DEPARTMENT OF THE AIR FORCE
AIR FORCE CIVIL ENGINEER CENTER

September 4, 2026

MEMORANDUM FOR: U.S. Environmental Protection Agency – Region 2
Attn: Mr. Daniel D'Agostino
Federal Facilities Section
290 Broadway, 18th Floor
New York, NY 10007-1866

New York State Department of Environmental Conservation
Attn: Ms. Crystal Wolf
Bureau of Eastern Remedial Action
625 Broadway 12th Floor
Albany, NY 12233-7015

FROM: AFCEC/CZBE-Plattsburgh
8 Colorado Street, Suite 121
Plattsburgh NY 12903

SUBJECT: Final 2025 Long Term Monitoring of Landfill Areas of Concern, Former Griffiss Air Force Base, Rome, New York. September 2026.

Accompanying this letter, please find the subject document, delivered electronically, for the former Griffiss Air Force Base (AFB) for your records. As noted in the 2024 Landfill document Total Kjeldahl Nitrogen (TKN) and total phenols analytes for samples for sites LF003 and LF007 were lost to FedEx and were not analyzed. Resampling of these locations occurred 2025 and reported in this 2025 annual report. This document provides the following recommendations for landfills at Griffiss AFB based on the 2025 inspections.

LF001 recommendations include:

- Landfill gas vents be serviced, repaired, or replaced as needed.
- Landfill gas monitoring for the Fall 2026 event includes the following locations consistent with the Fall 2025 event:
  - LF1GMP-01 to -04, -06, -09, -10
  - LF1GV-01 to -14, -17 to -22, -25, and -27
- Future sampling activity at LF001 be conducted during the winter months to ensure the greatest chances of successfully accessing all the sampling locations.
- Continue with five-year groundwater and surface water sampling frequency to next occur in 2029.

LF002 recommendations include:

- Removal of downed trees or branches on fences during inspections.
- Conduct landfill gas monitoring for the Fall of 2024 event at locations LF2GMP-02 and LF2VENT-04 through -07.

- Continue with five-year groundwater and surface water sampling frequency to next occur in 2029.

LF003 recommendations include:

- The resampling event reported concentrations of both TKN and total phenols were generally consistent with results from previous sampling events such as results in the 2019 Landfill report.
- Continue with five-year groundwater and surface water sampling frequency to next occur in 2029.

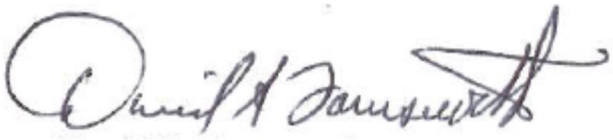
LF007 recommendations include:

- The resampling event reported concentrations of both TKN and total phenols were generally consistent with results from previous sampling events such as results in the 2019 Landfill report.
- Continue with five-year groundwater and surface water sampling frequency to next occur in 2029.

LF009 recommendations include:

- Conduct landfill gas monitoring for the Fall of 2024 event at locations LF6VENT-02, -03, and -04
- Continue with five-year groundwater and surface water sampling frequency to next occur in 2029.

Should you have any questions or concerns please contact me at 518-563-2871 or david.farnsworth@us.af.mil.



DAVID S. FARNSWORTH, DAF
Program Manager/BRAC Environmental Coordinator
BRAC Program Management Division

Attachment: Final 2025 Long Term Monitoring of Landfill Areas of Concern, Former Griffiss Air Force Base, Rome, New York. September 2026.

cc: Mr. John Swartwout, NYSDEC
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BRAC/AR

FINAL
2025 LONG TERM MONITORING OF LANDFILL AREAS OF CONCERN
FORMER GRIFFISS AIR FORCE BASE
ROME, NEW YORK

Document Control No. NEBECOS-0605-GRI

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

PREPARED BY: Bhate Environmental Associates, Inc.

COPIES: Mr. Daniel D'Agostino, United States Environmental Protection Agency
Ms. Crystal Wolf, New York State Department of Environmental Conservation

DATE: 4 September 2026

INTRODUCTION AND OBJECTIVES

Bhate Environmental Associates, Inc. (Bhate), in association with Environmental Chemical Corporation (ECC), was retained by the Air Force Civil Engineer Center (AFCEC) under Contract Number FA8903-20-D-0001 to perform long term monitoring (LTM) activities at the Former Griffiss Air Force Base (AFB). This annual reporting has been prepared for the Former Griffiss AFB landfill areas of concern (AOCs) to document LTM completed at these landfills during calendar year 2025. Locations of the Former Griffiss AFB and the five landfill AOCs are presented on **Attachment 1 - Figure 1** and include:

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

In accordance with the New York Codes of Rules and Regulations (NYCRR) Title 6, Part 360 Regulations (6 NYCRR Part 360) New York State Department of Environmental Conservation [NYSDEC], December 2016), an LTM program was developed for each landfill AOC. The selected presumptive remedy alternatives, as described in their associated Records of Decision (RODs), were implemented at Former Griffiss AFB landfills. These presumptive remedies include the use of engineering controls, institutional controls (ICs), and monitoring.

Per 6 NYCRR Part 360 requirements, 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 has been monitored for over 5 years, modifications to sampling and analysis requirements may be requested. Under 6 NYCRR Part 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 LEL for the gases at or beyond the property boundary. Therefore, further optimization or removal of a probe or vent from the monitoring program is based upon 4 consecutive years of minimal or no LEL detections, as was determined in the 2016 Draft Technical Memorandum (Bhate, May 2017).

LF001 – LANDFILL 1 AOC

LF001 (Landfill 1 AOC) is in the northern portion of the Former Griffiss AFB and is approximately 22 acres in size. **Attachment 1 - Figure 2** presents the LF001 site map, including the locations of gas monitoring probes (identified by "GMP") and gas vents (identified by "VENT"). The wastes disposed within LF001 consisted of general refuse, hard-fill (structural debris), and boiler ash, buried using trench and cover methods. An estimated 90,000 to 100,000 cubic yards (CY) of wastes were disposed 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 Remediations, Inc. [FPM]/CAPE, December 2015). The ROD for LF001 was signed by the United States Environmental Protection Agency (USEPA) on 5 June 2000 (Air Force Real Property Agency [AFRPA], February 2000). 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 (Conti Environmental, Inc. and EA Engineering, October 2002). The Final Amendment to the ROD for LF001 was signed by the USEPA on 25 September 2009 (AFRPA, September 2009). The remedial action objectives (RAOs) for LF001 are:

- Consolidation of various debris and waste areas into the main landfill boundary to reduce the area to be capped and the potential for nearby wildlife and human populations to be exposed to the landfill mass;
- Significantly reduce infiltration of rainwater and snow-melt water through the landfill mass to minimize the potential for leachate generation and groundwater contamination; and
- Monitoring the groundwater and stream environment (which may include, but not necessarily limited to, sediment, surface water, and biota) downgradient of the site to evaluate the effectiveness of the presumptive remedy.

Landfill Inspections

Since April 2005, landfill inspections and cover maintenance have been performed at LF001. Inspections and maintenance were optimized following the spring 2010 monitoring event and are now conducted on a semiannual basis (spring and fall) with annual landfill cover mowing and gas monitoring performed in the fall. Land Use Controls (LUCs)/ICs were implemented in accordance with the ROD and are verified annually as part of the landfill cover inspection program.

During the current reporting period, landfill inspections were performed on 5 June 2025 (spring inspection) and 23 October 2025 (fall inspection). The locations and orientations of photographs taken during the two LF001 inspections are presented on **Attachment 1 – Figure 2**. Landfill inspection reports and photographs are presented in **Attachment 2**.

During the spring and fall inspections, the landfill was observed to be in good overall condition, It was noted that monitoring wells LFIP-5, LFIMW-5, and LFIMW-6 were located within the beaver pond during the fall inspections. In addition to the wells observed within the beaver pond, several monitoring wells exhibited minor physical deficiencies during the fall 2025 inspection. Specifically, well LF1MW-11 had components that prevented the lid from fully closing, and wells LF1-UNK-02 and LF1-UNK-03 had missing locks. The inspection forms also noted 'missing bollards' at wells LFIP-2 and LFIP-3; however, these wells were not originally constructed with bollards, and the 'missing bollards' entries on the inspection forms were made in error. Bollards were never constructed at these wells, and currently not planned to be added in the future. The well deficiencies identified during the inspection have been entered into the 2025 Annual Well Inspection Survey and Well Maintenance Report and are scheduled for corrective action during the 2026 maintenance cycle (Bhate, May 2026).

Landfill Gas Monitoring

Landfill gas monitoring is performed at LF001 to identify the presence and concentration of methane at or near the landfill. There were 18 gas monitoring points and 31 gas vents installed when the landfill was capped. One vent, LF1GV-23, was abandoned in 2005 during installation of the passive gas trench (AFRPA, April 2010). Eleven gas monitoring points (LF1GMP-08 and -11 through -20) and eight vents (LF1GV-15, -16, -24, -26, and -28 through -31) have been removed from the monitoring program after 4 consecutive years of minimal or no LEL detections.

Landfill gas monitoring was conducted on 19 November 2025 at seven gas monitoring probes (LF1GMP-01 through -04, -06, -09, and -10) and 22 vents (LF1GV-01 through -14, -17 through -22, -25, and -27). Landfill gas monitoring results for the current and prior 3 years are presented in **Attachment 3 – Table 1**. Historical landfill gas monitoring results are presented in **Appendix A**. Methane concentrations exceeded 5% by volume in air at six of the seven gas monitoring probes: LF1GMP-01 through -04, -06, and -10. Methane concentrations at LF1GMP-09 were below 5% by volume. These probes are located south, west, and north of the landfill boundary (**Attachment 1 – Figure 2**).

Methane concentrations measured either 0% or below 5% by volume in air at all vents (**Attachment 3 - Table 1**).

Groundwater and Surface Water Sampling

Water samples are collected every 5 years from select locations at LF001. The last sampling event was conducted in October 2024, and the next sampling event is planned for 2029.

Beaver Activities

Beaver removal was conducted in July 2020. During the May 2021 inspection, beaver activity was present at the site. Breaches to the beaver dam made by the beaver control subcontractor in

2020 were found to have been repaired and the pond had refilled. During the 2025 landfill inspections, the beaver pond was full, with signs of an active beaver population and a wide variety of wildlife.

Conclusions and Recommendations

The 2025 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. Based on the *Final Basewide Uniform Federal Policy – Quality Assurance Project Plan, Long Term Monitoring, Former Griffiss Air Force Base, Rome, New York* (UFP-QAPP) (Bhate, April 2022), it is recommended that the frequency of landfill cap inspections continue semi-annually 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. To address the maintenance and repair items identified in 2025, the following activities are recommended to be performed in 2026:

- Landfill gas vents will be serviced, repaired, or replaced as needed

Based on historical landfill gas monitoring coupled with the 2025 gas monitoring results, the passive gas trench along the northwest side of the landfill is operating properly. As such, it is recommended that landfill gas monitoring for the fall of 2026 event includes the following locations consistent with the fall 2025 event.

- LF1GMP-01 to -04, -06, -09, -10
- LF1GV-01 to -14, -17 to -22, -25, and -27

Measures to remove beaver activities along Six Mile Creek at the toe of the landfill were undertaken in July 2020 to regain access to LF1MW-6. Beavers re-colonized the area by May 2021 and activity was ongoing throughout 2025. The nearby waterways and connecting streams have significant beaver populations, making rapid recolonization of the area the likely outcome of any further attempts at removal. Beaver removal from the habitat does not appear to present a lasting solution and further attempts to trap or kill the beavers are not recommended. Field personnel were able to access LF1MW-6 during the December 2022 sampling event when water levels were near their annual minimum and much of the vegetation was dead for the season. It is therefore recommended that any future sampling activity at LF001 be conducted during the winter months to ensure the greatest chances of successfully accessing all the sampling locations.

Based on historical groundwater and surface water monitoring, water samples should continue to be collected every 5 years, with the next sampling event in 2029. This will synchronize groundwater/surface water monitoring activities with the other landfills and with the Comprehensive Environmental, Response, Compensation, and Liability Act (CERCLA) Five-Year Review process.

LF002 – LANDFILL 2/3 AOC

LF002 (Landfill 2/3 AOC) is in the northeastern portion of the Former Griffiss AFB and is approximately 13 acres in size. **Attachment 1 - Figure 3** presents the LF002 site map, including the locations of gas monitoring probes (identified by “GMP”) and gas vents (identified by “VENT”). Site LF002 is comprised of Landfill 2 and Landfill 3 and, as such, the landfills are

designated as a single AOC. The Landfill 2 section operated from 1973 to 1982. An area formerly used as a skeet-shooting range was located in the northern portion of Landfill 2. Hard-fill, primarily demolition and construction debris, was disposed of in the southern portion of Landfill 2 using the area method, whereby debris was placed on the ground and periodically covered with soil. Other solid wastes were disposed of in trenches and covered with soil in both the northern and southern portions of Landfill 2. In 1982, onboard waste from overseas aircraft were boiled and disposed of in one trench in the northern portion of Landfill 2. Landfill 3 is an asbestos cell located within the eastern portion of Landfill 2. Landfill 3, which operated from 1980 to 1981, received approximately 1 ton of asbestos waste from demolition activities. The waste was reportedly wet, double-bagged, and disposed of in pits approximately 8 feet deep (Air Force Base Conversion Agency [AFBCA], February 2000). The ROD for LF002 (AFRPA, March 2000a) was signed by the USEPA on 5 June 2000. 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 (Conti Environmental, Inc. and EA Engineering, March 2002). The RAOs for LF002 are:

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

Landfill Inspections

Since April 2005, landfill inspections and cover maintenance have been performed at LF002. 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). LUCs/ICs have been implemented in accordance with the ROD and are verified annually as part of the landfill cover inspection program. Institutional controls, including the recorded deed restrictions for this site, were verified for 2025 as documented in the 2025 Land Use Controls/Institutional Controls Site Inspection Report (Bhate, June 2026).

During the reporting period, landfill inspections were performed at LF002 on 5 June 2025 (spring inspection) and 23 October 2025 (fall inspection). The location and orientation of photographs taken during the LF002 inspections are presented on **Attachment 1 – Figure 3**. Landfill inspection reports and photographs are presented in **Attachment 2**.

During the spring 2025 inspection, it is noted that there were multiple large downed trees near the entrance gate up to LF2MW-13, which prevented vehicle access. Deforestation was also observed from the entrance on Perimeter Rd to LF2MW-13 and did not impact the landfill (**Attachment 2 – Spring Photo Log S9 and S10**) . The downed trees were cleared from the

entrance area of LF002 prior to fall 2025 inspections.

Based on the fall 2025 inspection, the landfill was observed to be in good overall condition. Monitoring well LF2MW-UNK-01 was observed to have missing bollards, as noted in the fall 2025 inspection report (**Attachment 2**). However, this well was not originally constructed with bollards and the 'missing bollards' entries on the inspection forms were made in error. Bollards were never constructed at this well and, currently, are not planned to be added in the future. No functional impairment of the well was observed, and no corrective maintenance is noted for this item. LF2VENT-04 was observed to be slightly bent; however, the vent remained intact and functional. No inoperable gas vent turbines, animal burrows, or cap damage were observed during either spring or fall 2025 inspection events.

Landfill Gas Monitoring

Landfill gas monitoring is performed at LF002 to identify the presence and concentration of methane at or near the landfill. There were nine gas monitoring points and 14 gas vents installed when the landfill was capped. Seven gas monitoring points (LF2GMP-01, -03 through -05, and -07 through -09) and nine vents (LF2VENT-01 through -03, -08 through -11, and -13 through -14) have been removed from the monitoring program after 4 consecutive years of minimal or no LEL detections.

Landfill gas monitoring was conducted on 20 November 2025 at two gas monitoring probes (LF2GMP-02 and LF2GMP-06) and five landfill gas vents (LF2VENT-04, -05, -06, -07, and -12). Landfill gas monitoring at LF2GMP-06 and LF2VENT-12 was conducted during the 2025 event in error. These locations were formally removed from the landfill gas monitoring program in the Final 2023 Long Term Monitoring of Landfill Areas of Concern Report based on meeting the removal criteria of four or more consecutive years of minimal or no LEL detections (Bhate, November 2024). Their inclusion in the 2025 field activities did not represent a reinstatement of these locations into the landfill gas monitoring program. The approved monitoring locations shown on **Figure 3** remain accurate and will continue to govern future sampling events. Landfill gas monitoring results for the current and prior 4 years are presented in **Attachment 3 – Table 2**. Historical landfill gas monitoring results are presented in **Appendix A.** Results from the gas monitoring event at LF002 indicate that methane concentrations did not exceed 5% by volume in air (the LEL for methane) at any gas monitoring probe or landfill gas vent. Methane was detected at the landfill gas vents as follows: LF2VENT-04 at 0.2% by volume, LF2VENT-05 at 3.2% by volume, and LF2VENT-06 at 0.8% by volume

Groundwater and Surface Water Sampling

Water samples are collected every 5 years from select locations at LF002. The last sampling event was in 2024, and the next sampling event is planned for 2029.

Conclusions and Recommendations

The 2025 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.

Based on the Final UFP-QAPP (Bhate, April 2022), it is recommended that the landfill inspection frequency continue semi-annually 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 continue to show site-wide stabilization of methane concentrations. Based on historical groundwater and surface water monitoring, water samples should continue to be collected every 5 years.

Based upon historical data (Bhate, May 2020) coupled with the fall 2025 readings, it is recommended that landfill gas monitoring for the fall of 2026 event includes the following locations.

- LF2GMP-02
- LF2VENT-04 through -07

LF003 – LANDFILL 7 AOC

LF003 (Landfill 7 AOC), active from 1950 through 1954, is northeast of Runway 15/33 in the northeastern portion of the Former Griffiss AFB and is approximately 11 acres in size. **Attachment 1 - Figure 4** presents the LF003 site map. The wastes disposed of at this landfill consisted of domestic refuse, solid waste, liquid waste, 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 (AFRPA, March 2000b) was signed by the USEPA on 6 June 2000. 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/CAPE, December 2015). The RAOs for LF003 are:

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

Landfill Inspections

Since September 2003, landfill inspections and cover maintenance have been performed at LF003. 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). LUCs/ICs have been implemented in accordance with the ROD and are verified annually as part of the landfill cover inspection program. Institutional controls, including the recorded deed restrictions for this site, were verified for 2025 as documented in the 2025 Land Use Controls/Institutional Controls Site Inspection Report (Bhate, June 2026).

During the reporting period, landfill inspections were performed at LF003 on 05 June 2025 (spring inspection) and 23 October 2025 (fall inspection). The location and orientation of photographs taken during the LF003 inspections are presented on **Attachment 1 - Figure 4**. Landfill inspection reports and photographs are presented in **Attachment 2**.

During both the fall and spring inspections, the landfill was observed to be in good overall condition, with no significant deficiencies or conditions requiring corrective action noted at the time of inspection.

Landfill Gas Monitoring

Landfill gas monitoring is not required at LF003.

Groundwater and Surface Water Sampling

Water samples are collected every 5 years from select locations at LF003 (Landfill 7 AOC). The last sampling event was in 2024, and the next sampling event is planned for 2029. However, as noted in the 2024 Landfill Report (Bhate, December 2025), due to FedEx shipping complications, a limited number of groundwater sample containers (LF7MW-22, LF7MW-26, and LF7MW-30) were lost in transit and therefore could not be analyzed for Total Kjeldahl Nitrogen (TKN) and total phenols. As a result, these samples were resampled in 2025 for those analytes. The resampling event was conducted in accordance with the Final Basewide UFP-QAPP (Bhate, April 2022).

On 19 November 2025, three groundwater monitoring wells (LF7MW-22, LF7MW-26, and LF7MW-30) were resampled. Depth to water was measured in each well before purging by low-flow methods. Water samples were collected in laboratory provided containers, immediately packed on ice, and shipped to SGS, Orlando, Florida for analysis. Groundwater samples were analyzed for TKN and total phenols. Groundwater quality assurance (QA)/quality control (QC) samples were collected to document QA/QC procedures.

Groundwater analytical results were compared to the NYSDEC screening standard found in NYCRR Title 6 Part 703.5 *Water Quality Standards Surface Waters and Groundwater,* Table 1 and the Division of Water Technical and Operational Guidance Series (1.1.1) Table 1 (NYSDEC, June 1998). Field forms are presented in **Attachment 4**. Laboratory analytical reports and DVRs are included in **Attachment 5**.

Groundwater and Surface Water Analytical Results

Sampling results for TKN and total phenols are presented in **Attachment 3 – Table 3.** Concentrations of both TKN and total phenols are generally consistent with results from previous sampling events such as results in the 2019 Landfill report (Bhate, May 2020).

Conclusions and Recommendations

The 2025 inspections did not identify any major deficiencies that would jeopardize the integrity of the landfill cover and there is optimal vegetation cover present on the cap at LF003.

Based on the Final UFP-QAPP (Bhate, April 2022), it is recommended that the inspection frequency continue semi-annually with a limited landfill inspection in the spring and the more comprehensive inspection in the fall to coincide with annual mowing. Based on historical groundwater and surface water monitoring, water samples should continue to be collected every 5 years, with the next sampling event in 2029.

LF007 – LANDFILL 5 AOC

LF007 (Landfill 5 AOC) is in the south-central portion of the Former Griffiss AFB and is approximately 4 acres in size. **Attachment 1 - Figure 5** presents the LF007 site map. 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 (AFRPA, March 2000c) was signed by the USEPA on 5 June 2000. 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 (Conti Environmental, Inc. and EA Engineering. July 2002). The RAOs for LF007 are:

- Consolidation of various debris and waste areas into the main landfill boundary 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 snow-melt water through the landfill mass to minimize the potential for leachate generation and groundwater contamination;
- Monitoring the groundwater and the stream environment (which may include, but not necessarily limited to, sediment, surface water, and biota) downgradient of the site; and
- Implementation of ICs in the form of deed restrictions of the main landfill boundary to prohibit use of the area and groundwater

Landfill Inspections

Since September 2003, landfill inspections and cover maintenance have been performed at LF007. 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). LUCs/ICs have been implemented in accordance with the ROD and are verified annually as part of the landfill cover inspection program. Institutional controls, including the recorded deed restrictions for this site, were verified for 2025 as

documented in the 2025 Land Use Controls/Institutional Controls Site Inspection Report (Bhate, June 2026).

During the reporting period, landfill inspections were performed at LF007 on 05 June 2025 (spring inspection) and 22 October 2025 (fall inspection). The location and orientation of photographs taken during the LF007 inspections are presented in **Attachment 1 - Figure 5**. Landfill inspection reports and photographs are presented in **Attachment 2**.

During the spring and fall 2025 inspections, the landfill was observed to be in good overall condition, with no significant deficiencies or conditions requiring corrective action noted at the time of inspection.

A knocked-over sign and fence gate were observed at the beginning of the access path to LF5MW-3 during both inspection events. Additionally, the access path to LF5MW-3 was obstructed by fallen trees and dense vegetation, rendering the location inaccessible by vehicle. Follow-up actions to address the knocked-over sign, fallen gate, and vegetation obstructing access to LF5MW-3 have been included in the planned 2026 maintenance activities identified in the 2025 Annual Well Inspection Survey and Well Maintenance Report, which prioritize vegetation removal and repair of surface components necessary to ensure well accessibility and protectiveness (Bhate, May 2026).

Landfill Gas Monitoring

Landfill gas monitoring is not required at LF007.

Groundwater and Surface Water Sampling

Water samples are collected every 5 years from select locations at LF007 (Landfill 5 AOC). The last sampling event was in 2024, and the next sampling event is planned for 2029. However, as noted in the 2024 Landfill Report (Bhate, December 2025), due to FedEx shipping complications, a limited number of groundwater and surface water sample containers (LF5MW-3, LF5MW-5, LF5MW-100R, MW49D07, LF5SW-1, LF5SW-2, and LF5SW-3) were lost in transit and therefore could not be analyzed for TKN and total phenols. As a result, these samples were resampled for those analytes. The resampling event was conducted in accordance with the Final Basewide UFP-QAPP (Bhate, April 2022).

On 18 November 2025, four groundwater monitoring wells (LF5MW-3, LF5MW-5, LF5MW-100R, and MW49D07) and three surface water locations (LF5SW-1, LF5SW-2, and LF5SW-3) were resampled. Depth to water was measured in each well before purging by low-flow methods. Water samples were collected in laboratory provided containers, immediately packed on ice, and shipped to SGS, Orlando, Florida for analysis. Groundwater and surface water samples were analyzed for TKN and total phenols. Groundwater QA/QC samples were collected to document QA/QC procedures.

Groundwater and surface water analytical results were compared to the NYSDEC screening standard found in NYCRR Title 6 Part 703.5 Water Quality Standards Surface Waters and Groundwater, Table 1 and the Division of Water Technical and Operational Guidance Series (1.1.1) Table 1 (NYSDEC, June 1998). Field forms are presented in **Attachment 4**. Laboratory

analytical reports and DVRs are included in **Attachment 5**.

Groundwater and Surface Water Analytical Results

Sampling results for TKN and total phenols are presented in **Attachment 3 - Table 4**. Concentrations of both TKN and total phenols are generally consistent with results from previous sampling events, such as results in the 2019 Landfill report (Bhate, May 2020).

Conclusions and Recommendations

The 2025 inspections did not identify any major deficiencies that would jeopardize the integrity of the landfill cover and there is optimal vegetation cover present on the cap at LF007.

Based on the Final UFP-QAPP (Bhate, April 2022), it is recommended that the inspection frequency continue semi-annually with a limited landfill inspection in the spring and the more comprehensive inspection in the fall to coincide with annual mowing. Based on historical groundwater and surface water monitoring, water samples should continue to be collected every 5 years, with the next sampling event in 2029.

LF009 – LANDFILL 6 AOC

LF009 (Landfill 6 AOC) is near the southern boundary of the base and is approximately 15.7 acres in size. **Attachment 1 - Figure 6** presents the LF009 site map, including the locations of gas monitoring probes (identified by "GMP") and gas vents (identified by "VENT"). The wastes disposed at the landfill included general refuse and hard-fill that was buried and some of which was burned at the site. An estimated 38,000 to 62,000 CY of wastes were disposed of 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. In 1986, a clay cap was constructed over the fuel-contaminated soils area. The ROD (AFRPA, February 2001) for LF009 was signed by the USEPA on 7 June 2001. The cap was completed in 2004. The cap components include a gas venting layer, a 12-inch low-permeability layer, drainage layer, barrier protection layer, at least 6-inches of topsoil, and grass cover (FPM/CAPE, December 2015). The RAOs for LF009 are:

- Consolidation of various debris and waste areas into the main landfill boundary to reduce the area to be capped and the potential for nearby wildlife and human populations to be exposed to the landfill mass;
- Significantly reduce infiltration of rainwater and snow-melt water through the landfill mass to minimize the potential for leachate generation and groundwater contamination;
- Monitoring the groundwater and the stream environment (which may include, but not necessarily limited to, sediment, surface water, and biota) downgradient of the site to evaluate the effectiveness of the presumptive remedy; and
- Implementation of ICs in the form of deed restrictions within the main landfill boundary and for the affected groundwater to prohibit use of the area and groundwater.

Site SD052-02 borders LF009 to the north (**Attachment 1 - Figure 6**) and is associated with a groundwater contaminant 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 trichloroethene site plume, located immediately downgradient to the south of LF009. The most contaminated portion of the plume is located southwest of the landfill beneath the floodplain of Three Mile Creek. Monitoring of chlorinated VOCs in groundwater at LF009 is completed as part of remedial efforts at Site SD052-04. **Attachment 1 - Figure 6** reflects the generalized groundwater flow from Site SD052-02, which is just upgradient of the landfill, southwest towards Site SD052-04.

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 semi-annual basis. Landfill cover mowing is conducted on an annual basis (fall). LUCs/ICs have been implemented in accordance with the ROD and are verified annually as part of the landfill cover inspection program. Institutional controls, including the recorded deed restrictions for this site, were verified for 2025 as documented in the 2025 Land Use Controls/Institutional Controls Site Inspection Report (Bhate, June 2026).

During the reporting period, landfill inspections were performed on 05 June 2025 (spring inspection) and 22 October 2025 (fall inspection). The location and orientations of photographs taken during the 2025 inspections are presented on **Attachment 1 – Figure 6**. Landfill inspection reports and photographs are presented in **Attachment 2**.

During the spring 2025 inspection, the landfill was observed to be in good overall condition, with no significant deficiencies or conditions requiring corrective action noted at the time of inspection.

During the fall 2025 inspection, several additional observations were documented in the LF009 Inspection Report (**Attachment 2**). Monitoring well TMC-USGS-2 could not be located during the inspection. The inspection form characterized the well as having been run over; however, this was a mis-characterization, as the condition of the well could not be verified due to its being unlocatable at the time of inspection. Well LFGIW-03 was observed to be missing several components, including the well lid, lock, and j-plug. The inspection form also noted ‘missing bollards’ at well LFGMW-39; however, this well was not originally constructed with bollards, and the ‘missing bollards’ entries on the inspection forms were made in error. Bollards were never constructed at this well, and currently not planned to be added in the future. A fallen tree was also observed on the gate located in the eastern portion of the landfill. The well deficiencies identified during the inspection have been entered into the 2025 Annual Well Inspection Survey and Well Maintenance Report (Bhate, May 2026) and are scheduled for corrective action during the 2026 maintenance cycle. TMC-USGS-2 will be included in the 2026 well inventory location effort.

