	0	0	0	2,000	0	6,000	**154,000**	**98,000**	**167,000**	32,000	0	0	**166,000**	**411,000**	**166,000**	**590,000**
VMP-9	0	0	0	0	0	0	0	0	0	0	0	0	0	**113,000**	0	0	0	0
VMP-10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-11	2,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-21	0	0	**81,000**	2,000	0	0	7,000	0	0	0	0	0	0	0	0	0	0	0
VMP-22	---	---	---	0	0	0	0	0	0	0	0	0	0	0	**93,000**	34,000	43,000	**356,000**
VMP-23	0	**83,000**	0	28,000	0	0	**87,000**	0	0	**386,000**	**105,000**	**286,000**	0	**90,000**	**92,000**	**417,000**	46,000	**441,000**
VMP-24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21,000	0	0
VMP-30	0	2,000	0	1,000	0	26,000	48,000	0	**165,000**	1,000	0	**52,000**	0	1,000	**83,000**	**135,000**	0	**251,000**
VMP-31	0	0	5,000	1,000	0	0	0	0	0	2,000	0	0	0	5,000	0	41,000	32,000	**103,000**
VMP-32	0	0	0	1,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,000
VMP-37	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,000
VMP-38	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-39	0	0	0	0	0	0	0	36,000	0	0	0	0	0	0	0	0	0	0
VMP-40	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VMP-41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-42	0	0	0	1,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-43	0	0	0	1,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monitoring Points																		
MP-A	19,000	0	0	3,000	0	0	0	0	0	0	5,000	17,000	0	**106,000**	0	0	0	10,000
MP-B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MP-C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MP-D	0	---	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MP-E	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MP-F	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MP-G	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix B1
Historical In-Situ Soil Gas Monitoring Data (2006 - 2014)
FGGM 93 Manor View Dump Site
Fort George G. Meade, Maryland

Date:	2/19/2008	2/25/2008	3/3/2008	3/11/2008	3/18/2008	3/24/2008	3/31/2008	4/8/2008	4/14/2008	4/23/2008	4/29/2008	5/6/2008	5/14/2008	5/20/2008	5/28/2008	6/3/2008	6/10/2008	6/17/2008
Rainfall:	2/12 (0.20") 2/13 (1.24") 2/18 (0.20")	2/20 (0.02") 2/22 (0.11") 2/24 (0.01")	2/26 (0.22") 3/1 (0.06")	3/8 (0.10") 3/10 (0.01")	3/15 (0.01") 3/16 (0.17")	3/19 (0.58") 3/20 (0.1") 3/22 (0.09")	3/27 (0.15")	4/1 (0.50") 4/3 (0.98") 4/4 (0.17") 4/6 (0.98") 4/7 (0.10")	4/9 (0.02") 4/11 (0.17") 4/12 (0.02")	4/21 (0.37") 4/20 (0.78")	4/26 (0.67") 4/27 (0.2") 4/28 (0.79") 4/29 (0.04")	5/1 (0.09") 5/2 (0.02") 5/3 (0.02")	5/8 (0.31") 5/9 (0.36") 5/10 (0.36") 5/11 (3.28") 5/12 (2.76")	5/16 (0.6") 5/18 (0.08")	No measureable precipitation.	No measureable precipitation.	6/4 (0.84") 6/7 (0.38") 6/10 (0.1")	6/14 (0.2")
Barometric Pressure (inches):	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent Points																		
Vent-1 (TR-1)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Vent-2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-4 (TR-3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Vent-5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-7 (TR-7)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Vent-8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-11 (TR-11)	0	0	0	0	0	0	0	---	0	0	0	0	0	0	0	0	0	0
Vent-12	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-13	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vapor Extraction Points																		
VE-A	2,000	1,000	0	0	0	0	0	---	0	0	0	0	0	0	0	0	0	0
VE-B	0	0	0	0	0	0	0	---	0	0	0	0	0	0	0	0	0	0
VE-C	0	0	0	0	0	0	0	---	0	0	0	0	0	0	0	0	0	0
VE-D	0	0	0	0	0	0	0	---	0	0	0	0	0	0	0	0	0	0
VE-E	0	0	0	0	0	0	0	---	0	0	0	0	0	0	0	0	0	0
VE-F	1,000	0	0	0	0	0	0	---	0	14,000	0	0	0	**170,000**	0	0	0	0
Monitoring Wells																		
MW-1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-11	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
RI Soil Gas Points																		
SG-50	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-82S	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-82M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-82D	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-84S	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-84M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-84D	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Miscellaneous																		
Blower	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix B1
Historical In-Situ Soil Gas Monitoring Data (2006 - 2014)
FGGM 93 Manor View Dump Site
Fort George G. Meade, Maryland

Date:	6/23/2008	6/30/2008	7/7/2008	7/16/2008	7/22/2008	7/29/2008	8/5/2008	8/11/2008	8/19/2008	8/25/2008	9/2/2008	9/10/2008	9/17/2008	9/22/2008	9/30/2008	10/8/2008	10/13/2008
Rainfall:	6/19 (0.5") 6/20(0.07") 6/23 (0.29")	6/27 (0.7") 6/28 (0.15") 6/29 (0.04")	6/30 (0.11") 7/3 (0.01") 7/4 (0.24") 7/5 (0.05") 7/6 (0.57")	7/6 (0.10") 7/7 (0.21") 7/13 (1.21") 7/14 (0.01")	7/20 (0.30")	7/22 (0.02") 7/23 (0.55") 7/27 (0.55")	7/30 (0.01") 8/1 (0.21") 8/2 (0.21")	8/7 (0.31") 8/10 (0.01")	8/14 (0.31")	No measureable precipitation.	8/28 (0.22") 8/29 (0.66")	9/5 (0.08") 9/6 (1.64") 9/9 (0.30")	9/13 (0.39")	No measureable precipitation.	9/25 (0.54") 9/26 (1.73") 9/27 (0.35") 9/29 (0.38")	10/1 (0.16")	No measureable precipitation.
Barometric Pressure (inches):	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vapor Monitoring Points																	
VMP-1	0	0	0	0	**112,000**	**350,000**	**403,000**	**439,000**	**467,000**	**464,000**	**401,000**	**456,000**	**196,000**	0	0	0	0
VMP-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**173,000**	10,000	0
VMP-4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-7	0	0	0	**485,000**	0	**511,000**	0	0	0	0	0	0	40,700	0	**476,000**	0	**51,000**
VMP-8	**624,000**	**587,000**	**407,000**	**79,000**	**500,000**	**271,000**	**486,000**	**460,000**	**507,000**	**507,000**	**483,000**	**502,000**	**503,000**	**453,000**	36,000	**506,000**	**221,000**
VMP-9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-11	0	0	0	---	---	0	0	0	0	0	0	0	0	0	0	0	0
VMP-12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-21	**304,000**	**372,000**	0	0	0	0	0	**445,000**	**375,000**	23,000	27,000	49,000	**396,000**	**222,000**	0	**169,000**	**122,000**
VMP-22	**191,000**	**284,000**	0	0	**103,000**	0	**122,000**	**361,000**	**219,000**	**222,000**	**207,000**	**237,000**	**381,000**	**79,000**	0	0	41,000
VMP-23	**142,000**	**453,000**	**348,000**	**433,000**	**404,000**	**313,000**	**290,000**	**467,000**	**491,000**	**458,000**	**433,000**	**421,000**	**362,000**	**328,000**	**461,000**	**164,000**	**205,000**
VMP-24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-30	**338,000**	0	1,000	0	**109,000**	0	**65,000**	**125,000**	20,000	**100,000**	**101,000**	**98,000**	**126,000**	**168,000**	0	**93,000**	11,000
VMP-31	**199,000**	**322,000**	**263,000**	**118,000**	**65,000**	**82,000**	**141,000**	0	0	1,000	0	0	7,000	0	0	0	0
VMP-32	0	0	**303,000**	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-36	0	0	0	3,000	0	0	0	1,000	0	0	0	0	0	0	0	0	0
VMP-37	0	0	0	2,000	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-38	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-40	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VMP-41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-43	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monitoring Points																	
MP-A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MP-B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MP-C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MP-D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MP-E	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MP-F	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MP-G	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix B1
Historical In-Situ Soil Gas Monitoring Data (2006 - 2014)
FGGM 93 Manor View Dump Site
Fort George G. Meade, Maryland

Date:	6/23/2008	6/30/2008	7/7/2008	7/16/2008	7/22/2008	7/29/2008	8/5/2008	8/11/2008	8/19/2008	8/25/2008	9/2/2008	9/10/2008	9/17/2008	9/22/2008	9/30/2008	10/8/2008	10/13/2008
Rainfall:	6/19 (0.5") 6/20(0.07") 6/23 (0.29")	6/27 (0.7") 6/28 (0.15") 6/29 (0.04")	6/30 (0.11") 7/3 (0.01") 7/4 (0.24") 7/5 (0.05") 7/6 (0.57")	7/6 (0.10") 7/7 (0.21") 7/13 (1.21") 7/14 (0.01")	7/20 (0.30")	7/22 (0.02") 7/23 (0.55") 7/27 (0.55")	7/30 (0.01") 8/1 (0.21") 8/2 (0.21")	8/7 (0.31") 8/10 (0.01")	8/14 (0.31")	No measureable precipitation.	8/28 (0.22") 8/29 (0.66")	9/5 (0.08") 9/6 (1.64") 9/9 (0.30")	9/13 (0.39")	No measureable precipitation.	9/25 (0.54") 9/26 (1.73") 9/27 (0.35") 9/29 (0.38")	10/1 (0.16")	No measureable precipitation.
Barometric Pressure (inches):	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent Points																	
Vent-1 (TR-1)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Vent-2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-4 (TR-3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Vent-5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-7 (TR-7)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Vent-8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-11 (TR-11)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Vent-12	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-13	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vapor Extraction Points																	
VE-A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VE-B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VE-C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VE-D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VE-E	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VE-F	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monitoring Wells																	
MW-1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-11	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
RI Soil Gas Points																	
SG-50	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-82S	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-82M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-82D	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-84S	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-84M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-84D	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Miscellaneous																	
Blower	0	0	0	0	0	0	40,000	0	0	0	0	0	0	0	0	0	0

Appendix B1
Historical In-Situ Soil Gas Monitoring Data (2006 - 2014)
FGGM 93 Manor View Dump Site
Fort George G. Meade, Maryland

Date:	10/20/2008	11/3/2008	11/11/2008	11/17/2008	11/24/2008	12/1/2008	12/8/2008	12/16/2008	12/23/2008	12/29/2008	1/6/2009	1/12/2009	1/20/2009	1/26/2009	2/2/2009	2/10/2009	2/17/2009
Rainfall:	No measureable precipitation.	10/18 (0.02")	11/4 (0.13") 11/5 (0.11") 11/6 (0.01") 11/7 (0.01") 11/8 (0.02")	11/12 (0.01") 11/13 (0.80") 11/14 (0.01") 11/15 (0.75") 11/17 (0.01")	11/24 (0.1")	11/30 (0.69") 12/1 (0.02")	12/04 (0.03") 12/06 (0.05")	12/9 (0.01") 12/10 (0.15") 12/11 (1.44") 12/12 (0.08") 12/15 (0.04") 12/16 (0.59")	12/17 (0.12") 12/19 (0.56") 12/21 (0.05")	12/24 (0.02") 12/26 (0.03")	1/6 (0.48")	1/7 (1.37") 1/10 (0.11") 1/11 (0.08")	1/19 (0.21")	No measureable precipitation.	1/27 (0.30") 1/28 (0.38")	2/3 (0.04") 2/4 (0.08") 2/11 (0.08")	2/11 (0.08")
Barometric Pressure (inches):	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vapor Monitoring Points																	
VMP-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,000	0
VMP-2	5,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,000	0
VMP-3	**205,000**	0	0	0	10,000	14,000	17,000	10,000	0	4,000	0	0	0	0	0	1,000	0
VMP-4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,000	0
VMP-5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,000	2,000	0
VMP-6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,000	0
VMP-7	42,000	**80,000**	0	0	0	0	0	0	0	0	0	0	0	0	1,000	1,000	2,000
VMP-8	**274,000**	0	18,000	21,000	**307,000**	**378,000**	**307,000**	**231,000**	0	**212,000**	0	1,000	2,000	17,000	20,000	1,000	0
VMP-9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,000	0
VMP-10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,000	1,000	0
VMP-11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-21	**306,000**	0	0	0	**172,000**	**165,000**	**151,000**	**120,000**	0	**130,000**	0	0	0	0	21,000	1,000	0
VMP-22	**101,000**	0	1,000	1,900	0	19,000	26,000	10,000	7,000	9,000	3,000	**WATER**[(1)]	0	1,000	1,000	**108,000**	30,000
VMP-23	**281,000**	0	5,000	5,300	**142,000**	**146,000**	**137,000**	**76,000**	0	**75,000**	**68,000**	0	9,000	26,000	15,000	**53,000**	0
VMP-24	0	0	0	0	0	0	0	0	0	0	1,000	0	0	0	0	1,000	0
VMP-25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,000	1,000	0
VMP-26	0	0	0	0	0	0	0	0	0	0	0	**WATER**[(1)]	0	0	0	1,000	0
VMP-27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,000	1,000	0
VMP-28	0	0	0	0	0	0	0	0	---	0	0	**WATER**[(1)]	0	0	0	1,000	0
VMP-29	0	0	0	0	0	0	0	0	---	0	---	**WATER**[(1)]	0	0	0	1,000	0
VMP-30	**54,000**	0	46,000	**52,100**	31,000	46,000	40,000	25,000	0	13,000	0	**WATER**[(1)]	0	0	4,000	37,000	20,000
VMP-31	0	0	0	0	0	0	0	0	3,000	0	0	0	0	0	1,000	1,000	1,000
VMP-32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,000	1,000	0
VMP-33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,000	0	0
VMP-34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,000	0
VMP-35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,000	2,000
VMP-36	0	0	0	0	0	0	0	0	---	0	0	0	0	0	0	3,000	0
VMP-37	0	0	0	0	0	0	0	0	---	0	0	**WATER**[(1)]	0	0	0	2,000	0
VMP-38	0	0	0	0	0	0	0	0	0	0	---	**WATER**[(1)]	0	0	0	2,000	0
VMP-39	0	0	0	0	0	0	0	0	---	0	0	0	0	0	2,000	1,000	0
VMP-40	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VMP-41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,000	0
VMP-42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,000	0
VMP-43	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,000	1,000	0
Monitoring Points																	
MP-A	0	0	0	0	0	0	0	0	2,000	0	28,000	32,000	34,000	1,000	7,000	2,000	0
MP-B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MP-C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,000	1,000	0
MP-D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,000	0
MP-E	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,000	0
MP-F	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,000	0
MP-G	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,000	0

Appendix B1
Historical In-Situ Soil Gas Monitoring Data (2006 - 2014)
FGGM 93 Manor View Dump Site
Fort George G. Meade, Maryland

Date:	10/20/2008	11/3/2008	11/11/2008	11/17/2008	11/24/2008	12/1/2008	12/8/2008	12/16/2008	12/23/2008	12/29/2008	1/6/2009	1/12/2009	1/20/2009	1/26/2009	2/2/2009	2/10/2009	2/17/2009
Rainfall:	No measureable precipitation.	10/18 (0.02")	11/4 (0.13") 11/5 (0.11") 11/6 (0.01") 11/7 (0.01") 11/8 (0.02")	11/12 (0.01") 11/13 (0.80") 11/14 (0.01") 11/15 (0.75") 11/17 (0.01")	11/24 (0.1")	11/30 (0.69") 12/1 (0.02")	12/04 (0.03") 12/06 (0.05")	12/9 (0.01") 12/10 (0.15") 12/11 (1.44") 12/12 (0.08") 12/15 (0.04") 12/16 (0.59")	12/17 (0.12") 12/19 (0.56") 12/21 (0.05")	12/24 (0.02") 12/26 (0.03")	1/6 (0.48")	1/7 (1.37") 1/10 (0.11") 1/11 (0.08")	1/19 (0.21")	No measureable precipitation.	1/27 (0.30") 1/28 (0.38")	2/3 (0.04") 2/4 (0.08") 2/11 (0.08")	2/11 (0.08")
Barometric Pressure (inches):	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent Points																	
Vent-1 (TR-1)	0	0	1,000	2,500	0	0	0	0	0	0	0	0	0	0	0	1,000	1,000
Vent-2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-4 (TR-3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,000	1,000	0
Vent-5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-7 (TR-7)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,000	1,000
Vent-8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-11 (TR-11)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,000	0
Vent-12	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-13	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vapor Extraction Points																	
VE-A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,000	0
VE-B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,000	1,000	0
VE-C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,000	0
VE-D	0	0	3,000	1,000	0	0	0	0	0	0	0	0	0	0	0	0	0
VE-E	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,000	0
VE-F	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,000	0
Monitoring Wells																	
MW-1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-11	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
RI Soil Gas Points																	
SG-50	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-82S	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-82M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-82D	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-84S	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-84M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-84D	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Miscellaneous																	
Blower	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,000	0

Appendix B1
Historical In-Situ Soil Gas Monitoring Data (2006 - 2014)
FGGM 93 Manor View Dump Site
Fort George G. Meade, Maryland

