

**TECHNICAL MEMORANDUM
LONG TERM MONITORING OF
LANDFILL AREAS OF CONCERN
FORMER GRIFFISS AIR FORCE BASE
ROME, NEW YORK**

PREPARED FOR: Mr. David Farnsworth/Former Griffiss Air Force Base (AFB) Base Realignment and Closure (BRAC) Environmental Coordinator (BEC) and Contracting Officer's Representative (COR)

PREPARED BY : Bhate Environmental Associates, Inc.

COPIES: Mr. Robert Morse, United States Environmental Protection Agency (USEPA)
Ms. Heather Bishop, New York State Department of Environmental Conservation (NYSDEC)

DATE: May 9, 2017

INTRODUCTION AND OBJECTIVES

Bhate Environmental Associates, Inc. (Bhate) was retained by the Air Force Civil Engineer Center (AFCEC), Contract Number FA8903-16-F-0012, to conduct environmental remediation activities to achieve performance objective goals at multiple sites at the former Griffiss Air Force Base (AFB) and the former Plattsburgh AFB. Under this contract, Bhate has prepared this Technical Memorandum (Tech Memo) for the landfill areas of concern (AOCs) at Griffiss AFB, which include:

- LF001 – Landfill 1 AOC
- LF002 – Landfill 2/3 AOC
- LF003 – Landfill 7 AOC
- LF007 – Landfill 5 AOC
- LF009 – Landfill 6 AOC

The long term monitoring (LTM) program was developed for each Landfill AOC using the New York Codes of Rules and Regulations (NYCRR) Part 360 Regulations (NYSDEC, December 2016). The purpose of this Tech Memo is to document LTM completed at these landfills in the Fall of 2016. The Spring 2016 LTM is documented in the Final 2016 Semiannual Long Term Monitoring Report for Landfill Areas of Concern (FPM Remediations, Inc. [FPM], July 2016), which included the Spring landfill cap inspections and maintenance along with LF001 groundwater and surface water sampling. All activities performed at the Landfill AOCs are based on the elements provided in each Landfill AOC individual work plan as referenced in the following sections. Locations of the Former Griffiss AFB and the five landfill AOCs are presented on **Attachment A-Figure 1**.

All of the former Griffiss AFB landfills implemented a presumptive remedy alternative. The presumptive remedy implemented at these landfills includes the use of engineering controls,

institutional controls, and monitoring. The remedial action objectives (RAOs) presented within the Record of Decisions (RODs) for the landfills are the same and have been met through implementation of the presumptive remedy. Specifically, the RAOs are:

- Consolidation of various debris and waste areas into the main landfill boundary in order to reduce the area to be capped and the potential for nearby wildlife and human populations to be exposed to the landfill mass;
- Reduce infiltration of rainwater and snowmelt water through the landfill mass in order to minimize the potential for leachate generation and groundwater contamination;
- Monitoring the groundwater and stream environment (which may include, but is not necessarily limited to, sediment, surface water, and biota) downgradient of the site; and
- Implementation of institutional controls in the form of deed restrictions of the main landfill boundary to prohibit use of the area and groundwater.

Per Title 6 of the Codes, Rules and Regulations of New York (CRR-NY) Part 360, the gas monitoring points at LF001, LF002 and LF009 must be maintained and sampled during the post-closure period for a minimum of 30 years. Since each of these landfills have been monitored for over five years, modifications to sampling and analysis requirements may be requested. Under 6 CRR-NY 360, the concentration of methane and other explosive gases generated by the facility must not exceed 25 percent (%) of the lower explosive limit (LEL) for gases in structures on or off-site, excluding gas control or recovery system components; and the lower explosive limit for the gases at or beyond the property boundary. Therefore, further optimization is based upon no detection of either methane or LEL in the landfill gas vent or gas monitoring probe for at least four consecutive years.

LF001 – Landfill 1 AOC

LF001 (Landfill 1 AOC) is located in the northern portion of the former Griffiss AFB and is approximately 22 acres in size. **Attachment A-Figure 2** presents the LF001 (Landfill 1 AOC) site map. The wastes disposed within LF001 consisted of general refuse, hardfill, and boiler ash, buried using trench and cover methods. An estimated 90,000 to 100,000 cubic yards (CY) of wastes were disposed of at the site from 1960 to 1973. Groundwater flow rate at LF001 is approximately 2,000 feet per year, and groundwater flows to the southwest (FPM, December 2015). The ROD for LF001 was signed by the United States Environmental Protection Agency (USEPA) on June 5, 2000, which required landfill capping. In accordance with the ROD, the landfill was re-graded and capped in 2003. The cap components include a gas venting layer, a low-permeability layer, drainage layer, barrier protection layer, and a topsoil layer.

Landfill Gas Monitoring

Landfill gas monitoring is performed at LF001 (Landfill 1 AOC) to identify the presence and concentration of methane at or near the landfill. On December 6, 2016, Bhate completed landfill gas monitoring at LF001 (Landfill 1 AOC). A total of 9 gas monitoring probes and 24 landfill gas vents were monitored in December 2016 (**Attachment B-Table 1**). One of the landfill gas vents planned for sampling was determined to be previously abandoned. Results from the gas

sampling event at LF001 (Landfill 1 AOC) continues to have methane detected in 5 of the 9 probes and 5 of the 24 vents. The highest methane concentration was detected at LF1GMP-09 at 22.7 %. This probe is located just south of the landfill boundary on the eastern side of the landfill. Both probes LF1GMP-03 and LF1GMP-06 had methane measured at approximately 9 %. These two probes are located just outside of the landfill boundary to the west and northeast, respectively. However, methane concentrations at point of compliance (POC) gas monitoring probes (LF1GMP-01, LF1GMP-04, LF1GMP-13 and LF1GMP-16) were not detected during the December 2016 sampling event. The lack of methane detected at the POC gas monitoring probes demonstrates continued protection of potential receptors. In addition, the passive gas trench, installed near the northwestern perimeter of LF001 (Landfill 1 AOC), appears to remain an effective barrier for migration of methane into neighboring properties.

Landfill Inspections

Since April 2005, landfill inspections and cover maintenance have been performed at LF001 (Landfill 1 AOC). Inspections and maintenance were optimized following the Spring 2010 sampling event and are now conducted on a semiannual basis with annual landfill cover mowing (Fall). Land Use Control/Institutional Controls (LUC/ICs) were implemented in accordance with the ROD and are verified annually as part of the landfill cover inspection program. The Fall 2016 inspections were performed in conjunction with the landfill gas monitoring. The landfill inspection report for Fall 2016 is presented in **Attachment C**. The location of photos taken during the LF001 inspection are presented on **Figure 2 within Attachment A**. No issues were identified during the inspection performed on December 6, 2016, with the exception of a broken nozzle at landfill gas probe LF1GMP-04 and a cross-threaded lid at LF1GV-06. Standing water was observed in the northwest corner of the landfill, at the base of a shallow slope in the vicinity of vent LF1GV-29

Conclusions and Recommendations

The inspections did not identify any major deficiencies that would jeopardize the integrity of the cover, and there is optimal vegetation cover present on the cap. No significant weather events have occurred in 2016 that resulted in additional inspections. Based on the *Final Optimization Plan for Landfill Areas of Concern Long-Term Management Program* (Bhate, November 2016), it is recommended that the frequency of landfill cap inspections continue semiannually with a limited landfill inspection in the Spring and the more comprehensive inspection in the Fall to correlate with annual mowing and landfill gas monitoring. The nozzle on gas probe LF1GMP-04 is recommended for repair along with the cross-threaded lid at LF1GV-06. Also, the northwest portion of the landfill will be re-inspected to evaluate potential damage to the cap (e.g. erosion) from the standing water observed near vent LF1GV-29. Based on historical landfill gas monitoring coupled with the Fall 2016 gas monitoring results, the passive gas trench along the northwest side of the landfill is operating properly. Therefore, elimination of continued monitoring of vent LF1GV-28 is recommended based upon a lack of methane detections since October 2010. **Attachment A-Figure 3** shows the LF001 (Landfill 1 AOC) proposed Fall 2017 landfill gas sampling locations.

LF002 – Landfill 2/3 AOC

LF002 (Landfill 2/3 AOC) is approximately 13 acres in size and is located in the northeastern portion of the base. **Attachment A-Figure 4** presents the LF002 (Landfill 2/3 AOC) site map. The wastes at LF002 consisted of hardfill in the southern portion of Landfill 2, on-board aircraft wastes in the northern portion of Landfill 2 and approximately 1 ton of wetted and double-bagged asbestos waste in Landfill 3, located in the eastern portion of Landfill 2. The ROD for LF002 was signed by the USEPA on June 5, 2000. In accordance with the ROD, the landfill was re-graded and capped during the summer of 2003. The cap components include a gas venting layer, a low-permeability layer, drainage layer, barrier protection layer, and a topsoil layer. LTM was initiated at LF002 in December 2003.

Landfill Gas Monitoring

Landfill gas monitoring has been performed at LF002 (Landfill 2/3) to identify the presence and concentration of methane at or near the landfill. A total of 9 gas monitoring probes and 14 landfill gas vents are monitored annually (**Attachment B-Table 2**). Results from the gas sampling events at LF002 (Landfill 2/3) continue to show site-wide stabilization of methane concentrations. Methane was detected in two of the nine probes but at concentrations of less than 1 %. In addition, 5 of the 14 vents had methane detected. The highest methane reading was present at vent LF2VENT-06 with a concentration of 4.5 %. Vent LF2VENT-06 is located within the eastern side of the landfill and has historically contained the highest methane readings. Nearby LF2VENT-12 and probe GMP-06 did not show methane detections.

Landfill Inspections

Since April 2005, landfill inspections and cover maintenance have been performed at LF002 (Landfill 2/3 AOC). Inspections and maintenance were conducted on a quarterly basis and optimized following the Spring 2010 sampling event to a semiannual basis. Landfill cover mowing is conducted on an annual basis (Fall). LUC/ICs have been implemented by the ROD and are verified annually as part of the landfill cover inspection program. The Fall inspections are performed in conjunction with the annual landfill gas monitoring. The landfill inspection report for Fall 2016 is presented in **Attachment C**. An animal burrow was observed at the base of vent LF2VENT-03. No other animal burrows or cap damage were observed. The lock present on probe GMP-03 was seized during the initial site visit, but was freed using hand tools and lubricant the following day, allowing for landfill gas monitoring to occur at this location. Lubricant was also applied to the lock present on the Perimeter Road gate.

Conclusions and Recommendations

The inspections did not identify any major deficiencies that would jeopardize the integrity of the cover and there is optimal vegetation cover present on the cap. However, the animal burrow observed at LF2VENT-03 is recommended for filling in the Spring. No significant weather events have occurred in 2016 that warranted additional inspections. Based on the *Final Optimization Plan for Landfill Areas of Concern Long-Term Management Program* (Bhate, November 2016), it is recommended that the frequency continue semiannually with a limited landfill inspection in the Spring and the more comprehensive inspection in the Fall to correlate with annual mowing and landfill gas monitoring. Results from the gas sampling events at LF002 (Landfill 2/3 AOC)

continue to show site-wide stabilization of methane concentrations. Based upon historical data (FPM, December 2015) coupled with the Fall 2016 readings, Bhate recommends the following vents and gas monitoring probes be eliminated from the Fall 2017 gas monitoring.

- **Gas monitoring probes:** LF2GMP-01, LF2GMP-04, LF2GMP-07, and LF2GMP-09
- **Vents:** LF2VENT-03, LF2VENT-09, LF2VENT-10, and LF2VENT-11

These sample locations were selected because methane has not been detected in any of these monitoring points for at least four consecutive years. **Attachment A-Figure 5** shows the LF002 (Landfill 2/3 AOC) proposed Fall 2017 landfill gas sampling locations.

LF003 – Landfill 7 AOC and LF007 – Landfill 5 AOC

LF003 (Landfill 7 AOC) is approximately 11 acres in size, was active from 1950 through 1954, and is located northeast of Runway 15/33 (**Attachment A-Figure 6**). The wastes disposed of at this landfill consisted of domestic refuse, solid waste, liquid wastes, petroleum products, and miscellaneous Base operations waste (such as airplane parts). Waste was placed into four trenches in the landfill area and subsequently burned. The ROD for LF003 (Landfill 7 AOC) was signed by the USEPA on June 6, 2000. In accordance with the ROD, the landfill was re-graded and capped in 2002. The landfill was capped with an 18-inch low permeability soil layer, covered by a 6-inch layer of topsoil, and seeded with grass (FPM, December 2015).

LF007 (Landfill 5 AOC) is approximately 4 acres in size and is located in the south-central portion of the base (**Attachment A-Figure 7**). The waste at LF007 consisted of domestic wastes, reportedly having been burned and then buried. Approximately 18,000 CY of wastes were disposed of at the site from 1950 through 1960. The ROD for LF007 was signed by the USEPA on June 5, 2000. In accordance with the ROD, the landfill was re-graded and capped in 2002. The cap components include a low-permeability layer, drainage layer, barrier protection layer, and a topsoil layer. LTM was initiated in February 2003.

Landfill Gas Monitoring

Landfill gas monitoring is not required at LF003 (Landfill 7 AOC) or LF007 (Landfill 6 AOC).

Landfill Inspections

Since September 2003, landfill inspections and cover maintenance have been performed at LF003 (Landfill 7 AOC) and LF007 (Landfill 5 AOC). Inspections and maintenance were conducted on a quarterly basis and optimized following the Spring 2010 sampling event to a semiannual basis. Landfill cover mowing is conducted on an annual basis (Fall). LUC/ICs have been implemented by the ROD and are verified annually as part of the landfill cover inspection program. The 2016 Fall inspections were performed in conjunction with the Base-wide LUC/IC Site Inspections on October 11, 2016. As documented in the *Final 2016 Land Use Controls/Institutional Controls Site Inspection Report* (Bhate, January 2017), monitoring wells, signage, and the cover appeared in good condition. **Attachment C** contains photos from the landfill inspections.

Conclusions and Recommendations

The inspections did not identify any major deficiencies that would jeopardize the integrity of the cover and there is optimal vegetation cover present on the cap. No significant weather events

have occurred in 2016 that warranted additional inspections. Based on the *Final Optimization Plan for Landfill Areas of Concern Long-Term Management Program* (Bhate, November 2016), it is recommended that the frequency continue semiannually with a limited landfill inspection in the Spring and the more comprehensive inspection in the Fall to correlate with annual mowing.

LF009-Landfill 6 AOC

LF009 (Landfill 6 AOC) is approximately 15.7 acres in size and is located near the southern boundary of the base. **Attachment A-Figure 8** presents the LF009 (Landfill 6 AOC) site map. The wastes disposed at the landfill include general refuse and hardfill that was buried and some of which was burned at the site. An estimated 38,000 to 62,000 CY of wastes were disposed at the site from 1955 to 1959. During the 1980s, although the landfill was no longer active, an unknown quantity of fuel-contaminated soil from the tank excavations at Tank Farms 1 and 3 was disposed of in the southern portion of LF009 (Landfill 6 AOC). In 1986, a clay cap was constructed over the fuel-contaminated soils area. The ROD for LF009 was signed by the USEPA on June 7, 2001, which required a landfill cap. The cap was completed in 2004 and includes a gas venting layer, a low-permeability layer, drainage layer, barrier protection layer, and a topsoil layer.

Site SD052-02 borders LF009 (Landfill 6 AOC) to the north, as shown on **Attachment A-Figure 8**, and is associated with a plume that is located downgradient of former maintenance facilities in Buildings 774 and 776, and former fuel pump house Building 775. Site SD052-04 is the LF009 (Landfill 6 AOC) trichloroethylene (TCE) Site plume, located immediately downgradient to the south of LF009 (Landfill 6 AOC). The most contaminated portion of the plume is located southwest of the landfill beneath the floodplain of Three Mile Creek. Monitoring of chlorinated volatile organic compounds in groundwater at LF009 (Landfill 6 AOC) is completed as part of remedial efforts at Site SD052-04.

Landfill Gas Monitoring

Landfill gas monitoring has been performed at the site to identify the presence and concentration of methane at or near the landfill. On November 30, 2016, a total of 13 gas monitoring probes and 16 landfill gas vents were monitored (**Attachment B-Table 3**). Results from the gas sampling event at LF009 (Landfill 6 AOC) did not have any elevated readings of methane. The highest detection of methane was 0.1 % in two of the vents, LF6VENT-02 and LF6VENT-04.