During the fall 2025 inspection, animal burrowing was observed near VENT-02 and VENT-07. VENT-04 was observed missing the mesh screen. These observations did not appear to compromise the functionality of the monitoring or gas control infrastructure at the time of inspection.

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. There were 20 gas monitoring points and 16 gas vents installed when the landfill was capped. All 20 gas monitoring points and 12 vents (LF6VENT-01, -05, and -07 through -16) have been removed from the monitoring program after four consecutive years of minimal or no LEL detections.

Landfill gas monitoring was conducted on 20 November 2025 at LF6VENT-02, LF6VENT-03, LF6VENT-04, and LF6VENT-06. The sample at LF6VENT-06 during the 2025 event was mistakenly collected as this location had been formally removed from the landfill gas monitoring program in the Final 2023 Long-Term Monitoring Report after meeting the removal criterion of four or more consecutive years of minimal or no LEL detections (Bhate, November 2024). Its inclusion in the 2025 field activities resulted from mistaken field implementation and does not represent reinstatement of this location into the monitoring program. **Figure 6** correctly reflects the approved monitoring network and LF6VENT-06 will remain excluded from the program.

Landfill gas monitoring results for the current and prior 3 years are presented in **Attachment 3 – Table 5**. Historical landfill gas monitoring results are presented in **Appendix A**. Methane concentrations at all vents were below 5% by volume in air (the LEL for methane). Methane was measured at 0.1% by volume at LF6VENT-02, LF6VENT-03, LF6VENT-04, and LF6VENT-06.

Groundwater, Leachate, and Surface Water Sampling

Water samples are collected every 5 years from select locations at LF009 (Landfill 6 AOC). The last sampling event was in 2024, and the next sampling event is planned for 2029.

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. Based on the Final UFP-QAPP (Bhate, April 2022), it is recommended that the inspection frequency continue semi-annually 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 2025 shows that methane levels were stable or absent at monitored gas probes.

Based upon historical data (Bhate, May 2020), coupled with the fall 2025 readings, it is recommended that landfill gas monitoring for the fall of 2026 event include the following locations.

- LF6VENT-02, -03, and -04

Based on historical groundwater and surface water monitoring, water samples should continue to be collected every 5 years, next occurring in 2029.

REFERENCES

AFBCA. February 2000. *Final Proposed Plan Landfills 2/3 Area of Concern, Former Griffiss Air Force Base, Rome, New York.* (Administrative Record [AR] 1405)

AFRPA. February 2000. *Final Record of Decision for the Landfill 1 Area of Concern at the Former Griffiss Air Force Base, Rome, New York*. (AR 1403)

AFRPA. March 2000a. *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 2000b. *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 2000c. *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)

AFRPA. September 2009. *Final Amendment to the Record of Decision for the Landfill 1 Area of Concern, Former Griffiss Air Force Base, Rome, New York.*

AFRPA. April 2010. *Report on Implementation of Remedial Action at Landfill 1 AOC, Former Griffiss Air Force Base, Rome, New York*. (AR 1988)

Bhate. May 2017. *Final Technical Memorandum, Long Term Monitoring of Landfill Areas of Concern, Former Griffis Air Force Base, Rome, New York.*

Bhate. May 2020. *Final Technical Memorandum, Long Term Monitoring of Landfill Areas of Concern, Former Griffis Air Force Base, Rome, New York.*

Bhate. April 2022. *Uniform Federal Policy – Quality Assurance Project Plan, Long Term Monitoring, Former Griffiss Air Force Base, Rome, New York.*

Bhate. November 2024. *2023 LONG TERM MONITORING OF LANDFILL AREAS OF CONCERN, FORMER GRIFFISS AIR FORCE BASE, ROME, NEW YORK*

Bhate. May 2026. *Draft 2025 Annual Well Inspection Survey and Well Maintenance, Former Griffiss Air Force Base, Rome, New York.*

Bhate. June 2026. *Draft Final 2025 Land Use Controls/Institutional Controls Site Inspection Report, Former Griffiss Air Force Base, Rome, New York.*

Conti Environmental, Inc. and EA Engineering. March 2002*. Landfill 2/3 Cover Improvements Closure Plan.*

Conti Environmental, Inc. and EA Engineering. July 2002*. Landfill 5 Cover Improvements Closure Plan.*

Conti Environmental, Inc. and EA Engineering. October 2002. *Landfill 1 Cover Improvements Closure Plan.*

FPM/CAPE. 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)

NYSDEC. June 1998. *Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations.* Division of Water Technical and Operational Guidance Series (1.1.1) Table 1.

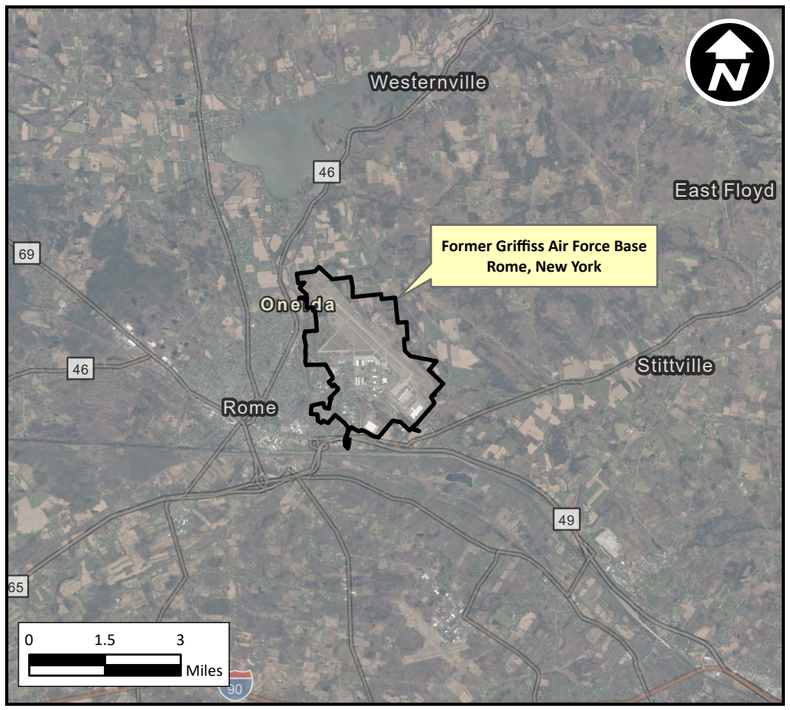
NYSDEC. December 2016. *Title 6 of the Codes, Rules and Regulations of New York Subpart 360-2 Landfills.*

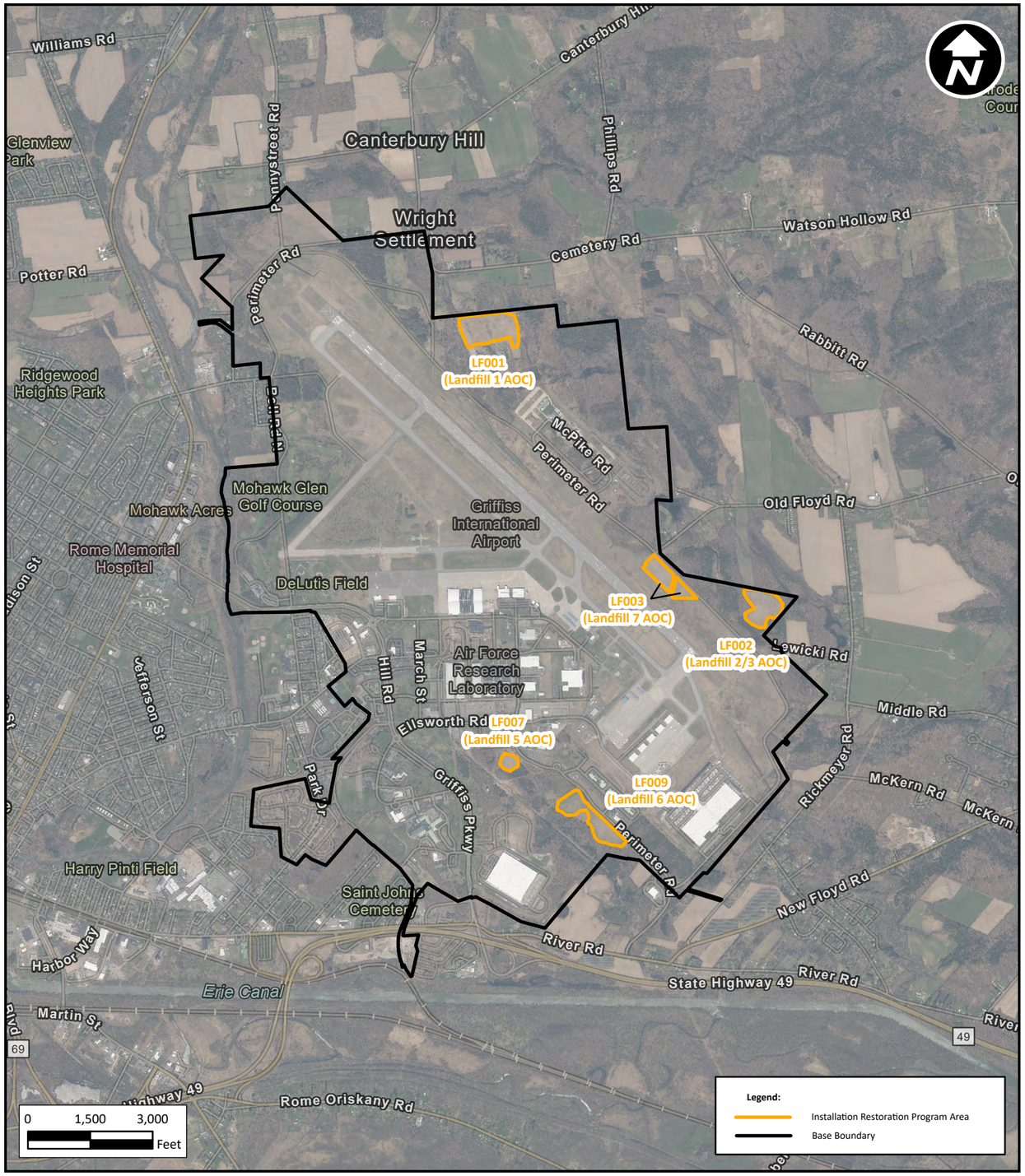
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ATTACHMENT 1 – FIGURES

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NYS_Orthoimagery_Latest: NYS ITS Geospatial Services
World Imagery: Earthstar Geographics

Former Griffiss Air Force Base
Landfill AOC Sites Location Map

Figure 1

2025 Long-Term Monitoring of Landfill Areas of Concern
Former Griffiss Air Force Base, Rome, New York

DRAWN BY: MRM

DATE: 2/25/2026

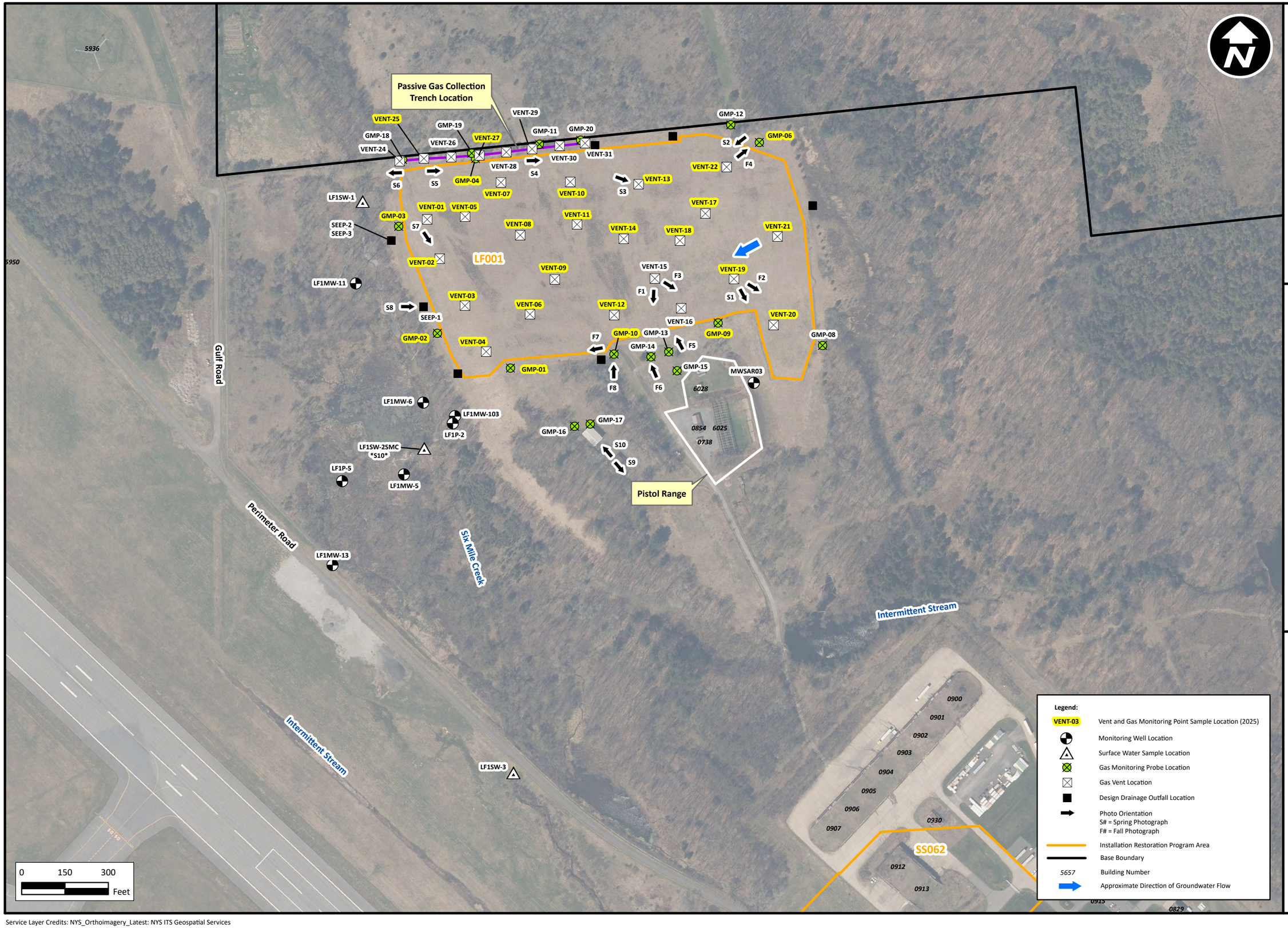
SCALE: As Shown

PROJECT NO: MSC2021.0012.3007.0002

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Figure 2

LF001 (Landfill 1 AOC) 2025 Inspections

2025 Long-Term Monitoring of Landfill Areas of Concern
Former Griffiss Air Force Base, Rome, New York

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DATE: 2/25/2026

SCALE: As Shown

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LF002 (Landfill 2/3 AOC) 2025 Inspections

Figure 3

2025 Long-Term Monitoring of Landfill Areas of Concern
Former Griffiss Air Force Base, Rome, New York

DRAWN BY: MRM

DATE: 2/25/2026

SCALE: As Shown

PROJECT NO: MSC2021.0012.3007.0002

LF002

GMP-03 GMP-04 GMP-08 GMP-02 GMP-05 GMP-09 GMP-01 GMP-06 GMP-07

VENT-01 VENT-02 VENT-03 VENT-04 VENT-13 VENT-07 VENT-14 VENT-05 VENT-12 VENT-06 VENT-10 VENT-11 VENT-09 VENT-08

S1 S2 S3 S4 S5 S6 S7 S8 S9 S10

F1 F2 F3 F4 F5 F6 F7 F8

LF2MW-14 LF2MW2-1 LF2MW-13 LF2MW-4 LF2MW-12 LF2MW-100

LF2SW-3 LF2SW-2 LF2SW-1

Perimeter Road

Deforestation Area (Estimated)

N0797

0762

0 100 200 Feet

Legend:

- VENT-04 — Vent and Gas Monitoring Point Sample Location (2025)
- Monitoring Well Location
- Surface Water Sample Location
- Gas Monitoring Probe Location
- Gas Vent Location
- Design Drainage Outfall Location
- Photo Orientation
  S# = Spring Photograph
  F# = Fall Photograph
- Installation Restoration Program Area
- Base Boundary
- 5657 — Building Number
- Approximate Direction of Groundwater Flow

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Pond

Pond

LF7WL-4

LF7MW-27

S5

5960

LF003

LF7MW-29

0802

F2

S4

Perimeter Road

LF7MW-22

LF7WL-3

LF7MW-100

F6

LF7MW-26

5945

LF7MW-28

S6 / F4

F3

LF003

F1

S3

S7

F5

LF7MW-30

S1

S2

LF7MW-23

6235

5986

6242

5985

5525

0 100 200 Feet

Legend:

- LF7MW-30 — Groundwater and Surface Water Resample Location (2025)
- Monitoring Well Location
- Surface Water Sample Location
- Photo Orientation
  S# = Spring Photograph
  F# = Fall Photograph
- Installation Restoration Program Area
- Base Boundary
- 5657 — Building Number
- Approximate Direction of Groundwater Flow

Service Layer Credits: NYS_Orthoimagery_Latest: NYS ITS Geospatial Services

LF003 (Landfill 7 AOC) 2025 Inspections

Figure 4

2025 Long-Term Monitoring of Landfill Areas of Concern
Former Griffiss Air Force Base, Rome, New York

DRAWN BY: MRM

DATE: 3/25/2026

SCALE: As Shown

PROJECT NO: MSC2021.0012.3007.0002

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LF007 (Landfill 5 AOC) 2025 Inspections

Figure 5

2025 Long-Term Monitoring of Landfill Areas of Concern
Former Griffiss Air Force Base, Rome, New York

DRAWN BY: MRM

DATE: 3/25/2026

SCALE: As Shown

PROJECT NO: MSC2021.0012.3007.0002

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0700

Perimeter Road

Three Mile Creek

LF007

S1
S2
S3
S4
S5 / F2
S6
S7
S8
S9 / F7
F1
F3
F4
F5
F6

LF5MW-1A
LF5MW-3
LF5MW-100R
LF5MW-4
LF5MW-5
MW49D07

LF5SW-1
LF5SW-2
LF5SW-3

0 50 100 Feet

Legend:

- LF5MW-3 — Groundwater and Surface Water Resample Location (2025)
- Monitoring Well Location
- Surface Water Sample Location
- Photo Orientation
  S# = Spring Photograph
  F# = Fall Photograph
- Installation Restoration Program Area
- *5657* — Building Number
- Approximate Direction of Groundwater Flow

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Figure 6

LF009 (Landfill 6 AOC) 2025 Inspections

2025 Long-Term Monitoring of Landfill Areas of Concern
Former Griffiss Air Force Base, Rome, New York

DRAWN BY: MRM

DATE: 2/25/2026

SCALE: As Shown

PROJECT NO: MSC2021.0012.3007.0002

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SD052-SVI
Buildings 774 & 776

SD052-02

SD052-04

LF009
(Landfill 6 AOC)

SS054

0774
0776
0777
5660
0778
0780
0796
0788

F5
S6
775VMW-18R
GMP-02
VENT-01
F2
GMP-03
S7
VENT-02
GMP-15 SD
GMP-01
F7
VENT-03
VENT-04
VENT-06
GMP-04
F6
VENT-07
GMP-16 SD
VENT-05
S2
GMP-12
LF6VMW-25
TMCMW-9
GMP-13
LF6VMW-24
LF6W-1
VENT-08
LF6MW-1
S5
GMP-05
F8
VENT-09
S4
GMP-17 SD
F1
S3 / F3
GMP-06
VENT-11
LF6/TMCSW-1
LF6MW-12
LF6VMW-23
S9
S8
VENT-10
LF6VMW-22
GMP-11
LF6VMW-26
LF6VMW-10R2
LF6VMW-17S
LF6VMW-17D
VENT-13
VENT-12
LF6VMW-21
VENT-14
GMP-07
F4
Perimeter Road
VENT-15
LF6/TMCSW-2
LF6LH-2
LF6-SW1 PM
VENT-16
GMP-10
GMP-08
LF6VMW-20
S1
LF6VMW-18
GMP-09
LF6VMW-19
Three Mile Creek
LF6LH-1
TMC-USGS-2
LF6/TMCSW-3

0 100 200 Feet

Legend:

- VENT-02 — Vent and Gas Monitoring Point Sample Location (2025)
- Monitoring Well Location
- Surface Water Sample Location
- Gas Monitoring Probe Location
- Gas Vent Location
- Leachate Sampling Location
- Design Drainage Outfall Location
- Photo Orientation
  S# = Spring Photograph
  F# = Fall Photograph
- Installation Restoration Program Area
- Base Boundary
- 5657 — Building Number
- Approximate Direction of Groundwater Flow

Service Layer Credits: NYS_Orthoimagery_Latest: NYS ITS Geospatial Services

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ATTACHMENT 2 – LANDFILL INSPECTION REPORTS

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LANDFILL: LF001
INSPECTION REPORT

2025

FORMER GRIFFISS AIR FORCE BASE

Type of Inspection: Landfill Inspection Response to Storm Event? No
Date of Inspection: 6/5/25
Personnel Present: G. Wilbert, A. Sinisgalli
Weather Conditions: 72°F, Cloudy
INSPECTION ITEMS COMMENTS/NEED FOR ACTION

Soil Cover Integrity: Soil Cover integrity is good

Slopes: Landfill slopes are Stable

Cover Vegetation: Cover vegetation is present, impedes erosion

Leachate Breakouts: No leachate breakouts observed

Vectors: No vectors created by groundhogs observed

Drainage: Drainage Systems are in tact

Institutional Controls: All Signage in tact

Monitoring Wells: All monitoring wells located and in good condition

Gas Probes: All gas probes located and in good condition

Gas Vents: All gas vents located and in good condition

Security Fencing/Gates: All fencing/gates in good condition

Comments/Follow Up Needs: None

LF001 – Spring 2025

Near LF1GV-19, facing south-southeast. (S1)



LF1GMP-06, facing southwest. (S2)



Please note: (S) designates that the photos were taken in the spring.

LF001 – Spring 2025

LF1GV-13, facing east. (S3)



Near LF1GV-29, east-northeast. (S4)



LF001 – Spring 2025

At LF1GV-25, facing east-northeast. (S5)



At LF1GV-24, facing west. (S6)



LF001 – Spring 2025

At LF1GV-01, facing southeast. (S7)



At SEEP-1, facing east. (S8)



LF001 – Spring 2025

Road end, facing southeast. (S9)



County Bldg, facing northwest. (S10)



LANDFILL: LF001
INSPECTION REPORT

2025

FORMER GRIFFISS AIR FORCE BASE

Type of Inspection: Landfill inspection Response to Storm Event? No

Date of Inspection: 10/23/25

Personnel Present: Gavin Wilbert, AngeloSinisgalli

Weather Conditions: 51°f, Rain

INSPECTION ITEMS COMMENTS/NEED FOR ACTION

Soil Cover Integrity: Soil cover integrity is good.

Slopes: Landfill slopes are stable.

Cover Vegetation: Cover vegetation is present, impedes erosion.

Leachate Breakouts: No leachate breakouts observed.

Vectors: No vectors created by groundhogs observed.

Drainage: Drainage systems are intact.

Institutional Controls: All signage in tact.

Monitoring Wells: DNL monitoring wells LF1MW-5 LF1MW-6 and LF1P-5 in beaver pond. LF1MW-11 j-plug does not allow well lid to fully close. LF1P-2 and LF1P-3 have no bollards. LF1-UNK-02 and LF1-UNK-03 are missing a lock. All other monitoring wells located and in good condition.

Gas Probes: All gas probes located and in good condition.

Gas Vents: All gas vents located and in good condition.

Security Fencing/Gates: All fencing/gates in good condition.

Comments/Follow Up Needs: None.

LF001 – Fall 2025

At LF1GV-15, facing south. (F1)



At LF1GV-19, facing southeast. (F2)



Please note: (F) designates that the photos were taken in the fall.

LF001 – Fall 2025

At LF1GV-15, facing east-southeast. (F3)



At LF1GMP-06, facing northeast. (F4)



LF001 – Fall 2025

LF1GMP-13, facing north-northwest. (F5)



LF1GMP-14, facing north-northwest. (F6)



LF001 – Fall 2025

At LF1GMP-10, facing west. (F7)



At LF1GMP-10, facing north. (F8)



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LANDFILL: LF002
INSPECTION REPORT

2025

FORMER GRIFFISS AIR FORCE BASE

Type of Inspection: Landfill inspection Response to Storm Event? No
Date of Inspection: 6/5/25
Personnel Present: G. Wilbert, A. Sinisgalli
Weather Conditions: 72°F, mostly sunny
INSPECTION ITEMS COMMENTS/NEED FOR ACTION

Soil Cover Integrity: Soil cover integrity is good

Slopes: Landfill slopes are stable

Cover Vegetation: Large amounts of deforestation from the entrance gate up to LF2MW-13 have occurred, rest of cover vegetation is present

Leachate Breakouts: No leachate breakouts observed

Vectors: No vectors created by groundhogs observed

Drainage: Drainage systems are in tact

Institutional Controls: All signage in tact

Monitoring Wells: All monitoring wells located and in good condition

Gas Probes: All gas probes located and in good condition

Gas Vents: All gas vents located and in good condition

Security Fencing/Gates: All fencing/gates in good condition

Comments/Follow Up Needs: Multiple large trees have been downed behind LF2MW-13. Prevents access into landfill via vehicle, completely blocks road/pathway into landfill.

LF002 – Spring 2025

Facing northeast next to LF2GMP-01. (S1)



Facing north-northeast toward LF2GV-10. (S2)



LF002 – Spring 2025

South edge with hunting stand across fence line, facing south. (S3)



Near LF2GMP-05, facing west-northwest. (S4)



LF002 – Spring 2025

Facing southeast, toward LF2GV-04. (S5)



At LF2GV-04, facing south-southwest (S6)



LF002 – Spring 2025

Facing south-southeast, toward LF2GV-01. (S7)



At LF2GV-13, facing southeast. (S8)



LF002 – Spring 2025

At LF2MW-12, facing northwest. deforestation. (S9)



Near Perimeter Rd, facing north towards LF2MW-12 and LF2MW-100. Deforestation. (S10)



LANDFILL: LF002
INSPECTION REPORT

2025

FORMER GRIFFISS AIR FORCE BASE

Type of Inspection: Landfill inspection Response to Storm Event? No

Date of Inspection: 10/23/25

Personnel Present: Gavin Wilbert, Angelo Smisgalli

Weather Conditions: 54°F, Cloudy

INSPECTION ITEMS COMMENTS/NEED FOR ACTION

Soil Cover Integrity: Soil Cover integrity is good.

Slopes: Landfill slopes are stable.

Cover Vegetation: Cover vegetation is present, impedes erosion, landfill has been freshly mowed.

Leachate Breakouts: No leachate breakouts observed.

Vectors: No vectors Created by groundhogs observed.

Drainage: Drainage Systems are in tact.

Institutional Controls: All signage in tact.

Monitoring Wells: LF2MW-UNK-01 is missing bollards. All other monitoring wells located and in good condition.

Gas Probes: All gas probes located and in good condition.

Gas Vents: VENT-04 is slightly bent. All other gas vents located and in good condition.

Security Fencing/Gates: All fencing/gates in good condition.

Comments/Follow Up Needs: None.

LF002 – Fall 2025

At LF2GMP-01, facing southeast. (F1)



LF2GV-13, facing south. (F2)



LF002 – Fall 2025

LF2GV-10, facing southwest. (F3)



LF2GV-14, facing west. (F4)



LF002 – Fall 2025

At LF2GV-04, facing east-southeast with Vent 05 and 06 shown. (F5)



LF2GMP-03 in the ditch (not shown), facing north. (F6)



LF002 – Fall 2025

LF2GMP-02 (lower right corner), facing northeast. (F7)



LF2GMP-09, facing northeast. (F8)



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LANDFILL: LF003
INSPECTION REPORT

2025

FORMER GRIFFISS AIR FORCE BASE

Type of Inspection: Landfill Inspection Response to Storm Event? No
Date of Inspection: 6/5/25
Personnel Present: G. Wilbert, A. Sinisgalli
Weather Conditions: 73°F, Cloudy
INSPECTION ITEMS COMMENTS/NEED FOR ACTION

Soil Cover Integrity: Soil cover integrity is good

Slopes: Landfill slopes are stable

Cover Vegetation: Cover vegetation is present, impedes erosion

Leachate Breakouts: No leachate breakouts observed.

Vectors: No vectors created by groundhogs observed

Drainage: Drainage systems are in tact

Institutional Controls: All signage in tact

Monitoring Wells: All monitoring wells located and in good condition

Gas Probes: All gas probes located and in good condition

Gas Vents: All gas vents located and in good condition

Security Fencing/Gates: All fencing/gates in good condition

Comments/Follow Up Needs: None

LF003 – Spring 2025

East corner, facing northwest. (S1)



East corner, facing west-northwest. (S2)



LF003 – Spring 2025

Northwestern corner of east cell, facing west-southwest (S3)



Between cells, north of east cell, facing southwest. (S4)



LF003 – Spring 2025

West corner of west cell,
Facing south-southeast. (S5)



Between cells to the south,
facing north. (S6)



LF003 – Spring 2025

Between cells to the south,

facing south-southwest. (S7)



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LANDFILL: LF003
INSPECTION REPORT

2025

FORMER GRIFFISS AIR FORCE BASE

Type of Inspection: Landfill inspection Response to Storm Event? No
Date of Inspection: 10/23/25
Personnel Present: Gavin Wilbert, Angelo Sinisgalli
Weather Conditions: 54°F, Cloudy
INSPECTION ITEMS COMMENTS/NEED FOR ACTION

Soil Cover Integrity: Soil cover integrity is good

Slopes: Landfill Slopes are Stable

Cover Vegetation: Cover vegetation is present, impedes erosion.