Date:	2/23/2009	3/3/2009	3/9/2009	3/16/2009	3/23/2009	3/30/2009	4/6/2009	4/13/2009	5/5/2009	5/12/2009	5/18/2009	5/26/2009	6/2/2009	6/8/2009	6/15/2009	6/22/2009	7/1/2009	7/7/2009
Rainfall:	2/18 (0.14")	2/27 (0.01") 2/28 (0.01") 3/1 (1.36") 3/2 (4.94")	No measureable precipitation.	3/15 (0.03") 3/16 (0.03")	3/17 (0.1") 3/19 (0.08")	3/26 (0.36") 3/27 (0.63") 3/28 (0.63") 3/29 (0.09")	4/1 (0.01") 4/2 (0.03") 4/3 (1.55") 4/6 (0.19")	4/11 (0.87") 4/13 (0.11")	4/29 (0.09") 5/1 (0.02") 5/2 (0.01") 5/3 (0.82") 5/4 (0.84") 5/5 (0.42")	5/6 (1.21") 5/7 (0.56") 5/9 (0.02") 5/11 (0.05")	5/6 (1.21") 5/7 (0.56") 5/9 (0.02") 5/11 (0.05") 5/14 (0.07")	5/25 (3.70")	05/26 (0.02") 05/28 (0.15") 05/29 (0.71") 05/30 (0.26")	6/3 (1.1") 6/4 (0.63") 6/5 (0.64")	6/9 (0.38") 6/10 (0.31") 6/11 (0.16") 6/13 (0.26")	6/17 (0.16") 6/18 (1.77") 6/20 (0.32")	No measureable precipitation.	07/1 (0.10")
Barometric Pressure (inches):	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vapor Monitoring Points																		
VMP-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-3	0	0	0	2,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-4	0	0	0	35,000	0	0	0	0	0	0	0	0	4,000	0	0	0	0	0
VMP-5	0	0	0	0	0	0	0	0	0	0	0	6,000	0	0	4,000	0	0	0
VMP-6	0	0	0	0	0	0	0	0	1,000	5,000	0	0	0	13,000	0	0	0	0
VMP-7	0	0	0	0	0	0	0	0	**145,000**	**179,000**	0	**53,000**	**356,000**	**178,000**	0	**192,000**	0	0
VMP-8	0	0	**63,000**	**123,000**	43,000	40,000	0	0	**511,000**	**527,000**	**518,000**	**699,000**	**535,000**	**251,000**	**523,000**	**583,000**	**467,000**	**230,000**
VMP-9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**153,000**
VMP-10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,000	0	0	0
VMP-12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-21	0	13,000	0	0	27,000	31,000	11,000	10,000	**94,000**	**71,000**	0	22,000	**53,000**	13,000	0	0	49,000	**457,000**
VMP-22	42,000	40,000	35,000	12,000	13,000	10,000	38,000	42,000	**227,000**	**113,000**	**122,000**	21,000	**65,000**	45,000	**155,000**	**146,000**	**73,000**	**321,000**
VMP-23	0	10,000	**56,000**	22,000	21,000	0	8,000	11,000	**180,000**	**171,000**	**281,000**	0	37,000	**53,000**	**135,000**	**328,000**	**414,000**	**198,000**
VMP-24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37,000	37,000
VMP-27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**71,000**	0	0	0
VMP-28	0	0	0	0	0	0	0	0	0	0	0	**112,000**	11,000	0	0	0	0	0
VMP-29	0	0	0	0	0	0	0	0	0	0	0	11,000	15,000	0	17,000	0	0	0
VMP-30	17,000	13,000	6,000	0	2,000	0	15,000	12,000	25,000	0	**181,000**	0	0	0	**180,000**	27,000	**214,000**	0
VMP-31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19,000	0	**210,000**	0
VMP-32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,000	0
VMP-33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-34	0	0	0	0	0	0	0	0	5,000	1,000	0	0	0	0	0	0	0	0
VMP-35	0	0	0	0	0	0	0	0	3,000	4,000	0	0	0	0	0	0	0	0
VMP-36	3,000	2,000	0	0	0	0	0	0	1,000	11,000	0	1,000	35,000	0	0	0	0	0
VMP-37	0	0	0	0	0	0	0	0	1,000	1,000	0	1,000	15,000	0	7,000	0	0	0
VMP-38	0	0	0	0	0	0	0	0	0	0	2,000	0	8,000	0	0	2,000	5,000	5,000
VMP-39	0	0	0	0	0	0	0	0	**75,000**	0	0	33,000	0	0	0	0	0	---
VMP-40	---	---	---	---	---	---	---	---	---	---	---	0	---	---	---	---	---	---
VMP-41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	---
VMP-42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-43	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monitoring Points																		
MP-A	0	0	0	0	0	0	0	0	**70,000**	3,000	48,000	21,000	50,000	0	**55,000**	13,000	21,000	21,000
MP-B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MP-C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MP-D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MP-E	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MP-F	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MP-G	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix B1
Historical In-Situ Soil Gas Monitoring Data (2006 - 2014)
FGGM 93 Manor View Dump Site
Fort George G. Meade, Maryland

Date:	2/23/2009	3/3/2009	3/9/2009	3/16/2009	3/23/2009	3/30/2009	4/6/2009	4/13/2009	5/5/2009	5/12/2009	5/18/2009	5/26/2009	6/2/2009	6/8/2009	6/15/2009	6/22/2009	7/1/2009	7/7/2009
Rainfall:	2/18 (0.14")	2/27 (0.01") 2/28 (0.01") 3/1 (1.36") 3/2 (4.94")	No measureable precipitation.	3/15 (0.03") 3/16 (0.03")	3/17 (0.1") 3/19 (0.08")	3/26 (0.36") 3/27 (0.63") 3/28 (0.63") 3/29 (0.09")	4/1 (0.01") 4/2 (0.03") 4/3 (1.55") 4/6 (0.19")	4/11 (0.87") 4/13 (0.11")	4/29 (0.09") 5/1 (0.02") 5/2 (0.01") 5/3 (0.82") 5/4 (0.84") 5/5 (0.42")	5/6 (1.21") 5/7 (0.56") 5/9 (0.02") 5/11 (0.05")	5/6 (1.21") 5/7 (0.56") 5/9 (0.02") 5/11 (0.05") 5/14 (0.07")	5/25 (3.70")	05/26 (0.02") 05/28 (0.15") 05/29 (0.71") 05/30 (0.26")	6/3 (1.1") 6/4 (0.63") 6/5 (0.64")	6/9 (0.38") 6/10 (0.31") 6/11 (0.16") 6/13 (0.26")	6/17 (0.16") 6/18 (1.77") 6/20 (0.32")	No measureable precipitation.	07/1 (0.10")
Barometric Pressure (inches):	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent Points																		
Vent-1 (TR-1)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Vent-2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-4 (TR-3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Vent-5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-7 (TR-7)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Vent-8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-11 (TR-11)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Vent-12	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-13	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vapor Extraction Points																		
VE-A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VE-B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VE-C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,000	0
VE-D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VE-E	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VE-F	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monitoring Wells																		
MW-1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-11	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
RI Soil Gas Points																		
SG-50	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-82S	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-82M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-82D	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-84S	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-84M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-84D	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Miscellaneous																		
Blower	0	0	0	0	0	0	0	0	0	0	0	0	**90,000**	0	0	0	0	0

Appendix B1
Historical In-Situ Soil Gas Monitoring Data (2006 - 2014)
FGGM 93 Manor View Dump Site
Fort George G. Meade, Maryland

Date:	7/13/2009	7/20/2009	7/27/2009	8/3/2009	8/10/2009	8/17/2009	8/24/2009	8/31/2009	9/7/2009	9/14/2009	9/21/2009	9/28/2009	10/5/2009	10/12/2009	10/19/2009	10/26/2009
Rainfall:	No measureable precipitation.	7/17 (0.05")	7/23 (0.43") 7/25 (0.47") 7/26 (0.12")	7/28 (0.73") 7/29 (0.31") 7/31 (1.17") 8/1 (0.13") 8/2 (0.15")	8/6 (0.05")	8/10 (0.71") 8/13 (0.31")	8/18 (0.13") 8/19 (0.04") 8/21 (1.04") 8/22 (0.66")	8/28 (1.5") 8/29 (0.03") 8/30 (0.01")	9/06 (0.01")	9/07 (0.25") 9/11 (1.71") 9/12 (0.01")	9/16 (0.04") 9/17 (0.03")	9/24 (0.02") 9/25 (0.03") 9/26 (0.94") 9/27 (0.37")	10/2 (0.08")	10/7 (0.02") 10/9 (0.02")	10/14 (0.04") 10/15 (0.5") 10/16 (0.48") 10/17 (1.49") 10/18 (0.68")	10/23 (0.04") 10/24 (0.96")
Barometric Pressure (inches):	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vapor Monitoring Points																
VMP-1	1,000	0	0	0	**393,000**	**205,000**	13,000	0	0	34,000	**OVER RANGE**[(2)]	**477,000**	0	0	0	0
VMP-2	0	0	0	0	**92,000**	0	0	0	0	0	0	0	0	0	0	0
VMP-3	1,000	0	0	0	0	0	0	0	0	0	0	0	0	0	**OVER RANGE**[(2)]	0
VMP-4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-5	0	0	0	0	0	0	0	0	0	0	0	8,000	26,000	20,000	0	0
VMP-6	0	0	49,000	42,000	0	0	0	0	0	0	0	0	0	0	0	7,000
VMP-7	4,000	23,000	**157,000**	**83,000**	0	0	0	0	0	**137,000**	**127,000**	**483,000**	**57,000**	50,000	**117,000**	0
VMP-8	**282,000**	**282,000**	**201,000**	**197,000**	**150,000**	**287,000**	**468,000**	**398,000**	**483,000**	**491,000**	**OVER RANGE**[(2)]	**460,000**	**693,000**	**604,000**	**156,000**	26,000
VMP-9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-21	**176,000**	**189,000**	**189,000**	**203,000**	0	**198,000**	0	0	0	0	**320,000**	0	0	0	0	0
VMP-22	**205,000**	**190,000**	**190,000**	**224,000**	0	**213,000**	0	**104,000**	**105,000**	0	**127,000**	3,000	**208,000**	**183,000**	0	0
VMP-23	**191,000**	**201,000**	**201,000**	**216,000**	2,000	**377,000**	**493,000**	**445,000**	**84,000**	**533,000**	**OVER RANGE**[(2)]	**451,000**	**582,000**	**356,000**	**235,000**	14,000
VMP-24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-26	0	0	0	0	4,000	0	0	0	0	0	0	0	0	0	0	0
VMP-27	0	0	0	0	4,000	3,000	0	0	0	0	0	0	0	0	0	1,000
VMP-28	0	0	0	0	1,000	0	3,000	0	0	0	0	0	0	0	0	0
VMP-29	0	0	0	0	1,000	0	2,000	---	0	0	0	0	0	0	0	0
VMP-30	0	0	0	0	**72,000**	**228,000**	0	0	0	**293,000**	**269,000**	**198,000**	**631,000**	**401,000**	0	22,000
VMP-31	4,000	0	0	0	**57,000**	0	0	0	0	**65,000**	0	27,000	0	0	0	0
VMP-32	0	0	0	0	2,000	0	0	0	0	0	0	0	0	0	0	0
VMP-33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-34	1,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-35	1,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-36	0	0	0	0	6,000	4,000	0	5,000	0	8,400	0	0	0	0	0	0
VMP-37	0	0	0	0	3,000	0	2,000	0	0	0	0	0	0	0	0	0
VMP-38	0	0	0	0	0	0	1,000	---	0	0	0	0	0	0	0	0
VMP-39	---	---	---	---	---	---	---	0	0	0	0	0	0	0	0	0
VMP-40	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VMP-41	---	---	---	---	---	---	0	0	0	0	0	0	0	0	0	0
VMP-42	0	0	0	0	5,000	0	0	0	0	0	0	0	0	0	0	0
VMP-43	0	0	0	0	0	0	0	0	0	7,000	0	2,000	17,000	0	0	0
Monitoring Points																
MP-A	0	0	28,000	0	0	0	0	0	0	0	0	0	0	11,000	2,000	1,000
MP-B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,000	0
MP-C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MP-D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MP-E	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MP-F	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MP-G	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix B1
Historical In-Situ Soil Gas Monitoring Data (2006 - 2014)
FGGM 93 Manor View Dump Site
Fort George G. Meade, Maryland

Date:	7/13/2009	7/20/2009	7/27/2009	8/3/2009	8/10/2009	8/17/2009	8/24/2009	8/31/2009	9/7/2009	9/14/2009	9/21/2009	9/28/2009	10/5/2009	10/12/2009	10/19/2009	10/26/2009
Rainfall:	No measureable precipitation.	7/17 (0.05")	7/23 (0.43") 7/25 (0.47") 7/26 (0.12")	7/28 (0.73") 7/29 (0.31") 7/31 (1.17") 8/1 (0.13") 8/2 (0.15")	8/6 (0.05")	8/10 (0.71") 8/13 (0.31")	8/18 (0.13") 8/19 (0.04") 8/21 (1.04") 8/22 (0.66")	8/28 (1.5") 8/29 (0.03") 8/30 (0.01")	9/06 (0.01")	9/07 (0.25") 9/11 (1.71") 9/12 (0.01")	9/16 (0.04") 9/17 (0.03")	9/24 (0.02") 9/25 (0.03") 9/26 (0.94") 9/27 (0.37")	10/2 (0.08")	10/7 (0.02") 10/9 (0.02")	10/14 (0.04") 10/15 (0.5") 10/16 (0.48") 10/17 (1.49") 10/18 (0.68")	10/23 (0.04") 10/24 (0.96")
Barometric Pressure (inches):	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent Points																
Vent-1 (TR-1)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Vent-2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-4 (TR-3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Vent-5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-7 (TR-7)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Vent-8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-11 (TR-11)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Vent-12	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-13	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vapor Extraction Points																
VE-A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VE-B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VE-C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VE-D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VE-E	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VE-F	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monitoring Wells																
MW-1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-11	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
RI Soil Gas Points																
SG-50	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-82S	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-82M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-82D	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-84S	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-84M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-84D	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Miscellaneous																
Blower	0	0	0	0	0	10,000	0	0	0	0	0	0	0	0	0	0

Appendix B1
Historical In-Situ Soil Gas Monitoring Data (2006 - 2014)
FGGM 93 Manor View Dump Site
Fort George G. Meade, Maryland

Date:	11/2/2009	11/9/2009	11/16/2009	11/23/2009	11/30/2009	12/7/2009	12/14/2009	12/21/2009	12/28/2009	1/4/2010	1/11/2010	1/18/2010	1/25/2010	2/1/2010	2/8/2010	2/15/2010
Rainfall:	10/27 (1.06") 10/28 (0.84") 10/31 (0.03") 11/1 (0.41")	No measureable precipitation.	11/11 (0.67" 11/12 (0.57") 11/13 (0.41") 11/14 (0.09")	11/19 (0.78") 11/20 (0.21")	11/23 (0.39") 11/24 (0.96") 11/25 (0.21") 11/27 (0.02")	11/30 (0.22") 12/2 (0.59") 12/3 (0.53") 12/5 (0..85")	12/8 (0.3") 12/9 (1.4") 12/13 (0.67")	12/18 (0.03") 12/19 (1.54")	12/25 (0.73") 12/26 (1.02")	12/31 (0.39") 1/1 (0.03")	1/7 (0.01") 1/8 (0.07")	1/17 (0.75")	1/20 (.07") 1/21 (0.07") 1/22 (0.06") 1/24 (0.41")	1/30 (0.43")	2/2 (0.25") 2/3 (0.08") 2/5 (0.55") 2/6 (1.58")	2/9 (0.39") 2/10 (0.55")
Barometric Pressure (inches):	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vapor Monitoring Points																
VMP-1	0	0	0	0	3,000	**68,000**	0	0	0	0	0	0	0	0	0	0
VMP-2	0	0	0	0	**151,000**	0	0	0	0	0	0	0	0	0	0	0
VMP-3	0	0	0	0	**128,000**	0	0	0	0	0	0	0	0	0	0	0
VMP-4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-5	0	0	0	0	0	0	0	0	0	0	0	8,000	0	0	0	0
VMP-6	3,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-7	19,000	**52,000**	49,000	12,000	5,000	0	2,000	2,000	0	0	0	0	4,000	**67,000**	0	0
VMP-8	**202,000**	**72,000**	**63,000**	40,000	16,000	0	0	0	0	0	0	**139,000**	29,000	0	0	1,000
VMP-9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-11	0	0	0	0	0	4,000	0	20,000	0	0	0	0	0	0	0	10,000
VMP-12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-21	0	0	0	0	41,000	0	**95,000**	0	0	0	**123,000**	0	0	0	0	0
VMP-22	0	**69,000**	**83,000**	0	**52,000**	0	0	0	0	0	0	0	0	0	0	0
VMP-23	0	**516,000**	**459,000**	**566,000**	**119,000**	**195,000**	**367,000**	**240,000**	0	27,000	**152,000**	0	0	0	0	**61,000**
VMP-24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	---	---
VMP-26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-30	0	**129,000**	12,000	0	2,000	0	0	0	0	0	13,000	**279,000**	4,000	**387,000**	4,000	**322,000**
VMP-31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-36	0	0	0	0	0	0	0	0	0	0	0	0	0	2,000	0	0
VMP-37	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-38	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-40	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VMP-41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	---	---
VMP-43	0	0	0	0	1,000	0	0	0	0	0	0	0	0	0	---	---
Monitoring Points																
MP-A	0	0	0	0	0	0	0	1,000	**107,000**	**67,000**	22,000	5,000	0	0	11,000	20,000
MP-B	0	0	0	0	0	0	44,000	0	0	0	0	0	0	0	0	0
MP-C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MP-D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	---	0
MP-E	0	0	0	0	0	0	0	0	0	0	0	0	0	0	---	0
MP-F	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MP-G	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix B1
Historical In-Situ Soil Gas Monitoring Data (2006 - 2014)
FGGM 93 Manor View Dump Site
Fort George G. Meade, Maryland

Date:	11/2/2009	11/9/2009	11/16/2009	11/23/2009	11/30/2009	12/7/2009	12/14/2009	12/21/2009	12/28/2009	1/4/2010	1/11/2010	1/18/2010	1/25/2010	2/1/2010	2/8/2010	2/15/2010
Rainfall:	10/27 (1.06") 10/28 (0.84") 10/31 (0.03") 11/1 (0.41")	No measureable precipitation.	11/11 (0.67" 11/12 (0.57") 11/13 (0.41") 11/14 (0.09")	11/19 (0.78") 11/20 (0.21")	11/23 (0.39") 11/24 (0.96") 11/25 (0.21") 11/27 (0.02")	11/30 (0.22") 12/2 (0.59") 12/3 (0.53") 12/5 (0..85")	12/8 (0.3") 12/9 (1.4") 12/13 (0.67")	12/18 (0.03") 12/19 (1.54")	12/25 (0.73") 12/26 (1.02")	12/31 (0.39") 1/1 (0.03")	1/7 (0.01") 1/8 (0.07")	1/17 (0.75")	1/20 (.07") 1/21 (0.07") 1/22 (0.06") 1/24 (0.41")	1/30 (0.43")	2/2 (0.25") 2/3 (0.08") 2/5 (0.55") 2/6 (1.58")	2/9 (0.39") 2/10 (0.55")
Barometric Pressure (inches):	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent Points																
Vent-1 (TR-1)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	---	---
Vent-2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-4 (TR-3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Vent-5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-7 (TR-7)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	---	---
Vent-8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-11 (TR-11)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Vent-12	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-13	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vapor Extraction Points																
VE-A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VE-B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VE-C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VE-D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VE-E	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VE-F	0	0	0	0	0	0	28,000	3,000	43,000	6,000	3,000	0	0	2,000	0	1,000
Monitoring Wells																
MW-1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-11	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
RI Soil Gas Points																
SG-50	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-82S	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-82M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-82D	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-84S	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-84M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-84D	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Miscellaneous																
Blower	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix B1
Historical In-Situ Soil Gas Monitoring Data (2006 - 2014)
FGGM 93 Manor View Dump Site
Fort George G. Meade, Maryland