Landfill Inspections

Landfill inspections and cover maintenance have been performed at the site since 2006. Inspections and maintenance were conducted on a quarterly basis and optimized following the Spring 2010 sampling event to a semiannual basis. Landfill cover mowing is conducted on an annual basis (Fall). LUC/ICs have been implemented by the ROD and are verified annually as part of the landfill cover inspection program. The 2016 Fall inspections were performed in conjunction with the landfill gas monitoring. The landfill inspection report for Fall 2016 is presented in **Attachment C**. Three separate animal burrows were identified during the landfill inspections (adjacent to vent LF6VENT-10, adjacent to vent LF6VENT-13, and between vents LF6VENT-15 and LF6VENT-16). Intermittent standing water was observed near the west side access road between GMP-13 and GMP-11.

Conclusions and Recommendations

The inspections did not identify any major deficiencies that would jeopardize the integrity of the cover, and there is optimal vegetation cover on the cap. However, the observed animal burrows are recommended for filling in the Spring. Potential cap damage due to the standing water, observed between GMP-13 and GMP-11 on the west side of the access road, should be assessed during the Spring 2017 cap inspection. No significant weather events have occurred in 2016 that warranted additional inspections. Based on the *Final Optimization Plan for Landfill Areas of Concern Long-Term Management Program* (Bhate, November 2016), it is recommended that the frequency continue semiannually with a limited landfill inspection in the Spring and the more comprehensive inspection in the Fall to correlate with annual mowing and landfill gas monitoring. Landfill gas monitoring from 2011 to 2014 shows that methane levels are stable or absent at all of the gas monitoring probes. Based upon historical data (FPM, December 2015) coupled with the Fall 2016 readings, Bhate recommends that landfill gas monitoring for the Fall of 2017 only include the following four vents: LF6VENT-02, LF6VENT-03, LF6VENT-04, and LF6VENT-06. **Attachment A-Figure 9** shows the LF009 (Landfill 6 AOC) proposed Fall 2017 landfill gas sampling locations. This reduction is based upon methane not being detected above 0.1% in the other monitoring points for the past five years.

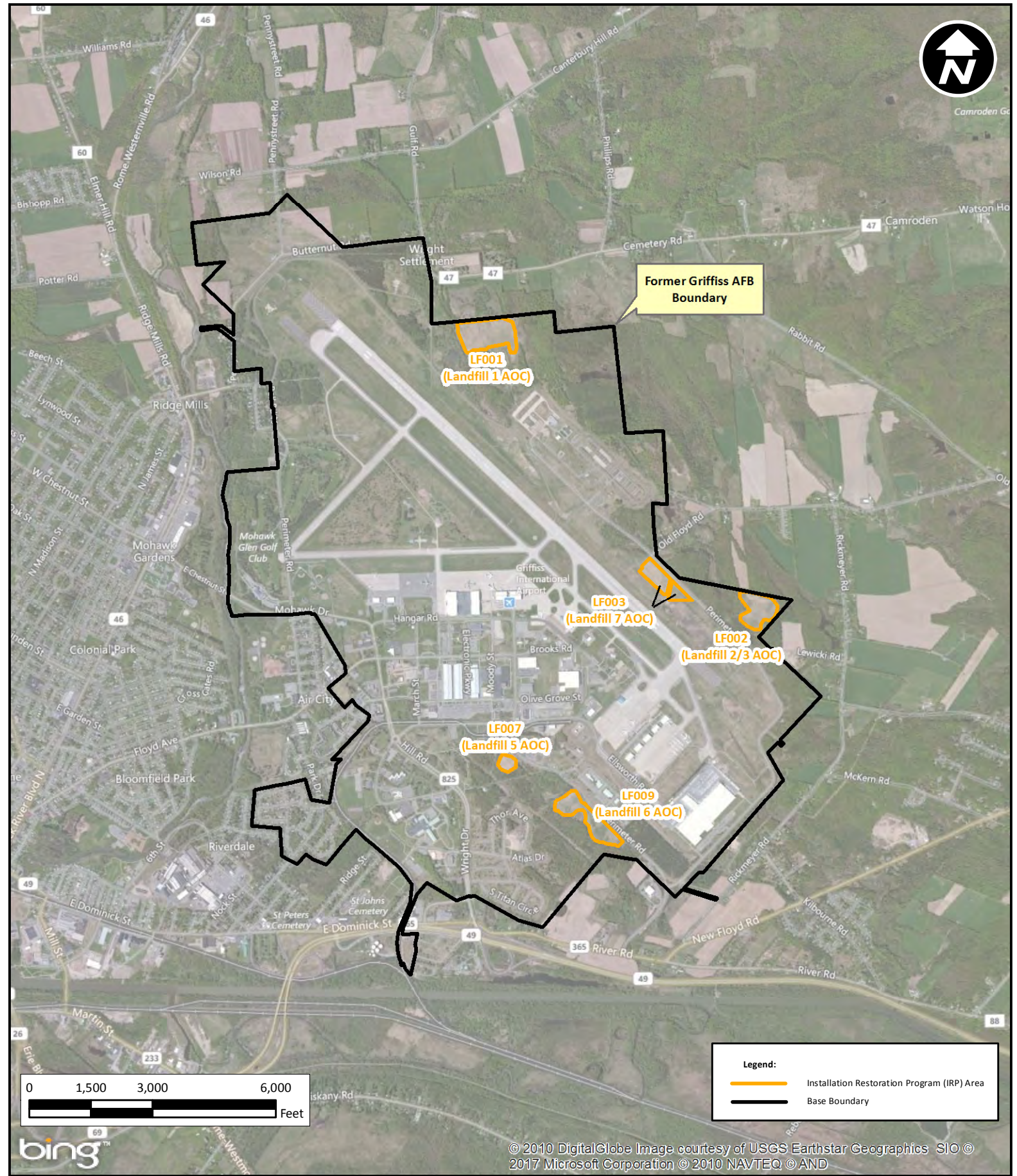
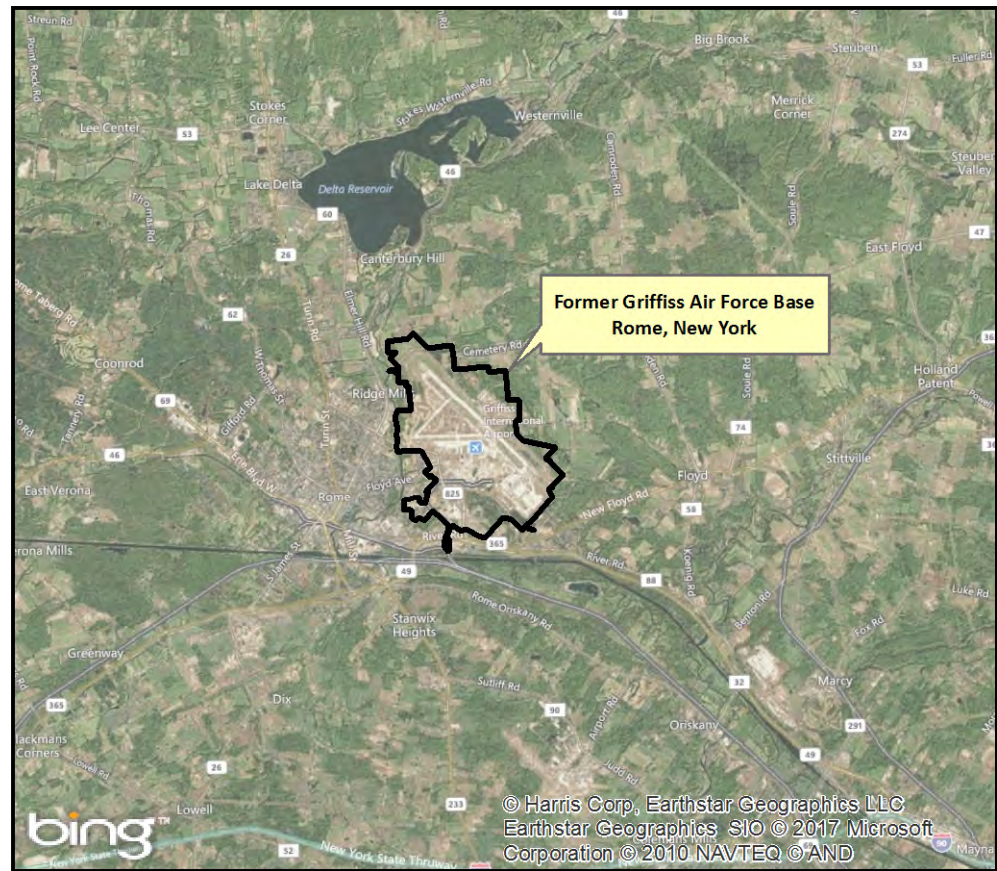
References

- Air Force Real Property Agency (AFRPA). February 2000. *Final Record of Decision for the Landfill 1 Area of Concern at the Former Griffiss Air Force Base, Rome, New York*. (Administrative Record [AR] 1907)
- AFRPA. March 2000. *Final Record of Decision for the Landfill 2/3 Area of Concern at the Former Griffiss Air Force Base, Rome, New York*. (AR 1415)
- AFRPA. March 2000. *Final Record of Decision for the Landfill 7 Area of Concern at the Former Griffiss Air Force Base, Rome, New York*. (AR 1418)
- AFRPA. March 2000. *Final Record of Decision for the Landfill 5 Area of Concern at the Former Griffiss Air Force Base, Rome, New York*. (AR 1417)
- AFRPA. February 2001. *Final Record of Decision for the Landfill 6 Area of Concern at the Former Griffiss Air Force Base, Rome, New York*. (AR 1451)
- Bhate Environmental Associates, Inc. January 2017. *Final 2016 Land Use Controls/Institutional Controls Site Inspection Former Griffiss AFB, Rome New York*.
- Bhate Environmental Associates, Inc. November 2016. *Final Optimization Plan for Landfill Areas of Concern Long-Term Management Program Former Griffiss AFB, Rome New York*. (AR 541369)
- FPM. December 2015. *Final 2015 Annual Long Term Monitoring Report/Optimized Exit Strategy Report Landfill Areas of Concern (LF001 (Landfill 1 AOC), LF002 (Landfill 2/3 AOC), LF003 (Landfill 7 AOC), LF007 (Landfill 5 AOC), and LF009 (Landfill 6 AOC)) Former Griffiss Air Force Base Rome, New York*. (AR 459955)

FPM. July 2016. *Final 2016 Semiannual Long-Term Monitoring Report Landfill Areas of Concerns (LF001 (Landfill 1 AOC), LF002 (Landfill 2/3 AOC), LF003 (Landfill 7 AOC), LF007 (Landfill 5 AOC), and LF009 (Landfill 6 AOC). Former Griffiss Air Force Base Rome, New York.*

NYSDEC, December 2016. *Title 6 of the Codes, Rules and Regulations of New York (CRR-NY) Subpart 360-2 Landfills*

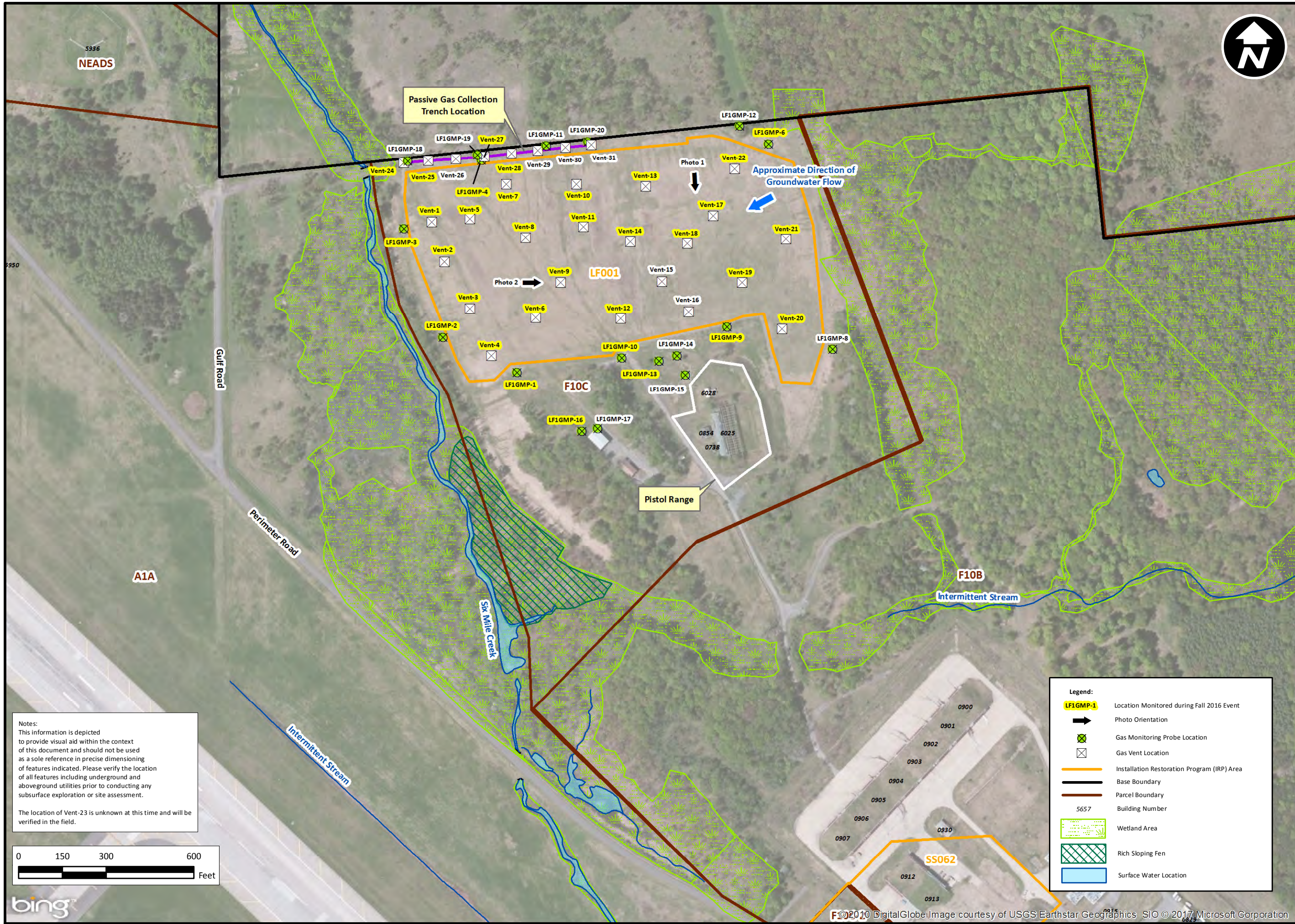
ATTACHMENT A – SITE FIGURES



Former Griffiss Air Force Base
Landfill AOC Sites Location Map

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of Landfill Areas of Concern
Former Griffiss Air Force Base, Rome, New York

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Notes:
 This information is depicted to provide visual aid within the context of this document and should not be used as a sole reference in precise dimensioning of features indicated. Please verify the location of all features including underground and aboveground utilities prior to conducting any subsurface exploration or site assessment.

The location of Vent-23 is unknown at this time and will be verified in the field.