Leachate Breakouts: No leachate breakouts observed.

Vectors: No vectors Created by groundhogs observed.

Drainage: Drainage Systems are in tact.

Institutional Controls: Signage hit by a mower and broken near LF7MW-100, All other signage intact.

Monitoring Wells: LF7MW-100 is missing bollards. All other monitoring wells located and in good condition.

Gas Probes: N/A

Gas Vents: N/A

Security Fencing/Gates: All fencing/gates in good condition

Comments/Follow Up Needs: Repair damaged signage.

LF003 – Fall 2025

Northeast edge of east cell, facing northwest. (F1)



Between cells to the north, facing south-southeast. (F2)

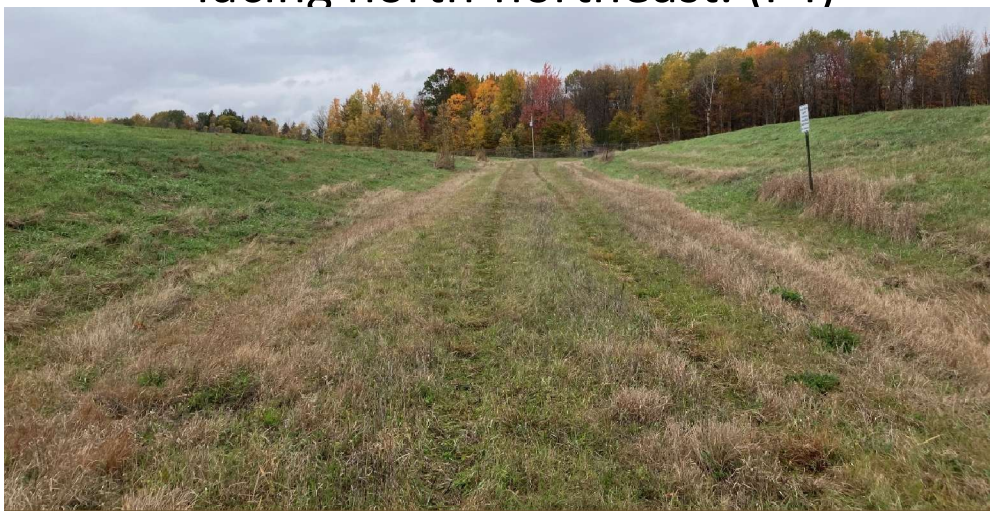


LF003 – Fall 2025

Between cells to the south, facing west. (F3)



Between cells to the south, facing north-northeast. (F4)



LF003 – Fall 2025

South edge of east cell,

facing west. (F5)



LF003 – Fall 2025

Signage post near LF7MW-100 facing north-northeast during inspection. (F6)



Signage post near LF7MW-100 facing north-northeast with new sign on 3 December 2025.(F6)



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LANDFILL: LF007
INSPECTION REPORT

2025

FORMER GRIFFISS AIR FORCE BASE

Type of Inspection: Landfill Inspection Response to Storm Event? No
Date of Inspection: 6/5/25
Personnel Present: G. Wilbert, A. Sinisgalli
Weather Conditions: 73°F, Cloudy
INSPECTION ITEMS COMMENTS/NEED FOR ACTION

Soil Cover Integrity: Soil cover integrity is good

Slopes: Landfill Slopes are Stable

Cover Vegetation: Cover vegetation is present, impedes erosion, landfill has been freshly mowed

Leachate Breakouts: No leachate breakouts observed

Vectors: No vectors created by groundhogs observed

Drainage: Drainage systems are in tact

Institutional Controls: Knocked over sign at the beginning of the path leading to LF5MW-3, all other signage is in tact

Monitoring Wells: All monitoring wells located and in good condition

Gas Probes: All gas probes located and in good condition

Gas Vents: All gas vents located and in good condition

Security Fencing/Gates: Knocked over fence gate at the beginning of the path leading to LF5MW-3, all other fencing/gates in good condition

Comments/Follow Up Needs: Knocked over trees and tall vegetation present on path leading to LF5MW-3 and behind landfill making it inaccessible via vehicle. Knocked over gate/signage is also missing its lock.

LF007 – Spring 2025

On pavement, facing south-southeast toward old gate. (S1)



North edge, facing southeast along road. (S2)



LF007 – Spring 2025

By LF5MW-1A, facing south. (S3)



By LF5MW-1A, facing west. (S4)



LF007 – Spring 2025

By LF5MW-1A, facing northwest. (S5)



East corner, facing southwest. (S6)



LF007 – Spring 2025

Southwest corner, facing northeast. (S7)



Northwest corner, facing south. (S8)

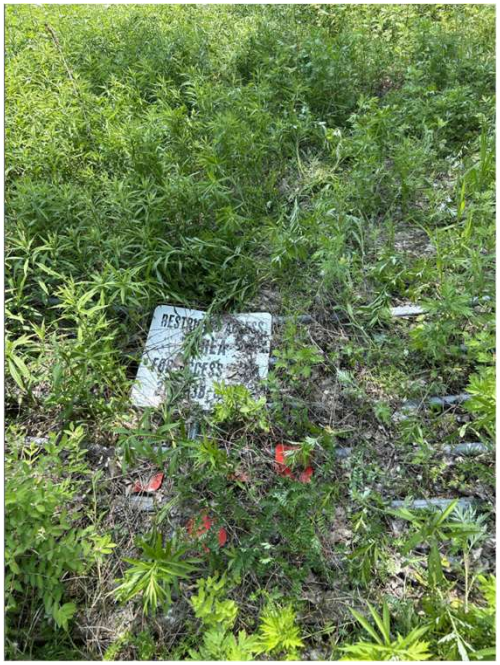


LF007 – Spring 2025

South-southeast facing old gate down at LF007. (S9)



Old gate down at LF007. (S9)



LANDFILL: LF007
INSPECTION REPORT

2025

FORMER GRIFFISS AIR FORCE BASE

Type of Inspection: Landfill inspection Response to Storm Event? No

Date of Inspection: 10/22/25

Personnel Present: Gavin Wilbert, Sara Krohl

Weather Conditions: 52°F, Cloudy

INSPECTION ITEMS COMMENTS/NEED FOR ACTION

Soil Cover Integrity: Soil cover integrity is good.

Slopes: Landfill slopes are stable.

Cover Vegetation: Cover vegetation is present, impedes erosion, landfill has been freshly mowed.

Leachate Breakouts: No leachate breakouts observed.

Vectors: No vectors created by groundhogs observed.

Drainage: Drainage systems are in tact.

Institutional Controls: Knocked over sign at the beginning of the path leading to LF5MW-3. All other signage in tact.

Monitoring Wells: All monitoring wells located and in good condition.

Gas Probes: N/A

Gas Vents: N/A

Security Fencing/Gates: Knocked over fence gate at the beginning of the path leading to LF5MW-3. All other fencing/gates in good condition.

Comments/Follow Up Needs: Knocked over trees/extremely overgrown vegetation present on the path leading to LF5MW-3 making it inaccessible via vehicle. Knocked over gate is missing a lock.

LF007 – Fall 2025

West corner facing northeast (F1)



Northeast corner, facing west-northwest (F2)

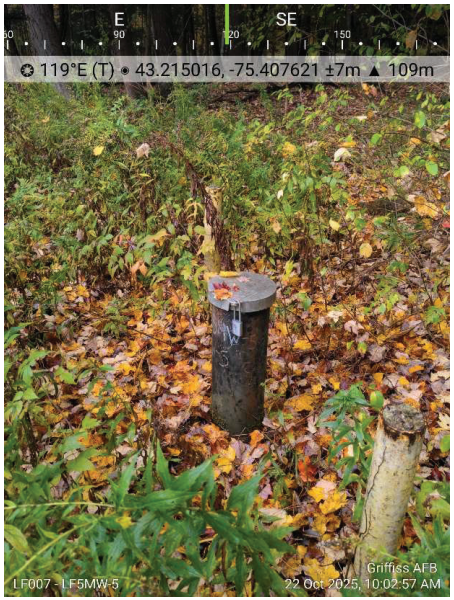


LF007 – Fall 2025

LF5MW-03 facing north (F3)



LF5MW-05 facing southeast (F4)

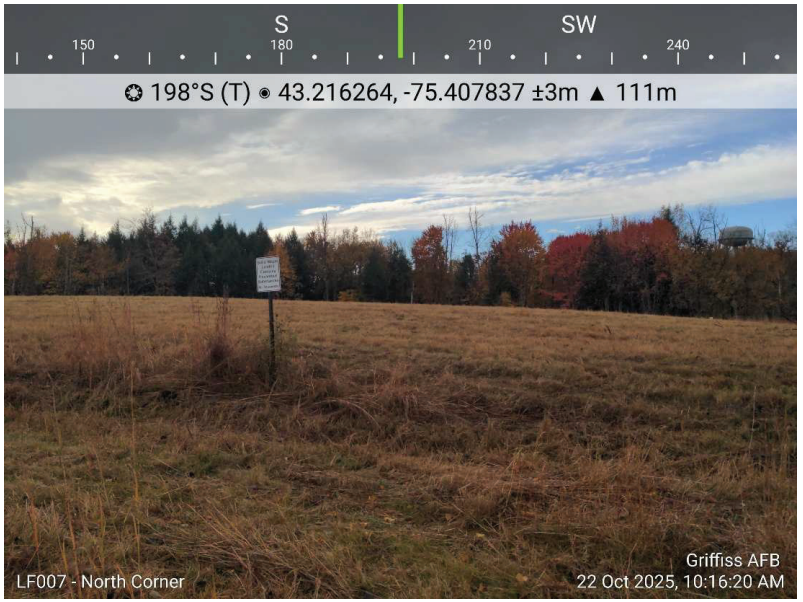


LF007 – Fall 2025

South corner, facing north-northeast (F5)



North corner, facing southwest. (F6)



LF007 – Fall 2025

South-southeast facing old gate down at LF007. (F7)



Old gate down at LF007. (F7)



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LANDFILL: LF009
INSPECTION REPORT

2025

FORMER GRIFFISS AIR FORCE BASE

Type of Inspection: Landfill Inspection Response to Storm Event? No
Date of Inspection: 6/5/25
Personnel Present: G. Wilbert, A. Sinisgalli
Weather Conditions: 75°F, Sunny
INSPECTION ITEMS COMMENTS/NEED FOR ACTION

Soil Cover Integrity: Soil cover integrity is good

Slopes: Landfill slopes are Stable

Cover Vegetation: Cover vegetation is present, impedes erosion

Leachate Breakouts: No leachate breakouts observed

Vectors: No vectors created by groundhogs observed

Drainage: Drainage Systems are intact

Institutional Controls: All Signage in tact

Monitoring Wells: All monitoring wells located and in good condition

Gas Probes: All gas probes located and in good condition

Gas Vents: All gas vents located and in good condition

Security Fencing/Gates: All fencing/gates in good condition

Comments/Follow Up Needs: None

LF009 – Spring 2025

Far east corner,
facing northwest. (S1)



Northwest landfill toe,
facing southwest. (S2)



LF009 – Spring 2025

Facing southwest toward LF9GMP-06 & LF9GV-11. (S3)



Facing southwest, toward LF9GV-09. (S4)



LF009 – Spring 2025

Near LF9GMP-05, facing south-southwest. (S5)



At 775VMW-18R, facing northwest (S6)



LF009 – Spring 2025

Near LF9GMP-02, facing south-southwest. (S7)



Facing northwest, at LF009 toe on southeast of 'amphitheater' (S8)



LF009 – Spring 2025

At landfill toe on southeast of 'amphitheater', facing north. (S9)



LANDFILL: LF009
INSPECTION REPORT

2025

FORMER GRIFFISS AIR FORCE BASE

Type of Inspection: Landfill Inspection Response to Storm Event? No

Date of Inspection: 10/22/25

Personnel Present: Gavin Wilbert, Sara Krohl

Weather Conditions: 47°F, Cloudy

INSPECTION ITEMS COMMENTS/NEED FOR ACTION

Soil Cover Integrity: Soil cover integrity is good.

Slopes: Landfill slopes are stable.

Cover Vegetation: Cover vegetation is present, impedes erosion.

Leachate Breakouts: No leachate breakouts observed.

Vectors: Burrowing present next to VENT-02 and VENT-07.

Drainage: Drainage systems are intact.

Institutional Controls: All signage intact.

Monitoring Wells: TMC-USGS-2 has been run over by a mower/vehicle, LF6MW-39 is missing bollards, LF6IW-03 is missing a well lid, lock, and j-plug. All other monitoring wells located and in good condition.

Gas Probes: GMP-04 has 3 leaning bollards. All other gas probes located and in good condition.

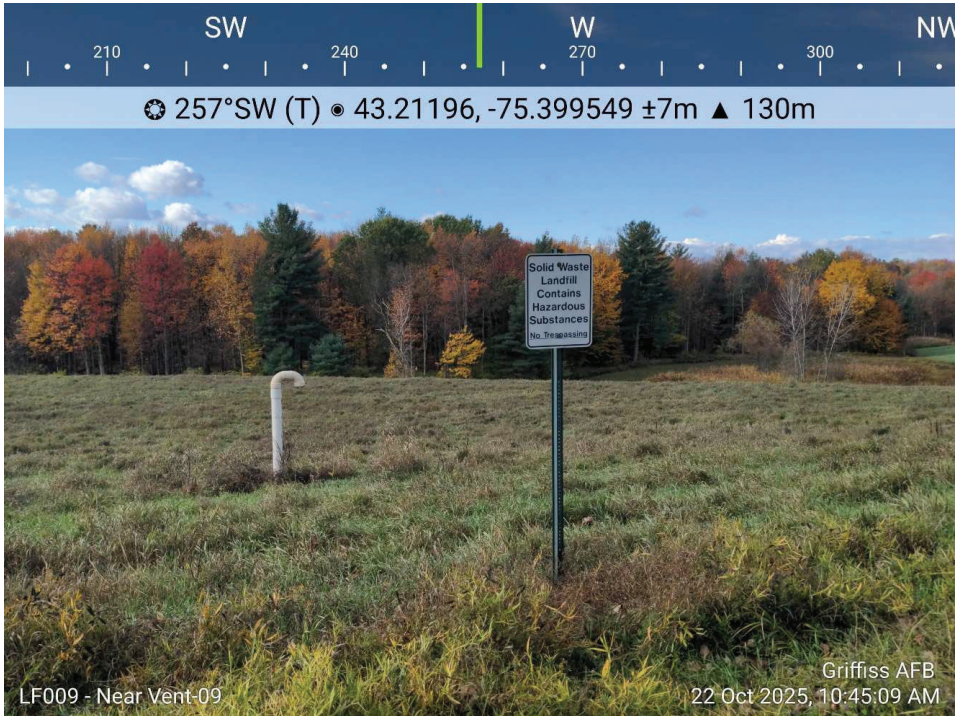
Gas Vents: VENT-04 is missing a mesh screen. All other gas vents located and in good condition.

Security Fencing/Gates: A tree has fallen on the gate located on the eastern portion of the landfill. All other fencing/gates in good condition.

Comments/Follow Up Needs: None.

LF009 – Fall 2025

Near Vent-09, facing west (F1)

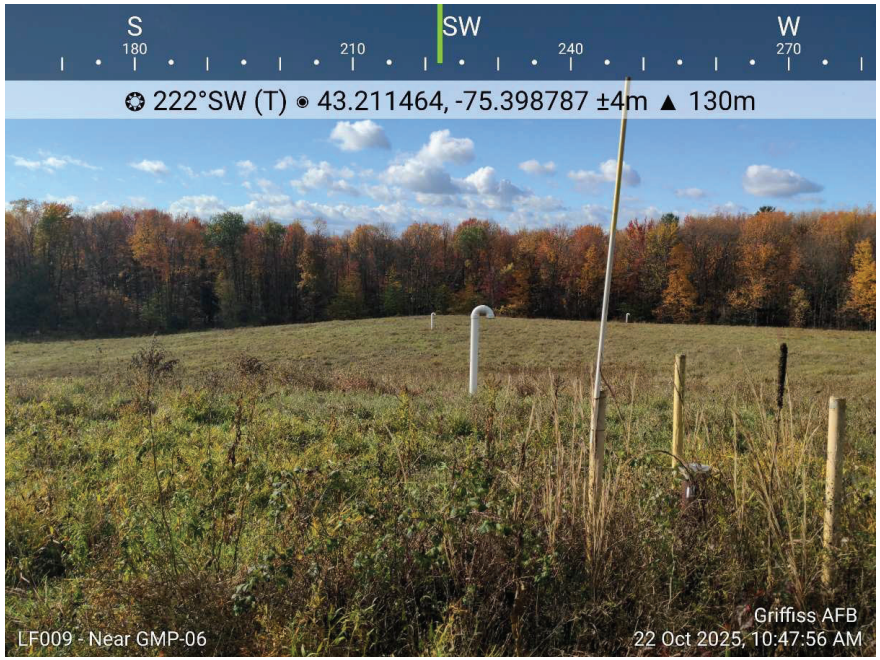


LF9GMP-03, facing south-southeast (F2)

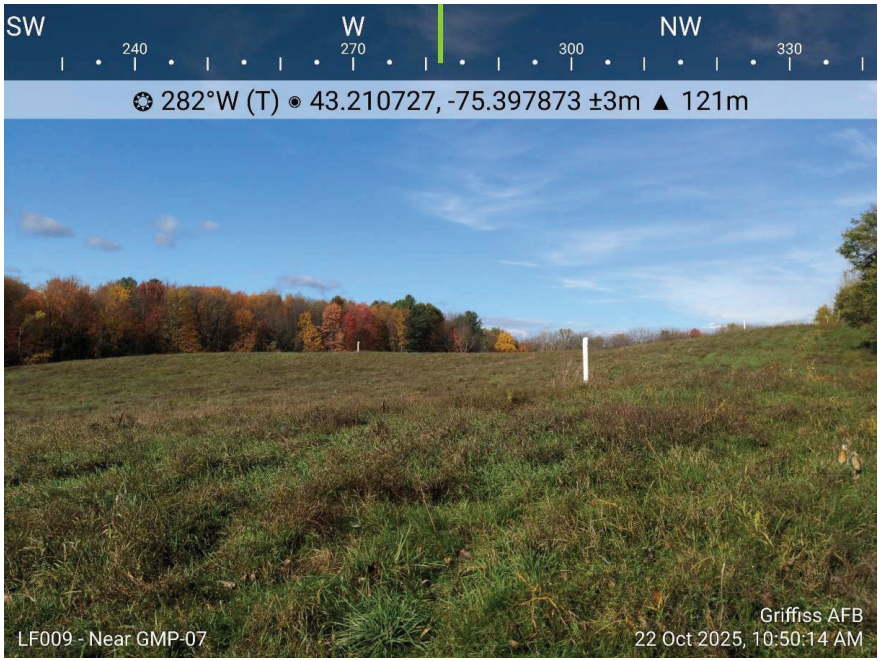


LF009 – Fall 2025

LF9GMP-06, facing southwest (F3)

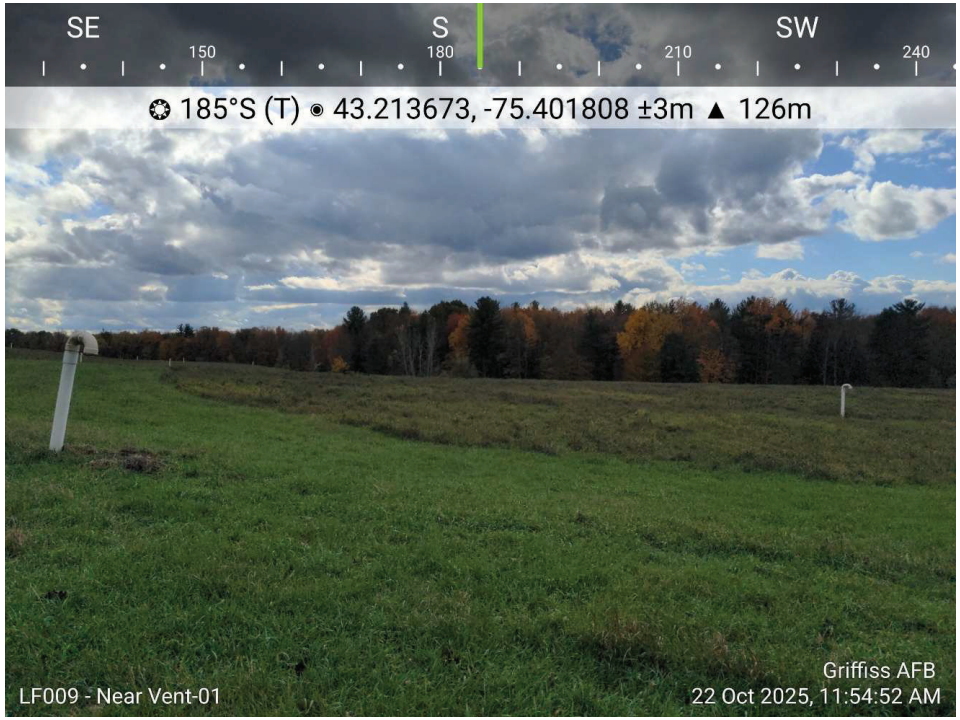


LF9GMP-07, facing west (F4)

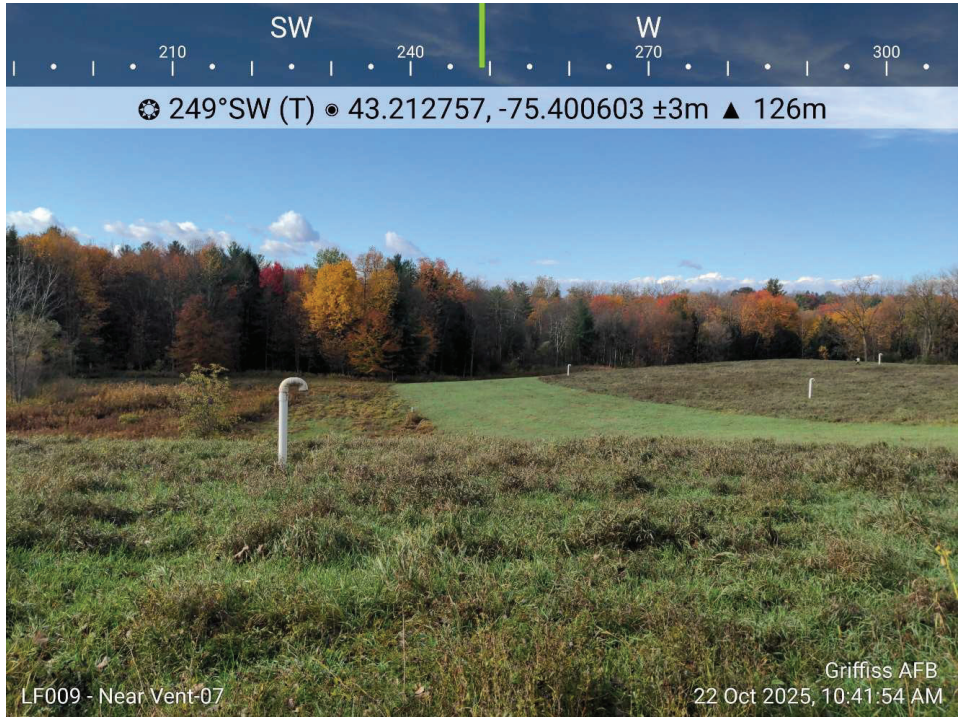


LF009 – Fall 2025

Near Vent-01, facing south (F5)



LF9GV-07, facing west-southwest (F6)

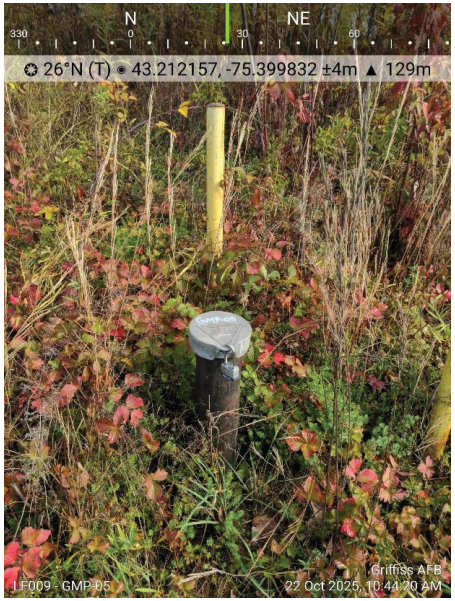


LF009 – Fall 2025

LF9GV-03, facing southeast (F7)



GMP-05, facing north-northeast(F8)



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ATTACHMENT 3 – TABLES

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Table 1
LF001 (Landfill 1 AOC) Landfill Gas Monitoring Results (2022-2025)
Former Griffiss Air Force Base
Rome, New York

	October 2022					September 2023					October 2024					November 2025				
	Barometric Pressure (in.) = 29.99 on 10/6 and 29.89 on 10/15					Barometric Pressure (in.) = 29.36 - 29.42 on 9/19					Barometric Pressure (in.) = 29.50 - 29.60 on 10/10					Barometric Pressure (in.) = 30.19 - 30.2 on 11/19				
Sample Location	Hydrogen Sulfide (ppm)	Methane (%)	Oxygen (%)	Carbon Monoxide (ppm)	VOC (ppm)	Hydrogen Sulfide (ppm)	Methane (%)	Oxygen (%)	Carbon Monoxide (ppm)	LEL (%)	Hydrogen Sulfide (ppm)	Methane (%)	Oxygen (%)	Carbon Monoxide (ppm)	LEL (%)	Hydrogen Sulfide (ppm)	Methane (%)	Oxygen (%)	Carbon Monoxide (ppm)	LEL (%)
LF1GMP-01	0.0	Over	3.3	0	20.7	0	0.0	19.2	0	0	0	13.7	7.3	1	0	0	8.8	10	3	0
LF1GMP-02	0.0	Over	13.9	0	8.7	0	30.8	3.2	13	Over	1	39.5	0.1	1	Over	0	26.5	3.2	0	Over
LF1GMP-03	0.0	Over	1.6	0	1.4	1	42.5	0.8	10	Over	3	41.3	0	1	Over	0	21.2	12.1	12	Over
LF1GMP-04	0.0	Over	1.3	0	2.0	0	0.0	19.2	0.0	0	0	8.6	7.2	1.0	0	2	14.6	1.6	0	0
LF1GMP-06	0.0	Over	10.1	0	0.4	2	62.5	2.8	16	Over	4	74	0.1	0	Over	2	64.7	1.3	0	Over
LF1GMP-08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF1GMP-09	0.0	Over	12.1	0	2.5	0	42.1	1.9	11	Over	0	34.5	0.4	0	Over	0	0.1	10.8	0	0
LF1GMP-10	0.0	Over	1.6	0	2.1	0	15.5	3.1	20	Over	0	16.3	1.5	1	Over	0	6.5	2.5	0	0
LF1GMP-11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF1GMP-12	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF1GMP-13	0.0	0	19.1	0	0.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF1GMP-14	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF1GMP-15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF1GMP-16	0.0	0	19.4	0	0.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF1GMP-17	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF1GMP-18	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF1GMP-19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF1GMP-20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF1GV-01	0.0	Over	13.9	0	0.0	0	0.0	19.3	0	0	0	3.4	14.0	0	0	0	0.1	21.1	0	0
LF1GV-02	0.0	30	17.4	0	0.0	0	0.0	19.4	0	0	0	0.6	15.6	0	0	0	0.1	21.3	0	0
LF1GV-03	0.0	30	18.1	0	0.0	0	0.0	19.4	0	0	0	0.1	16.9	0	0	0	0.1	21.4	0	0
LF1GV-04	0.0	6	16.7	0	0.0	0	0.0	19.5	0	0	0	0.0	17.3	0	0	0	0.2	21.4	0	0
LF1GV-05	0.0	Over	12.6	0	0.0	0	0.0	19.4	0	0	0	3.5	12.2	0	0	0	0	21	0	0
LF1GV-06	0.0	51	10.1	0	0.1	0	0.0	19.2	0	0	0	0.0	15.2	0	0	0	0	21.2	0	0
LF1GV-07	0.0	39	19.6	0	0.0	0	0.0	19.1	0	0	0	3.1	13.6	0	0	0	0	20.8	0	0
LF1GV-08	0.0	Over	17.0	0	0.8	0	0.0	19.3	0	0	0	3.2	14	0	0	0	0.1	21.1	0	0
LF1GV-09	0.0	30	18.3	0	1.0	0	0.0	19.1	0	0	0	2.3	8.8	0	0	0	0	21.2	0	0
LF1GV-10	0.0	Over	15.8	0	0.0	0	0.0	19.4	0	0	0	3.7	4.7	0	0	0	0	21.7	0	0
LF1GV-11	0.0	53	18.1	0	0.6	0	0.0	19.4	0	0	0	6.7	10.6	0	0	0	0	21.6	0	0
LF1GV-12	0.0	0	19.6	0	0.0	0	0.0	19.1	0	0	0	0.0	18.0	0	0	0	0	21.4	0	0
LF1GV-13	0.0	Over	19.3	0	0.2	0	0.0	18.9	0	0	0	5.1	11.1	0	0	0	0	21.7	0	0
LF1GV-14	0.0	61	18.7	0	0.0	0	0.0	19.3	0	0	0	2.0	16.8	0	0	0	0	21.5	0	0
LF1GV-15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF1GV-16	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF1GV-17	0.0	Over	17.2	0	0.0	0	0.0	19.4	0	0	0	12.1	12.9	0	0	0	0	21.9	0	0
LF1GV-18	0.0	46	18.1	0	0.0	0	0.0	19.4	0	0	0	3.6	14.1	0	0	0	0	21.8	0	0
LF1GV-19	0.0	47	17.2	0	0.0	0	0.0	19.5	0	0	0	0.0	21.0	0	0	0	0.1	22.1	0	0
LF1GV-20	0.0	Over	13.0	0	0.1	0	0.0	19.4	0	0	0	0.0	21.5	0	0	0	0.1	22.1	0	0
LF1GV-21	0.0	Over	16.8	0	0.0	0	0.0	19.3	0	0	0	0.0	20.7	0	0	0	0.1	21.9	0	0
LF1GV-22	0.0	Over	16.2	0	0.0	0	0.0	19.3	0	0	0	12.0	9.3	0	0	0	0	22	0	0
LF1GV-23	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	18.2	0	0.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF1GV-25	0.0	4	20.7	0	0.2		0.2	19.0	0	4		0	8.6	0	4	0	0.1	20.7	0	2
LF1GV-26	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF1GV-27	0.0	Over	11.0	0	0.5		0.0	19.1	0	0		0.0	18.8	0	0	0	0	20.8	0	0
LF1GV-28	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF1GV-29	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF1GV-30	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF1GV-31	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Notes:
% = percent
in. = inches
LEL = Lower Explosive Limit
Over = exceeded instrument upper limit
ppm = parts per million
VOC = volatile organic compound
- - = Not Monitored