Date:	2/22/2010	3/1/2010	3/8/2010	3/15/2010	3/22/2010	3/29/2010	4/5/2010	4/12/2010	4/19/2010	4/26/2010	5/4/2010	5/11/2010	5/17/2010	5/24/2010	6/1/2010	6/7/2010	6/14/2010	6/21/2010
Rainfall:	2/15 (0.03")	2/22 (0.28") 2/25 (0.01") 2/26 (0.01")	3/2 (0.10")	3/12 (0.98") 3/13 (2.31") 3/14 (0.32")	3/15 (0.08")	3/22 (0.5") 3/25 (0.05") 3/26 (0.24") 3/28 (0.54")	3/29 (0.23") 3/30 (0.18")	4/8 (0.61") 4/9 (0.07")	4/13 (0.08")	4/21 (0.35") 4/24 (0.02") 4/25 (0.99")	No measureable precipitation.	5/4 (0.02")	5/11 (0.27"). 5/12 (0.55"). 5/14 (0.08")	5/17 (0.39") 5/18 (0.35") 5/22 (0.36") 5/23 (0.34")	5/27 (0.36") 5/28 (0.01")	6/1 (0.05") 6/3 (0.28") 6/6 (0.33")	6/8 (0.12")	6/15 (0.05") 6/16 (0.42")
Barometric Pressure (inches):	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vapor Monitoring Points																		
VMP-1	0	0	0	0	3,000	**58,000**	4,000	0	0	0	10,000	0	0	0	4,000	0	0	0
VMP-2	0	0	0	0	**110,000**	**71,000**	**147,000**	0	0	0	0	0	0	0	0	0	1,000	0
VMP-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,000	1,000	0
VMP-4	0	0	0	0	0	0	1,000	0	0	0	0	0	14,000	0	0	1,000	1,000	0
VMP-5	0	0	0	0	0	2,000	0	0	0	0	0	0	0	0	0	1,000	0	0
VMP-6	0	0	0	16,000	0	25,000	33,000	0	0	0	0	0	0	0	0	1,000	0	0
VMP-7	0	0	**164,000**	**286,000**	**231,000**	**70,000**	**249,000**	0	31,000	0	1,000	1,000	3,000	2,000	2,000	2,000	4,000	2,000
VMP-8	3,000	0	0	**77,000**	**166,000**	**221,000**	0	**278,000**	**472,000**	**411,000**	**531,000**	**330,000**	**451,000**	**457,000**	**311,000**	**427,000**	**483,000**	**341,000**
VMP-9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,000	1,000	0
VMP-10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,000	1,000	0
VMP-11	7,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,000	1,000	0
VMP-12	0	0	0	0	0	0	0	0	0	0	1,000	0	2,000	1,000	0	2,000	1,000	0
VMP-21	0	0	0	0	0	**348,000**	**198,000**	0	**231,000**	0	1,000	4,000	17,000	27,000	**273,000**	7,000	9,000	11,000
VMP-22	0	0	0	0	0	0	1,000	0	0	0	7,000	1,000	**81,000**	48,000	8,000	21,000	47,000	1,000
VMP-23	**147,000**	0	**213,000**	**372,000**	**441,000**	**260,000**	**381,000**	**175,000**	**252,000**	**420,000**	**481,000**	**482,000**	29,000	**125,000**	**468,000**	**107,000**	**444,000**	**448,000**
VMP-24	0	0	0	0	0	0	0	0	0	0	0	3,000	1,000	1,000	1,000	1,000	0	0
VMP-25	0	0	0	0	0	0	0	0	0	0	0	6,000	1,000	1,000	1,000	1,000	0	0
VMP-26	0	0	0	0	0	0	0	0	0	0	0	3,500	0	0	0	1,000	0	0
VMP-27	0	0	0	0	0	1,000	0	0	0	1,000	4,000	0	0	0	0	1,000	0	0
VMP-28	0	0	0	0	0	1,000	---	0	0	0	0	0	0	0	0	1,000	0	0
VMP-29	0	0	0	0	0	0	---	---	0	0	0	0	0	0	1,000	1,000	0	0
VMP-30	35,000	**332,000**	**304,000**	3,000	7,000	**226,000**	**152,000**	4,000	**76,000**	**349,000**	**135,000**	**87,000**	12,000	22,000	**81,000**	28,000	**91,000**	**123,000**
VMP-31	0	0	0	0	0	0	3,000	0	16,000	0	0	32,000	9,000	0	39,000	1,000	**76,000**	45,000
VMP-32	0	0	0	0	0	0	0	0	0	0	0	22,000	0	0	1,000	1,000	0	16,000
VMP-33	0	0	0	0	0	0	0	0	0	0	1,000	0	0	0	6,000	1,000	0	0
VMP-34	0	0	0	0	0	0	0	0	0	0	0	0	1,000	1,000	10,000	4,000	0	0
VMP-35	0	0	0	0	0	0	0	0	0	0	0	1,000	5,000	4,000	**55,000**	2,000	0	0
VMP-36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,000	2,000	0
VMP-37	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4,000	8,000	0
VMP-38	0	0	0	0	0	1,000	---	---	0	0	0	0	0	0	0	3,000	23,000	0
VMP-39	0	0	0	0	0	0	0	0	0	0	1,000	0	0	0	0	1,000	0	0
VMP-40	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VMP-41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19,000	0	0
VMP-42	---	---	0	0	0	0	0	---	0	0	1,000	2,000	0	18,000	1,000	3,000	0	9,000
VMP-43	---	---	0	0	0	0	0	---	0	0	0	0	0	0	0	0	0	3,000
Monitoring Points																		
MP-A	5,000	**59,000**	**62,000**	**59,000**	28,000	5,000	11,000	0	11,000	8,000	15,000	0	0	0	0	0	0	0
MP-B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,000	0	0
MP-C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MP-D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MP-E	0	0	0	0	0	0	0	0	0	0	0	1,000	0	3,000	0	0	0	0
MP-F	0	0	0	0	0	0	0	0	0	0	0	0	4,000	0	0	1,000	0	0
MP-G	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,000	0

Appendix B1
Historical In-Situ Soil Gas Monitoring Data (2006 - 2014)
FGGM 93 Manor View Dump Site
Fort George G. Meade, Maryland

Date:	2/22/2010	3/1/2010	3/8/2010	3/15/2010	3/22/2010	3/29/2010	4/5/2010	4/12/2010	4/19/2010	4/26/2010	5/4/2010	5/11/2010	5/17/2010	5/24/2010	6/1/2010	6/7/2010	6/14/2010	6/21/2010
Rainfall:	2/15 (0.03")	2/22 (0.28") 2/25 (0.01") 2/26 (0.01")	3/2 (0.10")	3/12 (0.98") 3/13 (2.31") 3/14 (0.32")	3/15 (0.08")	3/22 (0.5") 3/25 (0.05") 3/26 (0.24") 3/28 (0.54")	3/29 (0.23") 3/30 (0.18")	4/8 (0.61") 4/9 (0.07")	4/13 (0.08")	4/21 (0.35") 4/24 (0.02") 4/25 (0.99")	No measureable precipitation.	5/4 (0.02")	5/11 (0.27"). 5/12 (0.55"). 5/14 (0.08")	5/17 (0.39") 5/18 (0.35") 5/22 (0.36") 5/23 (0.34")	5/27 (0.36") 5/28 (0.01")	6/1 (0.05") 6/3 (0.28") 6/6 (0.33")	6/8 (0.12")	6/15 (0.05") 6/16 (0.42")
Barometric Pressure (inches):	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent Points																		
Vent-1 (TR-1)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,000	2,000	0
Vent-2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-4 (TR-3)	0	0	0	0	0	0	0	0	0	0	1,000	0	0	0	0	3,000	---	---
Vent-5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-7 (TR-7)	0	0	0	0	0	0	0	0	0	0	1,000	0	0	0	0	1,000	---	---
Vent-8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-11 (TR-11)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	---	---	---
Vent-12	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-13	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vapor Extraction Points																		
VE-A	0	0	0	0	0	0	2,000	0	0	0	0	0	0	0	0	0	1,000	0
VE-B	2,000	0	0	4,000	3,000	1,000	0	0	2,000	0	1,000	0	0	0	0	0	3,000	2,000
VE-C	0	0	0	0	0	0	1,000	0	0	2,000	0	0	0	0	0	0	0	0
VE-D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VE-E	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,000	0
VE-F	1,000	6,000	4,000	3,000	6,000	8,000	0	0	0	0	0	0	0	0	0	0	0	0
Monitoring Wells																		
MW-1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-11	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
RI Soil Gas Points																		
SG-50	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-82S	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-82M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-82D	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-84S	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-84M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-84D	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Miscellaneous																		
Blower	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,000	0

Appendix B1
Historical In-Situ Soil Gas Monitoring Data (2006 - 2014)
FGGM 93 Manor View Dump Site
Fort George G. Meade, Maryland

Date:	6/28/2010	7/6/2010	7/12/2010	7/19/2010	7/26/2010	8/2/2010	8/9/2010	8/16/2010	8/23/2010	8/30/2010	9/7/2010	9/13/2010	9/20/2010	9/27/2010	10/4/2010	10/11/2010	10/18/2010	10/25/2010
Rainfall:	6/22 (0.45") 6/24 (0.01")	6/28 (0.57")	7/09 (0.26") 7/10 (0.32")	7/12 (0.89") 7/13 (1.13") 7/14 (0.03") 7/16 (0.25") 7/18 (0.31")	7/25 (0.37")	7/29 (0.13") 7/31 (0.03") 8/1 (0.12")	8/5 (0.12")	8/11 (0.84") 8/12 (1.71") 8/13 (0.02") 8/15 (0.31")	8/17 (1.11") 8/18 (0.80") 8/22 (0.16")	8/23 (0.87")	No measureable precipitation.	9/11 (0.58") 9/12 (0.40")	9/16 (0.16")	9/22 (0.14") 9/26 (0.16")	9/27 (0.13") 9/29 (2.08") 9/30 (2.73") 10/3 (0.53")	10/4 (0.53")	10/11 (0.20")	10/18 (0.12") 10/20 (0.01")
Barometric Pressure (inches):	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vapor Monitoring Points																		
VMP-1	0	0	0	**419,000**	**410,000**	**417,000**	**422,000**	**441,000**	0	0	0	13,000	4,000	13,000	21,000	0	0	0
VMP-2	0	0	**148,000**	**352,000**	**306,000**	**385,000**	**428,000**	**432,000**	0	0	0	0	0	0	0	0	0	0
VMP-3	0	0	0	0	0	2,000	2,000	2,000	0	0	0	0	0	0	0	0	0	0
VMP-4	0	0	0	0	1,000	1,000	0	0	0	0	0	0	0	0	0	0	0	0
VMP-5	0	0	0	**377,000**	3,000	0	0	7,000	0	0	0	0	0	0	0	0	0	0
VMP-6	0	0	0	0	1,000	0	1,000	0	0	0	0	0	0	0	0	0	0	0
VMP-7	0	0	0	**66,000**	**262,000**	2,000	3	**400,000**	0	2,000	1,000	2,000	0	9,000	2,000	0	0	0
VMP-8	**113,000**	**100,000**	**71,000**	**237,000**	**464,000**	**377,000**	**446,000**	**186,000**	**177,000**	**258,000**	**408,000**	**416,000**	**135,000**	41,000	16,000	**275,000**	0	**468,000**
VMP-9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-21	1,000	**68,000**	**61,000**	29,000	2,000	**156,000**	**138,000**	**91,000**	0	**123,000**	28,000	**146,000**	21,000	0	0	9,000	8,000	**239,000**
VMP-22	1,000	34,000	13,000	35,000	8,000	33,000	13,000	33,000	**316,000**	**98,000**	0	**54,000**	**77,000**	0	0	**58,000**	**71,000**	17,000
VMP-23	**415,000**	**425,000**	**356,000**	**380,000**	**432,000**	**356,000**	**148,000**	**324,000**	**456,000**	**466,000**	0	**254,000**	**59,000**	49,000	**112,000**	**148,000**	**475,000**	**475,000**
VMP-24	0	1,000	0	0	0	0	---	0	0	0	0	0	0	0	0	0	0	0
VMP-25	0	1,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-26	0	2,000	0	1,000	0	5,000	0	0	0	0	0	0	0	0	0	0	0	0
VMP-27	0	2,000	0	0	0	14,000	0	0	0	0	0	0	0	0	0	0	0	0
VMP-28	0	0	0	0	0	3,000	0	0	0	0	0	0	0	0	0	0	0	0
VMP-29	0	0	1,000	10,000	0	5,000	0	0	0	0	0	0	0	0	0	0	0	0
VMP-30	1,000	15,000	**71,000**	4,000	**387,000**	5,000	**456,000**	**255,000**	0	**199,000**	35,000	**75,000**	13,000	0	0	0	0	41,000
VMP-31	**97,000**	2,000	**126,000**	0	2,000	**128,000**	**188,000**	**337,000**	0	48,000	0	0	0	0	0	0	0	0
VMP-32	0	0	0	0	0	34,000	0	0	0	0	0	0	0	0	0	0	0	0
VMP-33	0	6,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-34	0	10,000	0	2,000	0	0	0	1,000	0	0	0	0	0	0	0	0	0	0
VMP-35	0	24,000	0	10,000	0	0	0	5,000	0	0	0	0	0	0	0	0	0	0
VMP-36	0	0	2,000	0	1,000	7,000	0	0	1,000	0	0	0	0	0	0	0	0	0
VMP-37	0	0	4,000	0	0	11,000	0	0	2,000	0	0	0	0	0	0	0	0	0
VMP-38	0	0	7,000	0	0	17,000	1,000	0	0	0	0	0	0	0	0	0	0	0
VMP-39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-40	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VMP-41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-42	0	0	0	0	0	3,000	0	14,000	0	45,000	0	0	0	0	0	0	0	0
VMP-43	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monitoring Points																		
MP-A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MP-B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MP-C	0	0	0	0	0	0	0	1,000	0	0	0	0	0	0	0	0	0	0
MP-D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MP-E	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4,000	0	0
MP-F	1,000	3,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MP-G	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix B1
Historical In-Situ Soil Gas Monitoring Data (2006 - 2014)
FGGM 93 Manor View Dump Site
Fort George G. Meade, Maryland

Date:	6/28/2010	7/6/2010	7/12/2010	7/19/2010	7/26/2010	8/2/2010	8/9/2010	8/16/2010	8/23/2010	8/30/2010	9/7/2010	9/13/2010	9/20/2010	9/27/2010	10/4/2010	10/11/2010	10/18/2010	10/25/2010
Rainfall:	6/22 (0.45") 6/24 (0.01")	6/28 (0.57")	7/09 (0.26") 7/10 (0.32")	7/12 (0.89") 7/13 (1.13") 7/14 (0.03") 7/16 (0.25") 7/18 (0.31")	7/25 (0.37")	7/29 (0.13") 7/31 (0.03") 8/1 (0.12")	8/5 (0.12")	8/11 (0.84") 8/12 (1.71") 8/13 (0.02") 8/15 (0.31")	8/17 (1.11") 8/18 (0.80") 8/22 (0.16")	8/23 (0.87")	No measureable precipitation.	9/11 (0.58") 9/12 (0.40")	9/16 (0.16")	9/22 (0.14") 9/26 (0.16")	9/27 (0.13") 9/29 (2.08") 9/30 (2.73") 10/3 (0.53")	10/4 (0.53")	10/11 (0.20")	10/18 (0.12") 10/20 (0.01")
Barometric Pressure (inches):	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent Points																		
Vent-1 (TR-1)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Vent-2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-4 (TR-3)	---	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Vent-5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-7 (TR-7)	---	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Vent-8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-11 (TR-11)	---	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Vent-12	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-13	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vapor Extraction Points																		
VE-A	0	0	0	0	0	5,000	3,000	0	0	0	0	2,000	0	0	0	0	0	0
VE-B	2,000	2,000	2,000	2,000	1,000	1,000	1,000	0	**96,000**	**71,000**	31,000	0	0	0	0	0	**184,000**	**213,000**
VE-C	0	2,000	0	5,000	1,000	2,000	0	1,000	4,000	2,000	2,000	3,000	0	0	0	3,000	0	0
VE-D	0	0	0	0	0	1,000	0	0	0	0	0	0	0	0	0	0	0	0
VE-E	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VE-F	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monitoring Wells																		
MW-1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-11	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
RI Soil Gas Points																		
SG-50	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-82S	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-82M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-82D	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-84S	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-84M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-84D	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Miscellaneous																		
Blower	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3,000	0	0

Appendix B1
Historical In-Situ Soil Gas Monitoring Data (2006 - 2014)
FGGM 93 Manor View Dump Site
Fort George G. Meade, Maryland

Date:	11/1/2010	11/8/2010	11/15/2010	11/22/2010	11/29/2010	12/6/2010	12/13/2010	12/20/2010	12/27/2010	1/3/2011	1/10/2011	1/18/2011	1/24/2011	1/31/2011	2/7/2011	2/14/2011	2/23/2011	2/28/2011
Rainfall:	10/26 (0.46") 10/27 (0.58")	11/3 (0.58") 11/4 (0.66")	No measureable precipitation.	11/15 (0.24") 11/16 (0.40")	11/23 (0.02") 11/24 (0.04") 11/25 (0.02") 11/26 (0.01")	11/30 (0.15") 12/1 (0.84")	12/10 (0.01") 12/11 (0.45") 12/12 (1.03") 12/13 (0.03")	12/16 (0.04")	12/26 (0.01")	1/01 (0.02") 1/02 (0.13")	1/6 (0.02") 1/7 (0.02") 1/8 (0.01")	1/11 (0.18") 1/17 (0.49")	1/18 (0.17")	1/25 (0.26") 1/26 (1.24") 1/28 (0.04")	1/31 (0.06") 2/1 (0.70') 2/5 (0.08")	No measureable precipitation.	2/20 (0.03") 2/21 (0.17") 2/22 (0.07")	2/24 (0.11") 2/25 (0.46")
Barometric Pressure (inches):	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vapor Monitoring Points																		
VMP-1	0	0	0	0	0	0	**81,000**	0	0	0	0	0	0	0	0	0	0	0
VMP-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-3	0	0	0	0	0	0	0	0	14,000	0	0	0	0	0	0	0	0	0
VMP-4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-5	0	**54,000**	0	0	0	0	5,000	0	0	0	0	18,000	0	0	0	0	0	0
VMP-6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-7	0	**87,000**	0	0	0	0	**69,000**	0	0	0	0	0	0	0	0	0	0	0
VMP-8	**367,000**	0	0	0	0	0	**385,000**	0	0	0	0	0	0	0	0	0	1,000	8,000
VMP-9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-21	**189,000**	5,000	**121,000**	7,000	9,000	37,000	**71,000**	2,000	1,000	0	0	16,000	9,000	12,000	**58,000**	42,000	**76,000**	0
VMP-22	26,000	**503,000**	**238,000**	**198,000**	**205,000**	**256,000**	**236,000**	**149,000**	**253,000**	**149,000**	**75,000**	**223,000**	**322,000**	**336,000**	**356,000**	**438,000**	5,000	**255,000**
VMP-23	**398,000**	**366,000**	**275,000**	**149,000**	**74,000**	**174,000**	**219,000**	**79,000**	**298,000**	**302,000**	**57,000**	**278,000**	12,000	23,000	**55,000**	**289,000**	0	**309,000**
VMP-24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-30	5,000	0	**74,000**	0	**186,000**	**197,000**	0	30,000	1,000	0	8,000	0	7,000	12,000	6,000	0	**62,000**	0
VMP-31	0	0	**161,000**	0	21,000	**158,000**	0	**59,000**	16,000	7,000	41,000	5,000	43,000	4,000	3,000	2,000	0	5,000
VMP-32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-37	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-38	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-40	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VMP-41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-42	0	0	0	0	0	0	0	0	0	0	0	0	0	---	0	0	0	0
VMP-43	0	0	0	0	0	0	0	0	0	0	0	0	0	---	0	0	0	0
Monitoring Points																		
MP-A	0	45,000	0	0	0	0	0	**57,000**	**62,000**	0	0	6,000	0	0	0	17,000	0	0
MP-B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MP-C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MP-D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MP-E	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MP-F	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MP-G	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix B1
Historical In-Situ Soil Gas Monitoring Data (2006 - 2014)
FGGM 93 Manor View Dump Site
Fort George G. Meade, Maryland