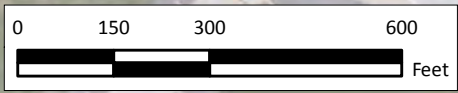
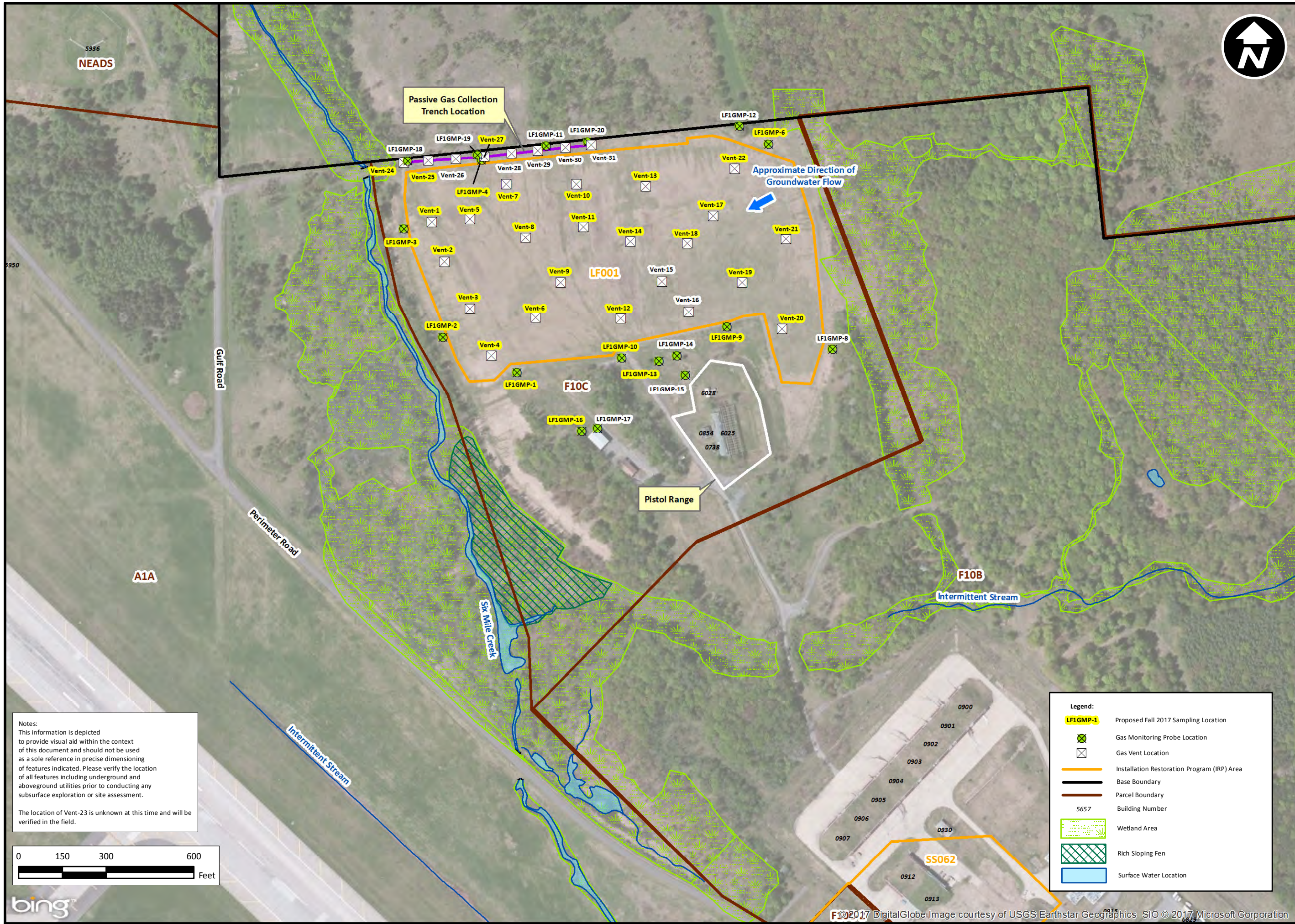


Figure 2

LF001 (Landfill 1 AOC) Fall 2016 Inspection

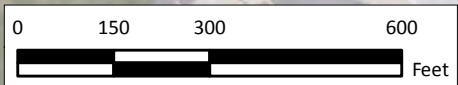
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The location of Vent-23 is unknown at this time and will be verified in the field.



Legend:

- LF1GMP-1 Proposed Fall 2017 Sampling Location
- ⊗ Gas Monitoring Probe Location
- ⊠ Gas Vent Location
- Installation Restoration Program (IRP) Area
- Base Boundary
- Parcel Boundary
- 5657 Building Number
- Wetland Area
- Rich Sloping Fen
- Surface Water Location

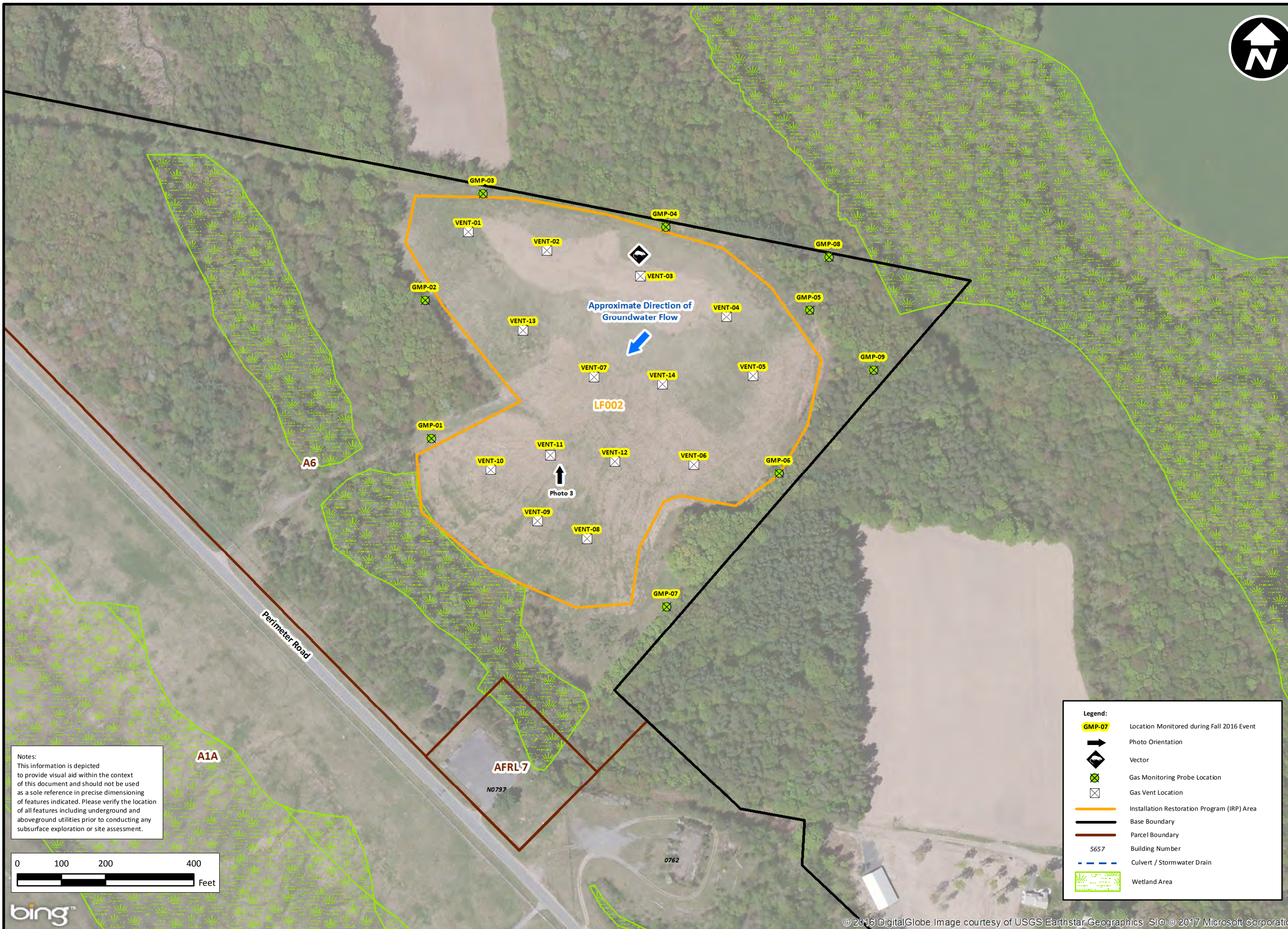
Technical Memorandum Long-Term Monitoring of Landfill Areas of Concern Former Griffiss Air Force Base, Rome, New York	DATE: 2/21/2017	DRAWN BY: MRM
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Figure 3

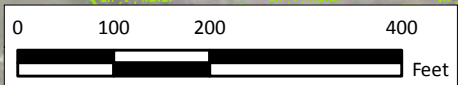


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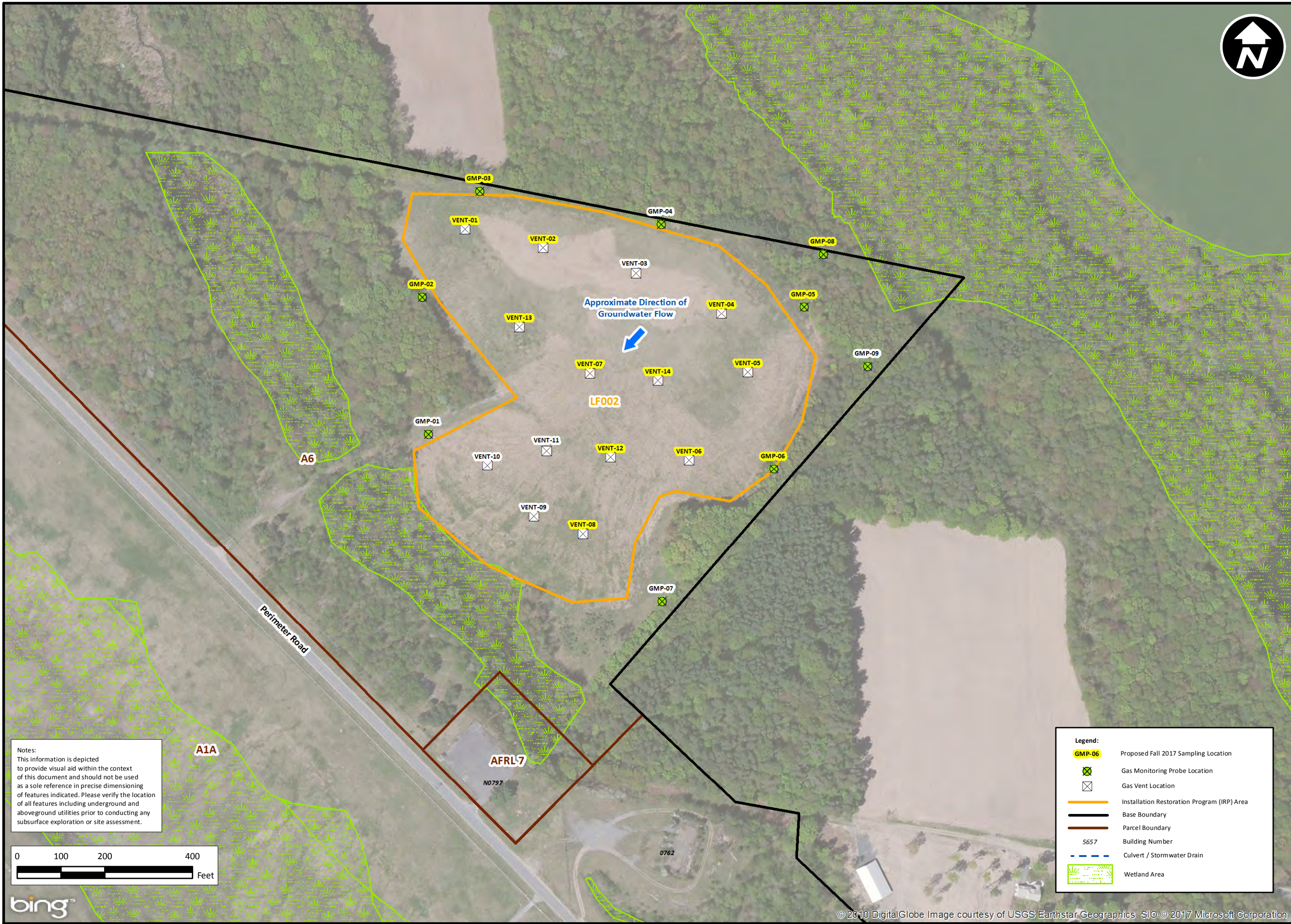


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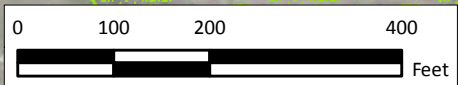


Legend:	
GMP-07	Location Monitored during Fall 2016 Event
	Photo Orientation
	Vector
	Gas Monitoring Probe Location
	Gas Vent Location
	Installation Restoration Program (IRP) Area
	Base Boundary
	Parcel Boundary
	Building Number
	Culvert / Stormwater Drain
	Wetland Area





Notes:
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Legend:	
■ GMP-06	Proposed Fall 2017 Sampling Location
⊗	Gas Monitoring Probe Location
X	Gas Vent Location
	Installation Restoration Program (IRP) Area
	Base Boundary
	Parcel Boundary
5657	Building Number
	Culvert / Stormwater Drain
	Wetland Area

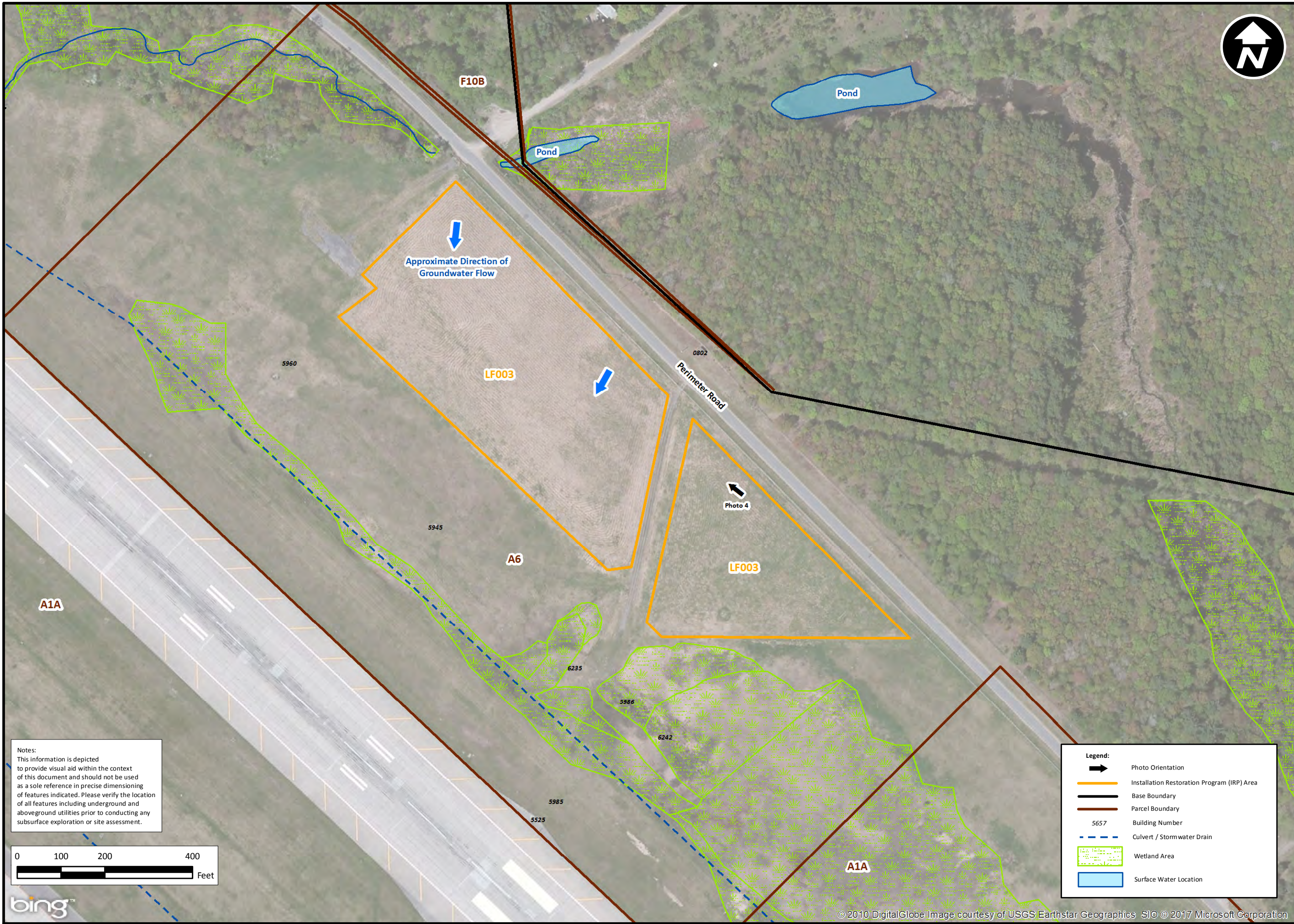
LF002 (Landfill 2/3 AOC) Fall 2017
 Proposed Landfill Gas Monitoring Locations

Figure 5

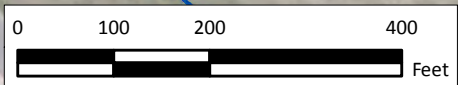
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Legend:

- Photo Orientation
- Installation Restoration Program (IRP) Area
- Base Boundary
- Parcel Boundary
- Building Number
- Culvert / Stormwater Drain
- Wetland Area
- Surface Water Location