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Table 2
LF002 (Landfill 2/3 AOC) Landfill Gas Monitoring Results (2022-2025)
Former Griffiss Air Force Base
Rome, New York

Sample Location	October 2022					September 2023					October 2024					November 2025				
	Barometric Pressure (in.) = 29.84					Barometric Pressure (in.) = 29.91					Barometric Pressure (in.) = 29.50 - 29.60					Barometric Pressure (in.) = 30.25				
	Hydrogen Sulfide (ppm)	Methane (%)	Oxygen (%)	Carbon Monoxide (ppm)	VOC (ppm)	Hydrogen Sulfide (ppm)	Methane (%)	Oxygen (%)	Carbon Monoxide (ppm)	LEL (%)	Hydrogen Sulfide (ppm)	Methane (%)	Oxygen (%)	Carbon Monoxide (ppm)	LEL (%)	Hydrogen Sulfide (ppm)	Methane (%)	Oxygen (%)	Carbon Monoxide (ppm)	LEL (%)
LF2GMP-01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF2GMP-02	0.0	8	19.9	0	0.0	0	6.3	6.8	0	Over	0	5.8	6.3	0	Over	0	0.1	14.5	0	--
LF2GMP-03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF2GMP-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF2GMP-05	0.0	0	11.0	0	0.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
[1] LF2GMP-06	0.0	0	18.7	0	0.0	0	0.0	12.1	0	1	--	--	--	--	--	0	0	17.5	0	--
LF2GMP-07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF2GMP-08	0.0	0	20.2	0	0.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF2GMP-09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF2VENT-01	0.0	0	19.2	0	0.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF2VENT-02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF2VENT-03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF2VENT-04	0.0	13	20.1	0	0.1	0	1.8	17.1	0	37	0	0.4	20.3	0	37	0	0.2	20.8	0	--
LF2VENT-05	0.0	12	20.9	0	0.1	0	0.2	19.0	0	4	0	0.7	20.7	0	4	0	3.2	19.7	0	--
LF2VENT-06	0.0	0	20.9	0	0.0	0	0.5	18.9	0	11	0	0.5	20.9	0	11	0	0.8	21.2	0	--
LF2VENT-07	0.0	6	19.9	0	0.0	0	2.5	14.9	0	49	0	0.8	19.6	0	49	0	0	21.8	0	--
LF2VENT-08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF2VENT-09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF2VENT-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF2VENT-11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
[1] LF2VENT-12	0.0	21	17.1	0	0.0	0	0.0	18.6	0	1	--	--	--	--	--	0	0	21.5	0	--
LF2VENT-13	0.0	0	20.3	0	0.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF2VENT-14	0.0	0	20.9	0	0.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Notes:
[1] Results presented for LF2GMP-06 and LF2VENT-12 in 2025 were collected in error. These locations were removed from the monitoring program in the Final 2023 LTM Report following four or more consecutive years of minimal or no LEL detections. Their appearance in the 2025 dataset does not indicate reinstatement.

% = percent
in. = inches
LEL = Lower Explosive Limit
Over = exceeded instrument upper limit
ppm = parts per million
VOC = volatile organic compound
- - = Not Monitored

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Table 3
LF003 (Landfill 7 AOC) 2019 and 2025 Groundwater Sampling Results
Former Griffiss Air Force Base
Rome, New York

	NYSDEC Class GA Groundwater Standards	Groundwater					
Location Identification		**LF7MW-22**	**LF7MW-22**	**LF7MW-26**	**LF7MW-26**	**LF7MW-30**	**LF7MW-30**
Date of Collection		**5/17/2019**	**11/13/2025**	**5/17/2019**	**11/13/2025**	**5/17/2019**	**11/13/2025**
Sample Identification		**LF7MW-22_0519**	**LF7MW-22_1125**	**LF7MW-26_0519**	**LF7MW-26_1125**	**LF7MW-30_0519**	**LF7MW-30_1125**
Lab Package		**280-123981**	**SS7145**	**280-123981**	**SS7145**	**280-123981**	**SS7145**
Leachate Indicators (mg/L)							
Total Phenols	1	**0.2**	**0.008 J**	0.011 UB	**0.0093 J**	0.011 UB	**0.0085 J**
Total Kjeldahl Nitrogen	NV	**0.8 J**	**0.78 J**	0.5 U	0.2 UJ	0.5 U	**0.23 J**

Notes:

Results are compared to the New York Codes, Rules, and Regulations Title 6 Part 703.5 Water Quality Standards for Groundwater, Table 1 (NYSDEC, December 2016) and to the New York State Department of Environmental Conservation Division of Water

NYSDEC = New York State Department of Environmental Conservation

GA - New York State Classification: Groundwater Class A

µg/L - micrograms per Liter

mg/L - milligrams per Liter

PO_4 - phosphate

U = not detected, value presented is the limit of detection

J = Indicates a result greater than or equal to the Detection Limit, but less than Limit of Quantitation

UJ = The analyte was analyzed for, but was not

NV = No value

Bold values are detected results.

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Table 4

LF007 (Landfill 5 AOC) 2019 and 2025 Groundwater and Surface Water Sampling Results

Former Griffiss Air Force Base

Rome, New York

			Groundwater									
Location Identification	**NYSDEC Ambient Water Quality Standards (surface water)**	**NYSDEC Class GA Groundwater Standards**	**LF5MW-3**	**LF5MW-3**	**LF5MW-3**	**LF5MW-5**	**LF5MW-5**	**LF5MW-5**	**LF5MW-100R**	**LF5MW-100R**	**MW49D07**	**MW49D07**
Date of Collection			**5/14/2019**	**11/18/2025**	**11/18/2025**	**5/14/2019**	**5/14/2019**	**11/18/2025**	**5/15/2019**	**11/18/2025**	**5/15/2019**	**11/18/2025**
Sample Identification			**LF5MW-3_0519**	**LF5MW-3_1125**	**LF5MW-3_1125-A**	**LF5MW-5_0519**	**LF5MW-5_0519-a**	**LF5MW-5_1125**	**LF5MW-100R_0519**	**LF5MW-100R_1125**	**MW49D07_0519**	**LF49D07_1125**
Lab Package			**280-123814**	**SS7145**	**SS7145**	**280-123814**	**280-123814**	**SS7145**	**280-123814**	**SS7145**	**280-123814**	**SS7145**
Leachate Indicators (mg/L)												
Total Phenols	1	1	0.02 U	**0.010 J**	**0.0094 J**	**0.0078 J**	**0.0092 J**	**0.008 J**	**0.0071 J**	**0.008 J**	**0.015 J**	**0.0088 J**
Total Kjeldahl Nitrogen	NV	NV	0.5 U	**1.1 J**	**0.97 J**	0.5 U	0.5 U	**1.5 J**	**20**	**32 J**	0.5 UJ	**0.15 J**

Notes:

Results are compared to the New York Codes, Rules, and Regulations Title 6 Part 703.5 Water Quality Standards Surface Waters and Groundwater, Table 1 (NYSDEC, December 2016) and to the New York State Department of Environmental Conservation Division of Water Technical and Operational Guidance Series (1.1.1) Ambient Water Quality Standards and Guidance Values (NYSDEC, June 1998)

NYSDEC = New York State Department of Environmental Conservation

GA - New York State Classification: Groundwater Class A

µg/L - micrograms per Liter

mg/L - milligrams per Liter

PO_4 - phosphate

-A = Field duplicate

U = not detected, value presented is the limit of detection

J = Indicates a result greater than or equal to the Detection Limit, but less than Limit of Quantitation

UJ = The analyte was analyzed for, but was not detected at a level greater than or equal to the SQL. The sample quantitation limit is an estimated quantity

* = A guidance value of 500 mg/L is referenced for TDS in Class GA surface water (TOGS 1.1.1). No numeric criteria are provided for surface water; concentrations are assessed relative to background and narrative standards.

NV = No value

Bold values are detected results.

Table 4

LF007 (Landfill 5 AOC) 2019 and 2025 Groundwater and Surface Water Sampling Results

Former Griffiss Air Force Base

Rome, New York

			Surface Water					
Location Identification	**NYSDEC Ambient Water Quality Standards (surface water)**	**NYSDEC Class GA Groundwater Standards**	**LF5SW-1**	**LF5SW-1**	**LF5SW-2**	**LF5SW-2**	**LF5SW-3**	**LF5SW-3**
Date of Collection			**5/15/2019**	**11/18/2025**	**5/15/2019**	**11/18/2025**	**5/15/2019**	**11/18/2025**
Sample Identification			**LF5SW-1_0519**	**LF5SW-1_1125**	**LF5SW-2_0519**	**LF5SW-2_1125**	**LF5SW-3_0519**	**LF5SW-3_1125**
Lab Package			**280-123855**	**SS7145**	**280-123855**	**SS7145**	**280-123855**	**SS7145**
Leachate Indicators (mg/L)								
Total Phenols	1	1	**0.0068 J**	**0.0086 J**	**0.0092 J**	**0.0090 J**	0.02 U	**0.0091 J**
Total Kjeldahl Nitrogen	NV	NV	0.5 U	**0.18 J**	0.5 U	**0.47 J**	0.5 U	**0.67 J**

Notes:

Results are compared to the New York Codes, Rules, and Regulations Title 6 Part 703.5 Water Quality Standards Surface Waters and Groundwater, Table 1 (NYSDEC, December 2016) and to the New York State Department of Environmental Conservation Division of Water Technical and Operational Guidance Series (1.1.1) Ambient Water Quality Standards and Guidance Values (NYSDEC, June 1998)

NYSDEC = New York State Department of Environmental Conservation

GA - New York State Classification: Groundwater Class A

µg/L - micrograms per Liter

mg/L - milligrams per Liter

PO_4 - phosphate

-A = Field duplicate

U = not detected, value presented is the limit of detection

J = Indicates a result greater than or equal to the Detection Limit, but less than Limit of Quantitation

UJ = The analyte was analyzed for, but was not detected at a level greater than or equal to the SQL. The sample quantitation limit is an estimated quantity

* = A guidance value of 500 mg/L is referenced for TDS in Class GA surface water (TOGS 1.1.1). No numeric criteria are provided for surface water; concentrations are assessed relative to background and narrative standards.

NV = No value

Bold values are detected results.

Table 5
LF009 (Landfill 6 AOC) Landfill Gas Monitoring Results (2022-2025)
Former Griffiss Air Force Base
Rome, New York

Sample Location	October 2022					September 2023					October 2024					November 2025				
	Barometric Pressure (in.) = 29.89					Barometric Pressure (in.) = 29.59					Barometric Pressure (in.) = 29.36 - 29.69					Barometric Pressure (in.) = 30.25				
	Hydrogen Sulfide (ppm)	Methane (%)	Oxygen (%)	Carbon Monoxide (ppm)	VOC (ppm)	Hydrogen Sulfide (ppm)	Methane (%)	Oxygen (%)	Carbon Monoxide (ppm)	LEL (%)	Hydrogen Sulfide (ppm)	Methane (%)	Oxygen (%)	Carbon Monoxide (ppm)	LEL (%)	Hydrogen Sulfide (ppm)	Methane (%)	Oxygen (%)	Carbon Monoxide (ppm)	LEL (%)
LF6GMP-01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6GMP-02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6GMP-03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6GMP-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6GMP-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6GMP-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6GMP-07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6GMP-08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6GMP-09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6GMP-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6GMP-11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6GMP-12	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6GMP-13	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6GMP-14	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6GMP-15S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6GMP-15D	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6GMP-16S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6GMP-16D	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6GMP-17S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6GMP-17D	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6VENT-01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6VENT-02	0	0	20.9	0	0	0	0.0	19.5	0	0	0	0.0	21.1	0	0	0	0.1	21.5	0	2
LF6VENT-03	--	--	--	--	--	0	0.0	19.5	0	0	0	0.0	20.8	0	0	0	0.1	21.7	0	2
LF6VENT-04	0	0	20.9	0	0	0	0.0	19.6	0	0	0	0.0	20.4	0	0	0	0.1	21.6	0	2
LF6VENT-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
[1] LF6VENT-06	0	0	20.9	0	0	0	0.0	19.6	0	0	--	--	--	--	--	0	0.1	21.5	0	2
LF6VENT-07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6VENT-08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6VENT-09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6VENT-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6VENT-11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6VENT-12	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6VENT-13	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6VENT-14	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6VENT-15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6VENT-16	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Notes:

[1] The 2025 result for LF6VENT-06 was obtained from a sample that was mistakenly collected. This location was formally removed from the monitoring program in the Final 2023 Long -Term Monitoring Report after meeting the removal criterion of four or more consecutive years of minimal or no LEL detections. Its appearance in the 2025 dataset does not indicate reinstatement.

- - = Not Monitored
% = percent
in. = inches
LEL = Lower Explosive Limit
ppm = parts per million
VOC = volatile organic compound

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ATTACHMENT 4 – LANDFILL RESAMPLE FIELD FORMS

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WELL PURGING & SAMPLING FORM

Project: Griffiss Former AFB Sampled by: GW + AS

Location and Site Code (**SITEID**): LF007

Well No. (**LOCID**): LF5MW-5 Well Diameter (**SDIAM**): ~~2~~ 2in GW

Date (**LOGDATE**): 11/18/25 Weather: 36°F, mostly cloudy

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (**TOTDEPTH**) _____ ft. (optional)

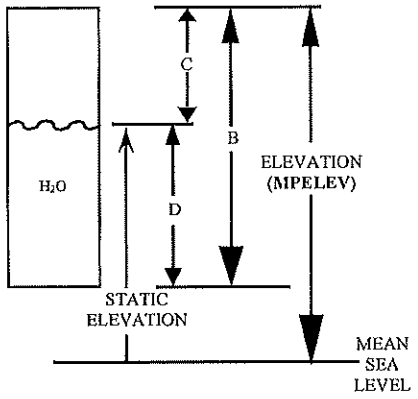
Measured Water Level Depth (C) (**STATDEP**) 4.58 ft.

Length of Static Water Column (D) = (B) _____ - (C) _____ = (D) _____ ft. (optional)

Pump Intake Depth (ft): _____

Depth during Purging/Sampling: _____ ft (provide range)

Comments (re: Depth during purging/sampling): None



Purge Date and Method: 11/18/25 dedicated bladder pump

Physical Appearance/Comments: ~~Grey~~ Water is orange in color ~~for about 1 minute~~ GW ~~Clear after purging~~

PID reading: 0.0

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (°F or °C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1106	5.20	6.3	0.055	10.37	40.08	6.0	197.0	200
1111	5.61	6.4	0.050	10.05	35.46	5.9	204.6	200
1116	6.32	6.4	0.050	9.96	36.70	5.7	208.4	↓
1121	6.88	6.4	0.050	9.92	36.64	5.4	212.0	
1126	7.73	6.4	0.050	9.90	39.13	5.4	218.0	
1131	7.89	6.4	0.049	9.90	38.29	5.4	220.8	

Sample Time: 1135 Sample ID: LF5MW-5_1125

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM

Project: Griffiss Former AFB Sampled by: GW + AS

Location and Site Code (**SITEID**): LF007

Well No. (**LOCID**): LF5MW-3 Well Diameter (**SDIAM**): 6.0 in

Date (**LOGDATE**): 11/18/25 Weather: 39°F, Cloudy

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (**TOTDEPTH**) _____ ft. (optional)

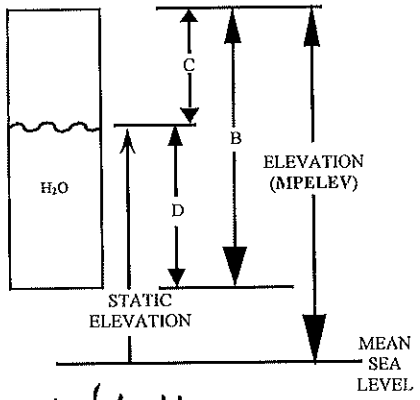
Measured Water Level Depth (C) (**STATDEP**) 6.03 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): _____

Depth during Purging/Sampling: _____ ft (provide range)

Comments (re: Depth during purging/sampling): _____



Purge Date and Method: 11/18/25, dedicated bladder pump

Physical Appearance/Comments: None

PID reading: 0.0

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (°F or °C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1209	6.24	7.0	1.107	9.80	11.19	6.5	188.3	150
1214	6.65	7.1	1.317	10.44	4.81	4.9	181.9	↓
1219	6.83	7.1	1.330	10.50	1.81	4.3	176.6	
1224	7.06	7.1	1.353	10.56	2.20	4.1	174.2	
1229	7.31	7.1	1.384	10.68	4.09	4.1	168.8	
1234	7.51	7.0	1.352	10.73	8.34	4.1	160.9	↓
1239	7.46	7.0	1.328	10.73	7.82	4.1	159.2	

Sample Time: 1242 Sample ID: LF5MW-3_1125

1247 LF5MW-3_1125-1A

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM

Project: Griffiss Former AFB Sampled by: GW + AS

Location and Site Code (**SITEID**): LF007

Well No. (**LOCID**): LFSSW-3 Well Diameter (**SDIAM**): —

Date (**LOGDATE**): 11/18/25 Weather: 39°F, Cloudy

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (**TOTDEPTH**) — ft. (optional)

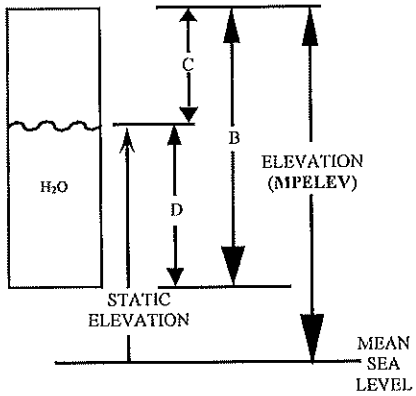
Measured Water Level Depth (C) (**STATDEP**) — ft.

Length of Static Water Column (D) = — (B) - — (C) = — (D) ft. (optional)

Pump Intake Depth (ft): —

Depth during Purging/Sampling: — (provide range) ft

Comments (re: Depth during purging/sampling): Surface water



Purge Date and Method: 11/18/25

Physical Appearance/Comments: Surface water

PID reading: —

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (°F or (°C))	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1323	—	7.8	0.706	6.2	11.06	11.[illegible]	112.2	—

Sample Time: 1325 Sample ID: LFSSW-3_1125

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM

Project: Griffiss Former AFB Sampled by: GW + MS

Location and Site Code (**SITEID**): LF007

Well No. (**LOCID**): LFSSW-2 Well Diameter (**SDIAM**): —

Date (**LOGDATE**): 11/18/25 Weather: 39°F, cloudy

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (**TOTDEPTH**) — ft. (optional)

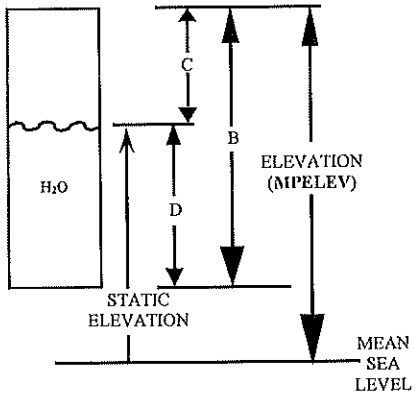
Measured Water Level Depth (C) (**STATDEP**) — ft.

Length of Static Water Column (D) = — (B) - — (C) = — (D) ft. (optional)

Pump Intake Depth (ft): —

Depth during Purging/Sampling: — ft (provide range)

Comments (re: Depth during purging/sampling): Surface water



Purge Date and Method: 11/18/25

Physical Appearance/Comments: Surface water

PID reading: —

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (°F or (°C))	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1314	—	7.7	0.591	6.24	11.14	10.9	70.4	—

Sample Time: 1316 Sample ID: LFSSW-2-1125

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM

Project: Griffiss former AFB Sampled by: GW + AS

Location and Site Code (**SITEID**): LF007

Well No. (**LOCID**): LF5SW-1 Well Diameter (**SDIAM**): —

Date (**LOGDATE**): 11/18/25 Weather: 39°F, Cloudy

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (**TOTDEPTH**) — ft. (optional)

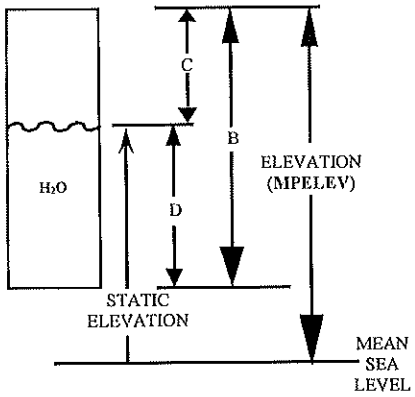
Measured Water Level Depth (C) (**STATDEP**) — ft.

Length of Static Water Column (D) = — (B) - — (C) = — (D) ft. (optional)

Pump Intake Depth (ft): —

Depth during Purging/Sampling: — ft (provide range)

Comments (re: Depth during purging/sampling): Surface water



Purge Date and Method: 11/18/25

Physical Appearance/Comments: Surface water

PID reading: —

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (°F or °C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1305	—	7.9	0.604	4.06	9.45	10.8	75.5	—

Sample Time: 1306 Sample ID: LF5SW-1-1125

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM

Project: Griffiss former AFB Sampled by: GW + AS

Location and Site Code (SITEID): LF007

Well No. (LOCID): LF5MW-100B Well Diameter (SDIAM): 6.0 in

Date (LOGDATE): 11/18/25 Weather: 40°F, cloudy

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) 70.23 ft. (optional)

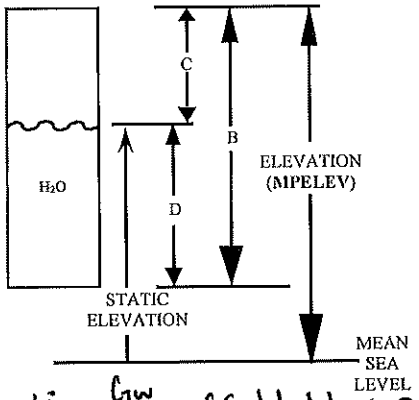
Measured Water Level Depth (C) (STATDEP) 8.82 ft.

Length of Static Water Column (D) = 70.23 (B) - 8.82 (C) = 61.41 (D) ft. (optional)

Pump Intake Depth (ft): 60

Depth during Purging/Sampling: 55 - 65 ft (provide range)

Comments (re: Depth during purging/sampling): None



Purge Date and Method: 11/18/25, peristaltic GW pump off bladder pump

Physical Appearance/Comments: None

PID reading: 0.0

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (°F or °C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1510	9.60	10.4	9.222	10.04	95.62	0.8	49.7	200
1515	11.64	10.6	7.624	9.97	835.0	0.3	44.5	
1520	12.46	10.6	7.681	10.02	629.3	0.5	42.9	
1525	13.44	10.7	7.663	10.00	614.5	0.8	40.8	
1530	14.66	10.7	6.812	9.98	560.4	1.2	38.4	
1535	15.91	10.7	7.087	9.93	275.8	1.3	37.5	
1540	17.07	10.7	7.087	9.88	178.4	1.5	34.4	
1545	18.44	10.7	7.087	9.86	177.0	1.4	32.5	
1550	19.53	10.7	7.087	9.82	173.0	1.4	31.3	

Sample Time: 1555 Sample ID: LF5MW-100B_1125

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM

Project: Griffiss Former AFB Sampled by: GW + AS

Location and Site Code (**SITEID**): LF007

Well No. (**LOCID**): MW49D07 Well Diameter (**SDIAM**): 4.0 in

Date (**LOGDATE**): 11/19/25 Weather: 29°F, Cloudy

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (**TOTDEPTH**) 17.40 ft. (optional)

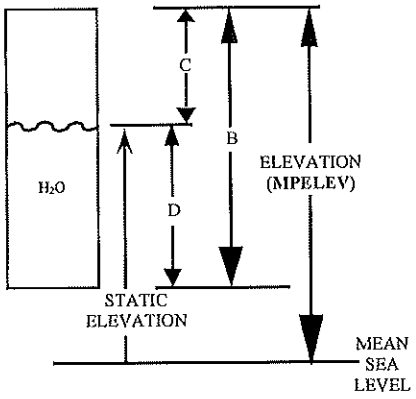
Measured Water Level Depth (C) (**STATDEP**) 3.88 ft.

Length of Static Water Column (D) = 17.40 (B) - 3.88 (C) = 13.52 (D) ft. (optional)

Pump Intake Depth (ft): 10

Depth during Purging/Sampling: 7-17 (provide range) ft

Comments (re: Depth during purging/sampling): None



Purge Date and Method: 11/19/25, peristaltic pump

Physical Appearance/Comments: Orange in color, Flow rate decreased below 200 due to excessive drawdown

PID reading: 0.0

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (°F or °C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
0906	4.64	7.4	0.883	10.25	682.4	2.6	7.4	200
0911	5.41	7.4	0.884	10.10	620.7	2.8	36.6	200
0916	5.77	7.4	0.887	10.07	434.3	1.8	0.4	150
0921	6.02	7.4	0.883	10.07	400.9	1.8	-7.5	
0926	6.12	7.4	0.875	10.03	389.1	1.5	-9.4	
0931	6.21	7.4	0.876	10.03	380.3	1.4	-12.8	

Sample Time: 0934 Sample ID: MW49D07_1125

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM

Project: Griffiss Former AFB Sampled by: GW + AS

Location and Site Code (SITEID): LF003

Well No. (LOCID): LF7MW-30 Well Diameter (SDIAM): 6.0 in

Date (LOGDATE): 11/19/25 Weather: 34°F, cloudy

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) _____ ft. (optional)

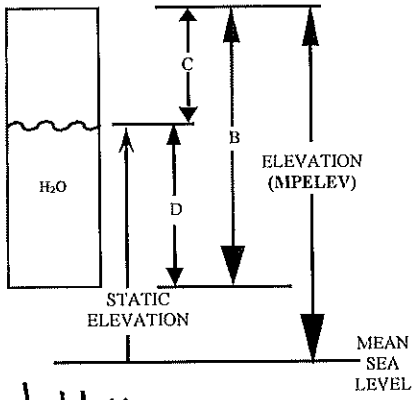
Measured Water Level Depth (C) (STATDEP) 3.92 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): _____

Depth during Purging/Sampling: _____ ft (provide range)

Comments (re: Depth during purging/sampling): _____



Purge Date and Method: 11/19/25, dedicated bladder pump

Physical Appearance/Comments: None

PID reading: 0.0

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (°F or °C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1021	3.91	7.2	0.726	9.74	10.79	2.2	112.1	200
1026		7.1	0.706	9.94	9.10	1.7	124.5	
1031		7.1	0.694	9.69	12.09	1.2	133.2	
1036		7.1	0.693	9.62	6.79	1.2	140.6	
1041		7.1	0.691	9.49	4.06	1.1	145.5	
1046		7.1	0.690	9.49	2.81	1.1	148.6	

Sample Time: 1050 Sample ID: LF7MW-30_1125

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM

Project: Griffiss Former AFB Sampled by: GW + AS

Location and Site Code (**SITEID**): LF003

Well No. (**LOCID**): LF7MW-26 Well Diameter (**SDIAM**): 6.0 in

Date (**LOGDATE**): 11/19/25 Weather: 36°F mostly sunny

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (**TOTDEPTH**) ~~13.5~~ 17.10 GW ft. (optional)

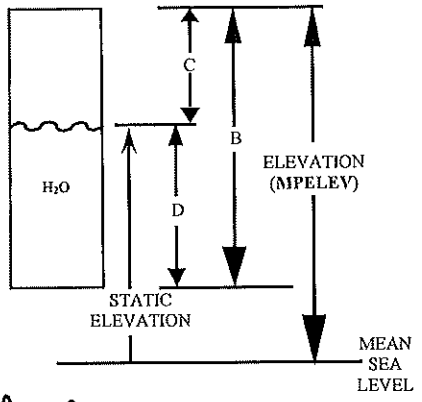
Measured Water Level Depth (C) (**STATDEP**) 13.51 ft.