Date:	11/1/2010	11/8/2010	11/15/2010	11/22/2010	11/29/2010	12/6/2010	12/13/2010	12/20/2010	12/27/2010	1/3/2011	1/10/2011	1/18/2011	1/24/2011	1/31/2011	2/7/2011	2/14/2011	2/23/2011	2/28/2011
Rainfall:	10/26 (0.46") 10/27 (0.58")	11/3 (0.58") 11/4 (0.66")	No measureable precipitation.	11/15 (0.24") 11/16 (0.40")	11/23 (0.02") 11/24 (0.04") 11/25 (0.02") 11/26 (0.01")	11/30 (0.15") 12/1 (0.84")	12/10 (0.01") 12/11 (0.45") 12/12 (1.03") 12/13 (0.03")	12/16 (0.04")	12/26 (0.01")	1/01 (0.02") 1/02 (0.13")	1/6 (0.02") 1/7 (0.02") 1/8 (0.01")	1/11 (0.18") 1/17 (0.49")	1/18 (0.17")	1/25 (0.26") 1/26 (1.24") 1/28 (0.04")	1/31 (0.06") 2/1 (0.70') 2/5 (0.08")	No measureable precipitation.	2/20 (0.03") 2/21 (0.17") 2/22 (0.07")	2/24 (0.11") 2/25 (0.46")
Barometric Pressure (inches):	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent Points																		
Vent-1 (TR-1)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Vent-2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-4 (TR-3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Vent-5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-7 (TR-7)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Vent-8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-11 (TR-11)	0	0	0	0	0	0	0	0	0	0	0	1,000	0	0	0	0	0	0
Vent-12	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-13	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vapor Extraction Points																		
VE-A	0	0	0	0	0	0	0	0	1,000	0	0	1,000	0	0	0	0	0	0
VE-B	**175,000**	0	**130,000**	0	4,000	3,000	6,000	1,000	0	0	0	8,000	0	6,000	0	0	0	0
VE-C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VE-D	0	0	0	0	0	0	0	1,000	0	0	2,000	2,000	0	0	0	0	0	0
VE-E	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VE-F	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monitoring Wells																		
MW-1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-11	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
RI Soil Gas Points																		
SG-50	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-82S	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-82M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-82D	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-84S	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-84M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-84D	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Miscellaneous																		
Blower	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix B1
Historical In-Situ Soil Gas Monitoring Data (2006 - 2014)
FGGM 93 Manor View Dump Site
Fort George G. Meade, Maryland

Date:	3/7/2011	3/14/2011	3/21/2011	3/28/2011	4/4/2011	4/11/2011	4/18/2011	4/25/2011	5/2/2011	5/9/2011	5/16/2011	5/23/2011	5/31/2011	6/7/2011	6/13/2011	6/20/2011	6/27/2011	7/5/2011
Rainfall:	2/28 (0.37") 3/6 (0.83)"	3/7 (0.01") 3/9 (0.56") 3/10 (1.65")	3/14 (0.52") 3/20 (0.13")	3/21 (0.21") 3/22 (0.03") 3/23 (0.28") 3/24 (0.02")	3/30 (0.18") 3/31 (0.16") 4/3 (0.03") 4/2 (0.05")	4/4 (0.25") 4/5 (0.19") 4/7 (0.05") 4/8 (0.27")	4/12 (0.47") 4/13 (0.06") 4/16 (1.29")	4/19 (0.09") 4/22 (0.28") 4/23 (0.02") 4/24 (0.04")	4/27 (0.03") 4/28 (0.08") 5/1 (0.06")	5/3 (0.46") 5/4 (0.16") 5/6 (0.10")	5/14 (0.52") 5/15 (0.11")	5/16 (0.18") 5/17 (0.38") 5/18 (0.12") 5/19 (0.22")	5/24 (0.02") 5/27 (0.05")	6/5 (0.1")	6/9 (0.03") 6/10 (0.03") 6/12 (0.25")	6/17 (0.18") 6/19 (0.19")	6/20 (0.03") 6/26 (0.01")	6/28 (0.30") 7/2 (0.60") 7/3 (0.05") 7/4 (0.04")
Barometric Pressure (inches):	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vapor Monitoring Points																		
VMP-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-5	0	0	0	0	0	0	0	0	0	0	0	0	0	2,000	0	0	0	0
VMP-6	0	0	0	0	0	1,000	0	0	0	0	0	0	0	1,000	0	0	0	0
VMP-7	0	0	0	0	0	0	0	0	0	0	0	0	0	1,000	0	0	0	0
VMP-8	**52,000**	**97,000**	**98,000**	**479,000**	**361,000**	**546,000**	**469,000**	**541,000**	**536,000**	**445,000**	**488,000**	**473,000**	**465,000**	0	**389,000**	**351,000**	**146,000**	**153,000**
VMP-9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-21	2,000	23,000	1,000	5,000	3,000	0	14,000	17,000	5,000	6,000	15,000	9,000	26,000	**400,000**	15,000	23,000	22,000	24,000
VMP-22	**342,000**	**189,000**	**403,000**	**333,000**	**322,000**	**435,000**	**408,000**	**477,000**	**449,000**	**456,000**	**468,000**	**468,000**	**434,000**	**377,000**	**363,000**	**396,000**	**367,000**	**411,000**
VMP-23	**66,000**	26,000	**306,000**	25,000	**190,000**	**215,000**	**61,000**	**412,000**	**251,000**	**316,000**	**423,000**	**435,000**	**436,000**	**413,000**	**417,000**	**412,000**	**435,000**	**457,000**
VMP-24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-26	0	0	0	2,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-30	0	0	0	7,000	4,000	7,000	**74,000**	**92,000**	**102,000**	**73,000**	**91,000**	**86,000**	**127,000**	34,000	**64,000**	**84,000**	**76,000**	0
VMP-31	0	0	0	7,000	8,000	3,000	11,000	10,000	**57,000**	8,000	2,000	6,000	**109,000**	20,000	8,000	49,000	2,000	**53,000**
VMP-32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-37	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-38	0	0	0	0	0	0	0	0	0	0	4,000	0	0	4,000	0	0	0	0
VMP-39	0	7,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-40	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VMP-41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-43	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monitoring Points																		
MP-A	0	0	10,000	0	0	6,000	0	0	0	0	0	0	0	0	0	0	0	0
MP-B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MP-C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MP-D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MP-E	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MP-F	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MP-G	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix B1
Historical In-Situ Soil Gas Monitoring Data (2006 - 2014)
FGGM 93 Manor View Dump Site
Fort George G. Meade, Maryland

Date:	3/7/2011	3/14/2011	3/21/2011	3/28/2011	4/4/2011	4/11/2011	4/18/2011	4/25/2011	5/2/2011	5/9/2011	5/16/2011	5/23/2011	5/31/2011	6/7/2011	6/13/2011	6/20/2011	6/27/2011	7/5/2011
Rainfall:	2/28 (0.37") 3/6 (0.83)"	3/7 (0.01") 3/9 (0.56") 3/10 (1.65")	3/14 (0.52") 3/20 (0.13")	3/21 (0.21") 3/22 (0.03") 3/23 (0.28") 3/24 (0.02")	3/30 (0.18") 3/31 (0.16") 4/3 (0.03") 4/2 (0.05")	4/4 (0.25") 4/5 (0.19") 4/7 (0.05") 4/8 (0.27")	4/12 (0.47") 4/13 (0.06") 4/16 (1.29")	4/19 (0.09") 4/22 (0.28") 4/23 (0.02") 4/24 (0.04")	4/27 (0.03") 4/28 (0.08") 5/1 (0.06")	5/3 (0.46") 5/4 (0.16") 5/6 (0.10")	5/14 (0.52") 5/15 (0.11")	5/16 (0.18") 5/17 (0.38") 5/18 (0.12") 5/19 (0.22")	5/24 (0.02") 5/27 (0.05")	6/5 (0.1")	6/9 (0.03") 6/10 (0.03") 6/12 (0.25")	6/17 (0.18") 6/19 (0.19")	6/20 (0.03") 6/26 (0.01")	6/28 (0.30") 7/2 (0.60") 7/3 (0.05") 7/4 (0.04")
Barometric Pressure (inches):	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent Points																		
Vent-1 (TR-1)	0	0	0	1,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Vent-2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-4 (TR-3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Vent-5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-7 (TR-7)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Vent-8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-11 (TR-11)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Vent-12	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-13	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vapor Extraction Points																		
VE-A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VE-B	0	0	2,000	0	0	2,000	0	4,000	9,000	0	0	4,000	0	7,000	0	4,000	0	0
VE-C	0	0	11,000	4,000	0	1,000	0	2,000	0	0	0	0	0	0	0	0	0	0
VE-D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VE-E	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VE-F	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monitoring Wells																		
MW-1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-11	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
RI Soil Gas Points																		
SG-50	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-82S	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-82M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-82D	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-84S	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-84M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-84D	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Miscellaneous																		
Blower	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix B1
Historical In-Situ Soil Gas Monitoring Data (2006 - 2014)
FGGM 93 Manor View Dump Site
Fort George G. Meade, Maryland

Date:	7/11/2011	7/18/2011	7/25/2011	8/1/2011	8/8/2011	8/15/2011	8/22/2011	8/29/2011	9/7/2011	9/12/2011	9/19/2011	9/26/2011	10/3/2011	10/11/2011	10/17/2011	10/24/2011	10/31/2011	11/7/2011
Rainfall:	7/7 (0.03") 7/8 (1.03")	7/11 (0.12") 7/13 (0.47")	7/19 (0.01") 7/24 (0.07")	7/25 (2.28")	8/1 (0.03") 8/3 (0.11") 8/6 (0.71") 8/7 (0.41")	8/9 (0.03") 8/13 (0.64") 8/14 (0.67")	8/15 (0.13") 8/16 (0.11") 8/18 (1.34") 8/19 (0.01") 8/21 (1.07")	8/25 (0.24") 8/27 (4.74") 8/28 (0.02")	9/1 (0.06") 9/3 (0.01") 9/4 (0.04") 9/5 (1.91") 9/6 (0.93")	9/7 (5.24") 9/8 (1.02") 9/9 (0.07") 9/11 (0.14")	9/15 (0.04")	9/20 (0.08") 9/21 (0.02") 9/22 (0.06") 9/23 (2.21")	9/28 (1.0") 9/29 (0.01") 10/1 (0.43") 10/2 (0.01")	10/3 (0.04")	10/12 (0.37") 10/13 (0.13") 10/14 (0.29")	10/19 (0.20")	10/25 (0.08") 10/26 (0.03") 10/27 (0.15")	10/31 (0.05")
Barometric Pressure (inches):	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vapor Monitoring Points																		
VMP-1	0	0	0	0	38,000	0	0	14,000	0	0	0	0	0	0	0	0	0	0
VMP-2	0	0	0	0	27,000	**443,000**	29,000	39,000	15,000	0	0	**143,000**	31,000	0	0	0	0	0
VMP-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-5	0	0	0	0	0	35,000	19,000	0	0	0	0	0	0	0	0	0	0	0
VMP-6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-7	0	0	0	0	14,000	0	0	4,000	0	0	0	0	0	0	0	0	0	0
VMP-8	12,000	**94,000**	**182,000**	**224,000**	**98,000**	**101,000**	**478,000**	**459,000**	**406,000**	**462,000**	**298,000**	**492,000**	**276,000**	**469,000**	**493,000**	**469,000**	3,000	**79,000**
VMP-9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-21	**88,000**	**75,000**	**61,000**	**77,000**	0	**130,000**	0	0	0	**61,000**	**237,000**	0	7,000	24,000	0	10,000	3,000	7,000
VMP-22	**321,000**	**414,000**	**447,000**	**415,000**	0	**440,000**	**464,000**	**469,000**	**356,000**	**113,000**	**427,000**	**101,000**	**140,000**	**272,000**	**151,000**	**71,000**	8,000	39,000
VMP-23	**434,000**	**459,000**	**453,000**	**441,000**	**159,000**	**468,000**	**458,000**	**481,000**	**394,000**	**486,000**	**480,000**	**486,000**	**533,000**	**371,000**	**182,000**	**134,000**	5,000	**73,000**
VMP-24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-29	0	0	0	0	0	0	0	7,000	0	0	0	0	0	0	0	0	0	0
VMP-30	41,000	**114,000**	**94,000**	**55,000**	0	3,000	6,000	0	0	6,000	**143,000**	30,000	**115,000**	10,000	**83,000**	**67,000**	0	0
VMP-31	2,000	0	0	5,000	0	4,000	4,400	4,000	8,000	0	37,000	0	4,000	24,000	36,000	12,000	0	0
VMP-32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-37	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-38	0	0	0	0	0	0	0	0	0	0	0	0	0	3,000	0	5,000	0	0
VMP-39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-40	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VMP-41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-43	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monitoring Points																		
MP-A	0	0	0	0	0	0	0	0	0	0	0	**97,000**	**169,000**	**133,000**	0	0	**58,000**	7,000
MP-B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MP-C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MP-D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MP-E	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MP-F	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MP-G	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix B1
Historical In-Situ Soil Gas Monitoring Data (2006 - 2014)
FGGM 93 Manor View Dump Site
Fort George G. Meade, Maryland

Date:	7/11/2011	7/18/2011	7/25/2011	8/1/2011	8/8/2011	8/15/2011	8/22/2011	8/29/2011	9/7/2011	9/12/2011	9/19/2011	9/26/2011	10/3/2011	10/11/2011	10/17/2011	10/24/2011	10/31/2011	11/7/2011
Rainfall:	7/7 (0.03") 7/8 (1.03")	7/11 (0.12") 7/13 (0.47")	7/19 (0.01") 7/24 (0.07")	7/25 (2.28")	8/1 (0.03") 8/3 (0.11") 8/6 (0.71") 8/7 (0.41")	8/9 (0.03") 8/13 (0.64") 8/14 (0.67")	8/15 (0.13") 8/16 (0.11") 8/18 (1.34") 8/19 (0.01") 8/21 (1.07")	8/25 (0.24") 8/27 (4.74") 8/28 (0.02")	9/1 (0.06") 9/3 (0.01") 9/4 (0.04") 9/5 (1.91") 9/6 (0.93")	9/7 (5.24") 9/8 (1.02") 9/9 (0.07") 9/11 (0.14")	9/15 (0.04")	9/20 (0.08") 9/21 (0.02") 9/22 (0.06") 9/23 (2.21")	9/28 (1.0") 9/29 (0.01") 10/1 (0.43") 10/2 (0.01")	10/3 (0.04")	10/12 (0.37") 10/13 (0.13") 10/14 (0.29")	10/19 (0.20")	10/25 (0.08") 10/26 (0.03") 10/27 (0.15")	10/31 (0.05")
Barometric Pressure (inches):	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent Points																		
Vent-1 (TR-1)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Vent-2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-4 (TR-3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Vent-5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-7 (TR-7)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Vent-8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-11 (TR-11)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Vent-12	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-13	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vapor Extraction Points																		
VE-A	0	0	0	0	0	0	15,000	0	0	0	0	0	0	0	0	0	0	0
VE-B	4,000	3,000	0	9,000	48,000	24,000	4,000	5,000	**82,000**	28,000	32,000	**106,000**	6,000	**54,000**	**231,000**	18,000	0	8,000
VE-C	0	0	0	0	0	0	0	0	0	5,000	0	0	4,000	0	0	3,000	6,000	0
VE-D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VE-E	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VE-F	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monitoring Wells																		
MW-1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-11	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
RI Soil Gas Points																		
SG-50	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-82S	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-82M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-82D	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-84S	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-84M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-84D	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Miscellaneous																		
Blower	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix B1
Historical In-Situ Soil Gas Monitoring Data (2006 - 2014)
FGGM 93 Manor View Dump Site
Fort George G. Meade, Maryland

Date:	11/14/2011	11/18/2011	11/28/2011	12/5/2011	12/12/2011	12/19/2011	12/27/2011	1/5/2012	1/9/2012	1/17/2012	1/23/2012	1/30/2012	2/6/2012	2/13/2012	2/21/2012	2/27/2012	3/5/2012	3/9/2012
Rainfall:	No measureable precipitation.	11/15 (0.06") 11/16 (0.28") 11/17 (0.07")	11/20 (0.16") 11/21 (0.03") 11/22 (0.90") 11/23 (0.01")	11/28 (0.01") 11/29 (0.34")	12/5 (0.06") 12/6 (0.7") 12/7 (2.05")	12/15 (0.02")	12/21 (0.1") 12/22 (0.88")	12/27 (0.71") 1/1 (0.03")	1/4 (0.08")	1/11 (1.11") 1/12 (0.09") 1/16 (0.07")	1/17 (0.11") 1/20 (0.27")	1/23 (0.06") 1/26 (0.02") 1/27 (0.53")	1/31 (0.06") 2/1 (0.06") 2/4 (0.06")	No measureable precipitation.	2/14 (0.02") 2/16 (0.22") 2/19 (0.01")	2/22 (0.01") 2/23 (0.01") 2/24 (0.25")	3/2 (0.62") 3/3 (0.02")	3/8 (0.01")
Barometric Pressure (inches):	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vapor Monitoring Points																		
VMP-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-8	46,000	13,000	**137,000**	25,000	**66,000**	0	11,000	0	0	4,000	0	0	0	0	0	0	0	0
VMP-9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-21	3,000	0	0	0	0	0	0	0	0	0	0	0	0	0	3,000	0	0	0
VMP-22	**152,000**	0	35,000	11,000	0	2,000	**72,000**	2,000	0	46,000	5,000	0	0	0	31,000	15,000	3,000	6,000
VMP-23	**231,000**	0	**129,000**	**57,000**	0	12,000	**157,000**	8,000	11,000	**152,000**	**55,000**	0	17,000	3,000	**77,000**	**72,000**	11,000	**68,000**
VMP-24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-29	0	0	0	0	0	0	0	0	0	0	0	6,000	0	0	0	0	0	0
VMP-30	0	0	**204,000**	0	0	0	0	0	0	0	0	7,000	**75,000**	1,000	0	0	0	12,000
VMP-31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17,000
VMP-32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-37	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-38	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-40	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VMP-41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-43	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monitoring Points																		
MP-A	**56,000**	38,000	0	0	0	0	47,000	**83,000**	0	**63,000**	50,000	32,000	0	0	0	0	42,000	3,000
MP-B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MP-C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MP-D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MP-E	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MP-F	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MP-G	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix B1
Historical In-Situ Soil Gas Monitoring Data (2006 - 2014)
FGGM 93 Manor View Dump Site
Fort George G. Meade, Maryland