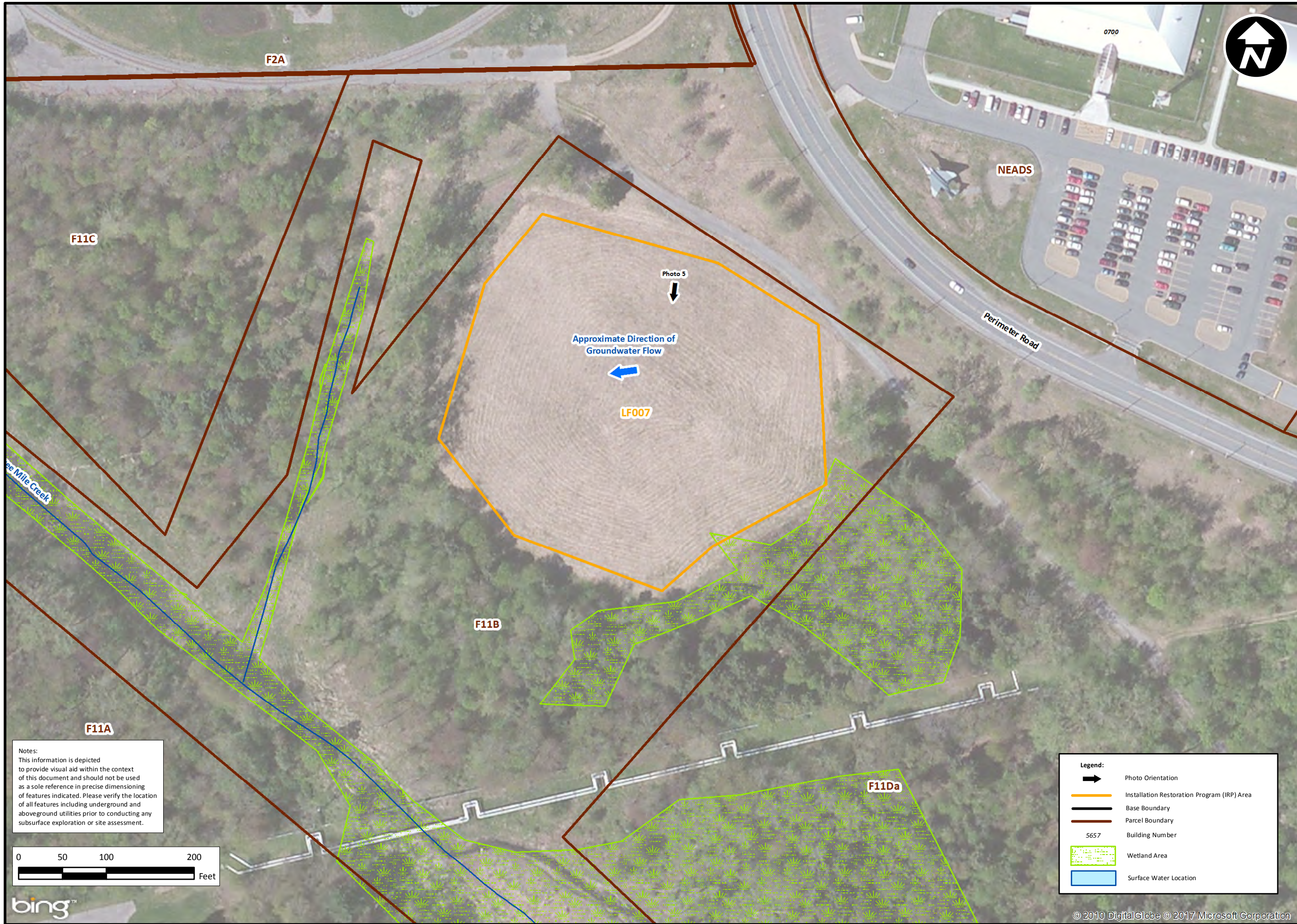
Figure 6

LF003 (Landfill 7 AOC) Fall 2016 Inspection

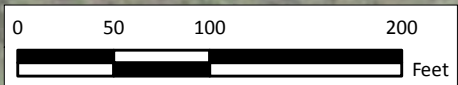
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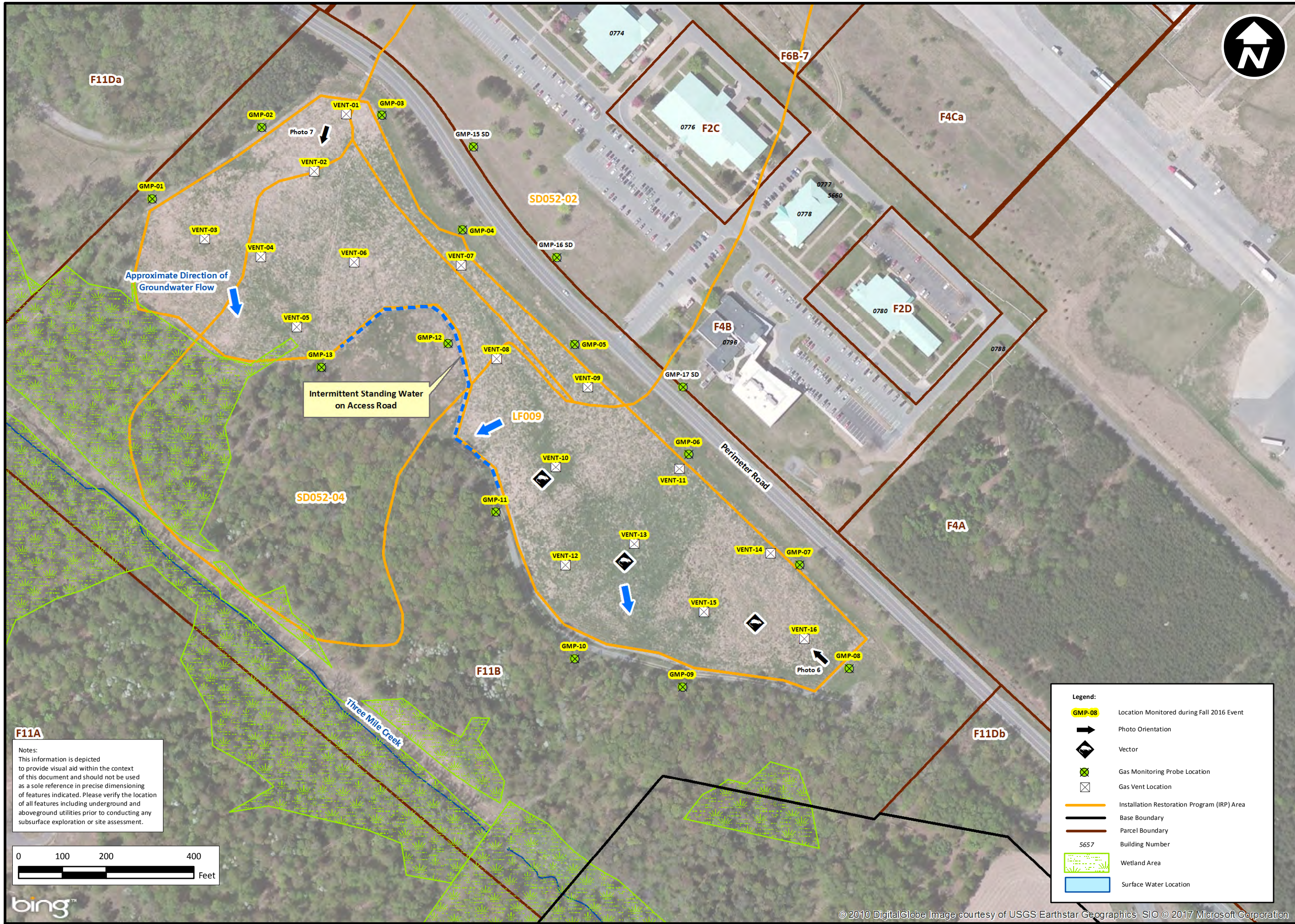
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Legend:	
	Photo Orientation
	Installation Restoration Program (IRP) Area
	Base Boundary
	Parcel Boundary
	Building Number
	Wetland Area
	Surface Water Location

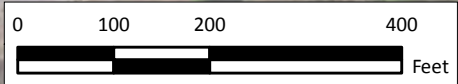
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Figure 7



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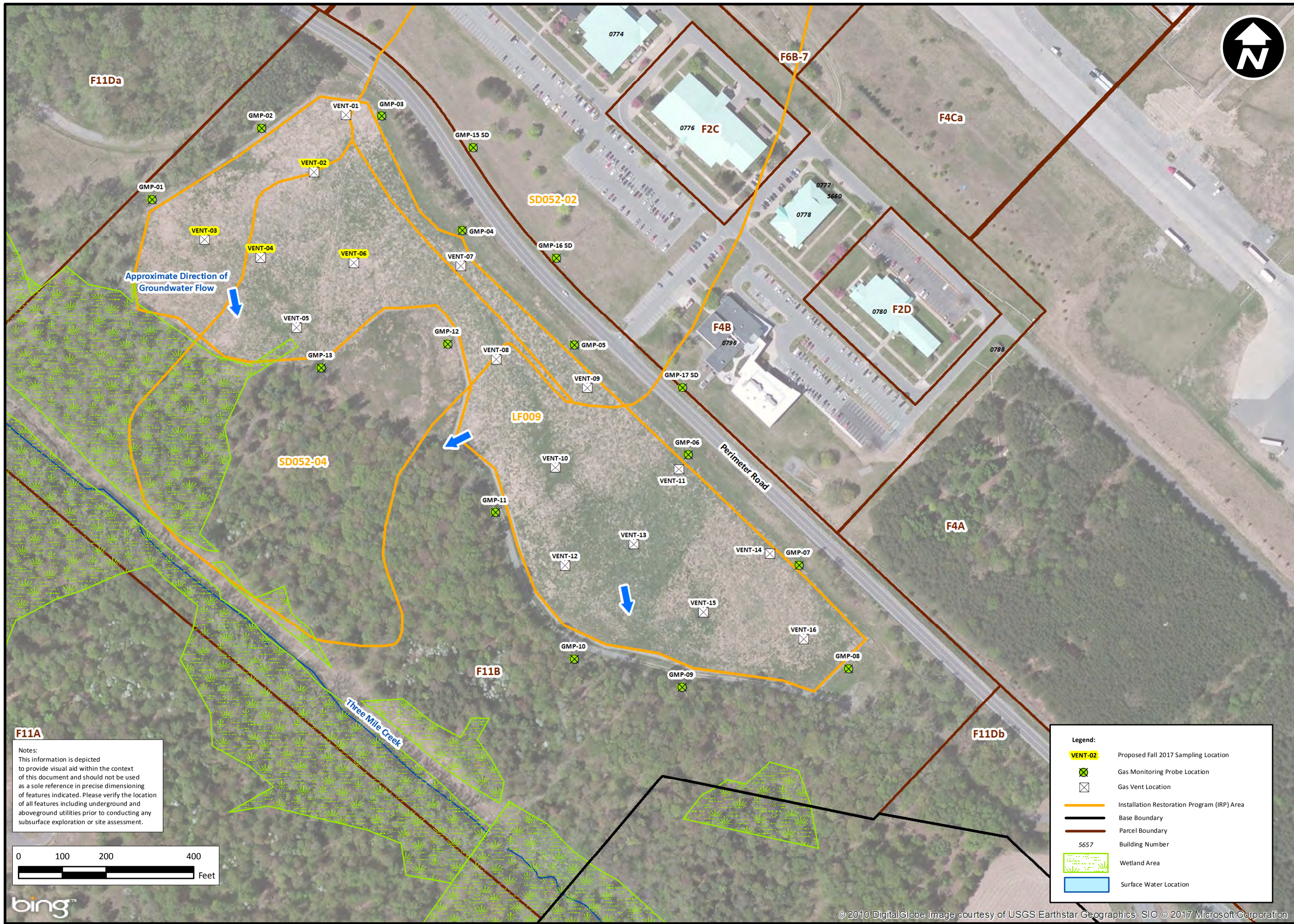
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Legend:	
GMP-08	Location Monitored during Fall 2016 Event
	Photo Orientation
	Vector
	Gas Monitoring Probe Location
	Gas Vent Location
	Installation Restoration Program (IRP) Area
	Base Boundary
	Parcel Boundary
	Building Number
	Wetland Area
	Surface Water Location

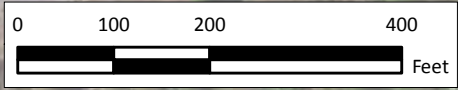
Technical Memorandum Long-Term Monitoring of Landfill Areas of Concern Former Griffiss Air Force Base, Rome, New York	
PROJECT NO: AFCGSA3-0012 00AA-2015	SCALE: As Shown
DATE: 1/25/2017	DRAWN BY: MRM

Figure 8



F11A

Notes:
 This information is depicted to provide visual aid within the context of this document and should not be used as a sole reference in precise dimensioning of features indicated. Please verify the location of all features including underground and aboveground utilities prior to conducting any subsurface exploration or site assessment.



Legend:

VENT-02	Proposed Fall 2017 Sampling Location
	Gas Monitoring Probe Location
	Gas Vent Location
	Installation Restoration Program (IRP) Area
	Base Boundary
	Parcel Boundary
	Building Number
	Wetland Area
	Surface Water Location

PROJECT NO: AFCGSA3-0012 00AA-2015	SCALE: As Shown	DATE: 1/25/2017	DRAWN BY: MRM
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Figure 9

Technical Memorandum Long-Term Monitoring
 of Landfill Areas of Concern
 Former Griffiss Air Force Base, Rome, New York

ATTACHMENT B – DATA TABLES

Table 1
LF001 (Landfill AOC 1) Landfill Gas Monitoring Results (2010-2016)
Former Griffiss Air Force Base
Rome, New York