Length of Static Water Column (D) = 17.10 (B) - 13.51 (C) = 3.59 (D) ft. (optional)

Pump Intake Depth (ft): ~~DE~~ GW 15

Depth during Purging/Sampling: 7 - 17 ft (provide range)

Comments (re: Depth during purging/sampling): None



Purge Date and Method: 11/19/25, peristaltic pump

Physical Appearance/Comments: Obstruction @ 8.46 ft, metal casing possibly bent

PID reading: 0.0

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (°F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1113	13.57	7.3	0.539	12.01	5.06	6.0	147.0	200
1118	↓	7.1	0.605	12.09	5.96	4.1	152.8	↓
1123		7.1	0.628	12.24	5.17	3.3	152.3	
1128		7.1	0.624	12.26	2.83	3.3	154.0	
1133		7.1	0.624	12.36	0.87	3.2	155.0	
	↓							↓

Sample Time: 1136 Sample ID: LF7MW-26_1125

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM

Project: Griffiss Former AFB Sampled by: GW+AS

Location and Site Code (SITEID): LF003

Well No. (LOCID): LF7MW-22 Well Diameter (SDIAM): 6.0 in

Date (LOGDATE): 11/19/25 Weather: 37°F, partly cloudy

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) 11.25 ft. (optional)

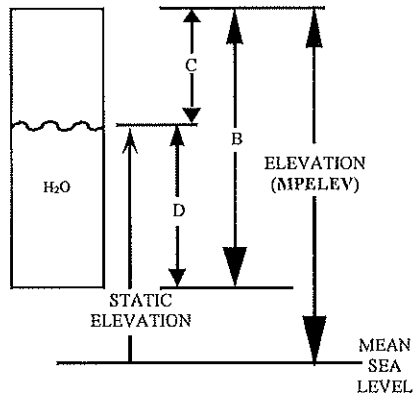
Measured Water Level Depth (C) (STATDEP) 1.35 ft.

Length of Static Water Column (D) = 11.25 (B) - 1.35 (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 10 ft

Depth during Purging/Sampling: Grundfos 1 - 11 ft (provide range)

Comments (re: Depth during purging/sampling): None



Purge Date and Method: 11/19/25, peristaltic pump

Physical Appearance/Comments: yellow/brown in color

PID reading: 0.0

FIELD MEASUREMENTS:

Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (°F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
1203	1.39	6.9	0.808	11.49	184.3	3.3	47.4	200
1208	1.49	7.0	0.911	12.23	206.3	1.1	16.0	
1213		7.0	0.895	12.56	105.3	1.0	1.9	
1218		7.0	0.889	12.64	81.12	0.9	-2.9	
1223		7.0	0.908	12.20	54.01	0.6	-10.0	
1228		7.0	0.918	11.95	38.11	0.3	-16.9	
1233		7.0	0.907	11.72	22.05	0.4	-23.7	
1238		7.0	0.912	12.32	13.04	0.4	-28.5	
1243		7.0	0.900	12.59	10.20	0.5	-34.6	
1248		7.0	0.903	12.66	6.41	0.4	-39.0	
1253		7.0	0.901	12.83	5.62	0.4	-44.0	

Sample Time: 1255 Sample ID: LF7MW-22_1125

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

ATTACHMENT 5 – LABORATARY AND DATA VALIDATION REPORTS

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SGS NORTH AMERICA- ORLANDO, FL

GRIFFISS AFB; ROME, NY

SS7145

Jennifer Prescott
207-874-2400

SGS NORTH AMERICA, INC.
600 TECHNOLOGY WAY
SCARBOROUGH, ME 04074

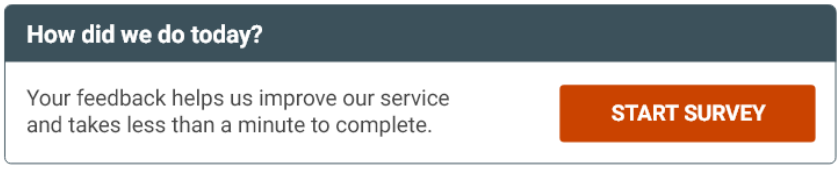


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SAMPLE DATA PACKAGE

NARRATIVE
SGS NORTH AMERICA, INC. -SCARBOROUGH
SGS NORTH AMERICA- ORLANDO, FL
GRIFFISS AFB; ROME, NY
SS7145

Sample Receipt

The following samples were received on December 1, 2025 and were logged in under SGS-Scarborough work order number SS7145 for a hardcopy due date of December 04, 2025.

SGS - SCARBOROUGH	SGS NORTH AMERICA - ORLANDO
Sample No.	Sample Identification
SS7145-1	LF5MW-3_1125
SS7145-2	LF5MW-3_1125-A
SS7145-3	MW49D07_1125
SS7145-4	LF5MW-5_1125
SS7145-5	LF5MW-100R_1125
SS7145-6	LF5SW-1_1125
SS7145-7	LF5SW-2_1125
SS7145-8	LF5SW-3_1125
SS7145-9	LF7MW-22_1125
SS7145-10	LF7MW-26_1125
SS7145-11	LF7MW-30_1125

The samples were logged in for the analyses specified on the chain of custody form. All problems encountered and resolved during sample receipt have been documented on the applicable chain of custody forms.

We certify that the test results provided in this report meet all the requirements of the NELAP standards unless otherwise noted in this narrative or in the Report of Analysis.

We certify that the test results provided in this report are accredited under the laboratory's ISO/IEC 17025:2017 and DoD-ELAP accreditation issued by the ANSI-ASQ National Accreditation Board. Refer to certificate and scope of accreditation L2223.

Analytes which are reported but not listed on our ANAB scope of accreditation will be "^" flagged and the following language will be included in the case narrative for all DoD compliant work: "^" Indicates this analyte is not included on SGS North America Scarborough's DoD-ELAP Scope of Accreditation.

Sample analyses have been performed by the methods as noted herein.

Should you have any questions or comments concerning this Report of Analysis, please do not hesitate to contact your SGS - Scarborough Project Manager, **Heather Manz**. This narrative is an integral part of the Report of Analysis.

Sample Receipt

The cooler for work order SS7145 was delayed in shipping and arrived at the lab on December 01, 2025 out of temp at 6.7 deg Celsius. The client was contacted and instructed the lab to proceed with analysis.

Wet Chemistry Analysis

The samples of work order SS7145 were analyzed in accordance with the specific methods listed on the Report of Analysis.

Analyses for total recoverable phenolics and total kjeldahl nitrogen were performed according to "Methods for Chemical Analysis of Water and Wastes", EPA 600/4-79-020, 1979 Revised 1983, U.S. EPA.

All Wet Chemistry results were evaluated to the lab's Method Detection Limits (MDL). Measured concentrations that fall between the MDL and the Limit of Quantitation (LOQ) are flagged "J". Measured concentrations that are below the MDL are flagged "U" and reported as "U LOD", where "LOD" is the numerical value of the Limit of Detection.

All analyses were performed within analytical holding times. All quality control criteria were met with the following exceptions:

The total kjeldahl nitrogen matrix spike WG380908-5 on sample SS7145-1 had a high recovery that was outside of the acceptance limits.

The total kjeldahl nitrogen matrix spike WG380908-6 on sample SS7145-2 had a high recovery that was outside of the acceptance limits.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Quality Assurance Officer, or their designee, as verified by the following signature.



12/12/2025

Jennifer Prescott
Quality Assurance Officer

SGS NORTH AMERICA, INC. - SCARBOROUGH

Manual Integration Codes For GC/MS, GC, HPLC and/or IC

M1	Peak splitting.
M2	Well defined peaks on the shoulders of the other peaks.
M3	There is additional area due to a coeluting interferant.
M4	There are negative spikes in the baseline.
M5	There are rising or falling baselines.
M6	The software has failed to detect a peak or misidentified a peak.
M7	Excessive peak tailing.
M8	Analysis such as GRO, DRO and TPH require a baseline hold.
M9	Peak was not completely integrated as in GC/MS.
M10	Primary ion was correctly integrated, but secondary or tertiary ion needed manual integration as in GC/MS.
M11	For GC analysis, when a sample is diluted by 1:10 or more, the surrogate is set to undetected and then the area under the surrogate is manually integrated.

SGS North America, Inc. - SCARBOROUGH — Sample Receipt Condition Report

Client: SGS	SGS PM: HHM	Sampled By: Client
Project:	KIMS Entry By: ETP	Delivered By: Fedex
Work Order#: SS 7145, 557146	KIMS Review By: HHM	Airbill #: 461950144953
	Labeled By: CD	Received By: PuR
SDG #:	Cooler: 1 of 21	Date/Time Rec.: 12/01/25 1030

Receipt Criteria	Y	N	EX*	NA	Comments and/or Resolution
1. Custody seals present / intact?	✓				
2. Chain of Custody present in cooler?	✓				
3. Chain of Custody signed by client?	✓				
4. Chain of Custody matches samples?		✓			-9, -10, -11 Bottles say LF7MW
5. Temperature Blanks present? If not, take temperature of any sample w/ IR gun.	✓				Temp (°C): 6.7 — Thermometer ID: IR-1
Samples received at <6 °C w/o freezing?		✓			Note: Not required for metals (except Hg [mercury] soil) analysis.
Ice packs or ice present?	✓				The lack of ice or ice packs (i.e. no attempt to begin cooling process) or insufficient ice may not meet certain regulatory requirements and may invalidate certain data.
If yes, was there sufficient ice to meet temperature requirements?					
If temp. out, has the cooling process begun (i.e. ice or packs present) and sample collection times <6hrs., but samples are not yet cool?					Note: No cooling process required for metals (except Hg [mercury] soil) analysis.
6. Volatiles:					
Aqueous: No bubble larger than a pea?				✓	
Soil/Sediment:					
Received in airtight container?				✓	
Received in methanol?				✓	
Methanol covering soil?				✓	
D.I. Water - Received within 48 hour HT?				✓	
7. Trip Blank present in cooler?				✓	
8. Proper sample containers and volume?	✓				
9. Samples within hold time upon receipt?	✓				
10. Aqueous samples properly preserved?					
Metals, COD, NH3, TKN, phenol, TPO4, N+N, TOC, DRO, TPH – pH <2	✓				
Sulfide - >9, no headspace				✓	
Cyanide – pH >12				✓	
11. pH adjusted? Y / N Reagent used:	Reagent Lot#				Samples adjusted:

* Log-In Notes to Exceptions: document any problems with samples or discrepancies.

SS7145

CHAIN OF CUSTODY

"SGS North America Inc. - Orlando
4405 Vineland Road, Suite C-15 Orlando, Fl 32811
TEL. 407-425-6700 FAX: 407-425-0707
www.sgs.com/ehsusa"

FED-EX Tracking # 4169501449 53 | Bottle Order Control #

SGS Quote # | SGS Job # FC29585X

Client / Reporting Information

Company Name: SGS North America Inc.

Street Address: 4405 Vineland Rd, Suite C-15

City: Orlando State: FL Zip: 32811

Project Contact: jean.dent@sgs.com E-mail:

Phone # Fax #

Sampler(s) Name(s): AS Phone:

Project Information

Project Name: Griffiss AFB; Rome, NY

Street

City State

Project #

Client Purchase Order #

Project Manager

Billing Information (if different from Report to)

Company Name

Street Address

City State Zip

Attention:

Requested Analysis (see TEST CODE sheet)

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

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	PN 420.4,TKN 351.2, LVL IV, ERPSYNECTICS3 (Chemlab EDD)	LAB USE ONLY
1X	LF5MW-3_1125		11/18/25	12:42:00 PM	AS	AQ	1				x					X	
2X	LF5MW-3_1125-A		11/18/25	12:47:00 PM	AS	AQ	1				x					X	
3X	MW49D07_1125		11/18/25	9:34:00 AM	AS	AQ	1				x					X	
4X	LF5MW-5_1125		11/18/25	11:35:00 AM	AS	AQ	1				x					X	
5X	LF5MW-100R_1125		11/18/25	3:55:00 PM	AS	AQ	1				x					X	
6X	LF5SW-1_1125		11/18/25	1:06:00 PM	AS	AQ	1				x					X	
7X	LF5SW-2_1125		11/18/25	1:16:00 PM	AS	AQ	1				x					X	
8X	LF5SW-3_1125		11/18/25	1:25:00 PM	AS	AQ	1				x					X	
9X	LF5MW-22_1125		11/19/25	12:55:00 PM	AS	AQ	1				x					X	
10X	LF5MW-26_1125		11/19/25	11:36:00 AM	AS	AQ	1				x					X	
11X	LF5MW-30_1125		11/19/25	10:50:00 AM	AS	AQ	1				x					X	

Turnaround Time (Business days)

Approved By (SGS PM): / Date:

- [ ] Std. 10 Business Days
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [x] other Due 12/4/2025

Emergency & Rush T/A data available VIA Lablink

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [x] FULLT1 (Level 4)
- [ ] REDT1 (Level 3+4)
- [ ] Commercial "C"

Commercial "A" = Results Only

Commercial "B" = Results + QC Summary

- [ ] TRRP
- [x] EDD Format ERPSYNECT
- X Other _____
- X x FULT1

Comments / Special Instructions

Please subcontract to Katahdin. Thank you.

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

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	11/24/25 1700	1 PUR 12-01-25	2		2
3		3	4		4
5		5	Custody Seal #		

- [x] Intact
- [ ] Not Intact

Preserved where applicable: X

On Ice: X

Cooler Temp. 6o7

CHAIN OF CUSTODY

"SGS North America Inc. - Orlando
4405 Vineland Road, Suite C-15 Orlando, Fl 32811
TEL. 407-425-6700 FAX: 407-425-0707
www.sgs.com/ehsusa"

FED-EX Tracking #	Bottle Order Control #
SGS Quote #	SGS Job # FC29585X

Client / Reporting Information	Project Information	Requested Analysis (see TEST CODE sheet)	Matrix Codes
Company Name: SGS North America Inc.	Project Name: Griffiss AFB; Rome, NY		DW - Drinking Water GW - Ground Water WW - Water SW - Surface Water SO - Soil SL- Sludge SED-Sediment OI - Oil LIQ - Other Liquid AIR - Air SOL - Other Solid WP - Wipe FB-Field Blank EB-Equipment Blank RB- Rinse Blank TB-Trip Blank
Street Address: 4405 Vineland Rd, Suite C-15	Street	Billing Information (if different from Report to)	
City State Zip: Orlando FL 32811	City State	Company Name	
Project Contact E-mail: jean.dent@sgs.com	Project #	Street Address	
Phone # Fax #	Client Purchase Order #	City State Zip	
Sampler(s) Name(s) Phone: AS	Project Manager	Attention:	

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	PN 420.4,TKN 351.2, DOD, LVL IV, ERPSYNECTICS3 (Chemlab EDD)	LAB USE ONLY
1X	LF5MW-3_1125		11/18/25	12:42:00 PM	AS	AQ	1				x					X	
2X	LF5MW-3_1125-A		11/18/25	12:47:00 PM	AS	AQ	1				x					X	
3X	MW49D07_1125		11/18/25	9:34:00 AM	AS	AQ	1				x					X	
4X	LF5MW-5_1125		11/18/25	11:35:00 AM	AS	AQ	1				x					X	
5X	LF5MW-100R_1125		11/18/25	3:55:00 PM	AS	AQ	1				x					X	
6X	LF5SW-1_1125		11/18/25	1:06:00 PM	AS	AQ	1				x					X	
7X	LF5SW-2_1125		11/18/25	1:16:00 PM	AS	AQ	1				x					X	
8X	LF5SW-3_1125		11/18/25	1:25:00 PM	AS	AQ	1				x					X	
9X	LF7MW-22_1125		11/19/25	12:55:00 PM	AS	AQ	1				x					X	
10X	LF7MW-26_1125		11/19/25	11:36:00 AM	AS	AQ	1				x					X	
11X	LF7MW-30_1125		11/19/25	10:50:00 AM	AS	AQ	1				x					X	

Turnaround Time (Business days)

Approved By (SGS PM): / Date:

- ☐ Std. 10 Business Days
- ☐ 5 Day RUSH
- ☐ 3 Day EMERGENCY
- ☐ 2 Day EMERGENCY
- ☐ 1 Day EMERGENCY
- ☒ other Due 12/4/2025

Emergency & Rush T/A data available VIA Lablink

Data Deliverable Information

- ☐ Commercial "A" (Level 1)
- ☐ Commercial "B" (Level 2)
- ☒ FULLT1 (Level 4)
- ☐ REDT1 (Level 3+4)
- ☐ Commercial "C"
- ☐ TRRP
- ☒ EDD Format ERPSYNECT
- X Other _____
- X x FULT1

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

Comments / Special Instructions

Please subcontract to Katahdin. Thank you.

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

Relinquished by Sampler:	Date Tir	Received By:	Relinquished By:	Date Time:	Received By:
1		1	2		2
Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
3		3	4		4
Relinquished by:	Date Time:	Received By:	Custody Seal # ☐ Intact ☐ Not intact	Preserved where applicable ☐	On Ice ☐ Cooler Temp.
5		5			

Dec. 03, 2025

04:43 PM

Login Number: SS7145

Account: SGSORLANDOFLLAB001
SGS North America- Orlando, Fl

Project: Griffiss AFB; Rome, NY

Primary Report Address:

Jean Dent
SGS North America Inc.
4405 Vineland Road
Suite C-15
Orlando, FL 32811

jean.dent@sgs.com

Primary Invoice Address:

Accounts Payable
SGS North America Inc.
4405 Vineland Road
Suite C-15
Orlando,FL 32811
USA

Report CC Addresses:
Invoice CC Addresses:

Quote/Incoming:

Login Information

ANALYSIS INSTRUCTIONS	:	DOD.
CHECK NO.	:	
CLIENT PO#	:	FC29585X
CLIENT PROJECT MANAGE	:	
CONTRACT	:	
COOLER TEMPERATURE	:	6.7
DELIVERY SERVICES	:	FedEx
EDD FORMAT	:	KAS103QC-TXT
ISM INSTRUCTIONS	:	
LOGIN INITIALS	:	ETP
PM	:	HHM
PROJECT NAME	:	Griffiss AFB; Rome, NY
QC LEVEL	:	IV
REPORT INSTRUCTIONS	:	Email report and invoice to jean.dent@sgs.com.
SDG ID	:	
SDG STATUS	:	
TEMPLATE	:	
VERBAL TAT	:	

Run Reports: Logindetail

Login Number: SS7145

Quote/Incoming:

Account: SGSORLANDOFLLAB001

SGS North America- Orlando, Fl

Project: Griffiss AFB; Rome, NY

Laboratory Sample ID	Client Sample Number	Collect Date/Time	Receive Date	PR	Due Date	Verbal Due Date	Mailed
SS7145-1	LF5MW-3_1125	18-NOV-25 12:42	01-DEC-25		04-DEC-25	**04-DEC-25**	

Sample Comments:

Matrix		Product	Hold Date (shortest)	Notes	Bottle Type
Aqueous	S	E351.2-TKN	16-DEC-25		125mL Plastic+H2SO4
Aqueous	S	E420.1-TOT-REC-PHENO	16-DEC-25		1000mL Plastic+H2SO4

SS7145-2	LF5MW-3_1125-A	18-NOV-25 12:47	01-DEC-25		04-DEC-25	**04-DEC-25**	

Sample Comments:

Matrix		Product	Hold Date (shortest)	Notes	Bottle Type
Aqueous	S	E351.2-TKN	16-DEC-25		125mL Plastic+H2SO4
Aqueous	S	E420.1-TOT-REC-PHENO	16-DEC-25		1000mL Plastic+H2SO4

SS7145-3	MW49D07_1125	18-NOV-25 09:34	01-DEC-25		04-DEC-25	**04-DEC-25**	

Sample Comments:

Matrix		Product	Hold Date (shortest)	Notes	Bottle Type
Aqueous	S	E351.2-TKN	16-DEC-25		125mL Plastic+H2SO4
Aqueous	S	E420.1-TOT-REC-PHENO	16-DEC-25		1000mL Plastic+H2SO4

SS7145-4	LF5MW-5_1125	18-NOV-25 11:35	01-DEC-25		04-DEC-25	**04-DEC-25**	

Sample Comments:

Matrix		Product	Hold Date (shortest)	Notes	Bottle Type
Aqueous	S	E351.2-TKN	16-DEC-25		125mL Plastic+H2SO4
Aqueous	S	E420.1-TOT-REC-PHENO	16-DEC-25		1000mL Plastic+H2SO4

SS7145-5	LF5MW-100R_1125	18-NOV-25 15:55	01-DEC-25		04-DEC-25	**04-DEC-25**	

Sample Comments:

Matrix		Product	Hold Date (shortest)	Notes	Bottle Type
Aqueous	S	E351.2-TKN	16-DEC-25		125mL Plastic+H2SO4
Aqueous	S	E420.1-TOT-REC-PHENO	16-DEC-25		1000mL Plastic+H2SO4

SS7145-6	LF5SW-1_1125	18-NOV-25 13:06	01-DEC-25		04-DEC-25	**04-DEC-25**	

Sample Comments:

Matrix		Product	Hold Date (shortest)	Notes	Bottle Type
Aqueous	S	E351.2-TKN	16-DEC-25		125mL Plastic+H2SO4
Aqueous	S	E420.1-TOT-REC-PHENO	16-DEC-25		1000mL Plastic+H2SO4

SS7145-7	LF5SW-2_1125	18-NOV-25 13:16	01-DEC-25		04-DEC-25	**04-DEC-25**	

Sample Comments:

Matrix		Product	Hold Date (shortest)	Notes	Bottle Type
Aqueous	S	E351.2-TKN	16-DEC-25		125mL Plastic+H2SO4
Aqueous	S	E420.1-TOT-REC-PHENO	16-DEC-25		1000mL Plastic+H2SO4

SS7145-8	LF5SW-3_1125	18-NOV-25 13:25	01-DEC-25		04-DEC-25	**04-DEC-25**	

Sample Comments:

Matrix		Product	Hold Date (shortest)	Notes	Bottle Type
Aqueous	S	E351.2-TKN	16-DEC-25		125mL Plastic+H2SO4
Aqueous	S	E420.1-TOT-REC-PHENO	16-DEC-25		1000mL Plastic+H2SO4

SS7145-9	LF7MW-22_1125	19-NOV-25 12:55	01-DEC-25		04-DEC-25	**04-DEC-25**	

Sample Comments:

Matrix		Product	Hold Date (shortest)	Notes	Bottle Type
Aqueous	S	E351.2-TKN	17-DEC-25		125mL Plastic+H2SO4
Aqueous	S	E420.1-TOT-REC-PHENO	17-DEC-25		1000mL Plastic+H2SO4

Run Reports: Logindetail

Login Number: SS7145

Quote/Incoming:

Account: SGSORLANDOFLLAB001

SGS North America- Orlando, Fl

Project: Griffiss AFB; Rome, NY

Laboratory Sample ID	Client Sample Number	Collect Date/Time	Receive Date	PR	Due Date	Verbal Due Date	Mailed
SS7145-10	LF7MW-26_1125	19-NOV-25 11:36	01-DEC-25		04-DEC-25	**04-DEC-25**	

Sample Comments:

Matrix		*Product*	*Hold Date (shortest)*	*Notes*	*Bottle Type*
Aqueous	S	E351.2-TKN	17-DEC-25		125mL Plastic+H2SO4
Aqueous	S	E420.1-TOT-REC-PHENO	17-DEC-25		1000mL Plastic+H2SO4

SS7145-11	LF7MW-30_1125	19-NOV-25 10:50	01-DEC-25		04-DEC-25	**04-DEC-25**	

Sample Comments:

Matrix		*Product*	*Hold Date (shortest)*	*Notes*	*Bottle Type*
Aqueous	S	E351.2-TKN	17-DEC-25		125mL Plastic+H2SO4
Aqueous	S	E420.1-TOT-REC-PHENO	17-DEC-25		1000mL Plastic+H2SO4

Total Samples: 11 ***Total Analyses: 22***

Run Reports: Logindetail

SAMPLE DATA SUMMARY PACKAGE

SGS NORTH AMERICA, INC. - SCARBOROUGH
INORGANIC DATA QUALIFIERS

The sampled date indicated on the attached Report(s) of Analysis (ROA) is the date for which a grab sample was collected or the date for which a composite sample was completed. Beginning and start times for composite samples can be found on the Chain-of-Custody.

U Indicates the compound was analyzed for but not detected above the specified level. This level may be the Practical Quantitation Level (PQL) (also called Limit of Quantitation (LOQ)), the Limit of Detection (LOD) or Method Detection Limit (MDL) as required by the client. Note: All results reported as "U" MDL have a 50% rate for false negatives compared to those results reported as "U" PQL "U" LOQ or "U" LOD, where the rate of false negatives is <1%.

E Estimated value. This flag identifies compounds whose concentrations exceed the upper level of the calibration range of the instrument for that specific analysis.

J Estimated value. The analyte was detected in the sample at a concentration less than the laboratory Practical Quantitation Level (PQL) (also called Limit of Quantitation (LOQ)), but above the Method Detection Limit (MDL).

I-7 The laboratory's Practical Quantitation Level (PQL) or LOQ could not be achieved for this parameter due to sample composition, matrix effects, sample volume, or quantity used for analysis.

A-4 Please refer to cover letter or narrative for further information.

H_ Please note that the regulatory holding time for _____ is "analyze immediately". Ideally, this analysis must be performed in the field at the time of sample collection. _____ for this sample was not performed at the time of sample collection. The analysis was performed as soon as possible after receipt by the laboratory.
H1 - pH H2 - DO H3 - sulfite H4 - residual chlorine

T1 The client did not provide the full volume of at least one liter for analysis of TSS. Therefore, the PQL of 2.5 mg/L could not be achieved.

T2 The client provided the required volume of at least one liter for analysis of TSS, but the laboratory could not filter the full one liter volume due to the sample matrix. Therefore, the PQL of 2.5 mg/L could not be achieved.

M1 The matrix spike and/or matrix spike duplicate recovery performed on this sample was outside of the laboratory acceptance criteria. Sample matrix is suspected. The laboratory criteria was met for the Laboratory Control Sample (LCS) analyzed concurrently with this sample.

M2 The matrix spike and/or matrix spike duplicate recovery was outside of the laboratory acceptance criteria. The native sample concentration is greater than four times the spike added concentration so the spike added could not be distinguished from the native sample concentration.

R1 The relative percent difference (RPD) between the duplicate analyses performed on this sample was outside of the laboratory acceptance criteria (when both values are greater than ten times the PQL).

MCL	Maximum Contaminant Level	NL	No limit	NOD	No Odor Detected
NFL	No Free Liquid Present	FLP	Free Liquid Present	TON	Threshold Odor Number

D-1 As required by Method 5210B, APHA Standard Methods for the Examination of Water and Wastewater (21st edition), the BOD value reported for this sample is 'qualified' because the check standard run concurrently with the sample analysis did not meet the criteria specified in the method (198 +/- 30.5 mg/L). These results may not be reportable for compliance purposes.

D-2 The measured final dissolved oxygen concentrations of all dilutions were less than the method-specified limit of 1 mg/L. The reported BOD result was calculated assuming a final oxygen concentration equal to 1 mg/L. The reported value should be considered a minimum value.

D-3 The dilution water used to prepare this sample did not meet the method and/or regulatory criteria of less than 0.2 mg/L dissolved oxygen (DO) uptake over the five day period of incubation. These results may not be reportable for compliance purposes.

D-4 The dilution water used to prepare this sample did not meet the method and/or regulatory criteria of less than 0.4 mg/L dissolved oxygen (DO) uptake over the five day period of incubation. These results may not be reportable for compliance purposes.

D-5 The seed control factor did not meet the method criteria of greater than 2.0 mg/L of dissolved oxygen (DO) uptake over the five day period of incubation. The dilution closest to meeting the criteria was used to estimate the seed control factor.