Date:	11/14/2011	11/18/2011	11/28/2011	12/5/2011	12/12/2011	12/19/2011	12/27/2011	1/5/2012	1/9/2012	1/17/2012	1/23/2012	1/30/2012	2/6/2012	2/13/2012	2/21/2012	2/27/2012	3/5/2012	3/9/2012
Rainfall:	No measureable precipitation.	11/15 (0.06") 11/16 (0.28") 11/17 (0.07")	11/20 (0.16") 11/21 (0.03") 11/22 (0.90") 11/23 (0.01")	11/28 (0.01") 11/29 (0.34")	12/5 (0.06") 12/6 (0.7") 12/7 (2.05")	12/15 (0.02")	12/21 (0.1") 12/22 (0.88")	12/27 (0.71") 1/1 (0.03")	1/4 (0.08")	1/11 (1.11") 1/12 (0.09") 1/16 (0.07")	1/17 (0.11") 1/20 (0.27")	1/23 (0.06") 1/26 (0.02") 1/27 (0.53")	1/31 (0.06") 2/1 (0.06") 2/4 (0.06")	No measureable precipitation.	2/14 (0.02") 2/16 (0.22") 2/19 (0.01")	2/22 (0.01") 2/23 (0.01") 2/24 (0.25")	3/2 (0.62") 3/3 (0.02")	3/8 (0.01")
Barometric Pressure (inches):	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent Points																		
Vent-1 (TR-1)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Vent-2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-4 (TR-3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Vent-5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-7 (TR-7)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Vent-8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-11 (TR-11)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Vent-12	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-13	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vapor Extraction Points																		
VE-A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VE-B	33,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VE-C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VE-D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VE-E	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VE-F	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monitoring Wells																		
MW-1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-11	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
RI Soil Gas Points																		
SG-50	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-82S	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-82M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-82D	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-84S	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-84M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-84D	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Miscellaneous																		
Blower	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix B1
Historical In-Situ Soil Gas Monitoring Data (2006 - 2014)
FGGM 93 Manor View Dump Site
Fort George G. Meade, Maryland

Date:	3/19/2012	3/23/2012	3/26/2012	3/27/2012	3/28/2012	3/29/2012	3/30/2012	4/2/2012	4/3/2012	4/4/2012	4/5/2012	4/6/2012	4/11/2012	4/12/2012	4/13/2012	4/16/2012	4/17/2012	4/18/2012
Rainfall:	No measureable precipitation.	3/23 (0.01")	No measureable precipitation.	No measureable precipitation.	3/28 (0.01")	No measureable precipitation.	No measureable precipitation.	No measureable precipitation.	No measureable precipitation.	No measureable precipitation.	No measureable precipitation.	No measureable precipitation.	No measureable precipitation.	No measureable precipitation.	No measureable precipitation.	4/14 (0.01")	No measureable precipitation.	4/18 (0.19")
Barometric Pressure (inches):	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vapor Monitoring Points																		
VMP-1	0	**125,000**	0	0	**90,000**	0	0	0	0	0	0	0	---	0	---	0	---	---
VMP-2	0	0	0	0	**REMOVED**	---	---	---	---	---	---	---	---	---	---	---	---	---
VMP-3	0	0	0	15,000	13,000	37,000	39,000	4,000	2,000	3,000	13,000	8,000	**64,000**	**REMOVED**	---	---	---	---
VMP-4	0	0	0	0	0	0	0	0	---	---	---	---	---	0	---	0	---	---
VMP-5	0	4,000	0	0	**REMOVED**	---	---	---	---	---	---	---	---	---	---	---	---	---
VMP-6	0	0	0	0	0	0	**REMOVED**	---	---	---	---	---	---	---	---	---	---	---
VMP-7	0	**154,000**	0	0	**68,000**	0	0	0	0	0	0	0	---	0	---	0	---	---
VMP-8	0	**52,000**	**265,000**	**235,000**	**277,000**	**267,000**	**284,000**	**251,000**	**297,000**	**330,000**	**287,000**	**278,000**	---	16,000	**106,000**	0	12,000	0
VMP-9	0	0	0	0	0	0	0	0	---	---	---	---	---	0	---	0	---	---
VMP-10	0	0	0	0	0	0	0	0	---	---	---	---	---	0	---	0	---	---
VMP-11	0	---	0	0	0	0	0	0	---	---	---	---	---	0	---	0	---	---
VMP-12	0	---	0	0	0	0	0	0	---	---	---	---	---	0	---	0	---	---
VMP-21	0	3,000	7,000	13,000	0	0	0	0	0	4,000	0	0	---	0	0	0	**REMOVED**	---
VMP-22	**203,000**	**382,000**	**256,000**	**84,000**	**290,000**	**98,000**	**REMOVED**	---	---	---	---	---	---	---	---	---	---	---
VMP-23	**408,000**	**565,000**	**449,000**	**185,000**	**REMOVED**	---	---	---	---	---	---	---	---	---	---	---	---	---
VMP-24	0	0	0	0	0	0	0	0	---	---	---	---	---	0	---	0	---	---
VMP-25	0	0	0	0	0	0	0	0	---	---	---	---	---	0	---	0	---	---
VMP-26	0	0	0	0	0	0	0	0	---	---	---	---	---	0	---	0	---	---
VMP-27	0	0	4,000	0	0	0	0	0	---	---	---	---	---	0	---	0	---	---
VMP-28	0	0	0	0	0	0	0	0	---	---	---	---	---	0	---	0	---	---
VMP-29	0	0	0	0	0	0	4,000	0	---	---	---	---	---	0	---	0	---	---
VMP-30	39,000	0	**77,000**	**68,000**	39,000	**131,000**	32,000	**166,000**	43,000	**63,000**	21,000	25,000	---	47,000	50,000	40,000	**82,000**	21,000
VMP-31	48,000	0	3,000	**399,000**	41,000	**57,000**	14,000	10,000	9,000	11,000	13,000	5,000	---	4,000	2,000	0	0	0
VMP-32	0	0	0	0	0	0	0	0	---	---	---	---	---	0	---	0	---	---
VMP-33	0	0	0	0	0	0	0	0	---	---	---	---	---	0	---	0	---	---
VMP-34	0	0	0	0	0	0	0	0	---	---	---	---	---	0	---	0	---	---
VMP-35	0	0	0	0	0	0	0	0	---	---	---	---	---	0	---	0	---	---
VMP-36	0	0	0	0	0	0	0	0	---	---	---	---	---	0	---	0	---	---
VMP-37	0	0	0	0	0	0	0	0	---	---	---	---	---	0	---	0	---	---
VMP-38	0	0	0	0	0	0	0	0	---	---	---	---	---	0	---	0	---	---
VMP-39	0	0	0	0	0	0	0	0	---	---	---	---	---	0	---	0	---	---
VMP-40	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VMP-41	0	0	0	0	0	0	0	0	---	---	---	---	---	0	---	0	---	---
VMP-42	0	0	0	0	0	0	0	0	---	---	---	---	---	0	---	0	---	---
VMP-43	0	0	0	0	0	0	0	0	---	---	---	---	---	0	---	0	---	---
Monitoring Points																		
MP-A	0	0	0	0	46,000	18,000	0	0	0	0	0	0	0	0	---	0	---	---
MP-B	0	0	0	0	0	0	0	0	---	---	---	---	0	0	---	0	---	---
MP-C	**REMOVED**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MP-D	**REMOVED**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MP-E	0	**REPLACED**	**123,000**	19,000	9,000	0	0	0	0	0	0	0	---	0	---	0	---	---
MP-F	0	0	0	0	0	0	0	0	---	---	---	---	---	0	---	0	---	---
MP-G	0	0	0	0	0	0	0	0	---	---	---	---	---	0	---	0	---	---

Appendix B1
Historical In-Situ Soil Gas Monitoring Data (2006 - 2014)
FGGM 93 Manor View Dump Site
Fort George G. Meade, Maryland

Date:	3/19/2012	3/23/2012	3/26/2012	3/27/2012	3/28/2012	3/29/2012	3/30/2012	4/2/2012	4/3/2012	4/4/2012	4/5/2012	4/6/2012	4/11/2012	4/12/2012	4/13/2012	4/16/2012	4/17/2012	4/18/2012
Rainfall:	No measureable precipitation.	3/23 (0.01")	No measureable precipitation.	No measureable precipitation.	3/28 (0.01")	No measureable precipitation.	No measureable precipitation.	No measureable precipitation.	No measureable precipitation.	No measureable precipitation.	No measureable precipitation.	No measureable precipitation.	No measureable precipitation.	No measureable precipitation.	No measureable precipitation.	4/14 (0.01")	No measureable precipitation.	4/18 (0.19")
Barometric Pressure (inches):	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent Points																		
Vent-1 (TR-1)	0	0	0	0	0	0	0	0	---	---	---	---	---	0	---	0	---	---
Vent-2	---	---	---	---	---	---	---	0	---	---	---	---	---	---	---	---	---	---
Vent-3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-4 (TR-3)	0	0	0	0	0	0	0	0	---	---	---	---	---	0	---	0	---	---
Vent-5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-7 (TR-7)	0	0	0	0	0	0	0	0	---	---	---	---	---	0	---	0	---	---
Vent-8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-11 (TR-11)	0	0	0	0	0	0	0	0	---	---	---	---	---	0	---	0	---	---
Vent-12	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-13	---	---	---	---	---	---	---	0	---	---	---	---	---	---	---	---	---	---
Vapor Extraction Points																		
VE-A	0	0	0	0	REMOVED	---	---	---	---	---	---	---	---	---	---	---	---	---
VE-B	0	2,000	0	0	REMOVED	---	---	---	---	---	---	---	---	---	---	---	---	---
VE-C	0	0	0	0	REMOVED	0	3,000	**58,000**	---	---	---	---	---	28,000	12,000	0	0	0
VE-D	0	0	0	0	0	REMOVED	---	---	---	---	---	---	---	---	---	---	---	---
VE-E	0	0	0	0	0	0	0	0	---	---	---	---	---	0	---	0	---	---
VE-F	0	0	0	0	9,000	0	0	0	0	0	0	0	---	0	---	0	---	---
Monitoring Wells																		
MW-1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-11	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
RI Soil Gas Points																		
SG-50	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-82S	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-82M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-82D	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-84S	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-84M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-84D	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Miscellaneous																		
Blower	0	**OFFLINE**	---	---	---	0	0	0	---	---	---	---	---	0	---	0	---	---

Appendix B1
Historical In-Situ Soil Gas Monitoring Data (2006 - 2014)
FGGM 93 Manor View Dump Site
Fort George G. Meade, Maryland

Date:	4/19/2012	4/20/2012	4/23/2012	4/24/2012	4/25/2012	4/26/2012	4/27/2012	4/30/2012	5/1/2012	5/2/2012	5/3/2012	5/4/2012	5/7/2012	5/8/2012	5/9/2012	5/10/2012	5/11/2012	5/14/2012
Rainfall:	4/19 (0.01")	No measureable precipitation.	4/21 (0.03") 4/22 (1.18") 4/23 (0.01")	No measureable precipitation.	No measureable precipitation.	4/26 (0.05")	No measureable precipitation.	4/28 (0.17") 4/30 (0.06")	5/1 (0.01")	No measureable precipitation.	5/3 (0.20")	No measureable precipitation.	No measureable precipitation.	5/8 (0.06")	5/9 (0.18")	No measureable precipitation.	No measureable precipitation.	5/14 (0.65)
Barometric Pressure (inches):	---	---	---	---	---	---	---	---	30.00	30.07	30.10	29.97	30.08	29.90	29.73	29.73	30.07	30.09
Vapor Monitoring Points																		
VMP-1	---	---	---	---	0	---	---	0	---	---	---	---	0	---	---	---	---	**83,000**
VMP-2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VMP-3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VMP-4	---	---	---	---	0	---	---	0	---	---	---	---	0	---	---	---	---	0
VMP-5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VMP-6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VMP-7	---	---	---	---	0	**REMOVED**	---	---	---	---	---	---	---	---	---	---	---	---
VMP-8	0	0	---	---	0	**REMOVED**	---	---	---	---	---	---	---	---	---	---	---	---
VMP-9	---	---	---	---	0	---	---	0	---	---	---	---	0	---	---	---	---	0
VMP-10	---	---	---	---	0	---	---	0	---	---	---	---	0	---	---	---	---	0
VMP-11	---	---	---	---	0	---	---	0	---	---	---	---	0	---	---	---	---	0
VMP-12	---	---	---	---	0	---	---	0	---	---	---	---	0	---	---	---	---	0
VMP-21	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VMP-22	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VMP-23	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VMP-24	---	---	---	---	0	---	---	0	---	---	---	---	0	---	---	---	---	0
VMP-25	---	---	---	---	0	---	---	0	---	---	---	---	0	---	---	---	---	0
VMP-26	---	---	---	---	0	---	---	0	---	---	---	---	0	---	---	---	---	0
VMP-27	---	---	---	---	0	---	---	0	---	---	---	---	0	---	---	---	---	0
VMP-28	---	---	---	---	0	---	---	0	---	---	---	---	0	---	---	---	---	0
VMP-29	---	---	---	---	0	---	---	0	---	---	---	---	0	---	---	---	---	0
VMP-30	**61,000**	**67,000**	0	0	2,000	1,000	2,000	14,000	15,000	24,000	26,000	23,000	23,000	**52,000**	**63,000**	**52,000**	38,000	**73,000**
VMP-31	0	0	---	---	0	---	---	0	---	---	---	---	30,000	48,000	45,000	30,000	28,000	**55,000**
VMP-32	---	---	---	---	0	---	---	0	---	---	---	---	0	---	---	---	---	0
VMP-33	---	---	---	---	0	---	---	0	---	---	---	---	0	---	---	---	---	0
VMP-34	---	---	---	---	0	---	---	0	---	---	---	---	0	---	---	---	---	0
VMP-35	---	---	---	---	0	---	---	0	---	---	---	---	0	---	---	---	---	0
VMP-36	---	---	---	---	0	---	---	0	---	---	---	---	0	---	---	---	---	0
VMP-37	---	---	---	---	0	---	---	0	---	---	---	---	0	---	---	---	---	0
VMP-38	---	---	---	---	0	---	---	0	---	---	---	---	0	---	---	---	---	0
VMP-39	---	---	---	---	0	---	---	0	---	---	---	---	---	---	---	---	---	0
VMP-40	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VMP-41	---	---	---	---	0	---	---	0	---	---	---	---	0	---	---	---	---	0
VMP-42	---	---	---	---	0	---	---	0	---	---	---	---	0	---	---	---	---	0
VMP-43	---	---	---	---	0	---	---	0	---	---	---	---	0	---	---	---	---	0
Monitoring Points																		
MP-A	---	---	---	---	0	---	---	0	---	---	---	---	0	---	---	---	---	0
MP-B	---	---	---	---	0	---	---	0	---	---	---	---	0	---	---	---	---	0
MP-C	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MP-D	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MP-E	---	---	---	---	0	---	---	0	---	---	---	---	0	---	---	---	---	0
MP-F	---	---	---	---	0	---	---	0	---	---	---	---	0	---	---	---	---	0
MP-G	---	---	---	---	0	---	---	0	---	---	---	---	0	---	---	---	---	0

Appendix B1
Historical In-Situ Soil Gas Monitoring Data (2006 - 2014)
FGGM 93 Manor View Dump Site
Fort George G. Meade, Maryland

Date:	4/19/2012	4/20/2012	4/23/2012	4/24/2012	4/25/2012	4/26/2012	4/27/2012	4/30/2012	5/1/2012	5/2/2012	5/3/2012	5/4/2012	5/7/2012	5/8/2012	5/9/2012	5/10/2012	5/11/2012	5/14/2012
Rainfall:	4/19 (0.01")	No measureable precipitation.	4/21 (0.03") 4/22 (1.18") 4/23 (0.01")	No measureable precipitation.	No measureable precipitation.	4/26 (0.05")	No measureable precipitation.	4/28 (0.17") 4/30 (0.06")	5/1 (0.01")	No measureable precipitation.	5/3 (0.20")	No measureable precipitation.	No measureable precipitation.	5/8 (0.06")	5/9 (0.18")	No measureable precipitation.	No measureable precipitation.	5/14 (0.65)
Barometric Pressure (inches):	---	---	---	---	---	---	---	---	30.00	30.07	30.10	29.97	30.08	29.90	29.73	29.73	30.07	30.09
Vent Points																		
Vent-1 (TR-1)	---	---	---	---	0	---	---	0	---	---	---	---	0	---	---	---	---	0
Vent-2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-4 (TR-3)	---	---	---	---	0	---	---	0	---	---	---	---	0	---	---	---	---	0
Vent-5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-7 (TR-7)	---	---	---	---	0	---	---	0	---	---	---	---	0	---	---	---	---	0
Vent-8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-11 (TR-11)	---	---	---	---	0	---	---	0	---	---	---	---	0	---	---	---	---	0
Vent-12	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-13	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vapor Extraction Points																		
VE-A	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VE-B	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VE-C	0	0	---	---	0	---	---	0	---	---	---	---	0	---	---	---	---	5,000
VE-D	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VE-E	---	---	---	---	0	---	---	0	---	---	---	---	0	---	---	---	---	0
VE-F	---	---	---	---	0	---	---	0	---	---	---	---	0	---	---	---	---	0
Monitoring Wells																		
MW-1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-11	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
RI Soil Gas Points																		
SG-50	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-82S	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-82M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-82D	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-84S	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-84M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-84D	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Miscellaneous																		
Blower	---	---	---	---	0	---	---	0	---	---	---	---	0	---	---	---	---	0

Appendix B1
Historical In-Situ Soil Gas Monitoring Data (2006 - 2014)
FGGM 93 Manor View Dump Site
Fort George G. Meade, Maryland