Sample Location	1-Feb-10				5-May-10				31-Aug-10				26-Oct-10				12-May-11				
	Barometric Pressure (in.) =			29.45-29.50	Barometric Pressure (in.) =			29.04-29.23	Barometric Pressure (in.) =			29.40-29.29	Barometric Pressure (in.) =			29.13-29.20	Barometric Pressure (in.) =			29.41-29.21	
	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	
LF1GMP-01	>100	45.5	2.1	20.6	>100	32.4	2.5	18.8	>100	52.5	0.9	24.6	>100	48.4	2.4	24.7	>100	36.9	0.8	22.2	
LF1GMP-02	0	0.0	14.4	2.1	>100	8.1	0.0	12.8	>100	28.6	0.1	18.1	26	1.3	7.9	3.6	>100	11.7	2.6	12.9	
LF1GMP-03	>100	5.7	8.1	8.1	>100	18.2	0.0	22.1	>100	43.7	0.1	34.6	>100	46.1	0.8	34.0	>100	25.9	0.0	25.4	
LF1GMP-04	10	0.5	14.3	4.5	>100	17.6	0.0	24.2	>100	53.8	0.1	40.9	>100	24.8	8.6	20.4	>100	32.7	0.0	27.4	
LF1GMP-06	>100	70.8	0.0	4.3	>100	44.8	0.0	6.3	>100	79.5	0.3	8.9	>100	24.2	12.9	3.5	>100	70.1	0.0	3.5	
LF1GMP-08	0	0.0	20.5	1.1	0	0.0	16.3	2.5	0	0.0	7.4	8.4	0	0.0	18.8	0.8	0	0.0	14.4	3.4	
LF1GMP-09	47	2.4	7.7	4.0	>100	11.2	0.0	12.5	>100	45.7	0.3	22.9	60	3.0	17.5	1.8	>100	20.5	1.1	7.6	
LF1GMP-10	>100	9.0	6.8	10.7	>100	10.2	0.5	15.1	>100	18.1	0.3	21.6	0	0.0	18.8	0.5	>100	11.2	0.6	15.9	
LF1GMP-11	0	0.0	23.8	0.1	0	0.0	16.1	2.3	0	0.0	15.2	3.3	0	0.0	20.1	0.4	0	0.0	17.1	1.1	
LF1GMP-12	0	0.0	21.4	1.5	0	0.0	18.5	1.5	0	0.0	17.9	2.3	0	0.0	19.9	0.7	0	0.0	19.1	0.5	
LF1GMP-13	0	0.0	18.1	1.3	0	0.0	15.1	2.2	0	0.0	7.4	7.1	0	0.0	19.1	0.4	0	0.0	13.5	1.7	
LF1GMP-14	0	0.0	21.6	0.6	0	0.0	19.0	0.5	0	0.0	15.6	2.0	0	0.0	18.9	0.4	0	0.0	18.4	0.4	
LF1GMP-15	0	0.0	22.3	0.1	0	0.0	19.2	0.5	0	0.0	18.6	1.3	0	0.0	18.6	0.8	0	0.0	18.8	1.3	
LF1GMP-16	0	0.0	19.9	1.5	0	0.0	19.1	1.6	0	0.0	17.7	2.5	0	0.0	18.7	1.7	0	0.0	18.7	1.4	
LF1GMP-17	0	0.0	19.6	1.5	0	0.0	19.4	1.5	0	0.0	17.5	2.5	1	0.1	19.7	0.8	0	0.0	18.4	1.4	
LF1GMP-18	0	0.0	22.0	0.1	0	0.0	19.6	0.2	0	0.0	17.5	2.4	0	0.0	19.6	1.0	0	0.0	19.7	0.0	
LF1GMP-19	0	0.0	22.0	0.3	0	0.0	18.6	0.7	53	2.6	7.1	5.2	0	0.0	20.2	0.3	0	0.0	17.0	0.4	
LF1GMP-20	2	0.1	22.7	0.1	0	0.0	19.6	0.0	0	0.0	20.1	0.0	0	0.0	20.3	0.3	0	0.0	19.9	0.0	
LF1GV-01	0	0.0	22.1	0.2	>100	8.0	13.6	8.1	>100	26.3	8.8	23.2	9	0.5	15.4	6.4	>100	7.2	15.9	5.9	
LF1GV-02	2	0.1	21.3	0.5	>100	7.6	12.5	9.8	>100	11.8	14.7	9.6	32	1.6	15.3	6.7	>100	14.0	10.5	12.7	
LF1GV-03	3	0.1	21.0	0.7	>100	5.4	14.0	6.8	>100	27.5	8.0	21.0	>100	8.5	12.9	9.1	>100	32.7	0.0	28.6	
LF1GV-04	0	0.0	22.0	0.3	>100	15.2	0.3	20.9	>100	24.2	5.5	22.2	>100	10.3	9.7	13.3	>100	20.8	4.4	20.4	
LF1GV-05	>100	6.1	19.5	8.8	>100	5.7	14.8	6.7	>100	23.7	10.0	19.3	17	0.9	14.8	7.6	>100	14.5	13.5	12.3	
LF1GV-06	>100	7.4	2.9	17.1	>100	8.2	6.8	12.2	>100	32.8	4.3	25.3	56	2.8	10.8	13.2	>100	20.3	7.9	17.8	
LF1GV-07	>100	6.6	14.6	7.3	3	0.1	20.9	0.1	>100	16.1	13.6	14.2	15	0.9	15.7	6.4	>100	12.6	15.0	8.4	
LF1GV-08	>100	6.5	17.0	4.8	13	0.6	20.6	0.5	>100	9.5	16.7	6.2	14	0.7	15.7	5.1	>100	6.6	17.8	4.3	
LF1GV-09	47	2.3	19.2	2.1	16	0.8	20.6	0.7	>100	9.8	16.4	6.8	8	0.4	15.4	5.7	>100	10.7	16.6	4.6	
LF1GV-10	>100	5.0	8.4	11.8	2	0.1	20.7	0.2	>100	15.4	13.4	13.0	76	3.8	11.8	13.4	>100	11.3	14.0	9.6	
LF1GV-11	79	3.9	18.4	3.1	3	0.1	20.8	0.2	>100	5.2	18.0	3.9	11	0.6	15.9	5.6	>100	8.4	17.2	4.5	
LF1GV-12	60	3.0	16.9	4.2	3	0.2	20.6	0.3	>100	14.5	13.1	12.4	28	1.4	14.4	8.0	81	4.0	18.3	4.1	
LF1GV-13	>100	20.4	0.4	22.5	2	0.1	20.3	0.9	>100	13.5	12.8	11.4	90	4.3	9.8	14.6	>100	13.0	11.3	10.7	
LF1GV-14	>100	5.0	17.5	3.9	46	2.3	19.7	1.3	>100	5.0	18.2	3.5	11	0.6	15.2	5.9	>100	6.7	16.9	4.3	
LF1GV-15	24	1.2	17.9	2.8	5	0.2	20.6	0.4	>100	6.5	16.6	6.9	0	0.0	16.8	3.4	77	4.0	17.5	3.6	
LF1GV-16	6	0.3	18.3	1.9	0	0.0	20.9	0.0	>100	8.8	14.0	7.5	34	1.7	11.2	9.6	62	3.5	15.1	4.7	
LF1GV-17	31	1.5	21.1	1.3	37	1.7	19.9	1.4	>100	5.8	17.5	5.1	17	0.9	15.4	6.2	>100	6.0	17.7	4.0	
LF1GV-18	22	1.1	20.6	1.4	21	1.0	20.0	0.9	>100	9.3	15.9	6.9	13	0.7	15.7	4.8	74	3.7	18.4	2.9	
LF1GV-19	52	2.5	17.5	3.3	8	0.3	20.5	0.5	>100	15.4	12.5	10.3	63	3.1	10.8	10.0	>100	9.9	14.2	7.2	
LF1GV-20	58	2.9	18.7	1.9	28	1.4	20.1	0.6	>100	10.1	13.5	6.5	62	3.1	9.9	9.5	>100	11.2	11.8	7.0	
LF1GV-21	>100	5.9	18.9	2.4	76	3.8	19.6	1.1	>100	17.5	14.0	6.7	47	2.4	13.0	6.6	>100	19.5	12.5	7.1	
LF1GV-22	>100	7.3	16.0	5.5	12	0.6	20.6	0.5	>100	8.6	15.9	6.8	34	1.9	13.7	8.2	>100	7.6	15.7	5.2	
LF1GV-23	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned
LF1GV-24	0	0.0	22.3	0.1	0	0.0	14.9	1.9	>100	18.9	0.4	21.3	0	0.0	19.6	0.5	0	0.0	2.6	10.9	
LF1GV-25	0	0.0	22.2	0.1	0	0.0	16.1	2.8	>100	26.9	0.2	26.5	39	1.9	17.0	3.2	5	0.8	13.1	4.4	
LF1GV-26	0	0.0	22.1	0.2	0	0.0	19.8	0.1	>100	10.8	12.0	10.4	68	3.4	17.8	3.2	0	0.0	20.5	0.0	
LF1GV-27	0	0.0	21.8	0.1	0	0.0	19.6	0.2	33	1.7	18.7	2.9	>100	10.7	13.6	8.0	53	2.2	15.8	4.4	
LF1GV-28	0	0.0	22.0	0.1	0	0.0	17.7	1.4	5	0.2	19.7	0.3	11	0.6	20.2	0.4	0	0.0	20.4	0.0	
LF1GV-29	0	0.0	19.6	1.6	0	0.0	19.9	0.1	26	1.3	17.8	2.4	>100	8.8	11.4	8.2	0	0.0	20.4	0.0	
LF1GV-30	0	0.0	21.9	0.1	0	0.0	19.6	0.3	>100	8.6	10.4	11.7	0	0.0	20.2	0.4	0	0.0	20.6	0.0	
LF1GV-31	0	0.0	21.8	0.1	0	0.0	14.2	4.1	>100	5.6	9.5	9.0	0	0.0	19.5	0.7	0	0.0	19.3	1.2	

Notes:
> = Greater than
% = percent
in. = inches
LEL = Lower Explosive Limit
-- = Not Monitored

Table 1
LF001 (Landfill AOC 1) Landfill Gas Monitoring Results (2010-2016)
Former Griffiss Air Force Base
Rome, New York

Sample Location	18-Oct-11				7-May-12				4-Oct-12				29-Apr-13				21-Oct-13				
	Barometric Pressure (in.) =			29.11-29.14	Barometric Pressure (in.) =			29.02-29.34	Barometric Pressure (in.) =			29.49-29.56	Barometric Pressure (in.) =			29.59-29.63	Barometric Pressure (in.) =			29.35-29.41	
	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	
LF1GMP-01	0	0.0	21.2	0.0	>100	20.4	0.9	22.5	>100	30.5	3.9	19.4	0	0.0	20.8	0.1	>100	23.5	4.9	16.7	
LF1GMP-02	0	0.0	21.2	0.0	>100	21.7	0.0	13.9	>100	16.3	2.3	9.7	0	0.0	20.9	0.1	61	3.0	16.9	3.0	
LF1GMP-03	>100	44.3	0.6	35.2	>100	24.3	0.0	28.1	>100	38.2	1.3	30.8	0	0.0	20.9	0.0	>100	21.9	8.2	15.8	
LF1GMP-04	>100	44.6	0.4	39.5	>100	31.4	0.0	28.4	56	2.8	19.3	3.1	0	0.0	20.8	0.2	>100	21.8	0.2	25.6	
LF1GMP-06	0	0.0	20.8	0.2	>100	52.9	0.0	5.0	>100	77.3	0.2	8.7	>100	25.0	9.2	3.1	>100	7.8	11.4	2.4	
LF1GMP-08	0	0.0	20.0	1.0	0	0.0	13.4	3.4	0	0.0	20.6	0.4	0	0.0	18.8	1.6	28	1.3	0.9	13.2	
LF1GMP-09	59	2.8	17.4	1.8	>100	19.2	0.0	11.5	>100	43.5	1.5	24.4	3	0.1	20.7	0.2	>100	44.2	0.4	18.5	
LF1GMP-10	>100	16.2	2.1	18.1	>100	13.0	0.2	15.1	53	2.5	17.1	4.1	25	1.2	18.8	0.5	>100	13.9	2.1	11.7	
LF1GMP-11	0	0.0	20.3	0.8	0	0.0	17.4	2.7	0	0.0	20.9	0.2	0	0.0	18.6	1.9	0	0.0	18.5	1.8	
LF1GMP-12	0	0.0	20.2	1.6	0	0.0	20.5	1.6	0	0.0	20.7	0.6	0	0.0	19.7	1.2	0	0.0	19.7	1.2	
LF1GMP-13	0	0.0	12.4	4.4	0	0.0	18.3	1.7	0	0.0	20.5	0.3	0	0.0	19.9	0.8	0	0.0	20.0	1.3	
LF1GMP-14	0	0.0	19.6	0.6	0	0.0	21.5	0.3	0	0.0	20.7	0.7	0	0.0	20.9	0.0	0	0.0	13.1	4.5	
LF1GMP-15	0	0.0	20.6	0.6	0	0.0	21.2	0.6	0	0.0	20.0	0.9	0	0.0	17.5	1.6	0	0.0	18.8	1.1	
LF1GMP-16	0	0.0	21.1	0.0	0	0.0	22.0	0.0	0	0.0	20.7	0.2	0	0.0	19.8	1.3	0	0.0	19.2	1.2	
LF1GMP-17	0	0.0	21.1	0.0	0	0.0	18.3	1.7	0	0.0	20.7	0.1	0	0.0	19.7	1.3	0	0.0	20.8	0.7	
LF1GMP-18	0	0.0	21.0	0.5	0	0.0	20.5	1.7	0	0.0	15.0	3.4	0	0.0	20.8	0.1	0	0.0	19.6	1.9	
LF1GMP-19	0	0.0	21.2	0.1	0	0.0	20.4	0.5	0	0.0	17.9	1.9	0	0.0	20.9	0.0	0	0.0	20.8	0.4	
LF1GMP-20	0	0.0	21.4	0.0	0	0.0	21.9	0.0	0	0.0	21.2	0.0	0	0.0	20.8	0.0	0	0.0	20.7	0.0	
LF1GV-01	0	0.0	21.5	0.1	>100	6.0	18.9	5.0	>100	18.9	4.4	21.7	0	0.0	20.9	0.0	79	3.9	16.2	6.3	
LF1GV-02	0	0.0	20.2	1.6	>100	7.4	17.9	6.4	>100	25.4	2.6	26.3	0	0.0	20.8	0.0	>100	6.4	12.1	10.5	
LF1GV-03	0	0.0	21.0	0.4	74	3.8	19.8	3.0	>100	24.9	6.2	23.8	0	0.0	20.7	0.0	59	3.0	15.4	5.8	
LF1GV-04	0	0.0	21.2	0.3	0	0.0	22.0	0.1	>100	17.0	12.9	14.7	0	0.0	20.7	0.0	>100	6.7	8.8	12.5	
LF1GV-05	0	0.0	21.2	0.6	>100	24.9	8.5	21.6	>100	26.7	6.6	25.2	0	0.0	21.1	0.0	>100	6.2	15.2	7.6	
LF1GV-06	0	0.0	21.4	0.2	>100	25.5	2.3	26.0	>100	20.7	3.1	23.9	0	0.0	21.1	0.0	>100	6.8	8.2	12.8	
LF1GV-07	0	0.0	21.9	0.0	>100	9.5	17.4	7.3	>100	20.4	10.7	18.5	0	0.0	21.1	0.0	68	3.9	17.9	4.2	
LF1GV-08	0	0.0	21.8	0.0	>100	22.4	11.8	12.4	>100	13.2	14.4	8.4	5	0.2	21.1	0.1	>100	7.3	16.0	6.9	
LF1GV-09	0	0.0	21.8	0.0	>100	28.4	9.1	18.0	>100	12.3	13.4	10.2	2	0.1	21.1	0.1	79	4.0	15.8	3.7	
LF1GV-10	0	0.0	21.6	0.1	>100	17.8	11.9	16.9	>100	33.3	2.5	31.5	0	0.0	20.9	0.0	>100	9.0	9.7	12.4	
LF1GV-11	0	0.0	22.0	0.0	>100	7.3	18.3	5.4	>100	18.5	9.2	16.2	0	0.0	20.9	0.0	>100	6.0	16.6	4.0	
LF1GV-12	0	0.0	22.0	0.0	>100	32.6	8.5	23.7	>100	15.0	9.7	15.8	0	0.0	21.1	0.0	>100	5.2	9.5	11.1	
LF1GV-13	19	0.9	17.0	4.1	>100	18.6	11.4	14.7	>100	21.0	8.2	18.5	1	0.1	21.0	0.0	>100	5.3	16.8	4.6	
LF1GV-14	6	0.3	21.1	0.7	>100	9.8	16.4	6.8	62	3.0	18.8	3.0	0	0.0	21.0	0.0	47	2.4	19.0	2.1	
LF1GV-15	0	0.0	21.8	0.1	>100	8.3	17.3	4.7	25	1.2	19.5	1.5	0	0.0	21.0	0.0	20	1.0	20.4	1.0	
LF1GV-16	0	0.0	21.9	0.0	>100	8.5	15.7	5.7	0	0.0	21.1	0.0	0	0.0	21.2	0.0	65	3.3	9.1	8.6	
LF1GV-17	10	0.5	20.2	1.4	>100	23.2	10.9	14.9	0	0.0	21.2	0.0	0	0.0	21.1	0.0	80	4.2	17.9	3.7	
LF1GV-18	0	0.0	21.6	0.1	>100	6.4	18.5	4.1	0	0.0	21.0	0.1	0	0.0	21.3	0.0	93	4.7	15.5	5.3	
LF1GV-19	0	0.0	20.0	1.8	>100	7.7	17.8	4.4	0	0.0	21.2	0.0	0	0.0	21.2	0.0	>100	10.5	5.3	14.9	
LF1GV-20	0	0.0	21.4	0.1	>100	6.0	18.3	2.8	0	0.0	21.2	0.0	0	0.0	21.2	0.0	>100	5.3	16.6	3.7	
LF1GV-21	0	0.0	21.3	0.1	>100	10.3	18.5	2.7	0	0.1	21.1	0.0	2	0.1	21.1	0.0	>100	9.7	15.3	4.9	
LF1GV-22	0	0.0	21.3	0.3	>100	17.2	11.6	13.2	0	0.0	21.2	0.0	0	0.0	21.1	0.0	>100	6.2	15.1	6.9	
LF1GV-23	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned
LF1GV-24	0	0.0	21.1	0.0	>100	5.8	6.1	7.6	>100	14.7	1.6	22.7	0	0.0	19.3	0.9	0	0.0	17.2	2.0	
LF1GV-25	0	0.0	21.5	0.0	2	0.1	22.0	0.1	6	0.3	20.9	0.3	0	0.0	20.9	0.1	3	0.2	20.9	0.4	
LF1GV-26	0	0.0	21.6	0.0	0	0.0	21.9	0.0	0	0.0	21.1	0.0	0	0.0	21.1	0.0	9	0.5	20.4	0.4	
LF1GV-27	0	0.0	21.3	0.3	>100	12.2	12.3	8.8	0	0.0	21.1	0.0	0	0.0	20.4	0.4	0	0.0	20.5	1.1	
LF1GV-28	0	0.0	21.6	0.0	0	0.0	21.9	0.0	0	0.0	21.1	0.0	0	0.0	21.2	0.0	0	0.0	21.4	0.1	
LF1GV-29	0	0.0	21.6	0.0	0	0.0	22.0	0.0	0	0.0	21.1	0.0	0	0.0	21.1	0.0	0	0.0	17.9	1.8	
LF1GV-30	0	0.0	21.5	0.5	2	0.2	21.9	0.0	0	0.0	21.2	0.0	0	0.0	21.1	0.0	0	0.0	21.3	0.1	
LF1GV-31	0	0.0	20.1	1.3	0	0.0	20.5	0.2	4	0.2	20.5	0.6	0	0.0	19.9	0.6	0	0.0	20.5	0.5	