X1 The weight difference between dry weights after measuring a third dry weight is greater than 0.001 g. [TS-AQ, TSS, TDS]

X2 The weight difference between dry weights after measuring a third dry weight is greater than 0.05 g. [TS-ME]

Report of Analytical Results

Lab Sample ID: SS7145-1
Client ID: LF5MW-3_1125
SDG: SS7145
Report Date: 11-DEC-25

Matrix	Date Sampled	Date Received
AQ	18-NOV-25 12:42	01-DEC-25

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Phenolics, Total Recoverable	J10. ug/L	11.	2.6	6.6	EPA 420.1	WG381072	10-DEC-25 14:45	EPA 420.1	09-DEC-25	
Total Kjeldahl Nitrogen	1.1 mg/L	0.25	0.11	0.20	EPA 351.2	WG380908	08-DEC-25 12:18	EPA 351.2	08-DEC-25	M1

Report of Analytical Results

Lab Sample ID: SS7145-2
Client ID: LF5MW-3_1125-A
SDG: SS7145
Report Date: 11-DEC-25

Matrix	Date Sampled	Date Received
AQ	18-NOV-25 12:47	01-DEC-25

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Phenolics, Total Recoverable	J9.4 ug/L	10.	2.4	6.0	EPA 420.1	WG381072	10-DEC-25 14:45	EPA 420.1	09-DEC-25	
Total Kjeldahl Nitrogen	0.97 mg/L	0.25	0.11	0.20	EPA 351.2	WG380908	08-DEC-25 12:19	EPA 351.2	08-DEC-25	M1

600 Technology Way
P.O. Box 540, Scarborough, ME 04070
Tel:(207) 874-2400 Fax:(207) 775-4029
http://env.sgs.com

Report of Analytical Results

Lab Sample ID: SS7145-3
Client ID: MW49D07_1125
SDG: SS7145
Report Date: 11-DEC-25

Matrix	Date Sampled	Date Received
AQ	18-NOV-25 09:34	01-DEC-25

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Phenolics, Total Recoverable	J8.8 ug/L	10.	2.5	6.3	EPA 420.1	WG381072	10-DEC-25 14:45	EPA 420.1	09-DEC-25	
Total Kjeldahl Nitrogen	J0.15 mg/L	0.25	0.11	0.20	EPA 351.2	WG380908	08-DEC-25 12:20	EPA 351.2	08-DEC-25	

600 Technology Way
P.O. Box 540, Scarborough, ME 04070
Tel:(207) 874-2400 Fax:(207) 775-4029
http://env.sgs.com

Report of Analytical Results

Lab Sample ID: SS7145-4
Client ID: LF5MW-5_1125
SDG: SS7145
Report Date: 11-DEC-25

Matrix	Date Sampled	Date Received
AQ	18-NOV-25 11:35	01-DEC-25

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Phenolics, Total Recoverable	J8.0 ug/L	10.	2.4	6.0	EPA 420.1	WG381072	10-DEC-25 14:45	EPA 420.1	09-DEC-25	
Total Kjeldahl Nitrogen	1.5 mg/L	0.25	0.11	0.20	EPA 351.2	WG380908	08-DEC-25 12:22	EPA 351.2	08-DEC-25	

600 Technology Way
P.O. Box 540, Scarborough, ME 04070
Tel:(207) 874-2400 Fax:(207) 775-4029
http://env.sgs.com

Report of Analytical Results

Lab Sample ID: SS7145-5
Client ID: LF5MW-100R_1125
SDG: SS7145
Report Date: 11-DEC-25

Matrix	Date Sampled	Date Received
AQ	18-NOV-25 15:55	01-DEC-25

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Phenolics, Total Recoverable	J8.0 ug/L	11.	2.6	6.6	EPA 420.1	WG381072	10-DEC-25 14:45	EPA 420.1	09-DEC-25	
Total Kjeldahl Nitrogen	32. mg/L	1.2	0.54	1.0	EPA 351.2	WG380908	08-DEC-25 13:04	EPA 351.2	08-DEC-25	

600 Technology Way
P.O. Box 540, Scarborough, ME 04070
Tel:(207) 874-2400 Fax:(207) 775-4029
http://env.sgs.com

Report of Analytical Results

Lab Sample ID: SS7145-6
Client ID: LF5SW-1_1125
SDG: SS7145
Report Date: 11-DEC-25

Matrix	Date Sampled	Date Received
AQ	18-NOV-25 13:06	01-DEC-25

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Phenolics, Total Recoverable	J8.6 ug/L	9.5	2.3	5.7	EPA 420.1	WG381072	10-DEC-25 14:45	EPA 420.1	09-DEC-25	
Total Kjeldahl Nitrogen	J0.18 mg/L	0.25	0.11	0.20	EPA 351.2	WG380908	08-DEC-25 12:26	EPA 351.2	08-DEC-25	

600 Technology Way
P.O. Box 540, Scarborough, ME 04070
Tel:(207) 874-2400 Fax:(207) 775-4029
http://env.sgs.com

Report of Analytical Results

Lab Sample ID: SS7145-7
Client ID: LF5SW-2_1125
SDG: SS7145
Report Date: 11-DEC-25

Matrix	Date Sampled	Date Received
AQ	18-NOV-25 13:16	01-DEC-25

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Phenolics, Total Recoverable	J9.0 ug/L	10.0	2.4	6.0	EPA 420.1	WG381072	10-DEC-25 14:45	EPA 420.1	09-DEC-25	
Total Kjeldahl Nitrogen	0.47 mg/L	0.25	0.11	0.20	EPA 351.2	WG380908	08-DEC-25 12:27	EPA 351.2	08-DEC-25	

600 Technology Way
P.O. Box 540, Scarborough, ME 04070
Tel:(207) 874-2400 Fax:(207) 775-4029
http://env.sgs.com

Report of Analytical Results

Lab Sample ID: SS7145-8
Client ID: LF5SW-3_1125
SDG: SS7145
Report Date: 11-DEC-25

Matrix	Date Sampled	Date Received
AQ	18-NOV-25 13:25	01-DEC-25

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Phenolics, Total Recoverable	J9.1 ug/L	11.	2.6	6.6	EPA 420.1	WG381072	10-DEC-25 14:45	EPA 420.1	09-DEC-25	
Total Kjeldahl Nitrogen	0.67 mg/L	0.25	0.11	0.20	EPA 351.2	WG380908	08-DEC-25 12:28	EPA 351.2	08-DEC-25	

600 Technology Way
P.O. Box 540, Scarborough, ME 04070
Tel:(207) 874-2400 Fax:(207) 775-4029
http://env.sgs.com

Report of Analytical Results

Lab Sample ID: SS7145-9
Client ID: LF7MW-22_1125
SDG: SS7145
Report Date: 11-DEC-25

Matrix	Date Sampled	Date Received
AQ	19-NOV-25 12:55	01-DEC-25

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Phenolics, Total Recoverable	J8.0 ug/L	9.0	2.1	5.4	EPA 420.1	WG381072	10-DEC-25 14:45	EPA 420.1	09-DEC-25	
Total Kjeldahl Nitrogen	0.78 mg/L	0.25	0.11	0.20	EPA 351.2	WG380908	08-DEC-25 12:29	EPA 351.2	08-DEC-25	

600 Technology Way
P.O. Box 540, Scarborough, ME 04070
Tel:(207) 874-2400 Fax:(207) 775-4029
http://env.sgs.com

Report of Analytical Results

Lab Sample ID: SS7145-10
Client ID: LF7MW-26_1125
SDG: SS7145
Report Date: 11-DEC-25

Matrix	Date Sampled	Date Received
AQ	19-NOV-25 11:36	01-DEC-25

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Phenolics, Total Recoverable	J9.3 ug/L	10.	2.4	6.0	EPA 420.1	WG381072	10-DEC-25 14:45	EPA 420.1	09-DEC-25	
Total Kjeldahl Nitrogen	U0.20 mg/L	0.25	0.11	0.20	EPA 351.2	WG380908	08-DEC-25 12:30	EPA 351.2	08-DEC-25	

Report of Analytical Results

Lab Sample ID: SS7145-11
Client ID: LF7MW-30_1125
SDG: SS7145
Report Date: 11-DEC-25

Matrix	Date Sampled	Date Received
AQ	19-NOV-25 10:50	01-DEC-25

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Phenolics, Total Recoverable	J8.5 ug/L	11.	2.6	6.6	EPA 420.1	WG381072	10-DEC-25 14:45	EPA 420.1	09-DEC-25	
Total Kjeldahl Nitrogen	J0.23 mg/L	0.25	0.11	0.20	EPA 351.2	WG380908	08-DEC-25 12:31	EPA 351.2	08-DEC-25	

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CONVENTIONAL AND PHYSICAL ANALYTICAL DATA

QC Summary Section

Phenolics, Total Recoverable

QC Batch	Anal. Method	Anal. Date	Prep. Date	Result	Units	LOQ	MDL	LOD
WG381072	EPA 420.1	10-DEC-25	09-DEC-25	U5	ug/L	5	1.19	N/A

Total Kjeldahl Nitrogen

QC Batch	Anal. Method	Anal. Date	Prep. Date	Result	Units	LOQ	MDL	LOD
WG380908	EPA 351.2	08-DEC-25	08-DEC-25	U0.20	mg/L	0.25	0.11	0.20

Quality Control Report

Laboratory Control Sample Summary Report

Phenolics, Total Recoverable

Laboratory Sample ID	Sample Type	QC Batch	Analysis Date	Prep Date	Units	Spike Amount	Result	Recovery (%)	Acceptance Range	RPD
WG381072-2	LCS	WG381072	10-DEC-25	09-DEC-25	ug/L	60	57.	94	90-110	
WG381072-3	LCSD	WG381072	10-DEC-25	09-DEC-25	ug/L	60	59.	99	90-110	5

Total Kjeldahl Nitrogen

Laboratory Sample ID	Sample Type	QC Batch	Analysis Date	Prep Date	Units	Spike Amount	Result	Recovery (%)	Acceptance Range	RPD
WG380908-2	LCS	WG380908	08-DEC-25	08-DEC-25	mg/L	5	5.2	103	90-110	
WG380908-3	LCSD	WG380908	08-DEC-25	08-DEC-25	mg/L	5	5.1	102	90-110	2

Quality Control Report

Duplicate Sample Summary Report

Total Kjeldahl Nitrogen

Laboratory Sample ID	Sample Type	QC Batch	Analysis Date	Prep Date	Units	Sample Result	Duplicate Result	RPD	RPD Limit
WG380908-4	SS7145-1	WG380908	08-DEC-25	08-DEC-25	mg/L	1.1	1.4	23	30

Quality Control Report

Matrix Spike Sample Summary Report

Total Kjeldahl Nitrogen

Matrix Spike Sample ID	Sample Type	Original Sample ID	QC Batch	Analysis Date	Units	Spike Amount	Sample Result	MS Result	Recovery (%)	Acceptance Range	RPD
WG380908-5	MS	SS7145-1	WG380908	08-DEC-25	mg/L	5	1.1	8.5	148*	75 - 125	
WG380908-6	MS	SS7145-2	WG380908	08-DEC-25	mg/L	5	0.97	8.0	140*	75 - 125	

Sample Data Section

SGS NORTH AMERICA, INC. - SCARBOROUGH
INORGANIC DATA QUALIFIERS

The sampled date indicated on the attached Report(s) of Analysis (ROA) is the date for which a grab sample was collected or the date for which a composite sample was completed. Beginning and start times for composite samples can be found on the Chain-of-Custody.

U Indicates the compound was analyzed for but not detected above the specified level. This level may be the Practical Quantitation Level (PQL) (also called Limit of Quantitation (LOQ)), the Limit of Detection (LOD) or Method Detection Limit (MDL) as required by the client. Note: All results reported as "U" MDL have a 50% rate for false negatives compared to those results reported as "U" PQL "U" LOQ or "U" LOD, where the rate of false negatives is <1%.

E Estimated value. This flag identifies compounds whose concentrations exceed the upper level of the calibration range of the instrument for that specific analysis.

J Estimated value. The analyte was detected in the sample at a concentration less than the laboratory Practical Quantitation Level (PQL) (also called Limit of Quantitation (LOQ)), but above the Method Detection Limit (MDL).

I-7 The laboratory's Practical Quantitation Level (PQL) or LOQ could not be achieved for this parameter due to sample composition, matrix effects, sample volume, or quantity used for analysis.

A-4 Please refer to cover letter or narrative for further information.

H_ Please note that the regulatory holding time for _____ is "analyze immediately". Ideally, this analysis must be performed in the field at the time of sample collection. _____ for this sample was not performed at the time of sample collection. The analysis was performed as soon as possible after receipt by the laboratory.
H1 - pH H2 - DO H3 - sulfite H4 - residual chlorine

T1 The client did not provide the full volume of at least one liter for analysis of TSS. Therefore, the PQL of 2.5 mg/L could not be achieved.

T2 The client provided the required volume of at least one liter for analysis of TSS, but the laboratory could not filter the full one liter volume due to the sample matrix. Therefore, the PQL of 2.5 mg/L could not be achieved.

M1 The matrix spike and/or matrix spike duplicate recovery performed on this sample was outside of the laboratory acceptance criteria. Sample matrix is suspected. The laboratory criteria was met for the Laboratory Control Sample (LCS) analyzed concurrently with this sample.

M2 The matrix spike and/or matrix spike duplicate recovery was outside of the laboratory acceptance criteria. The native sample concentration is greater than four times the spike added concentration so the spike added could not be distinguished from the native sample concentration.

R1 The relative percent difference (RPD) between the duplicate analyses performed on this sample was outside of the laboratory acceptance criteria (when both values are greater than ten times the PQL).

MCL	Maximum Contaminant Level	NL	No limit	NOD	No Odor Detected
NFL	No Free Liquid Present	FLP	Free Liquid Present	TON	Threshold Odor Number

D-1 As required by Method 5210B, APHA Standard Methods for the Examination of Water and Wastewater (21st edition), the BOD value reported for this sample is 'qualified' because the check standard run concurrently with the sample analysis did not meet the criteria specified in the method (198 +/- 30.5 mg/L). These results may not be reportable for compliance purposes.

D-2 The measured final dissolved oxygen concentrations of all dilutions were less than the method-specified limit of 1 mg/L. The reported BOD result was calculated assuming a final oxygen concentration equal to 1 mg/L. The reported value should be considered a minimum value.

D-3 The dilution water used to prepare this sample did not meet the method and/or regulatory criteria of less than 0.2 mg/L dissolved oxygen (DO) uptake over the five day period of incubation. These results may not be reportable for compliance purposes.

D-4 The dilution water used to prepare this sample did not meet the method and/or regulatory criteria of less than 0.4 mg/L dissolved oxygen (DO) uptake over the five day period of incubation. These results may not be reportable for compliance purposes.

D-5 The seed control factor did not meet the method criteria of greater than 2.0 mg/L of dissolved oxygen (DO) uptake over the five day period of incubation. The dilution closest to meeting the criteria was used to estimate the seed control factor.

X1 The weight difference between dry weights after measuring a third dry weight is greater than 0.001 g. [TS-AQ, TSS, TDS]

X2 The weight difference between dry weights after measuring a third dry weight is greater than 0.05 g. [TS-ME]

Report of Analytical Results

Lab Sample ID: SS7145-1
Client ID: LF5MW-3_1125
SDG: SS7145
Report Date: 11-DEC-25

Matrix	Date Sampled	Date Received
AQ	18-NOV-25 12:42	01-DEC-25

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Phenolics, Total Recoverable	J10. ug/L	11.	2.6	6.6	EPA 420.1	WG381072	10-DEC-25 14:45	EPA 420.1	09-DEC-25	
Total Kjeldahl Nitrogen	1.1 mg/L	0.25	0.11	0.20	EPA 351.2	WG380908	08-DEC-25 12:18	EPA 351.2	08-DEC-25	M1

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Report of Analytical Results

Lab Sample ID: SS7145-2
Client ID: LF5MW-3_1125-A
SDG: SS7145
Report Date: 11-DEC-25

Matrix	Date Sampled	Date Received
AQ	18-NOV-25 12:47	01-DEC-25

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Phenolics, Total Recoverable	J9.4 ug/L	10.	2.4	6.0	EPA 420.1	WG381072	10-DEC-25 14:45	EPA 420.1	09-DEC-25	
Total Kjeldahl Nitrogen	0.97 mg/L	0.25	0.11	0.20	EPA 351.2	WG380908	08-DEC-25 12:19	EPA 351.2	08-DEC-25	M1

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Report of Analytical Results

Lab Sample ID: SS7145-3
Client ID: MW49D07_1125
SDG: SS7145
Report Date: 11-DEC-25

Matrix	Date Sampled	Date Received
AQ	18-NOV-25 09:34	01-DEC-25

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Phenolics, Total Recoverable	J8.8 ug/L	10.	2.5	6.3	EPA 420.1	WG381072	10-DEC-25 14:45	EPA 420.1	09-DEC-25	
Total Kjeldahl Nitrogen	J0.15 mg/L	0.25	0.11	0.20	EPA 351.2	WG380908	08-DEC-25 12:20	EPA 351.2	08-DEC-25	

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Report of Analytical Results

Lab Sample ID: SS7145-4
Client ID: LF5MW-5_1125
SDG: SS7145
Report Date: 11-DEC-25

Matrix	Date Sampled	Date Received
AQ	18-NOV-25 11:35	01-DEC-25

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Phenolics, Total Recoverable	J8.0 ug/L	10.	2.4	6.0	EPA 420.1	WG381072	10-DEC-25 14:45	EPA 420.1	09-DEC-25	
Total Kjeldahl Nitrogen	1.5 mg/L	0.25	0.11	0.20	EPA 351.2	WG380908	08-DEC-25 12:22	EPA 351.2	08-DEC-25	

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Report of Analytical Results

Lab Sample ID: SS7145-5
Client ID: LF5MW-100R_1125
SDG: SS7145
Report Date: 11-DEC-25

Matrix	Date Sampled	Date Received
AQ	18-NOV-25 15:55	01-DEC-25

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Phenolics, Total Recoverable	J8.0 ug/L	11.	2.6	6.6	EPA 420.1	WG381072	10-DEC-25 14:45	EPA 420.1	09-DEC-25	
Total Kjeldahl Nitrogen	32. mg/L	1.2	0.54	1.0	EPA 351.2	WG380908	08-DEC-25 13:04	EPA 351.2	08-DEC-25	

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Report of Analytical Results

Lab Sample ID: SS7145-6
Client ID: LF5SW-1_1125
SDG: SS7145
Report Date: 11-DEC-25

Matrix	Date Sampled	Date Received
AQ	18-NOV-25 13:06	01-DEC-25

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Phenolics, Total Recoverable	J8.6 ug/L	9.5	2.3	5.7	EPA 420.1	WG381072	10-DEC-25 14:45	EPA 420.1	09-DEC-25	
Total Kjeldahl Nitrogen	J0.18 mg/L	0.25	0.11	0.20	EPA 351.2	WG380908	08-DEC-25 12:26	EPA 351.2	08-DEC-25	

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Report of Analytical Results

Lab Sample ID: SS7145-7
Client ID: LF5SW-2_1125
SDG: SS7145
Report Date: 11-DEC-25

Matrix	Date Sampled	Date Received
AQ	18-NOV-25 13:16	01-DEC-25

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Phenolics, Total Recoverable	J9.0 ug/L	10.0	2.4	6.0	EPA 420.1	WG381072	10-DEC-25 14:45	EPA 420.1	09-DEC-25	
Total Kjeldahl Nitrogen	0.47 mg/L	0.25	0.11	0.20	EPA 351.2	WG380908	08-DEC-25 12:27	EPA 351.2	08-DEC-25	

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Report of Analytical Results

Lab Sample ID: SS7145-8
Client ID: LF5SW-3_1125
SDG: SS7145
Report Date: 11-DEC-25

Matrix	Date Sampled	Date Received
AQ	18-NOV-25 13:25	01-DEC-25

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Phenolics, Total Recoverable	J9.1 ug/L	11.	2.6	6.6	EPA 420.1	WG381072	10-DEC-25 14:45	EPA 420.1	09-DEC-25	
Total Kjeldahl Nitrogen	0.67 mg/L	0.25	0.11	0.20	EPA 351.2	WG380908	08-DEC-25 12:28	EPA 351.2	08-DEC-25	

Report of Analytical Results

Lab Sample ID: SS7145-9
Client ID: LF7MW-22_1125
SDG: SS7145
Report Date: 11-DEC-25

Matrix	Date Sampled	Date Received
AQ	19-NOV-25 12:55	01-DEC-25

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Phenolics, Total Recoverable	J8.0 ug/L	9.0	2.1	5.4	EPA 420.1	WG381072	10-DEC-25 14:45	EPA 420.1	09-DEC-25	
Total Kjeldahl Nitrogen	0.78 mg/L	0.25	0.11	0.20	EPA 351.2	WG380908	08-DEC-25 12:29	EPA 351.2	08-DEC-25	

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Report of Analytical Results

Lab Sample ID: SS7145-10
Client ID: LF7MW-26_1125
SDG: SS7145
Report Date: 11-DEC-25

Matrix	Date Sampled	Date Received
AQ	19-NOV-25 11:36	01-DEC-25

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Phenolics, Total Recoverable	J9.3 ug/L	10.	2.4	6.0	EPA 420.1	WG381072	10-DEC-25 14:45	EPA 420.1	09-DEC-25	
Total Kjeldahl Nitrogen	U0.20 mg/L	0.25	0.11	0.20	EPA 351.2	WG380908	08-DEC-25 12:30	EPA 351.2	08-DEC-25	

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Report of Analytical Results

Lab Sample ID: SS7145-11
Client ID: LF7MW-30_1125
SDG: SS7145
Report Date: 11-DEC-25

Matrix	Date Sampled	Date Received
AQ	19-NOV-25 10:50	01-DEC-25

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Phenolics, Total Recoverable	J8.5 ug/L	11.	2.6	6.6	EPA 420.1	WG381072	10-DEC-25 14:45	EPA 420.1	09-DEC-25	
Total Kjeldahl Nitrogen	J0.23 mg/L	0.25	0.11	0.20	EPA 351.2	WG380908	08-DEC-25 12:31	EPA 351.2	08-DEC-25	

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Raw Data Section

WET CHEMISTRY BATCH REPORT
Dec 08 2025, 01:58 pm
Batch: WG380908 Run ID 1: R678033 Run ID 2: NONE

Parameter: Total Kjeldahl Nitrogen

Prep Date: 08-DEC-25

Date Analyzed: 08-DEC-25

Prep Method: EPA 351.2

Analyst Initials: CF

Prep Chemist: CF

Sample	Samp Type	Method	Initial Amt.	Final Amt.	Rpt. DF	Result	Rpt Result	TS(%)	PQL	MDL	Adj PQL	RPD	%Rec
SS7112-1	SAMP	EPA 351.2	25.000mL	25.000mL	20	268	270 mg/L	NA	.25	2.2	5.0		
SS7112-2	SAMP	EPA 351.2	25.000mL	25.000mL	20	304	300 mg/L	NA	.25	2.2	5.0		
SS7112-3	SAMP	EPA 351.2	25.000mL	25.000mL	20	316	320 mg/L	NA	.25	2.2	5.0		
SS7145-1	SAMP	EPA 351.2	25.000mL	25.000mL	1	1.09	1.1 mg/L	NA	.25	0.11	0.25		
SS7145-2	SAMP	EPA 351.2	25.000mL	25.000mL	1	.974	0.97 mg/L	NA	.25	0.11	0.25		
SS7145-3	SAMP	EPA 351.2	25.000mL	25.000mL	1	.154	J0.15 mg/L	NA	.25	0.11	0.25		
SS7145-4	SAMP	EPA 351.2	25.000mL	25.000mL	1	1.51	1.5 mg/L	NA	.25	0.11	0.25		
SS7145-5	SAMP	EPA 351.2	25.000mL	25.000mL	5	32.05	32. mg/L	NA	.25	0.54	1.2		
SS7145-6	SAMP	EPA 351.2	25.000mL	25.000mL	1	.181	J0.18 mg/L	NA	.25	0.11	0.25		
SS7145-7	SAMP	EPA 351.2	25.000mL	25.000mL	1	.468	0.47 mg/L	NA	.25	0.11	0.25		
SS7145-8	SAMP	EPA 351.2	25.000mL	25.000mL	1	.672	0.67 mg/L	NA	.25	0.11	0.25		
SS7145-9	SAMP	EPA 351.2	25.000mL	25.000mL	1	.782	0.78 mg/L	NA	.25	0.11	0.25		
SS7145-10	SAMP	EPA 351.2	25.000mL	25.000mL	1	-.189	U0.20 mg/L	NA	.25	0.11	0.25		
SS7145-11	SAMP	EPA 351.2	25.000mL	25.000mL	1	.228	J0.23 mg/L	NA	.25	0.11	0.25		
SS7214-1	SAMP	EPA 351.2	25.000mL	25.000mL	20	286	290 mg/L	NA	.25	2.2	5.0		
SS7236-1	SAMP	EPA 351.2	25.000mL	25.000mL	1	.259	0.26 mg/L	NA	.25	0.11	0.25		
SS7236-2	SAMP	EPA 351.2	25.000mL	25.000mL	1	.376	0.38 mg/L	NA	.25	0.11	0.25		
SS7296-2	SAMP	EPA 351.2	25.000mL	25.000mL	1	6.68	6.7 mg/L	NA	.25	0.11	0.25		
WG380908-1	MBLANK	EPA 351.2	25.000mL	25.000mL	1	.00467	U0.20 mg/L	NA	.25	0.11	0.25		
WG380908-2	LCS	EPA 351.2	25.000mL	25.000mL	1	5.17	5.2 mg/L	NA	.25	0.11	0.25		103
WG380908-3	LCSD	EPA 351.2	25.000mL	25.000mL	1	5.08	5.1 mg/L	NA	.25	0.11	0.25	2	102
WG380908-4	DUP	EPA 351.2	25.000mL	25.000mL	1	1.37	1.4 mg/L	NA	.25	0.11	0.25	23	
WG380908-5	MS	EPA 351.2	25.000mL	25.000mL	1	8.48	8.5 mg/L	NA	.25	0.11	0.25		148
WG380908-6	MS	EPA 351.2	25.000mL	25.000mL	1	7.98	8.0 mg/L	NA	.25	0.11	0.25		140

Comments:

SS7236-1	Anions = Cl, SO4, Br
SS7236-2	Anions = Cl, SO4, Br
WG380908-1	SS7112-1
WG380908-2	SS7112-1
WG380908-3	SS7112-1
WG380908-4	SS7145-1
WG380908-5	SS7145-1
WG380908-6	SS7145-2

Entered by: CF Date: 12/8/25 Accepted by: RAD Date: 12/8/25

KATAHDIN ANALYTICAL SERVICES, LLC
Wet Chemistry Analysis Run Information Sheet

Analyte: TKN	**Analyst:** CF
Instrument: LACHAT	**Analysis Date:** 12/18/25

AQ W6380908-7R678033

Analytical Method (Check all that apply):

[✓] EPA 351.2 [ ] Other

Reagent Information:

Reagent Name	Reagent ID	Expiration Date
Buffer	**W24161**	**1/8/2026**
Salicylate-Nitroprusside	**W24110**	**12/19/2025**
Carrier	**W24093**	**12/14/2025**
Sodium Hydroxide	**W24146**	**1/2/2026**
Sodium Hypochlorite Solution - (15 mL of household bleach brought up to 250mL with DI)	NaClO_8-DEC-25	Day of use only
Digestion Solution	**W24088**	**12/13/2025**

Standards Information:

Standard Name	Concentration (mg/L)	ID	Expiration Date
Cal. Standard / CCV Stock	100	W23760	1/11/2026
LCS/MS Stock Standard	500	W23761	1/11/2026

Comments:

Author: wetchem

Date : 12/8/2025

Original Run Filename: OM_12-8-2025_12-09-02PM.OMN Created: 12/8/2025 12:09:02 PM
Original Run Author's Signature: [wetchem]
Current Run Filename: OM_12-8-2025_12-09-02PM.OMN Last Modified: 12/8/2025 12:38:20 PM
Current Run Author's Signature: [wetchem]
Description: Default New Run

Sample	Channel 1 TKN Conc. (mg/L)	Area (V.s)	Height (V)	Detection Time	MDF
107% CCV	10.7	8.11	0.563	12/8/2025@12:10:00 PM	
Known Conc:	10.0				
Calibration:	Table/Fig. : 1				
CCB	-0.0852	-0.322	-0.0193	12/8/2025@12:11:07 PM	
Known Conc:	0.00				
BLANK	4.67e-3	-0.249	-0.0182	12/8/2025@12:12:13 PM	
Known Conc:	100				
103.4% LCS	5.17	3.85	0.284	12/8/2025@12:13:18 PM	
Known Conc:	5.00				
101.6% LCSD	5.08	3.78	0.292	12/8/2025@12:14:24 PM	
SS7112-1	69.4	45.8	2.36	12/8/2025@12:15:30 PM	
SS7112-2	81.5	52.5	2.50	12/8/2025@12:16:36 PM	
SS7112-3	91.8	58.0	2.74	12/8/2025@12:17:42 PM	
SS7145-1	1.09	0.624	0.0528	12/8/2025@12:18:47 PM	
SS7145-2	0.974	0.532	0.0411	12/8/2025@12:19:53 PM	
SS7145-3	0.154	-0.129	-6.22e-3	12/8/2025@12:20:58 PM	
SS7145-4	1.51	0.960	0.0756	12/8/2025@12:22:02 PM	
110% CCV	11.0	8.32	0.620	12/8/2025@12:23:08 PM	
Known Conc:	10.0				
CCB	-0.0207	-0.270	-0.0192	12/8/2025@12:24:15 PM	
Known Conc:	0.00				
SS7145-5	24.2	17.8	1.33	12/8/2025@12:25:21 PM	
SS7145-6	0.181	-0.106	-6.47e-3	12/8/2025@12:26:25 PM	
SS7145-7	0.468	0.125	0.0108	12/8/2025@12:27:31 PM	
SS7145-8	0.672	0.289	0.0237	12/8/2025@12:28:35 PM	
SS7145-9	0.782	0.378	0.0326	12/8/2025@12:29:39 PM	
SS7145-10	-0.189	-0.406	-0.0198	12/8/2025@12:30:46 PM	
SS7145-11	0.228	-0.0685	-5.31e-3	12/8/2025@12:31:52 PM	
SS7214-1	84.3	54.0	2.60	12/8/2025@12:32:57 PM	
SS7236-1	0.259	-0.0440	-3.47e-3	12/8/2025@12:34:04 PM	
SS7236-2	0.376	0.0508	5.38e-3	12/8/2025@12:35:10 PM	
Rerun CCV/CCB pair immediately after baseline issue. CF 12/8/25 CCV	11.4	8.61	0.652	12/8/2025@12:36:18 PM	
Known Conc:	10.0				

• Rerun dilute; over cal. CF 12/8/25

Table : 1 (TKN)