Date:	5/15/2012	5/16/2012	5/17/2012	5/18/2012	5/21/2012	5/22/2012	5/23/2012	5/24/2012	5/25/2012	5/28/2012	5/29/2012	5/30/2012	5/31/2012	6/1/2012	6/4/2012	6/5/2012	6/6/2012	6/7/2012
Rainfall:	5/15 (0.06")	No measureable precipitation.	5/17 (0.02")	No measureable precipitation.	5/20 (0.11") 5/21 (0.11")	No measureable precipitation.	No measureable precipitation.	No measureable precipitation.	No measureable precipitation.	5/27 (0.21")	5/29 (0.31")	No measureable precipitation.	No measureable precipitation.	6/1 (2.05")	No measureable precipitation.	No measureable precipitation.	No measureable precipitation.	No measureable precipitation.
Barometric Pressure (inches):	29.95	29.90	30.05	30.15	30.02	29.86	29.90	30.05	30.12	29.98	29.83	29.76	29.83	29.78	29.68	29.86	29.98	29.98
Vapor Monitoring Points																		
VMP-1	0	0	0	0	0	0	0	0	0	---	8,000	9,000	0	0	40,000	0	8,000	27,000
VMP-2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VMP-3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VMP-4	---	---	---	---	0	---	---	---	---	---	0	---	---	---	0	---	---	---
VMP-5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VMP-6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VMP-7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VMP-8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VMP-9	---	---	---	---	0	---	---	---	---	---	0	---	---	---	0	---	---	---
VMP-10	---	---	---	---	0	---	---	---	---	---	0	---	---	---	0	---	---	---
VMP-11	---	---	---	---	0	---	---	---	---	---	0	---	---	---	0	---	---	---
VMP-12	---	---	---	---	0	---	---	---	---	---	0	---	---	---	0	---	---	---
VMP-21	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VMP-22	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VMP-23	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VMP-24	---	---	---	---	0	---	---	---	---	---	0	---	---	---	0	---	---	---
VMP-25	---	---	---	---	0	---	---	---	---	---	0	---	---	---	0	---	---	---
VMP-26	---	---	---	---	0	---	---	---	---	---	0	---	---	---	0	---	---	---
VMP-27	---	---	---	---	0	---	---	---	---	---	0	---	---	---	0	---	---	---
VMP-28	---	---	---	---	0	---	---	---	---	---	0	---	---	---	0	---	---	---
VMP-29	---	---	---	---	0	---	---	---	---	---	0	---	---	---	0	---	---	---
VMP-30	0	0	14,000	11,000	8,000	0	2,000	---	24,000	---	24,000	12,000	21,000	26,000	0	0	5,000	2,000
VMP-31	0	15,000	9,000	4,000	7,000	0	7,000	---	0	---	50,000	12,000	**75,000**	**83,000**	**161,000**	**113,000**	20,000	**108,000**
VMP-32	---	---	---	---	0	---	---	---	---	---	0	---	---	---	0	---	---	---
VMP-33	---	---	---	---	0	---	---	---	---	---	0	---	---	---	0	---	---	---
VMP-34	---	---	---	---	0	---	---	---	---	---	0	---	---	---	0	---	---	---
VMP-35	---	---	---	---	0	---	---	---	---	---	0	---	---	---	0	---	---	---
VMP-36	---	---	---	---	0	---	---	---	---	---	0	---	---	---	0	---	---	---
VMP-37	---	---	---	---	0	---	---	---	---	---	0	---	---	---	0	---	---	---
VMP-38	---	---	---	---	0	---	---	---	---	---	0	---	---	---	0	---	---	---
VMP-39	---	---	---	---	0	---	---	---	---	---	0	---	---	---	0	---	---	---
VMP-40	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VMP-41	---	---	---	---	0	---	---	---	---	---	0	---	---	---	0	---	---	---
VMP-42	---	---	---	---	0	---	---	---	---	---	0	---	---	---	0	---	---	---
VMP-43	---	---	---	---	0	---	---	---	---	---	0	---	---	---	0	---	---	---
Monitoring Points																		
MP-A	---	---	---	---	0	---	---	---	---	---	0	---	---	---	19,000	0	4,000	14,000
MP-B	---	---	---	---	0	---	---	---	---	---	0	---	---	---	0	---	---	---
MP-C	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MP-D	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MP-E	---	---	---	---	0	---	---	---	---	---	0	---	---	---	0	---	---	---
MP-F	---	---	---	---	0	---	---	---	---	---	0	---	---	---	0	---	---	---
MP-G	---	---	---	---	0	---	---	---	---	---	0	---	---	---	0	---	---	---

Appendix B1
Historical In-Situ Soil Gas Monitoring Data (2006 - 2014)
FGGM 93 Manor View Dump Site
Fort George G. Meade, Maryland

Date:	5/15/2012	5/16/2012	5/17/2012	5/18/2012	5/21/2012	5/22/2012	5/23/2012	5/24/2012	5/25/2012	5/28/2012	5/29/2012	5/30/2012	5/31/2012	6/1/2012	6/4/2012	6/5/2012	6/6/2012	6/7/2012
Rainfall:	5/15 (0.06")	No measureable precipitation.	5/17 (0.02")	No measureable precipitation.	5/20 (0.11") 5/21 (0.11")	No measureable precipitation.	No measureable precipitation.	No measureable precipitation.	No measureable precipitation.	5/27 (0.21")	5/29 (0.31")	No measureable precipitation.	No measureable precipitation.	6/1 (2.05")	No measureable precipitation.	No measureable precipitation.	No measureable precipitation.	No measureable precipitation.
Barometric Pressure (inches):	29.95	29.90	30.05	30.15	30.02	29.86	29.90	30.05	30.12	29.98	29.83	29.76	29.83	29.78	29.68	29.86	29.98	29.98
Vent Points																		
Vent-1 (TR-1)	---	---	---	---	0	---	---	---	---	---	0	---	---	---	0	---	---	---
Vent-2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-4 (TR-3)	---	---	---	---	0	---	---	---	---	---	0	---	---	---	0	---	---	---
Vent-5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-7 (TR-7)	---	---	---	---	0	---	---	---	---	---	0	---	---	---	0	---	---	---
Vent-8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-11 (TR-11)	---	---	---	---	0	---	---	---	---	---	0	---	---	---	0	---	---	---
Vent-12	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-13	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vapor Extraction Points																		
VE-A	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VE-B	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VE-C	28,000	2,000	0	0	5,000	2,000	0	0	0	---	0	24,000	16,000	10,000	8,000	0	0	0
VE-D	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VE-E	---	---	---	---	0	---	---	---	---	---	0	---	---	---	0	---	---	---
VE-F	---	---	---	---	0	---	---	---	---	---	0	---	---	---	0	---	---	---
Monitoring Wells																		
MW-1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-11	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
RI Soil Gas Points																		
SG-50	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-82S	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-82M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-82D	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-84S	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-84M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-84D	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Miscellaneous																		
Blower	---	---	---	---	0	---	---	---	---	---	0	---	---	---	0	---	---	---

Appendix B1
Historical In-Situ Soil Gas Monitoring Data (2006 - 2014)
FGGM 93 Manor View Dump Site
Fort George G. Meade, Maryland

Date:	6/8/2012	6/11/2012	6/12/2012	6/13/2012	6/14/2012	6/15/2012	6/18/2012	6/19/2012	6/20/2012	6/21/2012	6/22/2012	6/25/2012	6/26/2012	6/27/2012	6/28/2012	6/29/2012	7/2/2012	7/3/2012
Rainfall:	No measureable precipitation.	6/11 (0.09")	6/12 (0.16")	No measureable precipitation.	No measureable precipitation.	No measureable precipitation.	6/18 (0.06")	No measureable precipitation.	No measureable precipitation.	No measureable precipitation.	6/22 (0.09")	No measureable precipitation.	No measureable precipitation.	No measureable precipitation.	No measureable precipitation.	6/29 (0.54")	No measureable precipitation.	No measureable precipitation.
Barometric Pressure (inches):	29.96	30.10	29.93	29.94	30.14	30.25	30.10	30.12	30.07	29.92	29.81	29.76	29.83	29.86	29.83	29.73	29.93	29.92
Vapor Monitoring Points																		
VMP-1	0	14,000	**82,000**	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5,000
VMP-2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VMP-3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VMP-4	---	5,000	28,000	0	0	0	0	0	0	0	3,000	3,000	0	0	0	0	0	6,000
VMP-5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VMP-6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VMP-7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VMP-8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VMP-9	---	0	---	---	---	---	---	0	---	---	---	---	0	---	---	---	0	---
VMP-10	---	0	---	---	---	---	---	0	---	---	---	---	0	---	---	---	0	---
VMP-11	---	0	---	---	---	---	---	0	---	---	---	---	0	---	---	---	0	---
VMP-12	---	0	---	---	---	---	---	0	---	---	---	---	0	---	---	---	0	---
VMP-21	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VMP-22	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VMP-23	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VMP-24	---	0	---	---	---	---	---	0	---	---	---	---	0	---	---	---	0	---
VMP-25	---	0	---	---	---	---	---	0	---	---	---	---	0	---	---	---	0	---
VMP-26	---	0	---	---	---	---	---	0	---	---	---	---	0	---	---	---	0	---
VMP-27	---	0	---	---	---	---	---	0	---	---	---	---	0	---	---	---	0	---
VMP-28	---	0	---	---	---	---	---	0	---	---	---	---	0	---	---	---	0	---
VMP-29	---	0	---	---	---	---	---	0	---	---	---	---	0	---	---	---	0	---
VMP-30	3,000	13,000	41,000	14,000	11,000	11,000	8,000	0	21,000	6,000	2,000	12,000	10,000	10,000	---	---	---	---
VMP-31	46,000	**193,000**	**159,000**	**204,000**	**172,000**	16,000	1,000	0	5,000	10,000	7,000	0	0	0	---	---	---	---
VMP-32	---	0	---	---	---	---	---	0	---	---	---	---	0	---	---	---	0	---
VMP-33	---	0	---	---	---	---	---	0	---	---	---	---	0	---	---	---	0	---
VMP-34	---	0	---	---	---	---	---	0	---	---	---	---	0	---	---	---	0	---
VMP-35	---	0	---	---	---	---	---	0	---	---	---	---	0	---	---	---	0	---
VMP-36	---	0	---	---	---	---	---	0	---	---	---	---	0	---	---	---	0	---
VMP-37	---	0	---	---	---	---	---	0	---	---	---	---	0	---	---	---	0	---
VMP-38	---	0	---	---	---	---	---	0	---	---	---	---	0	---	---	---	0	---
VMP-39	---	0	---	---	---	---	---	0	---	---	---	---	0	---	---	---	0	---
VMP-40	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VMP-41	---	0	---	---	---	---	---	0	---	---	---	---	0	---	---	---	0	---
VMP-42	---	0	---	---	---	---	---	0	---	---	---	---	0	---	---	---	0	---
VMP-43	---	0	---	---	---	---	---	0	---	---	---	---	0	---	---	---	0	---
Monitoring Points																		
MP-A	0	0	31,000	0	0	0	0	3,000	0	8,000	3,000	**141,000**	3,000	37,000	11,000	14,000	0	0
MP-B	---	0	---	---	---	---	---	0	---	---	---	---	0	---	---	---	0	---
MP-C	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MP-D	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MP-E	---	0	---	---	---	---	---	0	---	---	---	---	0	---	---	---	0	---
MP-F	---	0	---	---	---	---	---	0	---	---	---	---	0	---	---	---	0	---
MP-G	---	0	---	---	---	---	---	0	---	---	---	---	0	---	---	---	0	---

Appendix B1
Historical In-Situ Soil Gas Monitoring Data (2006 - 2014)
FGGM 93 Manor View Dump Site
Fort George G. Meade, Maryland

Date:	6/8/2012	6/11/2012	6/12/2012	6/13/2012	6/14/2012	6/15/2012	6/18/2012	6/19/2012	6/20/2012	6/21/2012	6/22/2012	6/25/2012	6/26/2012	6/27/2012	6/28/2012	6/29/2012	7/2/2012	7/3/2012
Rainfall:	No measureable precipitation.	6/11 (0.09")	6/12 (0.16")	No measureable precipitation.	No measureable precipitation.	No measureable precipitation.	6/18 (0.06")	No measureable precipitation.	No measureable precipitation.	No measureable precipitation.	6/22 (0.09")	No measureable precipitation.	No measureable precipitation.	No measureable precipitation.	No measureable precipitation.	6/29 (0.54")	No measureable precipitation.	No measureable precipitation.
Barometric Pressure (inches):	29.96	30.10	29.93	29.94	30.14	30.25	30.10	30.12	30.07	29.92	29.81	29.76	29.83	29.86	29.83	29.73	29.93	29.92
Vent Points																		
Vent-1 (TR-1)	---	0	---	---	---	---	---	0	---	---	---	---	0	---	---	---	0	---
Vent-2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-4 (TR-3)	---	0	---	---	---	---	---	0	---	---	---	---	0	---	---	---	0	---
Vent-5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-7 (TR-7)	---	0	---	---	---	---	---	0	---	---	---	---	0	---	---	---	0	---
Vent-8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-11 (TR-11)	---	0	---	---	---	---	---	0	---	---	---	---	0	---	---	---	0	---
Vent-12	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-13	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vapor Extraction Points																		
VE-A	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VE-B	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VE-C	0	0	3,000	1,000	0	0	0	0	0	0	2,000	0	0	0	**459,000**	**444,000**	8,000	1,000
VE-D	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VE-E	---	0	---	---	---	---	---	0	---	---	---	---	0	---	---	---	0	---
VE-F	---	0	---	---	---	---	---	0	---	---	---	---	0	---	---	---	0	---
Monitoring Wells																		
MW-1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-11	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
RI Soil Gas Points																		
SG-50	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-82S	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-82M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-82D	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-84S	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-84M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-84D	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Miscellaneous																		
Blower	---	0	---	---	---	---	---	0	---	---	---	---	0	---	---	---	0	---

Appendix B1
Historical In-Situ Soil Gas Monitoring Data (2006 - 2014)
FGGM 93 Manor View Dump Site
Fort George G. Meade, Maryland

Date:	7/5/2012	7/6/2012	7/9/2012	7/10/2012	7/11/2012	7/12/2012	7/13/2012	7/16/2012	7/17/2012	7/18/2012	7/19/2012	7/20/2012	7/23/2012	7/30/2012	8/6/2012	8/13/2012	8/20/2012	8/27/2012
Rainfall:	No measureable precipitation.	No measureable precipitation.	7/8 (0.20") 7/9 (0.10")	7/10 (0.10"	No measureable precipitation.	No measureable precipitation.	7/13 (0.26")	No measureable precipitation.	No measureable precipitation.	7/18 (0.62")	7/19 (0.48")	7/20 (0.52")	7/26 (0.12")	No measureable precipitation.	8/9 (0.03") 8/10 (0.36") 8/11 (0.44")	8/13 (0.06") 8/14 (0.02") 8/17 (0.25") 8/19 (0.08")	8/20 (0.31") 8/24 (0.01") 8/25 (0.32") 8/26 (0.84")	8/27 (0.02") 9/1 (0.11") 9/2 (0.01")
Barometric Pressure (inches):	29.82	29.90	29.92	30.00	30.11	30.18	30.19	29.91	29.86	29.82	29.90	29.92	30.04	30.04	30.04	30.00	29.90	30.13
Vapor Monitoring Points																		
VMP-1	827,000	0	0	0	0	0	0	12,000	0	0	0	0	18,000	0	0	0	0	0
VMP-2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VMP-3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VMP-4	281,000	5,000	11,000	2,000	3,000	2,000	3,000	2,000	3,000	3,000	3,000	2,000	0	0	0	0	0	19,000
VMP-5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VMP-6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VMP-7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VMP-8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VMP-9	---	---	0	---	---	---	---	0	---	---	---	---	0	0	0	0	0	0
VMP-10	---	---	0	---	---	---	---	0	---	---	---	---	0	0	0	0	0	0
VMP-11	---	---	0	---	---	---	---	0	---	---	---	---	0	0	0	5,000	8,000	11,000
VMP-12	---	---	0	---	---	---	---	0	---	---	---	---	0	0	0	0	0	0
VMP-21	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VMP-22	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VMP-23	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VMP-24	---	---	0	---	---	---	---	0	---	---	---	---	0	0	0	0	0	0
VMP-25	---	---	0	---	---	---	---	0	---	---	---	---	0	0	0	0	0	0
VMP-26	---	---	0	---	---	---	---	0	---	---	---	---	0	0	0	0	0	0
VMP-27	---	---	0	---	---	---	---	0	---	---	---	---	0	0	0	0	0	0
VMP-28	---	---	0	---	---	---	---	0	---	---	---	---	0	0	0	0	0	0
VMP-29	---	---	0	---	---	---	---	0	---	---	---	---	0	0	0	0	0	0
VMP-30	---	---	---	---	---	---	3,000	0	0	0	0	0	35,000	39,000	0	0	13,000	42,000
VMP-31	---	---	---	---	---	---	5,000	2,000	1,000	0	1,000	1,000	8,000	11,000	9,000	7,000	8,000	11,000
VMP-32	---	---	0	---	---	---	---	0	---	---	---	---	0	0	0	0	0	0
VMP-33	---	---	0	---	---	---	---	0	---	---	---	---	0	0	0	0	0	0
VMP-34	---	---	0	---	---	---	---	0	---	---	---	---	0	0	0	0	0	0
VMP-35	---	---	0	---	---	---	---	0	---	---	---	---	0	0	0	0	0	0
VMP-36	---	---	0	---	---	---	---	0	---	---	---	---	0	0	0	0	0	0
VMP-37	---	---	0	---	---	---	---	0	---	---	---	---	0	0	0	0	0	0
VMP-38	---	---	0	---	---	---	---	0	---	---	---	---	0	0	0	0	0	0
VMP-39	---	---	0	REMOVED	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VMP-40	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VMP-41	---	---	0	REMOVED	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VMP-42	---	---	0	---	---	---	---	0	---	---	---	---	0	0	0	0	0	0
VMP-43	---	---	0	---	---	---	---	0	---	---	---	---	0	0	0	0	0	0
Monitoring Points																		
MP-A	1,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15,000	9,000	25,000
MP-B	---	---	0	---	---	---	---	0	---	---	---	---	0	0	0	0	0	0
MP-C	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MP-D	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MP-E	---	---	0	---	---	---	---	0	---	---	---	---	0	0	0	0	0	0
MP-F	---	---	0	---	---	---	---	0	---	---	---	---	0	0	0	0	0	0
MP-G	---	---	0	---	---	---	---	0	---	---	---	---	0	0	0	0	0	0

Appendix B1
Historical In-Situ Soil Gas Monitoring Data (2006 - 2014)
FGGM 93 Manor View Dump Site
Fort George G. Meade, Maryland