Notes:
> = Greater than
% = percent
in. = inches
LEL = Lower Explosive Limit
-- = Not Monitored

Table 1
LF001 (Landfill AOC 1) Landfill Gas Monitoring Results (2010-2016)
Former Griffiss Air Force Base
Rome, New York

Sample Location	7-May-14				18-Nov-14				18-May-15				14-Sep-15				6-Dec-16				
	Barometric Pressure (in.) =			29.51-29.62	Barometric Pressure (in.) =			29.49-29.51	Barometric Pressure (in.) =			29.28-29.62	Barometric Pressure (in.) =			29.36-29.54	Barometric Pressure (in.) =			29.54-29.53	
	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	
LF1GMP-01	0	0.0	20.8	0.0	>100	23.0	4.1	17.2	0	0.0	20.8	0.0	> 100	25.4	0.1	24.1	0	0	21.1	0.1	
LF1GMP-02	0	0.0	20.8	0.0	0	0.0	14.8	2.4	0	0.0	20.2	0.0	> 100	31.6	0.0	15.2	43	2.1	1	10.1	
LF1GMP-03	55	2.7	8.6	6.0	>100	25.6	0.0	16.1	31	18	18.5	3.7	> 100	40.8	0.0	36.6	> 100	9.4	6.3	15.3	
LF1GMP-04	0	0.0	20.8	0.0	>100	36.1	1.4	14.8	0	0.0	21.1	0.0	> 100	47.3	0.0	41.5	0	0	21.1	0.4	
LF1GMP-06	3	0.1	20.5	0.1	0	0.0	19.7	0.6	> 100	32.2	8.1	3.6	> 100	77.0	0.1	7.3	> 100	9.1	14.6	3.2	
LF1GMP-08	0	0.0	20.5	0.1	0	0.0	20.1	0.1	0	0.0	21.3	0.0	0	0.0	15.3	4.4	--	--	--	--	
LF1GMP-09	43	2.1	17.8	0.7	>100	8.1	12.3	5.8	0	0.0	21.0	0.0	> 100	34.9	0.1	20.6	> 100	22.7	7.7	7.5	
LF1GMP-10	29	1.4	16.8	0.3	>100	10.3	0.9	14.4	0	0.0	20.8	0.0	> 100	14.1	2.0	18.5	21	1	19.3	0.4	
LF1GMP-11	0	0.0	20.3	0.4	0	0.0	20.9	0.6	0	0.0	21.2	0.0	1	0.0	14.2	6.4	--	--	--	--	
LF1GMP-12	0	0.0	19.6	1.5	0	0.0	20.9	0.2	0	0.0	20.4	0.8	2	0.1	20.0	0.7	--	--	--	--	
LF1GMP-13	0	0.0	19.5	0.7	0	0.0	20.7	1.3	0	0.0	19.8	1.0	1	0.0	19.6	1.0	0	0	18.7	1.5	
LF1GMP-14	0	0.0	16.7	1.8	0	0.0	18.8	0.7	0	0.0	20.9	0.0	0	0.0	17.4	2.9	--	--	--	--	
LF1GMP-15	0	0.0	19.7	0.6	0	0.0	19.1	0.0	0	0.0	20.8	0.1	0	0.0	19.6	1.2	--	--	--	--	
LF1GMP-16	0	0.0	20.1	1.0	0	0.0	19.4	0.1	0	0.0	20.3	1.0	0	0.0	20.3	0.2	0	0	19.8	1.7	
LF1GMP-17	0	0.0	20.8	0.2	0	0.0	18.7	0.5	0	0.0	20.0	1.5	1	0.0	20.4	0.1	--	--	--	--	
LF1GMP-18	0	0.0	20.9	0.0	0	0.0	18.0	1.1	0	0.0	20.9	0.0	1	0.0	13.1	0.8	--	--	--	--	
LF1GMP-19	0	0.0	20.7	0.0	0	0.0	20.1	0.0	0	0.0	21.2	0.0	3	0.1	18.7	1.5	--	--	--	--	
LF1GMP-20	0	0.0	20.7	0.0	0	0.0	19.9	1.2	0	0.0	21.3	0.0	1	0.0	20.4	0.1	--	--	--	--	
LF1GV-01	3	0.1	20.0	0.3	>100	8.2	13.4	7.2	> 100	31.7	1.5	31.7	0	0.0	20.6	0.1	0	0	21.3	0.1	
LF1GV-02	7	0.3	19.0	1.3	>100	6.2	16.8	5.0	> 100	5.7	16.6	6.7	0	0.0	20.7	0.0	0	0	21.2	0.4	
LF1GV-03	7	0.4	17.9	2.5	14	0.7	20.1	0.6	> 100	7.5	15.7	5.9	0	0.0	20.7	0.0	0	0	21.3	0.1	
LF1GV-04	14	0.7	15.2	6.4	0	0.0	20.3	0.0	0	0.0	21.2	0.0	0	0.0	20.7	0.0	0	0	21.4	0	
LF1GV-05	5	0.2	19.7	0.4	0	0.0	19.9	0.1	5	0.3	21.1	0.1	0	0.0	21	0.0	0	0	20.5	1	
LF1GV-06	9	0.4	10.3	7.2	0	0.0	21.2	0.0	> 100	18.9	7.3	20.3	1	0.0	20.5	0.0	0	0	20.9	0.2	
LF1GV-07	>100	5.2	11.7	9.2	0	0.0	21.1	0.0	64	3.5	19.5	3.7	0	0.0	21.0	0.0	0	0	20.6	0.7	
LF1GV-08	46	2.3	17.6	2.9	22	1.5	14.8	5.3	> 100	14.8	15.5	10.3	0	0.0	21.3	0.0	0	0	20.7	0.5	
LF1GV-09	63	3.1	15.7	4.0	0	0.0	19.9	0.0	> 100	13.9	11.7	10.5	0	0.0	21.2	0.0	0	0	21.1	0.1	
LF1GV-10	3	0.1	16.1	2.8	0	0.0	19.7	0.1	> 100	5.3	17.8	5.7	1	0.1	21.1	0.0	0	0	0.8	20	
LF1GV-11	29	1.4	17.9	1.4	0	0.0	19.8	0.1	> 100	4.3	18.9	4.9	0	0.0	21.1	0.0	5	0.2	2.6	18.4	
LF1GV-12	7	0.3	16.9	2.4	0	0.0	20.1	0.0	> 100	6.5	17.6	6.8	0	0.0	20.5	0.0	0	0	20.9	0.1	
LF1GV-13	82	4.1	13.6	5.7	51	2.6	2.4	13.8	> 100	12.2	13.8	12.3	1	0.0	21.0	0.0	0	0	20.7	1	
LF1GV-14	87	4.4	13.9	5.2	0	0.0	20.1	0.0	> 100	11.4	14.7	8.4	0	0.0	20.7	0.0	8	0.4	14.6	7.4	
LF1GV-15	5	0.2	18.1	1.3	0	0.0	18.8	0.5	63	3.1	19.3	4.2	1	0.0	20.7	0.0	--	--	--	--	
LF1GV-16	0	0.0	16.8	1.9	0	0.0	19.1	0.0	17	0.9	20.1	2.6	0	0.0	20.7	0.0	--	--	--	--	
LF1GV-17	75	4.0	17.1	2.7	0	0.0	20.3	0.0	> 100	13.70	15.3	8.6	1	0.0	20.5	0.0	13	0.6	17.6	1.9	
LF1GV-18	>100	8.0	5.7	11.7	0	0.0	18.9	0.7	> 100	15.4	16.4	7.2	1	0.0	20.6	0.0	0	0	21	0.1	
LF1GV-19	45	2.3	8.3	9.7	0	0.0	19.5	0.0	> 100	8.6	17.9	5.9	0	0.0	20.6	0.0	1	0	17	4.7	
LF1GV-20	30	1.5	17.5	1.3	0	0.0	19.4	0.0	> 100	17.9	9.5	9.3	0	0.0	20.6	0.0	9	0.4	18.9	1.7	
LF1GV-21	>100	6.0	14.8	3.6	0	0.0	19.5	0.0	> 100	11.1	18.5	4.3	0	0.0	20.7	0.0	3	0.1	20.2	0.7	
LF1GV-22	>100	7.9	9.3	9.1	0	0.0	20.2	0.0	> 100	10.6	16.5	6.6	1	0.0	20.5	0.0	0	0	19.2	2	
LF1GV-23	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned
LF1GV-24	0	0.0	19.1	1.2	0	0.0	20.1	0.0	> 100	5.5	1.1	11.7	14	0.3	19.4	2.3	0	0	21.2	0	
LF1GV-25	0	0.0	20.8	0.0	0	0.0	20.0	0.9	> 100	10.5	5.2	8.9	0	0.1	20.2	0.0	0	0	20.8	0.6	
LF1GV-26	0	0.0	20.8	0.0	0	0.0	20.0	0.0	0	0.0	21.7	0.1	0	0.0	20.1	0.0	--	--	--	--	
LF1GV-27	0	0.0	20.9	0.0	0	0.0	18.7	0.8	> 100	9.5	9.3	12.4	5	0.7	21.3	0.0	0	0	19.8	0.9	
LF1GV-28	0	0.0	20.9	0.0	0	0.0	18.8	1.5	0	0.0	21.7	0.0	0	0.0	21.3	0.0	0	0	20.3	0.4	
LF1GV-29	0	0.0	20.8	0.2	0	0.0	21.0	0.0	2	0.1	21.5	0.0	0	0.0	21.2	0.0	--	--	--	--	
LF1GV-30	0	0.0	20.3	0.5	0	0.0	19.5	1.0	0	0.0	21.1	2.5	0	0.0	21.3	0.0	--	--	--	--	
LF1GV-31	0	0.0	20.6	0.4	0	0.0	20.0	0.0	0	0.0	17.3	3.0	0	0.0	20.1	0.9	--	--	--	--	

Notes:
> = Greater than
% = percent
in. = inches
LEL = Lower Explosive Limit
-- = Not Monitored

Table 2
LF002 (Landfill 2/3 AOC) Landfill Gas Monitoring Results (2010-2016)
Former Griffiss Air Force Base
Rome, New York

Sample Location	3-Feb-10				6-May-10				26-Oct-10				11-May-13			
	Barometric Pressure (in.) = 29.34				Barometric Pressure (in.) = 29.05-29.06				Barometric Pressure (in.) = 29.24				Barometric Pressure (in.) = 29.21			
	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)
LF2GMP-01	0	0.0	21.1	0.1	0	0.0	16.9	2.2	0	0.0	18.5	1.6	0	0.0	20.2	0.5
LF2GMP-02	0	0.0	21.5	0.0	>100	5.4	1.0	16.3	0	0.0	15.8	4.8	4	0.2	18.4	1.4
LF2GMP-03	3	0.1	21.1	0.4	0	0.0	21.0	0.0	0	0.0	17.4	2.5	0	0.0	19.5	1.3
LF2GMP-04	14	0.7	19.1	1.9	0	0.0	21.0	0.0	0	0.0	18.1	1.8	0	0.0	20.6	0.0
LF2GMP-05	0	0.0	22.0	0.1	0	0.0	21.0	0.0	0	0.0	18.4	1.5	0	0.0	11.7	2.1
LF2GMP-06	0	0.0	10.3	6.9	0	0.0	21.3	0.0	3	0.2	17.4	2.2	0	0.0	8.8	5.3
LF2GMP-07	0	0.0	21.3	1.2	0	0.0	20.9	0.5	5	0.3	18.1	2.3	0	0.0	18.7	1.5
LF2GMP-08	0	0.0	21.8	0.4	0	0.0	20.5	0.6	0	0.0	18.4	1.8	0	0.0	19.9	0.8
LF2GMP-09	0	0.0	21.9	0.3	0	0.0	21.0	0.3	0	0.0	18.9	1.3	0	0.0	20.3	0.3
LF2VENT-01	34	1.7	19.9	0.9	43	2.1	18.4	1.1	0	0.0	19.5	0.6	51	2.5	17.0	1.1
LF2VENT-02	0	0.0	21.9	0.2	0	0.0	21.0	0.0	0	0.0	19.4	0.6	2	0.1	20.0	0.0
LF2VENT-03	55	2.8	19.9	1.0	7	0.3	20.4	0.3	0	0.0	19.4	0.7	16	0.7	19.1	0.4
LF2VENT-04	11	0.5	19.4	1.7	41	2.0	14.2	5.2	1	0.0	19.1	0.9	86	5.2	16.6	1.2
LF2VENT-05	11	0.6	21.6	0.5	77	3.8	16.7	3.8	0	0.0	19.1	0.9	45	2.6	18.2	1.4
LF2VENT-06	>100	6.8	14.7	6.8	>100	7.1	12.0	7.9	0	0.0	18.8	1.3	>100	9.5	9.5	8.5
LF2VENT-07	0	0.0	22.0	0.1	2	0.1	17.2	1.1	0	0.0	19.5	0.6	5	0.3	17.7	0.5
LF2VENT-08	0	0.0	22.1	0.1	0	0.0	19.0	1.0	6	0.3	19.1	1.1	3	0.1	16.0	1.6
LF2VENT-09	0	0.0	22.1	0.1	0	0.0	18.4	1.8	7	0.4	19.4	0.8	3	0.1	12.7	2.1
LF2VENT-10	0	0.0	22.0	0.1	0	0.0	20.8	0.1	0	0.0	19.5	0.7	0	0.0	18.2	0.3
LF2VENT-11	2	0.1	21.5	0.3	6	0.3	17.5	1.4	0	0.0	19.5	0.7	12	0.6	14.7	1.5
LF2VENT-12	4	0.2	21.3	0.4	15	0.7	18.4	1.4	0	0.0	19.5	0.7	76	4.0	14.9	1.0
LF2VENT-13	9	0.4	21.0	0.4	36	1.8	18.4	0.9	0	0.0	19.4	0.6	37	1.8	17.3	0.7
LF2VENT-14	92	4.6	16.4	1.7	34	1.7	14.5	2.5	0	0.0	19.5	0.6	76	4.0	14.9	1.0

Notes:
> = Greater than
% = percent
in. = inches
LEL = Lower Explosive Limit

Table 2
LF002 (Landfill 2/3 AOC) Landfill Gas Monitoring Results (2010-2016)
Former Griffiss Air Force Base
Rome, New York