	Known Conc. (mg/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg/L)	Detection Date	Detection Time
1	20.0	1	14.9	0.958	0.0	0.0	20.0	12/8/2025	11:59:23 AM
2	10.0	1	7.54	0.481	0.0	0.2	9.98	12/8/2025	12:00:27 PM
3	1.00	1	0.600	0.0365	0.0	-8.8	1.06	12/8/2025	12:01:33 PM
4	0.500	1	0.192	0.0128	0.0	-27.2	0.551	12/8/2025	12:02:39 PM
5	0.250	1	-0.0876	-5.21e-3	0.0	-74.5	0.205	12/8/2025	12:03:44 PM
6	0.00	1	-0.295	-0.0178			-0.0515	12/8/2025	12:04:50 PM

Author: wetchem

Date : 12/8/2025

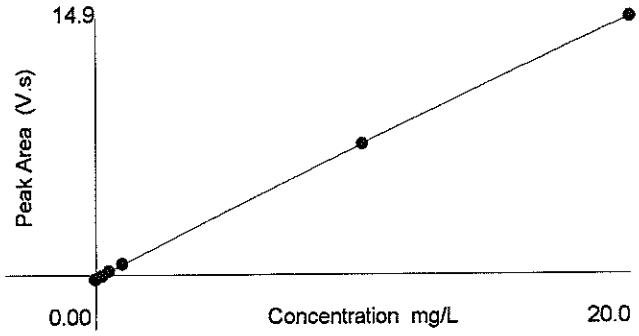
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Current Run Filename: OM_12-8-2025_12-56-58PM.OMN Last Modified: 12/8/2025 1:14:45 PM
Current Run Author's Signature: [wetchem]
Description: Default New Run

Sample	Channel 1 TKN Conc. (mg/L)	Area (V.s)	Height (V)	Detection Time	MDF
99.9% CCV	9.99	7.54	0.545	12/8/2025@12:57:57 PM	
Known Conc:	10.0				
Calibration:	Table/Fig. : 1				
CCB	-0.149	-0.374	-0.0235	12/8/2025@12:59:04 PM	
Known Conc:	0.00				
SS7296-2	6.68	5.02	0.368	12/8/2025@1:00:09 PM	
SS7112-1	13.4	10.1	0.748	12/8/2025@1:01:15 PM	20.00
SS7112-2	15.2	11.4	0.977	12/8/2025@1:02:20 PM	20.00
SS7112-3	15.8	11.8	0.892	12/8/2025@1:03:27 PM	20.00
SS7145-5	6.41	4.82	0.376	12/8/2025@1:04:31 PM	5.00
SS7214-1	14.3	10.7	0.812	12/8/2025@1:05:38 PM	20.00
SS7145-1DUP	1.37	0.853	0.0692	12/8/2025@1:06:44 PM	
SS7145-1MS	8.48	6.40	0.496	12/8/2025@1:07:50 PM	
SS7145-2MS	7.98	6.02	0.458	12/8/2025@1:08:56 PM	
Rerun closing QC immediately after sampler issue. CF 12/8/25 CCV	8.54	6.45	0.493	12/8/2025@1:11:45 PM	
Known Conc:	10.0				
CCB	-0.178	-0.397	-0.0268	12/8/2025@1:12:52 PM	
Known Conc:	0.00				

Table : 1 (TKN)

	Known Conc. (mg/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg/L)	Detection Date	Detection Time
1	20.0	1	14.9	0.958	0.0	0.0	20.0	12/8/2025	11:59:23 AM
2	10.0	1	7.54	0.481	0.0	0.2	9.98	12/8/2025	12:00:27 PM
3	1.00	1	0.600	0.0365	0.0	-8.8	1.06	12/8/2025	12:01:33 PM
4	0.500	1	0.192	0.0128	0.0	-27.2	0.551	12/8/2025	12:02:39 PM
5	0.250	1	-0.0876	-5.21e-3	0.0	-74.5	0.205	12/8/2025	12:03:44 PM
6	0.00	1	-0.295	-0.0178			-0.0515	12/8/2025	12:04:50 PM

Figure : 1 (TKN)



Area = - 2.49e-3 * Conc^2 + 0.805 * Conc - 0.251
Conc = 5.84e-3 * Area^2 + 1.24 * Area + 0.313
Correlation Coefficient (r) = 0.99998

Weighting : None

Author: wetchem

Date : 12/8/2025

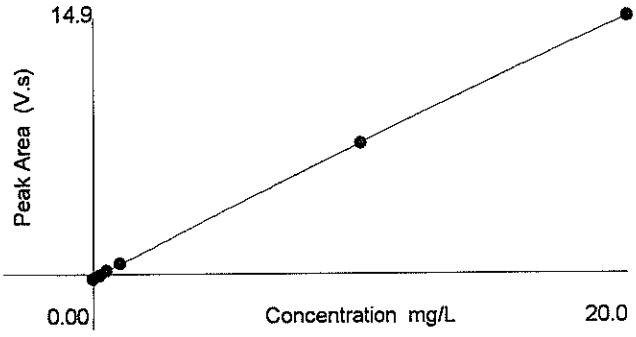
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Current Run Author's Signature: [wetchem]
Description: Default New Run

Sample	Channel 1 TKN Conc. (mg/L)	Area (V.s)	Height (V)	Detection Time	MDF
CCV	9.00	6.79	0.525	12/8/2025@1:16:32 PM	
Known Conc:	10.0				
Calibration:	Table/Fig. : 1				
CCB	-0.242	-0.450	-0.0285	12/8/2025@1:17:39 PM	
Known Conc:	0.00				

Table : 1 (TKN)

	Known Conc. (mg/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg/L)	Detection Date	Detection Time
1	20.0	1	14.9	0.958	0.0	0.0	20.0	12/8/2025	11:59:23 AM
2	10.0	1	7.54	0.481	0.0	0.2	9.98	12/8/2025	12:00:27 PM
3	1.00	1	0.600	0.0365	0.0	-8.8	1.06	12/8/2025	12:01:33 PM
4	0.500	1	0.192	0.0128	0.0	-27.2	0.551	12/8/2025	12:02:39 PM
5	0.250	1	-0.0876	-5.21e-3	0.0	-74.5	0.205	12/8/2025	12:03:44 PM
6	0.00	1	-0.295	-0.0178			-0.0515	12/8/2025	12:04:50 PM

Figure : 1 (TKN)



Area = - 2.49e-3 * Conc^2 + 0.805 * Conc - 0.251
Conc = 5.84e-3 * Area^2 + 1.24 * Area + 0.313
Correlation Coefficient (r) = 0.99998

Weighting : None

Basic RSE calculator

Instructions

1 Enter the curve type in cell B 17 (type 1, 2, or 3 - Average not permitted for Wetchem!)
2 Enter your true concentrations of your calibration standards in cells A20 to A 27 (up to 8 point calibration is supported)
3 Enter the measured results for your calibration standards in cells B20 to B27
4 Percent error for each point is given in cells H20 to H27
5 RSE is given in cell D31

Edit cells in green highlight only

Number of points 5

Number of terms 3 Number of terms - 1 for average, 2 for linear, 3 for quadratic

True value	Measured value	percent error	
20	20	0.00%	0
10	9.98	0.20%	2E-06
1	1.06	6.00%	0.0018
0.5	0.551	10.20%	0.005202
0.25	0.205	18.00%	0.0162
		#DIV/0!	0
		#DIV/0!	0
		#DIV/0!	0

Sum 0.023204000

0.1523

RSE 15.23%

SGS NORTH AMERICA, INC. - SCARBOROUGH

TPO4 DIGESTIONS EPA 365.4 / TKN DIGESTIONS EPA 351.2

TPO4				TKN			
PQL: 0.10 mg/L				PQL: 0.25 mg/L			
Standard	True Value (mg/L)	Source Std. ID	Source Std. Spike Amount (mL)	Standard	True Value (mg/L)	Source Std. ID	Source Std. Spike Amount (mL)
STD. 1	2.0		1.0	STD. 1	20.0		5.0
STD. 2 / CCV	1.0		0.50	STD. 2 / CCV	10.0	W23761	2.5
STD. 3	0.5	CF 12/8/25	0.25	STD. 3	1.0		0.25
STD. 4	0.25		0.125	STD. 4	0.5		0.125
STD. 5	0.1		0.050	STD. 5	0.25		0.0625
LCS	0.5		0.038	LCS	5.0	W23760	0.25
MS	0.5		0.038	MS	5.0	"	0.25

Digestion Solution ID: W24088	Amount Added TPO4: 5 mL	Amount Added TKN: 10 mL	
Surfactant Lot ID: SWL5212	BLOCK ID: VELPOK	Boiling Chips ID: SWL5258	
Balance ID:	Pipette ID: W74, W26, W31	Sand ID:	
Start Temp: 21.4°C	Mid-Point Temp & Time: 1:17	End Temp: 37.9°C	

Lab Sample ID	Initial Sample Amount (mL or g)	Final Volume (mL)	TPO4 ✓	TKN ✓	SRF ✓	Comments
CCV	25	25		✓	✓	
CCB				✓	✓	
Blank				✓	✓	
LCS				✓	✓	
LCSD				✓	✓	
SS7112-1				✓	✓	
-2				✓	✓	
-3				✓	✓	
SS7145-1				✓	✓	
Dup				✓	✓	
MS				✓	✓	
SS7145-2				✓	✓	
MS				✓	✓	
SS7145-3				✓	✓	
-4				✓	✓	
-5				✓	✓	
-6				✓	✓	
-7				✓	✓	
-8				✓	✓	
-9				✓	✓	
-10				✓	✓	

ANALYST: CF	TIME IN: 8:15
DATE: 12/8/25	TIME OUT: 11:23
REVIEWED BY: TAD	DATE: 12/8/25

see previous page

SGS NORTH AMERICA, INC. - SCARBOROUGH

TPO4 DIGESTIONS EPA 365.4 / TKN DIGESTIONS EPA 351.2

TPO4				TKN			
PQL: 0.10 mg/L				PQL: 0.25 mg/L			
Standard	True Value (mg/L)	Source Std. ID	Source Std. Spike Amount (mL)	Standard	True Value (mg/L)	Source Std. ID	Source Std. Spike Amount (mL)
STD. 1	2.0		1.0	STD. 1	20.0	CF 12/8/25	5.0
STD. 2 / CCV	1.0		0.50	STD. 2 / CCV	10.0		2.5
STD. 3	0.5		0.25	STD. 3	1.0		0.25
STD. 4	0.25		0.125	STD. 4	0.5		0.125
STD. 5	0.1		0.050	STD. 5	0.25		0.0625
LCS	0.5		0.038	LCS	5.0		0.25
MS	0.5		0.038	MS	5.0		0.25

Digestion Solution ID:	Amount Added TPO4: 5 mL	Amount Added TKN: 10 mL
Surfactant Lot ID:	BLOCK ID:	Boiling Chips ID:
Balance ID:	Pipette ID:	Sand ID:
Start Temp:	Mid-Point Temp & Time:	End Temp:

Lab Sample ID	Initial Sample Amount (mL or g)	Final Volume (mL)	TPO4 ✓	TKN ✓	SRF ✓	Comments
SS7145-1	25	25		✓	✓	
SS7214-1				✓	✓	
SS7236-1				✓	✓	
1 -2				✓	✓	
SS7216-2				✓	✓	
	CF 12/8/25					

ANALYST: CF	TIME IN: 8:15
DATE: 12/8/25	TIME OUT: 11:23
REVIEWED BY: RAD	DATE: 12/8/25

WET CHEMISTRY BATCH REPORT
Dec 11 2025, 11:40 am
Batch: WG381072 Run ID 1: R678338 Run ID 2: NONE

Parameter: Phenolics, Total Recoverable

Prep Date: 09-DEC-25

Date Analyzed: 10-DEC-25

Prep Method: EPA 420.1

Analyst Initials: RAD/EKP

Prep Chemist: RAD

Sample	Samp Type	Method	Initial Amt.	Final Amt.	Rpt. DF	Result	Rpt Result	TS(%)	PQL	MDL	Adj PQL	RPD	%Rec
SS7145-1	SAMP	EPA 420.1	206.00mL	232.00mL	2.2	10	J10. ug/L	NA	5	2.6	11.		
SS7145-2	SAMP	EPA 420.1	235.00mL	236.00mL	2	9.4	J9.4 ug/L	NA	5	2.4	10.		
SS7145-3	SAMP	EPA 420.1	250.00mL	263.00mL	2.1	8.8	J8.8 ug/L	NA	5	2.5	10.		
SS7145-4	SAMP	EPA 420.1	250.00mL	255.00mL	2	8	J8.0 ug/L	NA	5	2.4	10.		
SS7145-5	SAMP	EPA 420.1	250.00mL	273.00mL	2.2	8	J8.0 ug/L	NA	5	2.6	11.		
SS7145-6	SAMP	EPA 420.1	250.00mL	242.00mL	1.9	8.6	J8.6 ug/L	NA	5	2.3	9.5		
SS7145-7	SAMP	EPA 420.1	250.00mL	253.00mL	2	9	J9.0 ug/L	NA	5	2.4	10.0		
SS7145-8	SAMP	EPA 420.1	250.00mL	271.00mL	2.2	9.1	J9.1 ug/L	NA	5	2.6	11.		
SS7145-9	SAMP	EPA 420.1	250.00mL	225.00mL	1.8	8	J8.0 ug/L	NA	5	2.1	9.0		
SS7145-10	SAMP	EPA 420.1	250.00mL	248.00mL	2	9.3	J9.3 ug/L	NA	5	2.4	10.		
SS7145-11	SAMP	EPA 420.1	250.00mL	269.00mL	2.2	8.5	J8.5 ug/L	NA	5	2.6	11.		
WG381072-1	MBLANK	EPA 420.1	500mL	495mL	.99	3.9	U5 ug/L	NA	5	1.19	5		
WG381072-2	LCS	EPA 420.1	500mL	497mL	.99	56.7	57. ug/L	NA	5	1.19	5		94
WG381072-3	LCSD	EPA 420.1	500mL	555mL	1.1	59.4	59. ug/L	NA	5	1.3	5.5	5	99

Comments:

WG381072-1	SS7145-1
WG381072-2	SS7145-1
WG381072-3	SS7145-1

Entered by: RAD Date: 12/10/25 Accepted by: CA Date: 12/11/25

PHENOLICS, TOTAL RECOVERABLE

Colorimetric (Manual 4-AAP)

CALIBRATION INFORMATION

Cal. Anal. Date: 12/10/2025

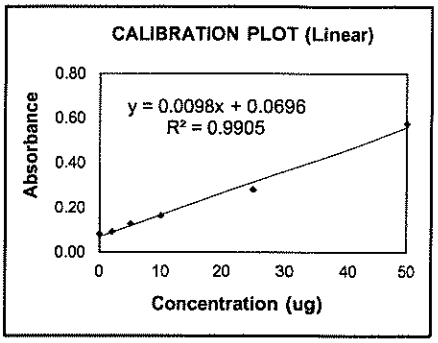
Calib. Analyst: RAD

Stock Std. ID: 121125-CCVB

Stock Std. Conc. (ug/mL): 1

Standard Name	Vol. Stock Added (ml)	Extract Vol. (mL)	Std. Conc. (ug)	Abs. @ 460 nm	Calc. Conc. (ug)
Calib. Blank	0.000	400	0.0	0.081	1.162
Std. 1	2.000	400	2.0	0.091	2.184
Std. 2	5.000	400	5.0	0.127	5.863
Std. 3	10.000	400	10.0	0.163	9.542
Std. 4	25.000	400	25.0	0.280	21.499
Std. 5	50.000	400	50.0	0.576	51.748
Std. 6		400			-7.115

No. of points:	6
Corr. Coeff. (R):	0.995245575
Slope (m):	0.009785353
Intercept (b):	0.069624593
%RSE:	14.3
Points for RSE	5



SAMPLE ANALYSIS

Analysis Date: 12/10/2025

Analyst: RAD/EKP

CCV Stock Std. ID / Conc. (mg/L): 121025-CCVB / 1

LCS Stock Std. ID / Conc. (mg/L): 121025-LCS / 30

Sample ID	Sample Type	Sample Vol.(mL)	Distillate Vol.(mL)	Extract Vol.(mL)	Abs. @ 460 nm	SpikeAdded (ug/L)	Conc in IV (ug/L)	Reported Conc (ug)	Rcvy (%)	DUP RPD (%)
CCV	CCV	400.000	400.000	400	0.162	25.0	23.6	9.4	94.4%	
CCB		400.000	400.000	400	0.075		1.4	0.5		
BLANK		500.000	495.000	400	0.085		3.9	1.6		
LCS	LCS	500.000	497.000	400	0.293	60.0	56.7	22.8	94.5%	
LCSD	LCS	500.000	555.000	400	0.279	60.0	59.4	21.4	99.0%	
SS7145-1		206.000	232.000	200	0.087		10.0	1.8		
SS7145-2		235.000	236.000	200	0.088		9.4	1.9		
SS7145-3		250.000	263.000	200	0.086		8.8	1.7		
SS7145-4		250.000	255.000	200	0.085		8.0	1.6		
SS7145-5		250.000	273.500	200	0.084		8.0	1.5		
SS7145-6		250.000	242.000	200	0.087		8.6	1.8		
SS7145-7		250.000	253.000	200	0.087		9.0	1.8		
CCV	CCV	400.000	400.000	400	0.174	25.0	26.7	10.7	106.7%	
CCB		400.000	400.000	400	0.081		2.9	1.2		
SS7145-8		250.000	271.000	200	0.086		9.1	1.7		
SS7145-9		250.000	225.000	200	0.087		8.0	1.8		
SS7145-10		250.000	248.000	200	0.088		9.3	1.9		
SS7145-11		250.000	269.000	200	0.085		8.5	1.6		
CCV	CCV	400.000	400.000	400	0.174	25.0	26.7	10.7	106.7%	
CCB		400.000	400.000	400	0.081		2.9	1.2		
							#DIV/0!	-7.1		
							#DIV/0!	-7.1		
							#DIV/0!	-7.1		
							#DIV/0!	-7.1		
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							#DIV/0!	-7.1		
							#DIV/0!	-7.1		
							#DIV/0!	-7.1		
							#DIV/0!	-7.1		

Comments:

ug Phenol / L = (ug phenol / extract vol. mL) * (dist. vol. mL / sample vol. mL) * 1000

KATAHDIN ANALYTICAL SERVICES

PHENOLICS, TOTAL RECOVERABLE

Method (Check One): EPA 420.1 SW846 9065 PQL: 5.0 ug/L

RAD 12/11/25 1209-121025 REAGENTS:

STD A (10 ug/mL): ~~D52025~~ - CCVA

STD B (1 ug/mL): 121025-CCVB

PHENOL STOCK STD (1000 mg/L): CCV: SWL5321 LCS: SWL5316

ICV/SPK STOCK STD (30 ug/mL): 120925-LCS 0.081 RAD 12/10/25

CALIBRANT ID	VOL STD B mL	CALIBRANT ug	EXTRACT VOL(mls)	ABS @460 nm
BLANK	0.00	0.00	400	~~0.076~~
#1	2.00	2.00	400	0.091
#2	5.00	5.00	400	0.127
#3	10.00	10.00	400	0.163
#4	25.00	25.00	400	0.280
#5	50.00	50.00	400	0.576

Standard	ID
Buffer Sol'n:	W24168
4-AAAP:	W24169
$K_3Fe(CN)_6$:	W24170
Chloroform:	SWL5313
Copper Sulfate:	W24163
Boiling Stones:	SWL5258
Glass Beads:	SWL5034

Sample No.	Analysis Time	pH = 4.0?	SAMPLE VOL (mLs)	DIST VOL (mLs)	EXT VOL (mLs)	ABS @ 460 nm
CCV	14:45	✓	—	—	—	0.162
CCB		✓	—	—	—	0.075
Blank		✓	500	495	400	0.085
LCS		✓		497	400	0.293
LCSD		✓		555	400	0.279
SS7145-1	15:33	✓	206	232	200	0.087
-2		✓	235	236	200	0.088
-3		✓	250	263	200	0.086
-4		✓	250	255	200	0.085
-5		✓	250	273.5	200	0.084
-6		✓	250	242	200	0.087
-7		✓	250	253	200	0.087
CCV	16:40	✓	—	—	—	0.174
CCB		✓	—	—	—	0.081
7145-8		✓	250	271	200	0.086
-9		✓	250	225	200	0.087
-10		✓	250	248	200	0.088
-11		✓	250	269	200	0.085
CCV		✓	—	—	—	0.174

NOTES: Half volume was distilled due to limited sample volume available.

WG381072 → R678338

DISTILLED ANALYST: RAD DATE: 12/9/25

ANALYSIS ANALYST: RAD / EKP DATE: 12/10/25

CHECKED BY: CA DATE: 12/11/25

see previous page

KATAHDIN ANALYTICAL SERVICES

PHENOLICS, TOTAL RECOVERABLE

Method (Check One):	EPA 420.1	SW846 9065	PQL: 5.0 ug/L

~~REAGENTS:~~

STD A (10 ug/mL):

STD B (1 ug/mL):

PHENOL STOCK STD (1000 mg/L):

ICV/SPK STOCK STD (30 ug/mL):

CALIBRANT ID	VOL STD B mL	CALIBRANT ug	EXTRACT VOL(mls)	ABS @460 nm
BLANK	0.00	~~0.00~~	400	
#1	2.00	2.00	400	
#2	~~5.00~~	5.00	400	RAD
#3	10.00	10.00	400	12/11/25
#4	~~25.00~~	~~25.00~~	~~400~~	
#5	50.00	50.00	400	

Standard	ID
Buffer Sol'n:	
4-AAAP:	
$K_3Fe(CN)_6$:	
Chloroform:	
Copper Sulfate:	
~~Boiling Stones:~~	

Sample No.	Analysis Time	pH = 4.0?	SAMPLE VOL (mLs)	DIST VOL (mLs)	EXT VOL (mLs)	ABS @ 460 nm
CCB	16:40	✓	—	—	—	0.081
					RAD	12/11/25

NOTES:

DISTILLED ANALYST: RAD	**DATE:** 12/9/25
ANALYSIS ANALYST: RAD/EKP	**DATE:** 12/10/25
CHECKED BY: CA	**DATE:** 12/11/25

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Project:	Griffiss Air Force Base, BECOS
Event:	2024 Griffiss Landfill
SDG:	SS7145
Guidance Document:	Final Basewide Uniform Federal Policy Quality Assurance Project Plan, Long Term Monitoring, Former Griffiss Air Force Base, Rome, New York, April 2022
Prime Contractor:	Bhate Environmental Associates, Inc., Birmingham, AL
Project Manager:	Kim Nemmers
Contract Laboratory(ies):	SGS North America, Inc., Scarborough, ME
Data Review Contractor:	Synectics, Sacramento, CA
Data Review Level:	S2BVEM
Primary Data Reviewer:	Abbigail Corwen, Data Validation Chemist
Second Reviewer:	Kathryn Cantone, Senior Scientist
Date Submitted:	January 21, 2026

Field Sample ID	Lab Sample ID	Matrix	Type/Type Code	E351.2	E420.4
LF5MW-100R_1125	SS7145-5	Water	Field Sample/N	X	X
LF5MW-3_1125	SS7145-1	Water	Field Sample/N	X	X
LF5MW-3_1125-A	SS7145-2	Water	Field Duplicate/FD	X	X
LF5MW-5_1125	SS7145-4	Water	Field Sample/N	X	X
LF5SW-1_1125	SS7145-6	Water	Field Sample/N	X	X
LF5SW-2_1125	SS7145-7	Water	Field Sample/N	X	X
LF5SW-3_1125	SS7145-8	Water	Field Sample/N	X	X
LF7MW-22_1125	SS7145-9	Water	Field Sample/N	X	X
LF7MW-26_1125	SS7145-10	Water	Field Sample/N	X	X
LF7MW-30_1125	SS7145-11	Water	Field Sample/N	X	X
MW49D07_1125	SS7145-3	Water	Field Sample/N	X	X

This report assesses the analytical data quality associated with the analyses listed on the preceding cover page at S2BVEM data validation level. This assessment has been made through a combination of automated data review (ADR) and supplemental manual review, the details of which are described below. The approach taken in the review of this data set is consistent with the requirements contained in the Final Basewide Uniform Federal Policy Quality Assurance Project Plan, Long Term Monitoring, Former Griffiss Air Force Base, Rome, New York, April 2022 and the additional guidance documents incorporated by reference to the extent possible. Where definitive guidance is not provided, results have been evaluated in a conservative manner using professional judgment.

Sample collection was managed and directed by Bhate Environmental Associates, Inc., Birmingham, AL; analyses were performed by SGS North America, Inc., Scarborough, ME and were reported under sample delivery group (SDG) SS7145. Data have been evaluated electronically based on electronic data deliverables (EDDs) provided by the laboratory, and hard copy data summary forms have also been reviewed during this effort and compared to the automated review output by the reviewers whose signatures appear on the following page. Findings based on the automated data submission and manual data verification processes are detailed in the ADR narrative and throughout this report.

All quality control (QC) elements associated with this SDG have been reviewed by a project chemist in accordance with the requirements defined for the project. This review is documented in the attached Data Review Checklists. The QC elements listed below were supported by the electronic deliverable and were evaluated using ADR processes.

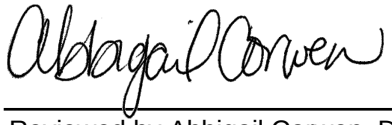
- Field Duplicate RPD
- Lab Blank
- Lab Replicate RPD
- LCS Recovery
- LCS RPD
- MS Recovery
- Prep Hold Time
- Test Hold Time

Results of the ADR process were subsequently reviewed and updated as applicable by the data review chemists identified on the signature page. Quality control elements that were not included in the electronic deliverable were reviewed manually and findings are documented within this report. Summaries of findings and associated qualified results are documented throughout this report.

A total of 22 results (100.00%) out of the 22 results (sample and field QC samples) reported are qualified based on review and 0 results (0.00%) have been rejected or deemed a serious deficiency (X qualifier). Trace values, defined as results that are qualified as estimated because they fall between the detection limit and the reporting limit/limit of quantitation, are not counted as qualified results in the above count. The qualified results are detailed throughout this report and discussed in the narrative below, where appropriate.

Data Validation Comments

Analytical Method	Data Reviewer Comment
E351.2	No additional comments; see Checklist for detail.
E420.4	No additional comments; see Checklist for detail.



January 21, 2026

Reviewed by Abbigail Corwen, Data Validation Chemist,
Synectics, Sacramento, CA

As the First Reviewer, I certify that I have performed a data review process in accordance with the requirements of the project guidance document, and have compared the electronic data to the laboratory's hard copy report and have verified the consistency of the reported sample results and method quality control data between the two deliverables.



Reviewed by Kathryn Cantone, Senior Scientist, Synectics,
Sacramento, CA

January 21, 2026

As the Second Reviewer, I certify that I have performed a quality assurance review of the report generated by the First Reviewer.

Quality Control Outliers for test method E351.2, Lab Replicate RPD

The objective of duplicate sample (LR) analysis is to demonstrate acceptable method precision by the laboratory at the time of analysis. Duplicate analyses are also performed to generate data that determines the long-term precision of the analytical method on various matrices. Non-homogenous samples can impact the apparent method precision. Summary forms were evaluated and compared to electronic data deliverables. Laboratory duplicate results that were outside of the acceptance criteria are listed below.

Sample ID/ Lab Sample ID	Analyte	Result	Control Limits	Reject Limits	Units	Qualifier	Reason Code	Comment
LF5MW-3_1125 (LR) WG380908-4	Total Kjeldahl Nitrogen	24	< 20.0	< 20.0	rpd	J/UJ	D1	

Where two qualifiers are listed, such as 'J/UJ', the first applies to positive results, and the second to non-detect results.
Upper and Lower Warning and Control Limits are abbreviated UWL, LWL, UCL, and LCL in the Comment field.

*Rejection limits may pertain to data that is excluded and "X" or "R" qualifier or data that is qualified with another flag, as reflected in the QC Elements report under Reports, Environmental Setup reports.

Qualified Results associated with the Lab Replicate RPD for E351.2

FieldSample ID	Type	Analyte	LOQ	Lab Result	Qualified Result	Bias	Units	Reason
LF5MW-3_1125 SS7145-1	N	Total Kjeldahl Nitrogen	0.250	1.10	1.10 J	+	mg/l	D1/M/P
LF5MW-3_1125-A SS7145-2	FD	Total Kjeldahl Nitrogen	0.250	0.970	0.970 J	+	mg/l	D1/M/P

Analytes not found in project samples are reported as not detected at the limit of detection (LOD) unless blank contamination occurs and then the sample may be reported as not detected at the (LOD) or (LOQ) based on the sample concentration and the validation guidance.
In instances where no LOD is provided, results are reported down to the LOQ.

Quality Control Outliers for test method E351.2, MS Recovery

Data for matrix spikes/matrix spike duplicates (MS/MSD) are generated to determine long-term precision and accuracy of the analytical method on various matrices and to demonstrate acceptable compound recovery by the laboratory at the time of sample analysis. These data alone cannot be used to evaluate the precision and accuracy of individual samples. However, when exercising professional judgment, MS/MSD data can be used in conjunction with other available QC information. Reported results were evaluated to determine compliance with the required acceptance criteria, and summary forms were evaluated and compared to electronic data deliverables. Findings of this review, and any associated qualified results, are listed below.