Date:	7/5/2012	7/6/2012	7/9/2012	7/10/2012	7/11/2012	7/12/2012	7/13/2012	7/16/2012	7/17/2012	7/18/2012	7/19/2012	7/20/2012	7/23/2012	7/30/2012	8/6/2012	8/13/2012	8/20/2012	8/27/2012
Rainfall:	No measureable precipitation.	No measureable precipitation.	7/8 (0.20") 7/9 (0.10")	7/10 (0.10"	No measureable precipitation.	No measureable precipitation.	7/13 (0.26")	No measureable precipitation.	No measureable precipitation.	7/18 (0.62")	7/19 (0.48")	7/20 (0.52")	7/26 (0.12")	No measureable precipitation.	8/9 (0.03") 8/10 (0.36") 8/11 (0.44")	8/13 (0.06") 8/14 (0.02") 8/17 (0.25") 8/19 (0.08")	8/20 (0.31") 8/24 (0.01") 8/25 (0.32") 8/26 (0.84")	8/27 (0.02") 9/1 (0.11") 9/2 (0.01")
Barometric Pressure (inches):	29.82	29.90	29.92	30.00	30.11	30.18	30.19	29.91	29.86	29.82	29.90	29.92	30.04	30.04	30.04	30.00	29.90	30.13
Vent Points																		
Vent-1 (TR-1)	---	---	0	---	---	---	---	0	---	---	---	---	0	0	0	0	0	0
Vent-2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-4 (TR-3)	---	---	0	---	---	---	---	0	---	---	---	---	0	0	0	0	0	0
Vent-5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-7 (TR-7)	---	---	0	---	---	---	---	0	---	---	---	---	0	0	0	0	0	0
Vent-8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-11 (TR-11)	---	---	0	---	---	---	---	0	---	---	---	---	0	0	0	0	0	0
Vent-12	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-13	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vapor Extraction Points																		
VE-A	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VE-B	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VE-C	0	10,000	7,000	1,000	0	2,000	1,000	4,000	3,000	---	---	---	**130,000**	9,000	0	0	0	29,000
VE-D	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VE-E	---	---	0	---	---	---	---	0	---	---	---	---	0	0	0	0	0	0
VE-F	---	---	0	---	---	---	---	0	---	---	---	---	0	0	0	0	0	2,000
Monitoring Wells																		
MW-1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-11	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
RI Soil Gas Points																		
SG-50	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-82S	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-82M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-82D	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-84S	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-84M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SG-84D	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Miscellaneous																		
Blower	---	---	0	---	---	---	---	0	---	---	---	---	0	0	0	0	0	0

Appendix B1
Historical In-Situ Soil Gas Monitoring Data (2006 - 2014)
FGGM 93 Manor View Dump Site
Fort George G. Meade, Maryland

Date:	9/4/2012	9/10/2012	9/17/2012	9/24/2012	10/1/2012	10/10/2012	10/15/2012	10/22/2012	11/2/2012	11/5/2012	11/13/2012	11/20/2012	11/26/2012	12/17/2012	1/22/2013	2/19/2013
Rainfall:	9/4 (0.02") 9/5 (0.01") 9/6 (0.08") 9/8 (0.53")	9/15 (0.01")	9/17 (0.01") 9/18 (0.59") 9/22 (0.17)	9/25 (0.07") 9/26 (0.02") 9/27 (0.26") 9/30 (0.1")	10/1 (0.02") 10/2 (0.47") 10/4 (0.06") 10/7 (0.29")	10/8 (0.04")	10/15 (0.53") 10/18 (0.14") 10/19 (0.36")	10/27 (0.01") 10/28 (1.14")	10/29 (5.55") 10/30 (0.25") 11/1 (0.06")	No measureable precipitation.	11/12 (0.29") 11/13 (0.17")	No measureable precipitation.	11/26 (0.12") 11/27 (0.14")	12/2 (0.01") 12/4 (0.01") 12/7 (0.02") 12/8 (0.07") 12/9 (0.16") 12/10 (0.08")	12/16 (0.12") 12/17 (0.01") 12/20 (1.28") 12/24 (0.26") 12/26 (1.24") 12/29 (0.17") 1/5 (0.15") 1/9 (0.9") 1/11 (0.09") 1/14 (0.34") 1/15 (0.88") 1/16 (0.17") 1/25 (0.10") 1/27 (0.08")	1/28 (0.08") 1/30 (1.63") 1/31 (0.07") 2/2 (0.08") 2/4 (0.07") 2/7 (0.16") 2/8 (0.09") 2/10 (0.48") 2/13 (0.29") 2/15 (0.17") 2/19 (0.13")
Barometric Pressure (inches):	29.96	30.06	30.06	30.18	29.94	29.98	29.76	30.15	29.78	30.07	30.33	30.16	30.11	29.82	30.11	30.27
Vapor Monitoring Points																
VMP-1	26,000	0	31,000	0	0	48,000	33,000	0	0	0	0	18,000	16,000	12,000	0	0
VMP-2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VMP-3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VMP-4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VMP-6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VMP-7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VMP-8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VMP-9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-11	12,000	16,000	14,000	9,000	6,000	6,000	4,000	3,000	2,000	2,000	1,000	0	0	3,000	0	0
VMP-12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-21	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VMP-22	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VMP-23	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VMP-24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-26	0	0	0	0	0	21,000	8,000	0	27,000	45,000	46,000	15,000	0	0	9,000	8,000
VMP-27	0	3,000	6,000	0	7,000	4,000	23,000	3,000	0	0	2,000	0	0	14,000	6,000	0
VMP-28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-29	0	0	5,000	0	3,000	2,000	3,000	0	0	0	1,000	0	0	1,000	3,000	3,000
VMP-30	**76,000**	**123,000**	**126,000**	**162,000**	**148,000**	**158,000**	**111,000**	**155,000**	42,000	**115,000**	**149,000**	**151,000**	**119,000**	**102,000**	6,000	21,000
VMP-31	23,000	18,000	44,000	33,000	32,000	33,000	31,000	27,000	38,000	24,000	**67,000**	21,000	21,000	18,000	40,000	4,000
VMP-32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-36	0	7,000	8,000	0	9,000	9,000	9,000	8,000	6,000	7,000	6,000	4,000	3,000	0	0	0
VMP-37	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-38	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-39	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VMP-40	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VMP-41	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VMP-42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-43	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monitoring Points																
MP-A	33,000	28,000	26,000	25,000	22,000	27,000	34,000	15,000	26,000	25,000	13,000	24,000	18,000	22,000	**56,000**	49,000
MP-B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MP-C	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MP-D	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MP-E	0	0	0	0	0	0	0	0	0	1,000	0	0	0	0	0	0
MP-F	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MP-G	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix B1
Historical In-Situ Soil Gas Monitoring Data (2006 - 2014)
FGGM 93 Manor View Dump Site
Fort George G. Meade, Maryland

Date:	9/4/2012	9/10/2012	9/17/2012	9/24/2012	10/1/2012	10/10/2012	10/15/2012	10/22/2012	11/2/2012	11/5/2012	11/13/2012	11/20/2012	11/26/2012	12/17/2012	1/22/2013	2/19/2013
Rainfall:	9/4 (0.02") 9/5 (0.01") 9/6 (0.08") 9/8 (0.53")	9/15 (0.01")	9/17 (0.01") 9/18 (0.59") 9/22 (0.17)	9/25 (0.07") 9/26 (0.02") 9/27 (0.26") 9/30 (0.1")	10/1 (0.02") 10/2 (0.47") 10/4 (0.06") 10/7 (0.29")	10/8 (0.04")	10/15 (0.53") 10/18 (0.14") 10/19 (0.36")	10/27 (0.01") 10/28 (1.14")	10/29 (5.55") 10/30 (0.25") 11/1 (0.06")	No measureable precipitation.	11/12 (0.29") 11/13 (0.17")	No measureable precipitation.	11/26 (0.12") 11/27 (0.14")	12/2 (0.01") 12/4 (0.01") 12/7 (0.02") 12/8 (0.07") 12/9 (0.16") 12/10 (0.08")	12/16 (0.12") 12/17 (0.01") 12/20 (1.28") 12/24 (0.26") 12/26 (1.24") 12/29 (0.17") 1/5 (0.15") 1/9 (0.9") 1/11 (0.09") 1/14 (0.34") 1/15 (0.88") 1/16 (0.17") 1/25 (0.10") 1/27 (0.08")	1/28 (0.08") 1/30 (1.63") 1/31 (0.07") 2/2 (0.08") 2/4 (0.07") 2/7 (0.16") 2/8 (0.09") 2/10 (0.48") 2/13 (0.29") 2/15 (0.17") 2/19 (0.13")
Barometric Pressure (inches):	29.96	30.06	30.06	30.18	29.94	29.98	29.76	30.15	29.78	30.07	30.33	30.16	30.11	29.82	30.11	30.27
Vent Points																
Vent-1 (TR-1)	0	0	0	0	0	0	0	---	0	0	0	0	0	0	0	0
Vent-2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-4 (TR-3)	0	0	0	0	0	0	0	---	0	0	0	0	0	0	0	0
Vent-5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-7 (TR-7)	0	0	0	0	0	0	0	---	0	0	0	0	0	0	0	0
Vent-8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-11 (TR-11)	0	0	0	0	0	0	0	---	0	0	0	0	0	0	0	0
Vent-12	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vent-13	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vapor Extraction Points																
VE-A	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VE-B	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VE-C	22,000	7,000	17,000	7,000	6,000	27,000	23,000	0	0	0	0	34,000	4,000	6,000	0	0
VE-D	---	---	---	---	---	---	---	---	---	---	---	---	6,000	---	---	---
VE-E	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VE-F	0	2,000	1,000	1,000	0	0	0	2,000	0	1,000	0	0	0	0	0	0
Monitoring Wells																
MW-1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-11	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
RI Soil Gas Points																
SG-50	---	---	---	---	---	---	---	---	---	RI Monitoring Points Added to Monitoring Program 11/12/2012	0	0	0	0	0	0
SG-82S	---	---	---	---	---	---	---	---	---		33,000	7,000	6,000	19,000	4,000	5,000
SG-82M	---	---	---	---	---	---	---	---	---		6,000	5,000	4,000	0	0	0
SG-82D	---	---	---	---	---	---	---	---	---		0	0	0	0	0	0
SG-84S	---	---	---	---	---	---	---	---	---		0	0	0	0	0	0
SG-84M	---	---	---	---	---	---	---	---	---		0	0	0	0	0	0
SG-84D	---	---	---	---	---	---	---	---	---		0	0	0	0	0	0
Miscellaneous																
Blower	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix B1
Historical In-Situ Soil Gas Monitoring Data (2006 - 2014)
FGGM 93 Manor View Dump Site
Fort George G. Meade, Maryland

Date:	3/18/2013	4/22/2013	5/14/2013	6/24/2013	7/22/2013	8/26/2013	3/14/2014	8/8/2014
Rainfall:	2/20 - 3/18 Total Precipitation 2.03"	3/19 - 4/22 Total Precipitation 1.45"	4/23 - 5/14 Total Precipitation 3.20"	5/15 - 6/24 Total Precipitation 8.49"	6/24 - 7/22 Total Precipitation 4.19"	7/22 - 8/26 Total Precip 2.53"	8/26/2013 - 3/14/2014 Total Precipitation 30"	3/14/2014 - 8/8/2014 Total Precipitation 28"
Barometric Pressure (inches):	30.12	30.51	---	30.07	29.87	30.14	30.13	30.13
Vapor Monitoring Points								
VMP-1	---	---	2,000	---	---	46,000	0	0
VMP-2	---	---	---	---	---	---	---	---
VMP-3	---	---	---	---	---	---	---	---
VMP-4	---	---	0	---	---	0	0	0
VMP-5	---	---	---	---	---	---	---	---
VMP-6	---	---	---	---	---	---	---	---
VMP-7	---	---	---	---	---	---	---	---
VMP-8	---	---	---	---	---	---	---	---
VMP-9	---	---	0	---	---	0	0	---
VMP-10	---	---	0	---	---	0	0	---
VMP-11	---	---	0	---	---	2,000	0	3,000
VMP-12	---	---	0	---	---	0	0	---
VMP-21	---	---	---	---	---	---	---	---
VMP-22	---	---	---	---	---	---	---	---
VMP-23	---	---	---	---	---	---	---	---
VMP-24	---	---	0	---	---	0	0	---
VMP-25	---	---	0	---	---	0	0	---
VMP-26	---	---	27,000	---	---	**85,000**	12,000	**91,000**
VMP-27	---	---	4,000	---	---	27,000	0	39,000
VMP-28	---	---	0	---	---	0	0	---
VMP-29	---	---	0	---	---	0	6,000	7,000
VMP-30	0	0	11,000	2,000	4,000	0	0	0
VMP-31	2,000	4,000	8,000	6,000	21,000	0	0	0
VMP-32	---	---	0	---	---	10,000	0	13,000
VMP-33	---	---	0	---	---	18,000	12,000	14,000
VMP-34	---	---	0	---	---	0	0	---
VMP-35	---	---	0	---	---	0	0	---
VMP-36	---	---	2,000	---	---	41,000	4,000	41,000
VMP-37	---	---	0	---	---	0	0	---
VMP-38	---	---	0	---	---	0	0	---
VMP-39	---	---	---	---	---	---	---	---
VMP-40	---	---	---	---	---	---	---	---
VMP-41	---	---	---	---	---	---	---	---
VMP-42	---	---	0	---	---	0	0	---
VMP-43	---	---	0	---	---	0	0	---
Monitoring Points								
MP-A	---	---	43,000	---	---	29,000	7,000	0
MP-B	---	---	0	---	---	0	0	---
MP-C	---	---	---	---	---	---	---	---
MP-D	---	---	---	---	---	---	---	---
MP-E	---	---	0	---	---	0	0	---
MP-F	---	---	0	---	---	0	0	---
MP-G	---	---	0	---	---	0	0	---

Appendix B1
Historical In-Situ Soil Gas Monitoring Data (2006 - 2014)
FGGM 93 Manor View Dump Site
Fort George G. Meade, Maryland

Date:	3/18/2013	4/22/2013	5/14/2013	6/24/2013	7/22/2013	8/26/2013	3/14/2014	8/8/2014
Rainfall:	2/20 - 3/18 Total Precipitation 2.03"	3/19 - 4/22 Total Precipitation 1.45"	4/23 - 5/14 Total Precipitation 3.20"	5/15 - 6/24 Total Precipitation 8.49"	6/24 - 7/22 Total Precipitation 4.19"	7/22 - 8/26 Total Precip 2.53"	8/26/2013 - 3/14/2014 Total Precipitation 30"	3/14/2014 - 8/8/2014 Total Precipitation 28"
Barometric Pressure (inches):	30.12	30.51	---	30.07	29.87	30.14	30.13	30.13
Vent Points								
Vent-1 (TR-1)	---	---	0	---	---	0	0	---
Vent-2	---	---	---	---	---	---	---	---
Vent-3	---	---	---	---	---	---	---	---
Vent-4 (TR-3)	---	---	0	---	---	0	0	---
Vent-5	---	---	---	---	---	---	---	---
Vent-6	---	---	---	---	---	---	---	---
Vent-7 (TR-7)	---	---	0	---	---	0	0	---
Vent-8	---	---	---	---	---	---	---	---
Vent-9	---	---	---	---	---	---	---	---
Vent-10	---	---	---	---	---	---	---	---
Vent-11 (TR-11)	---	---	0	---	---	0	0	---
Vent-12	---	---	---	---	---	---	---	---
Vent-13	---	---	---	---	---	---	---	---
Vapor Extraction Points								
VE-A	---	---	---	---	---	---	---	---
VE-B	---	---	---	---	---	---	---	---
VE-C	---	---	2,000	---	---	2,000	0	0
VE-D	---	---	---	---	---	---	---	---
VE-E	---	---	0	---	---	0	0	---
VE-F	---	---	7,000	---	---	7,000	0	8,000
Monitoring Wells								
MW-1	---	---	---	---	---	---	---	---
MW-2	---	---	---	---	---	---	---	---
MW-3	---	---	---	---	---	---	---	---
MW-4	---	---	---	---	---	---	---	---
MW-5	---	---	---	---	---	---	---	---
MW-6	---	---	---	---	---	---	---	---
MW-7	---	---	---	---	---	---	---	---
MW-8	---	---	---	---	---	---	---	---
MW-9	---	---	---	---	---	---	---	---
MW-10	---	---	---	---	---	---	---	---
MW-11	---	---	---	---	---	---	---	---
RI Soil Gas Points								
SG-50	---	---	0	---	---	0	0	---
SG-82S	---	---	0	---	---	29,000	0	17,000
SG-82M	---	---	0	---	---	34,000	2,000	27,000
SG-82D	---	---	0	---	---	0	0	1,000
SG-84S	---	---	0	---	---	0	0	---
SG-84M	---	---	0	---	---	0	0	---
SG-84D	---	---	0	---	---	0	0	---
Miscellaneous								
Blower	---	---	0	---	---	0	0	---

Appendix B1
Historical In-Situ Soil Gas Monitoring Data (2006 - 2014)
FGGM 93 Manor View Dump Site
Fort George G. Meade, Maryland

Notes:

(1) "WATER" indicates that the monitoring point was filled with water and no methane reading was collected.
(2) "OVER RANGE" indicates that methane concentrations exceeded the detection limit of the Landtec GEM™ 2000 (100% or 1,000,000 parts per million [ppm])

(3) All methane concentrations are presented in parts per million by volume and can be converted to percent by volume by dividing by 10,000.

(4) Methane concentrations exceeding the Lower Explosive Limit for methane (50,000) are shaded gray and boldfaced.

(5) "REMOVED" and/or "REPLACED" indicated that the monitoring locations was removed and or removed and replaced during implementation of the Non-Time Critical Removal Action (NTCRA) in 2012.

(6) The following Remedial Investigation (RI) monitoring locations were added to the monitoring program in November 2012: SG-50, SG-82S, SG-82M, SG-82D, SG-84S, SG-84M, and SG-84D.

(7) Beginning August 13, 2012, a three volume purge methodology was implemented at the Site. Subsequent to this date, concentrations presented were measured following the completion of purge activities.