Sample Location	19-Oct-11				9-May-12				4-Oct-12				1-May-13			
	Barometric Pressure (in.) = 29.11-29.14				Barometric Pressure (in.) = 28.89-28.95				Barometric Pressure (in.) = 29.43-29.57				Barometric Pressure (in.) = 29.71-29.81			
	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)
LF2GMP-01	0	0.0	16.3	2.8	0	0.0	21.7	0.0	0	0.0	17.3	2.4	0	0.0	18.5	1.6
LF2GMP-02	>100	7.6	4.6	16.6	0	0.0	22.0	0.0	>100	8.4	0.0	21.7	0	0.0	21.0	0.0
LF2GMP-03	0	0.0	19.0	2.3	0	0.0	22.0	0.0	0	0.0	20.8	0.0	0	0.0	20.8	0.0
LF2GMP-04	0	0.0	21.2	0.2	31	1.6	20.8	0.4	0	0.0	20.8	0.0	0	0.0	20.8	0.0
LF2GMP-05	>100	7.6	0.5	12.3	9	0.4	21.4	0.2	63	3.0	3.3	13.9	0	0.0	20.9	0.0
LF2GMP-06	0	0.0	6.2	10.2	>100	12.9	10.8	9.4	0	0.0	20.6	0.5	0	0.0	20.7	0.1
LF2GMP-07	0	0.0	19.2	2.9	0	0.0	21.5	0.1	0	0.0	19.0	2.3	0	0.0	20.7	0.3
LF2GMP-08	0	0.0	21.1	0.9	32	1.9	18.1	1.2	0	0.0	20.6	0.5	0	0.0	20.2	0.6
LF2GMP-09	0	0.0	21.8	0.0	0	0.0	22.3	0.1	0	0.0	20.6	0.3	0	0.0	20.7	0.3
LF2VENT-01	33	1.6	18.8	1.4	0	0.0	22.1	0.0	0	0.0	20.9	0.0	4	0.2	20.7	0.1
LF2VENT-02	0	0.0	21.9	0.0	0	0.0	22.3	0.1	0	0.0	21.0	0.0	0	0.0	20.9	0.0
LF2VENT-03	0	0.0	21.8	0.0	0	0.0	22.6	0.1	0	0.0	21.0	0.0	0	0.0	20.9	0.0
LF2VENT-04	60	2.8	17.6	1.9	2	0.1	22.1	0.1	4	0.2	18.7	1.1	2	0.1	20.8	0.0
LF2VENT-05	20	1.0	18.8	1.6	0	0.0	22.3	0.1	12	0.6	20.3	0.7	3	0.1	20.8	0.0
LF2VENT-06	>100	13.2	12.2	9.3	0	0.0	17.1	3.0	92	4.6	10.3	10.3	10	0.4	19.4	0.4
LF2VENT-07	0	0.0	22.0	0.0	75	3.6	3.8	14.2	0	0.0	21.0	0.0	2	0.1	20.8	0.0
LF2VENT-08	0	0.0	16.3	2.3	0	0.0	21.7	0.1	0	0.0	21.0	0.0	2	0.1	20.4	0.1
LF2VENT-09	10	0.5	11.1	4.1	4	0.2	21.5	0.4	0	0.0	21.0	0.0	0	0.0	19.3	0.4
LF2VENT-10	0	0.0	20.3	0.4	0	0.0	22.2	0.1	0	0.0	21.0	0.0	0	0.0	20.6	0.0
LF2VENT-11	0	0.0	20.0	0.6	0	0.0	22.7	0.0	0	0.0	21.0	0.0	0	0.0	20.7	0.0
LF2VENT-12	0	0.0	21.7	0.1	0	0.0	21.0	1.9	2	0.1	20.0	0.2	0	0.0	20.7	0.0
LF2VENT-13	13	0.6	19.1	0.9	0	0.0	21.2	1.0	0	0.0	21.0	0.0	0	0.0	20.9	0.0
LF2VENT-14	2	0.1	21.4	0.1	0	0.0	22.1	0.4	0	0.0	20.9	0.0	0	0.0	20.8	0.0

Notes:
> = Greater than
% = percent
in. = inches
LEL = Lower Explosive Limit

Table 2
LF002 (Landfill 2/3 AOC) Landfill Gas Monitoring Results (2010-2016)
Former Griffiss Air Force Base
Rome, New York

Sample Location	13-Oct-15				8-May-14				18-Nov-14				27-May-15			
	Barometric Pressure (in.) = 29.48-29.65				Barometric Pressure (in.) = 29.48-29.51				Barometric Pressure (in.) = 29.57				Barometric Pressure (in.) = 29.42-29.49			
	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)
LF2GMP-01	0	0.0	20.3	0.4	0	0.0	20.4	0.3	0	0.0	20.1	1.2	0	0.0	18.6	2.0
LF2GMP-02	>100	10.2	0.2	19.4	17	0.9	1.5	12.6	0	0.0	20.2	0.1	0	0.0	21.4	0.0
LF2GMP-03	0	0.0	20.4	0.9	0	0.0	19.4	0.0	0	0.0	18.9	0.6	0	0.0	21.6	0.0
LF2GMP-04	0	0.0	20.9	0.3	0	0.0	19.2	0.0	0	0.0	19.5	0.0	0	0.0	21.7	0.0
LF2GMP-05	>100	7.6	0.0	10.3	0	0.0	14.9	1.2	12	0.7	16.1	0.9	0	0.0	21.8	0.0
LF2GMP-06	0	0.0	8.0	0.9	0	0.0	19.0	0.0	20	1.0	15.0	1.2	10	0.8	18.7	0.9
LF2GMP-07	0	0.0	18.9	2.5	0	0.0	19.1	1.2	0	0.0	19.7	0.3	0	0.0	20.1	0.1
LF2GMP-08	0	0.0	20.7	0.7	0	0.0	20.1	0.5	0	0.0	19.9	0.0	0	0.0	21.2	0.0
LF2GMP-09	0	0.0	21.0	0.4	0	0.0	20.7	0.3	0	0.0	19.9	0.0	0	0.0	20.4	0.0
LF2VENT-01	2	0.2	20.8	0.4	7	0.4	19.2	0.1	0	0.0	20.1	0.1	0	0.0	21.5	0.0
LF2VENT-02	1	0.1	21.5	0.0	0	0.0	19.5	0.0	0	0.0	20.2	0.0	0	0.0	21.5	0.0
LF2VENT-03	0	0.0	21.3	0.0	0	0.0	20.5	0.1	0	0.0	20.1	0.2	0	0.0	21.4	0.0
LF2VENT-04	35	1.8	19.8	0.8	0	0.0	20.8	0.1	0	0.0	19.9	0.6	0	0.0	21.2	0.0
LF2VENT-05	15	0.8	20.3	0.7	0	0.0	19.3	0.0	0	0.0	19.6	0.0	0	0.0	21.6	0.0
LF2VENT-06	>100	15.2	10.9	10.3	0	0.0	11.3	5.9	0	0.1	20.1	0.3	4	0.3	16	3.2
LF2VENT-07	0	0.0	21.5	0.0	0	0.0	20.5	0.0	6	0.3	18.1	0.6	0	0.0	20.7	0.2
LF2VENT-08	0	0.0	21.1	0.1	0	0.0	20.9	0.0	0	0.0	18.9	0.0	0	0.0	21.6	0.0
LF2VENT-09	0	0.0	18.8	1.4	0	0.0	12.7	1.9	0	0.0	19.5	0.0	0	0.0	21.5	0.0
LF2VENT-10	0	0.0	21.2	0.2	0	0.0	20.5	0.1	0	0.0	19.5	0.0	0	0.0	21.5	0.0
LF2VENT-11	0	0.0	19.6	0.7	0	0.0	20.2	0.0	0	0.0	20.1	0.0	0	0.0	21.5	0.0
LF2VENT-12	5	0.3	18.8	1.4	0	0.0	20.6	0.0	0	0.0	19.7	0.1	0	0.0	21.5	0.0
LF2VENT-13	5	0.3	20.4	0.3	2	0.1	19.4	0.0	18	0.8	14.2	2.4	3	0.2	21.1	0.0
LF2VENT-14	86	4.3	15.7	1.8	0	0.0	20.5	0.0	12	0.5	15.1	1.7	0	0.0	11.2	4.4

Notes:
> = Greater than
% = percent
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LEL = Lower Explosive Limit

Table 2
LF002 (Landfill 2/3 AOC) Landfill Gas Monitoring Results (2010-2016)
Former Griffiss Air Force Base
Rome, New York

Sample Location	9-Sep-15				6-Dec-16			
	Barometric Pressure (in.) = 29.33-29.42				Barometric Pressure (in.) = 29.48-29.46			
	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)
LF2GMP-01	0	0.0	20.4	0.1	0	0	20.1	0.1
LF2GMP-02	> 100	8.4	0.1	20.0	15	0.7	8.1	11.7
LF2GMP-03	0	0.0	20.6	0.0	0	0	19.3	0.9
LF2GMP-04	0	0.0	20.6	0.0	0	0	20.6	0.3
LF2GMP-05	> 100	11.4	0.3	10	0	0	13.9	5.5
LF2GMP-06	0	0.0	18.8	1.4	0	0	7.5	8.6
LF2GMP-07	0	0.0	20.4	0.0	0	0	19.5	1.2
LF2GMP-08	0	0.1	20.4	0.3	3	0.1	18.2	1.9
LF2GMP-09	0	0.0	20.7	0.0	0	0	20.7	0.3
LF2VENT-01	0	0.0	20.8	0.0	7	0.3	19.7	0.4
LF2VENT-02	0	0.0	20.8	0.0	0	0	20.8	0
LF2VENT-03	0	0.0	20.8	0.0	0	0	21	0
LF2VENT-04	0	0.0	20.8	0.0	28	1.4	19.2	0.6
LF2VENT-05	0	0.0	20.7	0.0	5	0.2	20	0.4
LF2VENT-06	0	0.0	20.8	0.0	90	4.5	17.2	3.1
LF2VENT-07	0	0.0	20.8	0.0	0	0	20.3	0.9
LF2VENT-08	0	0.0	20.8	0.0	0	0	20.5	0
LF2VENT-09	0	0.0	20.8	0.0	0	0	14	2
LF2VENT-10	0	0.0	20.8	0.0	0	0	20.4	0.1
LF2VENT-11	0	0.0	20.8	0.0	0	0	19.7	0.2
LF2VENT-12	0	0.0	20.8	0.0	0	0	19.9	0.2
LF2VENT-13	0	0.0	20.8	0.0	5	0.3	18.9	0.5
LF2VENT-14	0	0.0	20.8	0.0	0	0	20.9	0

Notes:
> = Greater than
% = percent
in. = inches
LEL = Lower Explosive Limit

Table 3
LF009 (Landfill 6 AOC) Landfill Gas Monitoring Results (2010-2016)
Former Griffiss Air Force Base
Rome, New York

Sample Location	2-Feb-10				7-May-10				26-Oct-10				16-May-11			
	Barometric Pressure (in.) =			NS	Barometric Pressure (in.) =			29.18-29.38	Barometric Pressure (in.) =			29.19-29.20	Barometric Pressure (in.) =			29.14-29.19
	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)
LF6GMP-01	NS	NS	NS	NS	0	0.0	20.6	0.1	0	0.0	19.4	0.5	0	0.0	19.4	0.3
LF6GMP-02	NS	NS	NS	NS	0	0.0	20.9	0.1	0	0.0	11.8	6.6	0	0.0	20.9	0.1
LF6GMP-03	NS	NS	NS	NS	0	0.0	20.9	0.0	0	0.0	15.6	2.7	0	0.0	20.6	0.1
LF6GMP-04	NS	NS	NS	NS	0	0.0	20.9	0.0	0	0.0	19.4	1.0	0	0.0	20.8	0.0
LF6GMP-05	NS	NS	NS	NS	0	0.0	20.9	0.0	0	0.0	20.6	0.2	0	0.0	20.8	0.0
LF6GMP-06	NS	NS	NS	NS	0	0.0	19.7	0.9	0	0.0	20.4	0.4	0	0.0	20.8	0.1
LF6GMP-07	NS	NS	NS	NS	0	0.0	17.6	3.4	0	0.0	16.3	4.6	0	0.0	20.8	0.0
LF6GMP-08	NS	NS	NS	NS	0	0.0	10.2	9.2	0	0.0	5.4	13.8	0	0.0	12.7	5.5
LF6GMP-09	NS	NS	NS	NS	0	0.0	17.4	3.1	0	0.0	14.2	5.9	0	0.0	14.6	5.2
LF6GMP-10	NS	NS	NS	NS	0	0.0	19.8	1.0	0	0.0	19.7	1.0	0	0.0	20.8	0.0
LF6GMP-11	NS	NS	NS	NS	0	0.0	19.9	1.1	0	0.0	18.0	2.7	0	0.0	18.9	2.1
LF6GMP-12	NS	NS	NS	NS	0	0.0	20.3	0.6	0	0.0	18.8	1.9	0	0.0	18.2	2.1
LF6GMP-13	NS	NS	NS	NS	0	0.0	20.2	0.7	0	0.0	18.9	1.5	0	0.0	18.5	2.5
LF6GMP-14	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF6GMP-15S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6GMP-15D	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6GMP-16S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6GMP-16D	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6GMP-17S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6GMP-17D	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6VENT-01	NS	NS	NS	NS	0	0.0	19.7	0.7	0	0.0	20.7	0.1	0	0.0	20.3	0.6
LF6VENT-02	NS	NS	NS	NS	0	0.0	20.4	0.1	0	0.0	20.6	0.0	0	0.0	20.7	0.0
LF6VENT-03	NS	NS	NS	NS	0	0.0	20.2	0.5	0	0.0	20.6	0.1	0	0.0	20.7	0.2
LF6VENT-04	NS	NS	NS	NS	0	0.0	18.5	1.6	0	0.0	20.7	0.0	0	0.0	20.8	0.1
LF6VENT-05	NS	NS	NS	NS	0	0.0	20.1	0.8	0	0.0	20.2	0.2	0	0.0	20.9	0.0
LF6VENT-06	NS	NS	NS	NS	0	0.0	20.2	0.4	0	0.0	20.7	0.0	0	0.0	20.8	0.0
LF6VENT-07	NS	NS	NS	NS	0	0.0	19.4	0.8	0	0.0	20.2	0.0	0	0.0	20.4	0.0
LF6VENT-08	NS	NS	NS	NS	0	0.0	19.8	0.6	0	0.0	20.3	0.0	0	0.0	20.4	0.0
LF6VENT-09	NS	NS	NS	NS	0	0.0	19.5	0.7	0	0.0	20.4	0.0	0	0.0	19.9	0.6
LF6VENT-10	NS	NS	NS	NS	0	0.0	19.6	0.9	0	0.0	20.4	0.1	0	0.0	20.5	0.0
LF6VENT-11	NS	NS	NS	NS	0	0.0	19.5	0.9	0	0.0	20.6	0.0	0	0.0	20.7	0.0
LF6VENT-12	NS	NS	NS	NS	0	0.0	20.1	0.7	0	0.0	20.5	0.0	0	0.0	20.3	0.5
LF6VENT-13	NS	NS	NS	NS	0	0.0	17.3	2.0	0	0.0	20.6	0.0	0	0.0	20.4	0.3
LF6VENT-14	NS	NS	NS	NS	0	0.0	19.2	1.4	0	0.0	20.6	0.0	0	0.0	20.5	0.4
LF6VENT-15	NS	NS	NS	NS	0	0.0	18.7	1.5	0	0.0	20.6	0.0	0	0.0	18.3	2.8
LF6VENT-16	NS	NS	NS	NS	0	0.0	15.7	4.1	0	0.0	20.7	0.0	0	0.0	13.4	5.7

Notes:
NI = Not Installed
NS = Not Sampled
-- = Not Monitored
% = percent
in. = inches
LEL = Lower Explosive Limit

Table 3
LF009 (Landfill 6 AOC) Landfill Gas Monitoring Results (2010-2016)
Former Griffiss Air Force Base
Rome, New York

Sample Location	19-Oct-11				10-May-12				5-Oct-12				2-May-13			
	Barometric Pressure (in.) =			29.11-29.14	Barometric Pressure (in.) =			28.99-29.32	Barometric Pressure (in.) =			29.44	Barometric Pressure (in.) = 29.73-29.85			
	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)
LF6GMP-01	0	0.0	12.0	7.0	0	0.0	19.3	0.8	0	0.0	11.0	2.4	0	0.0	20.6	0.0
LF6GMP-02	0	0.0	19.7	0.8	0	0.0	22.8	0.1	0	0.0	12.4	6.7	0	0.0	20.3	0.0
LF6GMP-03	0	0.0	16.1	3.0	0	0.0	22.2	0.1	0	0.0	16.3	2.7	0	0.0	20.6	0.0
LF6GMP-04	0	0.0	14.8	5.7	0	0.0	22.4	0.1	0	0.0	15.3	5.4	0	0.0	20.6	0.0
LF6GMP-05	0	0.0	18.8	2.7	0	0.0	22.7	0.1	0	0.0	18.8	2.0	0	0.0	20.6	0.0
LF6GMP-06	0	0.0	19.0	2.6	0	0.0	22.8	0.2	0	0.0	18.6	2.4	0	0.0	20.5	0.1
LF6GMP-07	0	0.0	16.6	5.2	0	0.0	23.0	0.1	0	0.0	17.0	4.2	0	0.0	20.0	0.5
LF6GMP-08	0	0.0	4.6	14.7	0	0.0	23.0	0.1	0	0.0	11.4	8.5	0	0.0	12.2	5.8
LF6GMP-09	0	0.0	14.1	6.2	0	0.0	20.2	1.8	0	0.0	15.3	5.2	0	0.0	18	1.7
LF6GMP-10	0	0.0	20.5	1.4	0	0.0	22.9	0.1	0	0.0	19.5	1.2	0	0.0	20.3	0.0
LF6GMP-11	0	0.0	18.5	3.0	0	0.0	23.0	0.1	0	0.0	18.5	2.5	0	0.0	20.0	0.7
LF6GMP-12	0	0.0	18.4	3.4	0	0.0	22.8	0.2	0	0.0	18.3	2.6	0	0.0	18.6	1.3
LF6GMP-13	0	0.0	18.3	3.4	0	0.0	22.2	0.7	0	0.0	17.8	3.0	0	0.0	19.0	1.3
LF6GMP-14	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF6GMP-15S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6GMP-15D	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6GMP-16S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6GMP-16D	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6GMP-17S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6GMP-17D	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6VENT-01	0	0.0	14.0	2.2	0	0.0	21.9	0.2	0	0.0	11.0	2.4	0	0.0	20.1	0.3
LF6VENT-02	24	1.2	6.2	0.4	0	0.0	21.4	0.7	35	1.7	4.1	0.6	0	0.0	19.6	0.0
LF6VENT-03	14	0.7	4.7	8.1	0	0.0	20.5	1.0	16	0.8	4.4	9.2	5	0.2	17.8	1.1
LF6VENT-04	>100	10.7	0.3	6.0	0	0.0	19.4	1.6	>100	8.1	0.7	7.4	0	0.0	19.6	0.7
LF6VENT-05	0	0.0	9.9	6.8	0	0.0	21.6	0.6	0	0.0	8.1	8.7	0	0.0	19.9	0.6
LF6VENT-06	2	0.0	8.9	1.3	0	0.0	22.4	0.0	0	0.0	8.5	0.8	0	0.0	20.0	0.2
LF6VENT-07	0	0.0	14.5	5.9	0	0.0	20.6	0.7	0	0.0	13.6	5.3	0	0.0	20.5	0.5
LF6VENT-08	0	0.0	16.2	4.5	0	0.0	19.7	1.8	0	0.0	15.5	3.7	0	0.0	20.7	0.4
LF6VENT-09	0	0.0	17.7	2.9	0	0.0	21.5	0.9	0	0.0	16.7	3.0	0	0.0	20.4	0.4
LF6VENT-10	0	0.0	14.6	5.2	0	0.0	21.1	0.8	0	0.0	11.0	6.4	0	0.0	20.3	0.6
LF6VENT-11	0	0.0	16.7	3.7	0	0.0	22.5	0.1	0	0.0	16.0	3.8	0	0.0	20.5	0.5
LF6VENT-12	0	0.0	14.6	5.2	0	0.0	22.2	0.2	0	0.0	11.6	5.7	0	0.0	19.0	1.3
LF6VENT-13	0	0.0	13.8	6.4	0	0.0	20.3	1.5	0	0.0	12.1	7.1	0	0.0	20.4	0.6
LF6VENT-14	0	0.0	16.3	4.0	0	0.0	22.2	0.1	0	0.0	16.4	3.3	0	0.0	20.2	0.5
LF6VENT-15	0	0.0	10.7	7.0	0	0.0	21.9	0.4	0	0.0	5.8	9.7	0	0.0	19.4	1.1
LF6VENT-16	0	0.0	10.0	7.7	0	0.0	16.4	3.0	0	0.0	8.3	7.3	0	0.0	18.2	1.9

Notes:
NI = Not Installed
NS = Not Sampled
-- = Not Monitored
% = percent
in. = inches
LEL = Lower Explosive Limit

Table 3
LF009 (Landfill 6 AOC) Landfill Gas Monitoring Results (2010-2016)
Former Griffiss Air Force Base
Rome, New York

Sample Location	15-Oct-13				8-May-14				19-Nov-14				5-May-15			
	Barometric Pressure (in.) =			29.47-29.58	Barometric Pressure (in.) =			29.48-29.57	Barometric Pressure (in.) =			29.52-29.60	Barometric Pressure (in.) =			29.67-29.75
	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)
LF6GMP-01	0	0.0	14.4	4.4	0	0.0	19.5	0.2	0	0.0	19.5	2.0	0	0.0	19.9	0.7
LF6GMP-02	0	0.0	11.6	7.1	0	0.0	13.0	4.3	0	0.0	15.7	4.8	0	0.0	15.8	3.7
LF6GMP-03	0	0.0	16.5	2.7	0	0.0	17.2	1.6	0	0.0	18.1	1.7	0	0.0	20.9	0.2
LF6GMP-04	0	0.0	15.6	5.4	0	0.0	17.1	2.8	0	0.0	17.8	3.3	0	0.0	18.4	2.9
LF6GMP-05	0	0.0	19.0	2.0	0	0.0	19.5	8.0	0	0.0	16.2	3.7	0	0.0	20.5	0.9
LF6GMP-06	0	0.0	18.7	2.5	0	0.0	19.0	12.0	0	0.0	18.5	2.9	0	0.0	20.3	1.4
LF6GMP-07	0	0.0	17.1	4.6	0	0.0	20.3	0.1	0	0.0	19.1	2.1	0	0.0	20.2	1.3
LF6GMP-08	0	0.0	7.3	12.7	0	0.0	20.0	0.2	0	0.0	11.0	9.5	0	0.0	14.0	5.8
LF6GMP-09	0	0.0	16.5	4.6	0	0.0	17.8	1.9	0	0.0	18.2	3.7	0	0.0	20.1	1.4
LF6GMP-10	0	0.0	19.4	2.2	0	0.0	20.5	0.0	0	0.0	16.1	3.8	0	0.0	21.4	0.0
LF6GMP-11	0	0.0	19.2	2.2	0	0.0	19.7	0.9	0	0.0	14.5	4.0	0	0.0	20.9	1.2
LF6GMP-12	0	0.0	18.3	2.9	0	0.0	18.3	1.7	0	0.0	19.4	2.1	0	0.0	19.8	1.8
LF6GMP-13	0	0.0	18.5	2.9	0	0.0	19.0	1.3	0	0.0	20.0	1.8	0	0.0	20.5	1.5
LF6GMP-14	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF6GMP-15S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6GMP-15D	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6GMP-16S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6GMP-16D	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6GMP-17S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6GMP-17D	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6VENT-01	0	0.0	12.3	2.5	0	0.0	17.4	1.1	0	0.0	19.1	1.5	0	0.1	19.8	1.1
LF6VENT-02	58	2.9	4.5	0.4	0	0.0	12.3	0.0	0	0.0	19.8	0.2	0	0.0	20.9	0.0
LF6VENT-03	58	2.9	5.4	9.2	0	0.0	13.8	3.1	0	0.0	19.9	0.6	0	0.1	20.5	0.9
LF6VENT-04	>100	10.5	4.8	4.5	80	4.0	5.3	3.3	0	0.0	19.9	0.5	0	0.0	20.3	0.5
LF6VENT-05	0	0.0	10.1	6.8	0	0.0	13.9	3.1	0	0.0	20.0	0.5	0	0.0	19.7	1.7
LF6VENT-06	17	0.9	5.2	1.1	0	0.0	12.4	0.7	0	0.0	20.6	0.2	0	0.2	20.8	0.0
LF6VENT-07	0	0.0	13.4	5.8	0	0.0	17.7	2.1	0	0.0	20.6	0.3	0	0.1	20.7	0.9
LF6VENT-08	0	0.0	12.4	6.1	0	0.0	15.8	2.9	0	0.0	20.7	0.3	0	0.1	20.9	0.6
LF6VENT-09	0	0.0	17.2	3.0	0	0.0	18.8	1.3	0	0.0	20.6	0.3	0	0.0	20.9	0.3
LF6VENT-10	0	0.0	9.2	8.5	0	0.0	16.6	2.6	0	0.0	20.5	0.2	0	0.1	20.6	0.7
LF6VENT-11	0	0.0	17.3	3.3	0	0.0	19.1	1.3	0	0.0	20.7	0.2	0	0.1	20.6	0.5
LF6VENT-12	0	0.0	8.4	9.4	0	0.0	15.7	2.7	0	0.0	20.2	0.2	0	0.0	20.5	1.0
LF6VENT-13	0	0.0	13.8	6.7	0	0.0	16.6	3.6	0	0.0	19.8	0.5	0	0.0	18.9	2.3
LF6VENT-14	0	0.0	16.6	3.5	0	0.0	18.8	1.6	0	0.0	19.5	0.2	0	0.1	20.4	1.2
LF6VENT-15	0	0.0	18.6	2.5	0	0.0	15.3	4.2	0	0.0	19.6	0.2	0	0.0	19.0	3.2
LF6VENT-16	0	0.0	12.5	6.6	0	0.0	14.9	4.8	0	0.0	19.4	0.5	0	0.0	18.1	3.7

Notes:
NI = Not Installed
NS = Not Sampled
-- = Not Monitored
% = percent
in. = inches
LEL = Lower Explosive Limit

Table 3
LF009 (Landfill 6 AOC) Landfill Gas Monitoring Results (2010-2016)
Former Griffiss Air Force Base
Rome, New York

Sample Location	9-Sep-15				30-Nov-16			
	Barometric Pressure (in.) =			29.32-29.48	Barometric Pressure (in.) =			29.87-29.75
	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)
LF6GMP-01	0	0.0	18.9	1.5	0	0	20.7	0.2
LF6GMP-02	0	0.0	20.6	0.1	0	0	13.2	6.4
LF6GMP-03	0	0.0	20.7	0.0	0	0	20.4	0.5
LF6GMP-04	0	0.0	20.7	0.0	0	0	16.6	4.9
LF6GMP-05	0	0.0	20.6	0.0	0	0	18.7	2.6
LF6GMP-06	0	0.0	20.5	0.1	0	0	18.3	3.3
LF6GMP-07	0	0.0	20.5	0.1	0	0	20.7	0.3
LF6GMP-08	0	0.0	20.1	0.8	0	0	8.8	11.1
LF6GMP-09	0	0.0	20.0	0.9	0	0	20	1.1
LF6GMP-10	0	0.0	20.3	0.4	0	0	20.3	1.2
LF6GMP-11	0	0.0	20.7	0.1	0	0	20.1	1.4
LF6GMP-12	0	0.0	20.7	0.1	0	0	18.6	2.9
LF6GMP-13	0	0.0	20.4	0.4	0	0	20.2	1
LF6GMP-14	NI	NI	NI	NI	NI	NI	NI	NI
LF6GMP-15S	--	--	--	--	--	--	--	--
LF6GMP-15D	--	--	--	--	--	--	--	--
LF6GMP-16S	--	--	--	--	--	--	--	--
LF6GMP-16D	--	--	--	--	--	--	--	--
LF6GMP-17S	--	--	--	--	--	--	--	--
LF6GMP-17D	--	--	--	--	--	--	--	--
LF6VENT-01	1	0.0	20.9	0.0	0	0	16.7	2.4
LF6VENT-02	0	0.0	20.8	0.0	3	0.1	13.4	0.4
LF6VENT-03	0	0.0	20.7	0.0	0	0	15.1	4.3
LF6VENT-04	0	0.0	20.8	0.0	3	0.1	12.8	2.6
LF6VENT-05	1	0.0	20.8	0.0	0	0	17	3.3
LF6VENT-06	0	0.2	20.8	0.0	0	0	16.3	0.9
LF6VENT-07	1	0.0	20.8	0.0	0	0	16.4	4.4
LF6VENT-08	1	0.0	20.7	0.0	0	0	21	0.1
LF6VENT-09	1	0.0	19.9	0.7	0	0	17.5	3.3
LF6VENT-10	1	0.0	12.8	5.9	0	0	11.1	7.5
LF6VENT-11	1	0.0	18.2	2.2	0	0	17.4	3.7
LF6VENT-12	0	0.0	12.3	7.4	0	0	14.5	5
LF6VENT-13	0	0.0	13.7	6.2	0	0	14.4	5.6
LF6VENT-14	0	0.0	17.4	2.4	0	0	20.8	0.1
LF6VENT-15	2	0.1	3.8	17.4	0	0	9.2	10.2
LF6VENT-16	2	0.1	5.7	12.6	0	0	9.7	9.9

Notes:
NI = Not Installed
NS = Not Sampled
-- = Not Monitored
% = percent
in. = inches
LEL = Lower Explosive Limit

ATTACHMENT C – LANDFILL INSPECTION REPORTS

LANDFILL 1
INSPECTION REPORT
FORMER GRIFFISS AIR FORCE BASE

Type of Inspection: Routine Quarterly ✓ Response to Storm Event _____

Date of Inspection: 12.6.16

Personnel Present: SLL PARSONS

Weather Conditions: 30S SUNNY

INSPECTION ITEMS COMMENTS/NEED FOR ACTION

Soil Cover Integrity APPEARS IN GOOD CONDITION. (SOME SNOW COVER)

Slopes APPEAR IN GOOD CONDITION.

Cover Vegetation APPEARS IN GOOD CONDITION, NO CONC OF STRESSED AREAS NOTED.

Leachate Breakouts NONE OBSERVED.

Vectors/Holes NONE OBSERVED.

Drainage STANDING WATER ON NW CORNER AT BASE OF SHALLOW SLOPE.
(VICINITY OF VENT 2A)

Institutional Controls (Signage) ALL APPEAR IN GOOD CONDITION.

Monitoring Wells ALL APPEAR IN GOOD CONDITION

Gas Probes LF GMP-~~4~~ 4 HAS BROKEN NOZZLE → ALL OTHERS IN GOOD CONDITION.

Gas Vents VENT 6 CROSS-THREADED LID (STUCK), ALL OTHERS IN GOOD CONDITION

Security Fencing/Gates GULF ROAD GATE AND AOCY GATE IN GOOD CONDITION.
ALL OTHER OBSERVED FENCE IN GOOD CONDITION

Comments/Follow Up Needs:



Photo 1: LF001 (Landfill 1 AOC) – Facing South



Photo 2: LF001 (Landfill 1 AOC) – Facing East

LANDFILL 2
INSPECTION REPORT
FORMER GRIFFISS AIR FORCE BASE

Type of Inspection: Routine Quarterly ✓ Response to Storm Event _____

Date of Inspection: 12.6.16

Personnel Present: SLL PARSONS

Weather Conditions: HIGH 30s SUNNY

INSPECTION ITEMS COMMENTS/NEED FOR ACTION

Soil Cover Integrity APPEARS IN GOOD CONDITION. (SOME SNOW COVER)

Slopes APPEAR IN GOOD CONDITION

Cover Vegetation APPEARS IN GOOD CONDITION, NO STRESSES OR BARE AREAS OBSERVED.

Leachate Breakouts NONE OBSERVED.

Vectors/Holes ANIMAL BURROW AT BASE OF VENT 3.

Drainage NO STANDING WATER OR OBVIOUS POOR DRAINAGE OBSERVED.

Institutional Controls (Signage) ALL APPEAR IN GOOD CONDITION.

Monitoring Wells ALL APPEAR IN GOOD CONDITION.

Gas Probes ALL APPEAR IN GOOD CONDITION (LOCK SEIZED ON GMP-03, NO ACCESS)

Gas Vents ALL APPEAR IN GOOD CONDITION.

Security Fencing/Gates PERIMETER ROAD GATE IN GOOD CONDITION → LOCK DOESN'T EASILY LOCK. ALL OTHER CHAIN-LINK AND BARBED WIRE APPEAR IN GOOD CONDITION

Comments/Follow Up Needs:



Photo 3: LF002 (Landfill 2/3 AOC) – Facing North



Photo 4: LF003 (Landfill 7 AOC) – Facing Northwest



Photo 5: LF007 (Landfill 5 AOC) – Facing South

LANDFILL 6
INSPECTION REPORT
FORMER GRIFFISS AIR FORCE BASE

Type of Inspection: Routine Quarterly Response to Storm Event

Date of Inspection: 11/30/16
Personnel Present: DRD Parsons
Weather Conditions: overcast, Lt Rain at times 40s

INSPECTION ITEMS COMMENTS/NEED FOR ACTION

Soil Cover Integrity No bare spots or stressed vegetation noted

Slopes All slopes and coverage appeared to be in good condition

Cover Vegetation Grass cover of LF appeared in good condition

Leachate Breakouts None noted

Vectors/Holes Animal burrow noted next to Vent 10
" " " " " Vent 13
" " " between Vents 15 and 16

Drainage
on West side access road contains standing water between
GMP-11 and MWLF6MW-29

Institutional Controls (Signage)

All signs appeared to be in place

Monitoring Wells

All monitoring wells that were walked by appeared in good
condition

Gas Probes

All Gas probes locked and in good condition

Gas Vents

Vent-03 is tipped slightly but appears intact to BGS
Vent-10 " " " " " " " "

Security Fencing/Gates

Gate and signage good near Transfer Station entrance
Chain present at Walking Path entrance

Comments/Follow Up Needs:



Photo 6: LF009 (Landfill 6 AOC) – Facing Northwest from Southeastern Corner



Photo 7: LF009 (Landfill 6 AOC) – Facing South from Northwestern Corner