(8) The SVE system was shutdown on August 17, 2012.
(9) --- - No data recorded

Appendix B2
Historical In-Situ Soil Gas Monitoring Data Detection Summary (August 2012 - 2014)
FGGM 93 Manor View Dump Site
Fort George G. Meade, Maryland

Date:	8/20/2012	8/27/2012	9/4/2012	9/10/2012	9/17/2012	9/24/2012	10/1/2012	10/10/2012	10/15/2012	10/22/2012	11/2/2012	11/5/2012	11/13/2012	11/20/2012	11/26/2012
Rainfall:	8/20 (0.31") 8/24 (0.01") 8/25 (0.32") 8/26 (0.84")	8/27 (0.02") 9/1 (0.11") 9/2 (0.01")	9/4 (0.02") 9/5 (0.01") 9/6 (0.08") 9/8 (0.53")	9/15 (0.01")	9/17 (0.01") 9/18 (0.59") 9/22 (0.17)	9/25 (0.07") 9/26 (0.02") 9/27 (0.26") 9/30 (0.1")	10/1 (0.02") 10/2 (0.47") 10/4 (0.06") 10/7 (0.29")	10/8 (0.04")	10/15 (0.53") 10/18 (0.14") 10/19 (0.36")	10/27 (0.01") 10/28 (1.14")	10/29 (5.55") 10/30 (0.25") 11/1 (0.06")	No measureable precipitation.	11/12 (0.29") 11/13 (0.17")	No measureable precipitation.	11/26 (0.12") 11/27 (0.14")
Barometric Pressure (inches):	29.90	30.13	29.96	30.06	30.06	30.18	29.94	29.98	29.76	30.15	29.78	30.07	30.33	30.16	30.11
Vapor Monitoring Points															
VMP-1	0	0	26,000	0	31,000	0	0	48,000	33,000	0	0	0	0	18,000	16,000
VMP-4	0	19,000	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-11	8,000	11,000	12,000	16,000	14,000	9,000	6,000	6,000	4,000	3,000	2,000	2,000	1,000	0	0
VMP-26	0	0	0	0	0	0	0	21,000	8,000	0	27,000	45,000	46,000	15,000	0
VMP-27	0	0	0	3,000	6,000	0	7,000	4,000	23,000	3,000	0	0	2,000	0	0
VMP-29	0	0	0	0	5,000	0	3,000	2,000	3,000	0	0	0	1,000	0	0
VMP-30	13,000	42,000	**76,000**	**123,000**	**126,000**	**162,000**	**148,000**	**158,000**	**111,000**	**155,000**	42,000	**115,000**	**149,000**	**151,000**	**119,000**
VMP-31	8,000	11,000	23,000	18,000	44,000	33,000	32,000	33,000	31,000	27,000	38,000	24,000	**67,000**	21,000	21,000
VMP-32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VMP-36	0	0	0	7,000	8,000	0	9,000	9,000	9,000	8,000	6,000	7,000	6,000	4,000	3,000
Monitoring Points															
MP-A	9,000	25,000	33,000	28,000	26,000	25,000	22,000	27,000	34,000	15,000	26,000	25,000	13,000	24,000	18,000
MP-E	0	0	0	0	0	0	0	0	0	0	0	1,000	0	0	0
Vapor Extraction Points															
VE-C	0	29,000	22,000	7,000	17,000	7,000	6,000	27,000	23,000	0	0	0	0	34,000	4,000
VE-D	---	---	---	---	---	---	---	---	---	---	---	---	---	---	6,000
VE-F	0	2,000	0	2,000	1,000	1,000	0	0	0	2,000	0	1,000	0	0	0
RI Soil Gas Points[(1)]															
SG-82S	---	---	---	---	---	---	---	---	---	---	---	---	33,000	7,000	6,000
SG-82M	---	---	---	---	---	---	---	---	---	---	---	---	6,000	5,000	4,000
SG-82D	---	---	---	---	---	---	---	---	---	---	---	---	0	0	0

Appendix B2
Historical In-Situ Soil Gas Monitoring Data Detection Summary (August 2012 - 2014)
FGGM 93 Manor View Dump Site
Fort George G. Meade, Maryland

Date:	12/17/2012	1/22/2013	2/19/2013	3/18/2013	4/22/2013	5/14/2013	6/24/2013	7/22/2013	8/26/2013	3/14/2014	8/8/2014
Rainfall:	12/2 (0.01") 12/4 (0.01") 12/7 (0.02") 12/8 (0.07") 12/9 (0.16") 12/10 (0.08")	12/16 (0.12") 12/20 (1.28") 12/26 (1.24") 1/5 (0.15") 1/11 (0.09") 1/15 (0.88") 1/25 (0.10") 12/17 (0.01") 12/24 (0.26") 12/29 (0.17") 1/9 (0.9") 1/14 (0.34") 1/16 (0.17") 1/27 (0.08")	1/28 (0.08") 1/31 (0.07") (0.07") (0.09") (0.29") (0.13") 1/30 (1.63") 2/2 (0.08") 2/7 (0.16") 2/10 (0.48") 2/15 (0.17") 2/4 2/8 2/13 2/19	2/20 - 3/18 Total Precipitation 2.03"	3/19 - 4/22 Total Precipitation 1.45"	4/23 - 5/14 Total Precipitation 3.20"	5/15 - 6/24 Total Precipitation 8.49"	6/24 - 7/22 Total Precipitation 4.19"	7/22 - 8/26 Total Precip 2.53"	8/26/2013 - 3/14/2014 Total Precipitation 30"	3/14/2014 - 8/8/2014 Total Precipitation 28"
Barometric Pressure (inches):	29.82	30.11	30.27	30.12	30.51	---	30.07	29.87	30.14	30.13	30.13
Vapor Monitoring Points											
VMP-1	12,000	0	0	---	---	2,000	---	---	46,000	0	0
VMP-4	0	0	0	---	---	0	---	---	0	0	0
VMP-11	3,000	0	0	---	---	0	---	---	2,000	0	3,000
VMP-26	0	9,000	8,000	---	---	27,000	---	---	**85,000**	12,000	**91,000**
VMP-27	14,000	6,000	0	---	---	4,000	---	---	27,000	0	39,000
VMP-29	1,000	3,000	3,000	---	---	0	---	---	0	6,000	7,000
VMP-30	**102,000**	6,000	21,000	0	0	11,000	2,000	4,000	0	0	0
VMP-31	18,000	40,000	4,000	2,000	4,000	8,000	6,000	21,000	0	0	0
VMP-32	0	0	0	---	---	0	---	---	10,000	0	13,000
VMP-33	0	0	0	---	---	0	---	---	18,000	12,000	14,000
VMP-36	0	0	0	---	---	2,000	---	---	41,000	4,000	41,000
Monitoring Points											
MP-A	22,000	**56,000**	49,000	---	---	43,000	---	---	29,000	7,000	0
MP-E	0	0	0	---	---	0	---	---	0	0	---
Vapor Extraction Points											
VE-C	6,000	0	0	---	---	2,000	---	---	2,000	0	0
VE-D	---	---	---	---	---	---	---	---	---	---	---
VE-F	0	0	0	---	---	7,000	---	---	7,000	0	8,000
RI Soil Gas Points[(1)]											
SG-82S	19,000	4,000	5,000	---	---	0	---	---	29,000	0	17,000
SG-82M	0	0	0	---	---	0	---	---	34,000	2,000	27,000
SG-82D	0	0	0	---	---	0	---	---	0	0	1,000

Appendix B2
Historical In-Situ Soil Gas Monitoring Data Detection Summary (August 2012 - 2014)
FGGM 93 Manor View Dump Site
Fort George G. Meade, Maryland

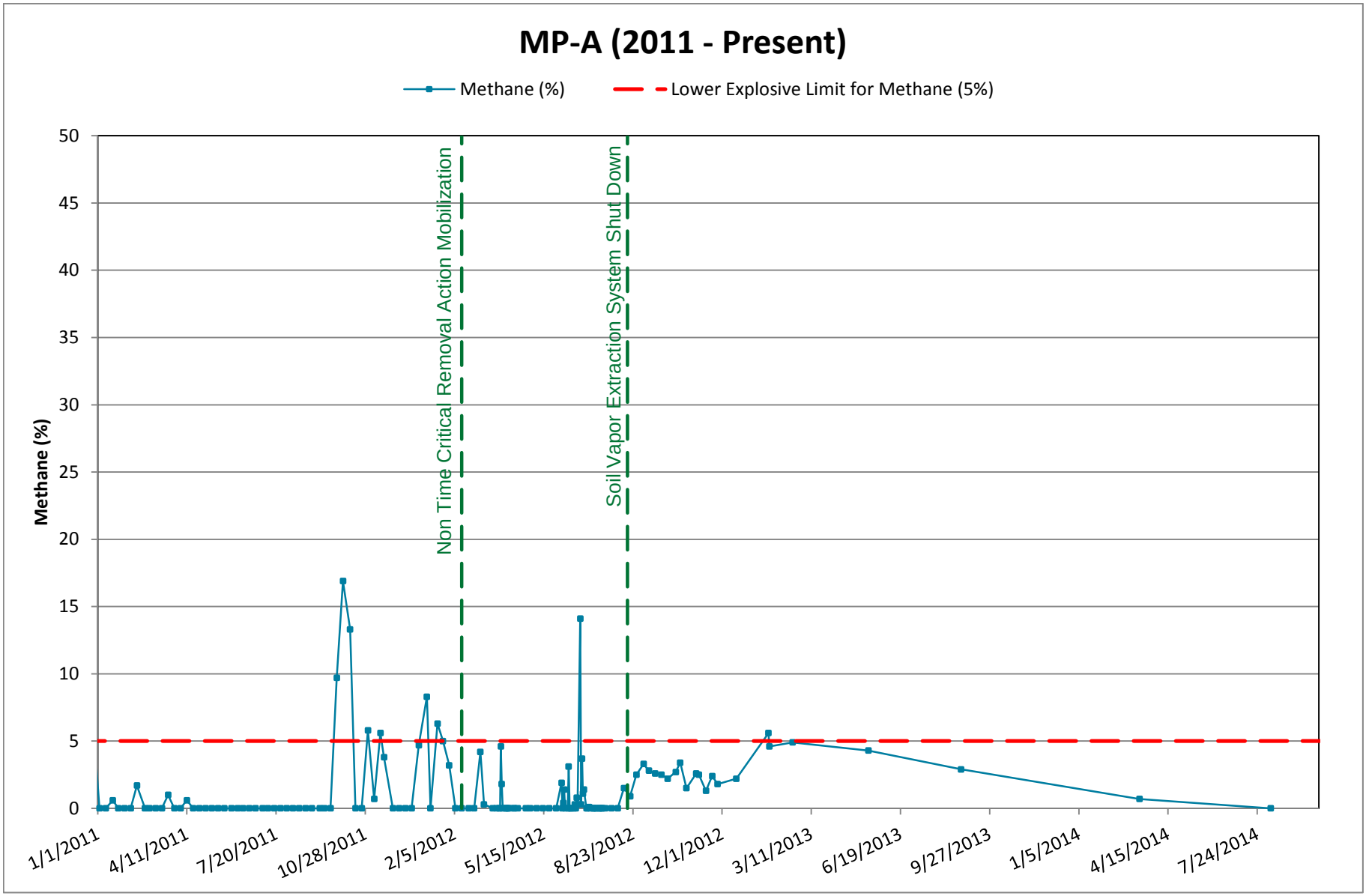
Notes:

(1) All methane concentrations are presented in parts per million by volume and can be converted to percent by volume by dividing by 10,000.
(2) Methane concentrations exceeding the Lower Explosive Limit for methane (50,000) are shaded gray and boldfaced.
(3) The following Remedial Investigation (RI) monitoring locations were added to the monitoring program in November 2012: SG-50, SG-82S, SG-82M, SG-82D, SG-84S, SG-84M, and SG-84D.
(4) Beginning August 13, 2012, a three volume purge methodology was implemented at the Site. Subsequent to this date, concentrations presented were measured following the completion of purge activities.
(5) The SVE system was shutdown on August 17, 2012.
(6) --- - No data recorded

Appendix C

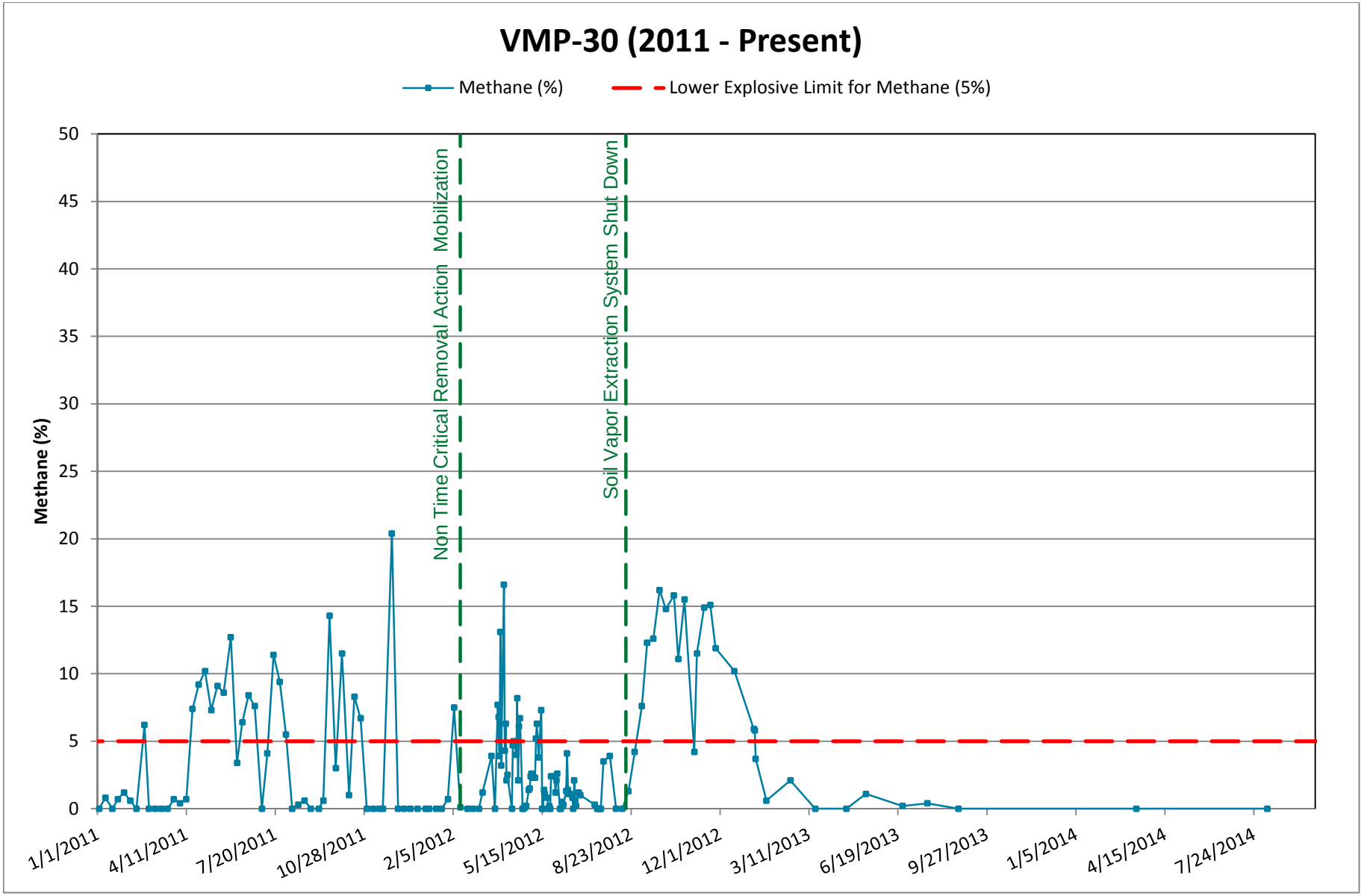
Select Methane Trend Plots

Appendix C
Select Methane Trend Plots
FGGM 93 Manor View Dump Site
Fort George G. Meade, Maryland



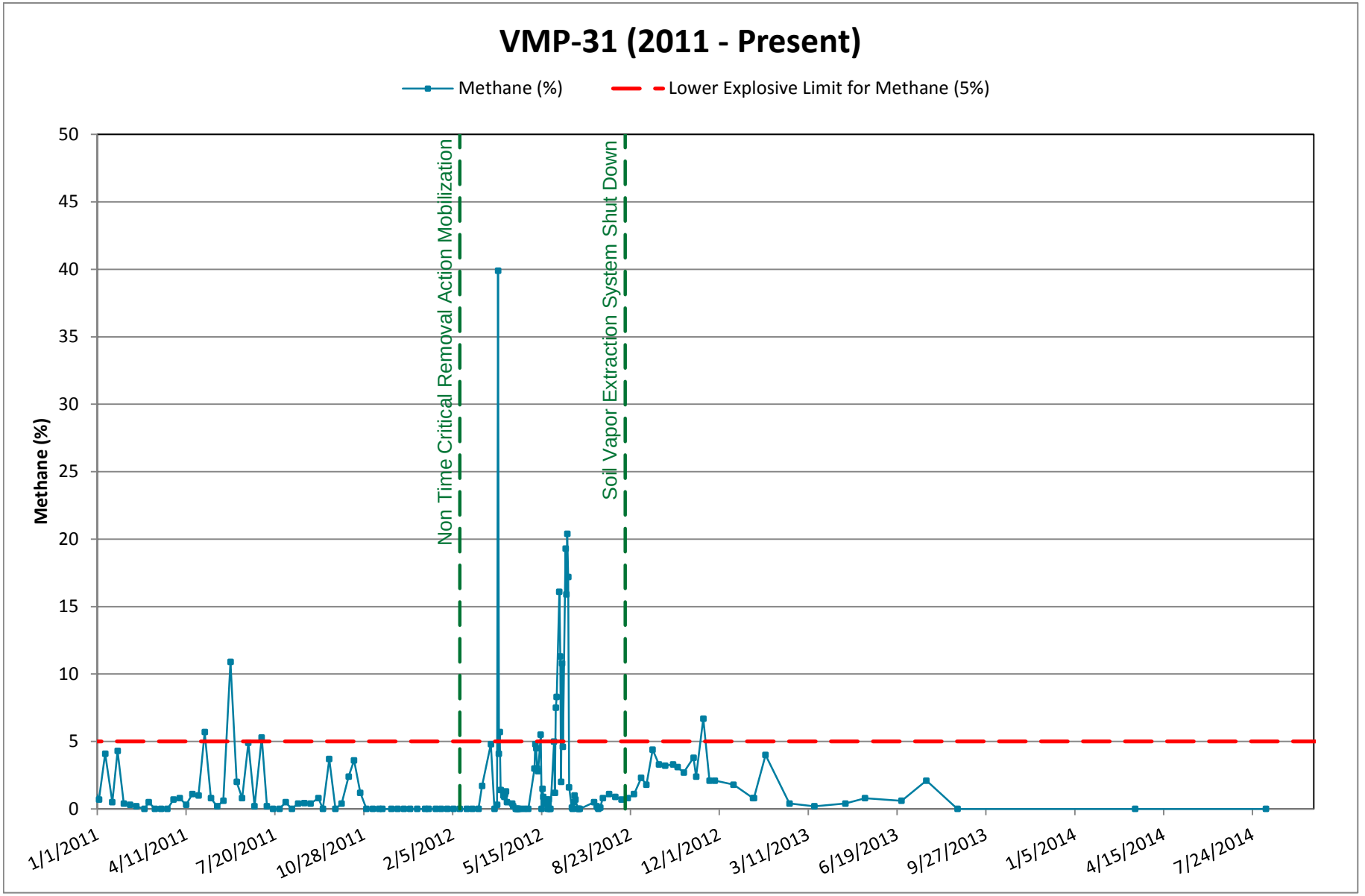
*Methane concentrations greater than the detectable range of the GEM 2000 are graphed above at 100%.

Appendix C
Select Methane Trend Plots
FGGM 93 Manor View Dump Site
Fort George G. Meade, Maryland



*Methane concentrations greater than the detectable range of the GEM 2000 are graphed above at 100%.

Appendix C
Select Methane Trend Plots
FGGM 93 Manor View Dump Site
Fort George G. Meade, Maryland



*Methane concentrations greater than the detectable range of the GEM 2000 are graphed above at 100%.

Historical Methane Data
FGGM-93 Manor View Dump Site
Fort George G. Meade, Maryland