Sample ID/ Lab Sample ID	Analyte	Result	Control Limits	Reject Limits	Units	Qualifier	Reason Code	Comment
LF5MW-3_1125 (MS) WG380908-5	Total Kjeldahl Nitrogen	148	90 - 110	90 - 110	percent	J/None	M	
LF5MW-3_1125-A (MS) WG380908-6	Total Kjeldahl Nitrogen	140	90 - 110	90 - 110	percent	J/None	M	Parent not found

Where two qualifiers are listed, such as 'J/UJ', the first applies to positive results, and the second to non-detect results.
Upper and Lower Warning and Control Limits are abbreviated UWL, LWL, UCL, and LCL in the Comment field.

*Rejection limits may pertain to data that is excluded and "X" or "R" qualifier or data that is qualified with another flag, as reflected in the QC Elements report under Reports, Environmental Setup reports.

Qualified Results associated with the MS Recovery for E351.2

FieldSample ID	Type	Analyte	LOQ	Lab Result	Qualified Result	Bias	Units	Reason
LF5MW-3_1125 SS7145-1	N	Total Kjeldahl Nitrogen	0.250	1.10	1.10 J	+	mg/l	D1/M/P
LF5MW-3_1125-A SS7145-2	FD	Total Kjeldahl Nitrogen	0.250	0.970	0.970 J	+	mg/l	D1/M/P

Analytes not found in project samples are reported as not detected at the limit of detection (LOD) unless blank contamination occurs and then the sample may be reported as not detected at the (LOD) or (LOQ) based on the sample concentration and the validation guidance.
In instances where no LOD is provided, results are reported down to the LOQ.

Table of All Qualified Results

Test Method: E351.2		**Extraction Method: METHOD**							
FieldSample ID / LabSample ID	Type	Analyte	LOQ	LOD	DL	Lab Result	Qualified Result	Units	Reason
LF5MW-100R_1125 SS7145-5	N	Total Kjeldahl Nitrogen	1.20	1.00	0.540	32.0	32.0 J	mg/l	P
LF5MW-3_1125 SS7145-1	N	Total Kjeldahl Nitrogen	0.250	0.200	0.110	1.10	1.10 J+	mg/l	D1/M/P
LF5MW-3_1125-A SS7145-2	FD	Total Kjeldahl Nitrogen	0.250	0.200	0.110	0.970	0.970 J+	mg/l	D1/M/P
LF5MW-5_1125 SS7145-4	N	Total Kjeldahl Nitrogen	0.250	0.200	0.110	1.50	1.50 J	mg/l	P
LF5SW-1_1125 SS7145-6	N	Total Kjeldahl Nitrogen	0.250	0.200	0.110	0.180 J	0.180 J	mg/l	TR/P
LF5SW-2_1125 SS7145-7	N	Total Kjeldahl Nitrogen	0.250	0.200	0.110	0.470	0.470 J	mg/l	P
LF5SW-3_1125 SS7145-8	N	Total Kjeldahl Nitrogen	0.250	0.200	0.110	0.670	0.670 J	mg/l	P
LF7MW-22_1125 SS7145-9	N	Total Kjeldahl Nitrogen	0.250	0.200	0.110	0.780	0.780 J	mg/l	P
LF7MW-26_1125 SS7145-10	N	Total Kjeldahl Nitrogen	0.250	0.200	0.110	0.200 U	0.200 UJ	mg/l	P
LF7MW-30_1125 SS7145-11	N	Total Kjeldahl Nitrogen	0.250	0.200	0.110	0.230 J	0.230 J	mg/l	TR/P
MW49D07_1125 SS7145-3	N	Total Kjeldahl Nitrogen	0.250	0.200	0.110	0.150 J	0.150 J	mg/l	TR/P

Test Method: E420.4		**Extraction Method: METHOD**							
FieldSample ID / LabSample ID	Type	Analyte	LOQ	LOD	DL	Lab Result	Qualified Result	Units	Reason
LF5MW-100R_1125 SS7145-5	N	Phenolics, Total Recoverable	0.0110	0.00660	0.00260	0.00800 J	0.00800 J	mg/l	TR/P
LF5MW-3_1125 SS7145-1	N	Phenolics, Total Recoverable	0.0110	0.00660	0.00260	0.0100 J	0.0100 J	mg/l	TR/P
LF5MW-3_1125-A SS7145-2	FD	Phenolics, Total Recoverable	0.0100	0.00600	0.00240	0.00940 J	0.00940 J	mg/l	TR/P
LF5MW-5_1125 SS7145-4	N	Phenolics, Total Recoverable	0.0100	0.00600	0.00240	0.00800 J	0.00800 J	mg/l	TR/P
LF5SW-1_1125 SS7145-6	N	Phenolics, Total Recoverable	0.00950	0.00570	0.00230	0.00860 J	0.00860 J	mg/l	TR/P
LF5SW-2_1125 SS7145-7	N	Phenolics, Total Recoverable	0.0100	0.00600	0.00240	0.00900 J	0.00900 J	mg/l	TR/P
LF5SW-3_1125 SS7145-8	N	Phenolics, Total Recoverable	0.0110	0.00660	0.00260	0.00910 J	0.00910 J	mg/l	TR/P
LF7MW-22_1125 SS7145-9	N	Phenolics, Total Recoverable	0.00900	0.00540	0.00210	0.00800 J	0.00800 J	mg/l	TR/P
LF7MW-26_1125 SS7145-10	N	Phenolics, Total Recoverable	0.0100	0.00600	0.00240	0.00930 J	0.00930 J	mg/l	TR/P
LF7MW-30_1125 SS7145-11	N	Phenolics, Total Recoverable	0.0110	0.00660	0.00260	0.00850 J	0.00850 J	mg/l	TR/P
MW49D07_1125 SS7145-3	N	Phenolics, Total Recoverable	0.0100	0.00630	0.00250	0.00880 J	0.00880 J	mg/l	TR/P

Analytes not found in project samples are reported as not detected at the limit of detection (LOD) unless blank contamination occurs and then the sample may be reported as not detected at the (LOQ) based on the sample concentration.
In instances where no LOD is provided, results are reported down to the LOQ.
Trace values are not included in the qualified results table unless additional reason codes are associated.

Reason Code Definitions

Code	Definition
D1	Lab Replicate RPD
M	MS Recovery
P	Sample preservation/collection requirement not met.
TR	Trace Level Detect

Flag Code and Definitions

Flag	Definition
J	Estimated Value
U	Undetected: The analyte was analyzed for, but not detected.
UJ	The analyte was not detected; however, the result is estimated due to discrepancies in meeting certain analyte-specific quality control criteria.

Bias

-	The result may be biased low
+	The result may be biased high

Note - The bias field is a separate field; however, it is an integral part of the final flag (qualifier) on the sample result

Sample Types

SACODE	Definition
BD	Blank Spike Duplicate
BS	Blank Spike
FD	Field Duplicate
LB	Laboratory Blank
LR	Laboratory Replicate
MS	Matrix Spike
N	Normal

Review Questions

Method: E351.2 (Nitrogen, Kjeldahl, Total (Colorimetric, Semi-Automated Block Digester, AAII))

Review Questions	Yes	No	NA	Comment
Were the samples received without discrepancies between the samples and the COC?	•			
Were the samples received without discrepancies between the sample labels and the COC?	•			
Were samples relinquished properly on the COC?	•			
Were all samples properly preserved?	•			
Were sampling dates/times, date and time of laboratory receipt of samples, and sample conditions upon receipt at the laboratory (including preservation, pH, and temperature) documented?		•		The laboratory noted that the cooler was received outside of temperature (6.7 deg C). The sample results were qualified J/UJ with a P reason code.
Were sample results reported with percent moisture correction if required?			•	
Were analytical methods performed and analysis dates present?	•			
Were all requested target analytes reported?	•			
Were QAPP specified Project Quantitation Limit Goals achieved? (The laboratory LOQ is compared to the QAPP Project Quantitation Goal)	•			
Were holding times met?	•			
Were trip blanks analyzed at the proper frequency and in control?			•	
Were field blanks analyzed at the proper frequency and in control?			•	
Were equipment blanks analyzed at the proper frequency and in control?			•	
Was a method blank prepared and analyzed with each batch?	•			
Were target analytes in the method blank less than DL?	•			
Was an LCS/LCSD pair prepared and analyzed with each batch?	•			
Were LCS/LCSD recoveries within project acceptance limits?	•			
Was the LCS/LCSD RPD within project acceptance limits?	•			
Was a MS/MSD pair prepared with each batch?	•			MS only.
Were MS/MSD recoveries within project acceptance limits?		•		See QC outliers.
Was the MS/MSD RPD within project acceptance limits?			•	
Were Post Spike (PS) recoveries within project acceptance limits?			•	
If ISM ws used for sample collection, were laboratory triplicates analyzed and within project acceptance limits?			•	
Were field replicates (duplicates, triplicates, etc.) analyzed at the proper frequency and in control?		•		See QC outliers.
Were reported sample concentrations within calibration range?	•			
Was the Calibration within project acceptance criteria?	•			
Was a ICV performed after each ICAL prior to sample analysis and within project acceptance criteria?	•			
Were CCVs run at the required frequency and within project acceptance criteria?	•			
Were ICB/CCBs run at the required frequency?	•			
Were target analytes in the ICBs/CCBs non-detect?	•			
Was a Low Level Calibration Check Verification (LLCCV) analyzed prior to sample and within acceptance criteria?			•	
Were instrument run logs present and filled out appropriately?	•			
Were sample preparation sheets present and filled out appropriately?	•			

Review Questions

Method: E351.2 (Nitrogen, Kjeldahl, Total (Colorimetric, Semi-Automated Block Digester, AAII))

Review Questions	Yes	No	NA	Comment
Have all Laboratory Case Narrative comments/findings been addressed in the data review process?	•			
Were DoD QSM corrective actions followed if deviations were noted?			•	
Were any data recommended for exclusion in the data validation process?		•		

Review Questions

Method: E420.4 (Determination of Total Recoverable Phenolics by Semi-Automated Colorimetry)

Review Questions	Yes	No	NA	Comment
Were the samples received without discrepancies between the samples and the COC?	•			
Were the samples received without discrepancies between the sample labels and the COC?	•			
Were samples relinquished properly on the COC?	•			
Were all samples properly preserved?	•			
Were sampling dates/times, date and time of laboratory receipt of samples, and sample conditions upon receipt at the laboratory (including preservation, pH, and temperature) documented?		•		The laboratory noted that the cooler was received outside of temperature (6.7 deg C). The sample results were qualified J/UJ with a P reason code.
Were sample results reported with percent moisture correction if required?			•	
Were analytical methods performed and analysis dates present?	•			
Were all requested target analytes reported?	•			
Were QAPP specified Project Quantitation Limit Goals achieved? (The laboratory LOQ is compared to the QAPP Project Quantitation Goal)	•			
Were holding times met?	•			
Were trip blanks analyzed at the proper frequency and in control?			•	
Were field blanks analyzed at the proper frequency and in control?			•	
Were equipment blanks analyzed at the proper frequency and in control?			•	
Was a method blank prepared and analyzed with each batch?	•			
Were target analytes in the method blank less than DL?	•			
Was an LCS/LCSD pair prepared and analyzed with each batch?	•			
Were LCS/LCSD recoveries within project acceptance limits?	•			
Was the LCS/LCSD RPD within project acceptance limits?	•			
Was a MS/MSD pair prepared with each batch?			•	No SDG specific MS/MSD provided
Were MS/MSD recoveries within project acceptance limits?			•	
Was the MS/MSD RPD within project acceptance limits?			•	
Were Post Spike (PS) recoveries within project acceptance limits?			•	
If ISM ws used for sample collection, were laboratory triplicates analyzed and within project acceptance limits?			•	
Were field replicates (duplicates, triplicates, etc.) analyzed at the proper frequency and in control?	•			
Were reported sample concentrations within calibration range?	•			
Was the Calibration within project acceptance criteria?	•			
Was a ICV performed after each ICAL prior to sample analysis and within project acceptance criteria?	•			
Were CCVs run at the required frequency and within project acceptance criteria?	•			
Were ICB/CCBs run at the required frequency?	•			
Were target analytes in the ICBs/CCBs non-detect?	•			
Was a Low Level Calibration Check Verification (LLCCV) analyzed prior to sample and within acceptance criteria?			•	
Were instrument run logs present and filled out appropriately?	•			
Were sample preparation sheets present and filled out appropriately?	•			

Review Questions

Method: E420.4 (Determination of Total Recoverable Phenolics by Semi-Automated Colorimetry)

Review Questions	Yes	No	NA	Comment
Have all Laboratory Case Narrative comments/findings been addressed in the data review process?	•			
Were DoD QSM corrective actions followed if deviations were noted?			•	
Were any data recommended for exclusion in the data validation process?		•		

APPENDIX A – HISTORICAL LANDFILL GAS MONITORING RESULTS

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Appendix A-1 LF001 (Landfill 1 AOC) Landfill Gas Monitoring Results (2010-2025)

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Appendix A-1
LF001 (Landfill 1 AOC) Landfill Gas Monitoring Results (2010-2025)
Former Griffiss Air Force Base
Rome, New York

	February 2010				May 2010			
	Barometric Pressure (in.) = 29.45-29.50				Barometric Pressure (in.) = 29.04-29.23			
Sample Location	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
LF1GMP-02	0	0.0	14.4	2.1	>100	8.1	0.0	12.8
LF1GMP-03	>100	5.7	8.1	8.1	>100	18.2	0.0	22.1
LF1GMP-04	10	0.5	14.3	4.5	>100	17.6	0.0	24.2
LF1GMP-06	>100	70.8	0.0	4.3	>100	44.8	0.0	6.3
LF1GMP-08	0	0.0	20.5	1.1	0	0.0	16.3	2.5
LF1GMP-09	47	2.4	7.7	4.0	>100	11.2	0.0	12.5
LF1GMP-10	>100	9.0	6.8	10.7	>100	10.2	0.5	15.1
LF1GMP-11	0	0.0	23.8	0.1	0	0.0	16.1	2.3
LF1GMP-12	0	0.0	21.4	1.5	0	0.0	18.5	1.5
LF1GMP-13	0	0.0	18.1	1.3	0	0.0	15.1	2.2
LF1GMP-14	0	0.0	21.6	0.6	0	0.0	19.0	0.5
LF1GMP-15	0	0.0	22.3	0.1	0	0.0	19.2	0.5
LF1GMP-16	0	0.0	19.9	1.5	0	0.0	19.1	1.6
LF1GMP-17	0	0.0	19.6	1.5	0	0.0	19.4	1.5
LF1GMP-18	0	0.0	22.0	0.1	0	0.0	19.6	0.2
LF1GMP-19	0	0.0	22.0	0.3	0	0.0	18.6	0.7
LF1GMP-20	2	0.1	22.7	0.1	0	0.0	19.6	0.0
LF1GV-01	0	0.0	22.1	0.2	>100	8.0	13.6	8.1
LF1GV-02	2	0.1	21.3	0.5	>100	7.6	12.5	9.8
LF1GV-03	3	0.1	21.0	0.7	>100	5.4	14.0	6.8
LF1GV-04	0	0.0	22.0	0.3	>100	15.2	0.3	20.9
LF1GV-05	>100	6.1	19.5	8.8	>100	5.7	14.8	6.7
LF1GV-06	>100	7.4	2.9	17.1	>100	8.2	6.8	12.2
LF1GV-07	>100	6.6	14.6	7.3	3	0.1	20.9	0.1
LF1GV-08	>100	6.5	17.0	4.8	13	0.6	20.6	0.5
LF1GV-09	47	2.3	19.2	2.1	16	0.8	20.6	0.7
LF1GV-10	>100	5.0	8.4	11.8	2	0.1	20.7	0.2
LF1GV-11	79	3.9	18.4	3.1	3	0.1	20.8	0.2
LF1GV-12	60	3.0	16.9	4.2	3	0.2	20.6	0.3
LF1GV-13	>100	20.4	0.4	22.5	2	0.1	20.3	0.9
LF1GV-14	>100	5.0	17.5	3.9	46	2.3	19.7	1.3
LF1GV-15	24	1.2	17.9	2.8	5	0.2	20.6	0.4
LF1GV-16	6	0.3	18.3	1.9	0	0.0	20.9	0.0
LF1GV-17	31	1.5	21.1	1.3	37	1.7	19.9	1.4
LF1GV-18	22	1.1	20.6	1.4	21	1.0	20.0	0.9
LF1GV-19	52	2.5	17.5	3.3	8	0.3	20.5	0.5
LF1GV-20	58	2.9	18.7	1.9	28	1.4	20.1	0.6
LF1GV-21	>100	5.9	18.9	2.4	76	3.8	19.6	1.1
LF1GV-22	>100	7.3	16.0	5.5	12	0.6	20.6	0.5
LF1GV-23	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned
LF1GV-24	0	0.0	22.3	0.1	0	0.0	14.9	1.9
LF1GV-25	0	0.0	22.2	0.1	0	0.0	16.1	2.8
LF1GV-26	0	0.0	22.1	0.2	0	0.0	19.8	0.1
LF1GV-27	0	0.0	21.8	0.1	0	0.0	19.6	0.2
LF1GV-28	0	0.0	22.0	0.1	0	0.0	17.7	1.4
LF1GV-29	0	0.0	19.6	1.6	0	0.0	19.9	0.1
LF1GV-30	0	0.0	21.9	0.1	0	0.0	19.6	0.3
LF1GV-31	0	0.0	21.8	0.1	0	0.0	14.2	4.1

Notes:
> = greater than
< = less than
% = percent
in. = inches
LEL = Lower Explosive Limit
ppm = parts per million
VOC = volatile organic compound
- - = Not Monitored

Appendix A-1
LF001 (Landfill 1 AOC) Landfill Gas Monitoring Results (2010-2025)
Former Griffiss Air Force Base
Rome, New York

	August 2010				October 2010			
	Barometric Pressure (in.) = 29.40-29.29				Barometric Pressure (in.) = 29.13-29.20			
Sample Location	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)
LF1GMP-01	>100	52.5	0.9	24.6	>100	48.4	2.4	24.7
LF1GMP-02	>100	28.6	0.1	18.1	26	1.3	7.9	3.6
LF1GMP-03	>100	43.7	0.1	34.6	>100	46.1	0.8	34.0
LF1GMP-04	>100	53.8	0.1	40.9	>100	24.8	8.6	20.4
LF1GMP-06	>100	79.5	0.3	8.9	>100	24.2	12.9	3.5
LF1GMP-08	0	0.0	7.4	8.4	0	0.0	18.8	0.8
LF1GMP-09	>100	45.7	0.3	22.9	60	3.0	17.5	1.8
LF1GMP-10	>100	18.1	0.3	21.6	0	0.0	18.8	0.5
LF1GMP-11	0	0.0	15.2	3.3	0	0.0	20.1	0.4
LF1GMP-12	0	0.0	17.9	2.3	0	0.0	19.9	0.7
LF1GMP-13	0	0.0	7.4	7.1	0	0.0	19.1	0.4
LF1GMP-14	0	0.0	15.6	2.0	0	0.0	18.9	0.4
LF1GMP-15	0	0.0	18.6	1.3	0	0.0	18.6	0.8
LF1GMP-16	0	0.0	17.7	2.5	0	0.0	18.7	1.7
LF1GMP-17	0	0.0	17.5	2.5	1	0.1	19.7	0.8
LF1GMP-18	0	0.0	17.5	2.4	0	0.0	19.6	1.0
LF1GMP-19	53	2.6	7.1	5.2	0	0.0	20.2	0.3
LF1GMP-20	0	0.0	20.1	0.0	0	0.0	20.3	0.3
LF1GV-01	>100	26.3	8.8	23.2	9	0.5	15.4	6.4
LF1GV-02	>100	11.8	14.7	9.6	32	1.6	15.3	6.7
LF1GV-03	>100	27.5	8.0	21.0	>100	8.5	12.9	9.1
LF1GV-04	>100	24.2	5.5	22.2	>100	10.3	9.7	13.3
LF1GV-05	>100	23.7	10.0	19.3	17	0.9	14.8	7.6
LF1GV-06	>100	32.8	4.3	25.3	56	2.8	10.8	13.2
LF1GV-07	>100	16.1	13.6	14.2	15	0.9	15.7	6.4
LF1GV-08	>100	9.5	16.7	6.2	14	0.7	15.7	5.1
LF1GV-09	>100	9.8	16.4	6.8	8	0.4	15.4	5.7
LF1GV-10	>100	15.4	13.4	13.0	76	3.8	11.8	13.4
LF1GV-11	>100	5.2	18.0	3.9	11	0.6	15.9	5.6
LF1GV-12	>100	14.5	13.1	12.4	28	1.4	14.4	8.0
LF1GV-13	>100	13.5	12.8	11.4	90	4.3	9.8	14.6
LF1GV-14	>100	5.0	18.2	3.5	11	0.6	15.2	5.9
LF1GV-15	>100	6.5	16.6	6.9	0	0.0	16.8	3.4
LF1GV-16	>100	8.8	14.0	7.5	34	1.7	11.2	9.6
LF1GV-17	>100	5.8	17.5	5.1	17	0.9	15.4	6.2
LF1GV-18	>100	9.3	15.9	6.9	13	0.7	15.7	4.8
LF1GV-19	>100	15.4	12.5	10.3	63	3.1	10.8	10.0
LF1GV-20	>100	10.1	13.5	6.5	62	3.1	9.9	9.5
LF1GV-21	>100	17.5	14.0	6.7	47	2.4	13.0	6.6
LF1GV-22	>100	8.6	15.9	6.8	34	1.9	13.7	8.2
LF1GV-23	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned
LF1GV-24	>100	18.9	0.4	21.3	0	0.0	19.6	0.5
LF1GV-25	>100	26.9	0.2	26.5	39	1.9	17.0	3.2
LF1GV-26	>100	10.8	12.0	10.4	68	3.4	17.8	3.2
LF1GV-27	33	1.7	18.7	2.9	>100	10.7	13.6	8.0
LF1GV-28	5	0.2	19.7	0.3	11	0.6	20.2	0.4
LF1GV-29	26	1.3	17.8	2.4	>100	8.8	11.4	8.2
LF1GV-30	>100	8.6	10.4	11.7	0	0.0	20.2	0.4
LF1GV-31	>100	5.6	9.5	9.0	0	0.0	19.5	0.7

Notes:
> = greater than
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% = percent
in. = inches
LEL = Lower Explosive Limit
ppm = parts per million
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Appendix A-1
LF001 (Landfill 1 AOC) Landfill Gas Monitoring Results (2010-2025)
Former Griffiss Air Force Base
Rome, New York

	May 2011				October 2011			
	Barometric Pressure (in.) = 29.41-29.21				Barometric Pressure (in.) = 29.11-29.14			
Sample Location	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)
LF1GMP-01	>100	36.9	0.8	22.2	0	0.0	21.2	0.0
LF1GMP-02	>100	11.7	2.6	12.9	0	0.0	21.2	0.0
LF1GMP-03	>100	25.9	0.0	25.4	>100	44.3	0.6	35.2
LF1GMP-04	>100	32.7	0.0	27.4	>100	44.6	0.4	39.5
LF1GMP-06	>100	70.1	0.0	3.5	0	0.0	20.8	0.2
LF1GMP-08	0	0.0	14.4	3.4	0	0.0	20.0	1.0
LF1GMP-09	>100	20.5	1.1	7.6	59	2.8	17.4	1.8
LF1GMP-10	>100	11.2	0.6	15.9	>100	16.2	2.1	18.1
LF1GMP-11	0	0.0	17.1	1.1	0	0.0	20.3	0.8
LF1GMP-12	0	0.0	19.1	0.5	0	0.0	20.2	1.6
LF1GMP-13	0	0.0	13.5	1.7	0	0.0	12.4	4.4
LF1GMP-14	0	0.0	18.4	0.4	0	0.0	19.6	0.6
LF1GMP-15	0	0.0	18.8	1.3	0	0.0	20.6	0.6
LF1GMP-16	0	0.0	18.7	1.4	0	0.0	21.1	0.0
LF1GMP-17	0	0.0	18.4	1.4	0	0.0	21.1	0.0
LF1GMP-18	0	0.0	19.7	0.0	0	0.0	21.0	0.5
LF1GMP-19	0	0.0	17.0	0.4	0	0.0	21.2	0.1
LF1GMP-20	0	0.0	19.9	0.0	0	0.0	21.4	0.0
LF1GV-01	>100	7.2	15.9	5.9	0	0.0	21.5	0.1
LF1GV-02	>100	14.0	10.5	12.7	0	0.0	20.2	1.6
LF1GV-03	>100	32.7	0.0	28.6	0	0.0	21.0	0.4
LF1GV-04	>100	20.8	4.4	20.4	0	0.0	21.2	0.3
LF1GV-05	>100	14.5	13.5	12.3	0	0.0	21.2	0.6
LF1GV-06	>100	20.3	7.9	17.8	0	0.0	21.4	0.2
LF1GV-07	>100	12.6	15.0	8.4	0	0.0	21.9	0.0
LF1GV-08	>100	6.6	17.8	4.3	0	0.0	21.8	0.0
LF1GV-09	>100	10.7	16.6	4.6	0	0.0	21.8	0.0
LF1GV-10	>100	11.3	14.0	9.6	0	0.0	21.6	0.1
LF1GV-11	>100	8.4	17.2	4.5	0	0.0	22.0	0.0
LF1GV-12	81	4.0	18.3	4.1	0	0.0	22.0	0.0
LF1GV-13	>100	13.0	11.3	10.7	19	0.9	17.0	4.1
LF1GV-14	>100	6.7	16.9	4.3	6	0.3	21.1	0.7
LF1GV-15	77	4.0	17.5	3.6	0	0.0	21.8	0.1
LF1GV-16	62	3.5	15.1	4.7	0	0.0	21.9	0.0
LF1GV-17	>100	6.0	17.7	4.0	10	0.5	20.2	1.4
LF1GV-18	74	3.7	18.4	2.9	0	0.0	21.6	0.1
LF1GV-19	>100	9.9	14.2	7.2	0	0.0	20.0	1.8
LF1GV-20	>100	11.2	11.8	7.0	0	0.0	21.4	0.1
LF1GV-21	>100	19.5	12.5	7.1	0	0.0	21.3	0.1
LF1GV-22	>100	7.6	15.7	5.2	0	0.0	21.3	0.3
LF1GV-23	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned
LF1GV-24	0	0.0	2.6	10.9	0	0.0	21.1	0.0
LF1GV-25	5	0.8	13.1	4.4	0	0.0	21.5	0.0
LF1GV-26	0	0.0	20.5	0.0	0	0.0	21.6	0.0
LF1GV-27	53	2.2	15.8	4.4	0	0.0	21.3	0.3
LF1GV-28	0	0.0	20.4	0.0	0	0.0	21.6	0.0
LF1GV-29	0	0.0	20.4	0.0	0	0.0	21.6	0.0
LF1GV-30	0	0.0	20.6	0.0	0	0.0	21.5	0.5
LF1GV-31	0	0.0	19.3	1.2	0	0.0	20.1	1.3

Notes:
> = greater than
< = less than
% = percent
in. = inches
LEL = Lower Explosive Limit
ppm = parts per million
VOC = volatile organic compound
- - = Not Monitored

Appendix A-1
LF001 (Landfill 1 AOC) Landfill Gas Monitoring Results (2010-2025)
Former Griffiss Air Force Base
Rome, New York

	May 2012				October 2012			
	Barometric Pressure (in.) = 29.02-29.34				Barometric Pressure (in.) = 29.49-29.56			
Sample Location	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)
LF1GMP-01	>100	20.4	0.9	22.5	>100	30.5	3.9	19.4
LF1GMP-02	>100	21.7	0.0	13.9	>100	16.3	2.3	9.7
LF1GMP-03	>100	24.3	0.0	28.1	>100	38.2	1.3	30.8
LF1GMP-04	>100	31.4	0.0	28.4	56	2.8	19.3	3.1
LF1GMP-06	>100	52.9	0.0	5.0	>100	77.3	0.2	8.7
LF1GMP-08	0	0.0	13.4	3.4	0	0.0	20.6	0.4
LF1GMP-09	>100	19.2	0.0	11.5	>100	43.5	1.5	24.4
LF1GMP-10	>100	13.0	0.2	15.1	53	2.5	17.1	4.1
LF1GMP-11	0	0.0	17.4	2.7	0	0.0	20.9	0.2
LF1GMP-12	0	0.0	20.5	1.6	0	0.0	20.7	0.6
LF1GMP-13	0	0.0	18.3	1.7	0	0.0	20.5	0.3
LF1GMP-14	0	0.0	21.5	0.3	0	0.0	20.7	0.7
LF1GMP-15	0	0.0	21.2	0.6	0	0.0	20.0	0.9
LF1GMP-16	0	0.0	22.0	0.0	0	0.0	20.7	0.2
LF1GMP-17	0	0.0	18.3	1.7	0	0.0	20.7	0.1
LF1GMP-18	0	0.0	20.5	1.7	0	0.0	15.0	3.4
LF1GMP-19	0	0.0	20.4	0.5	0	0.0	17.9	1.9
LF1GMP-20	0	0.0	21.9	0.0	0	0.0	21.2	0.0
LF1GV-01	>100	6.0	18.9	5.0	>100	18.9	4.4	21.7
LF1GV-02	>100	7.4	17.9	6.4	>100	25.4	2.6	26.3
LF1GV-03	74	3.8	19.8	3.0	>100	24.9	6.2	23.8
LF1GV-04	0	0.0	22.0	0.1	>100	17.0	12.9	14.7
LF1GV-05	>100	24.9	8.5	21.6	>100	26.7	6.6	25.2
LF1GV-06	>100	25.5	2.3	26.0	>100	20.7	3.1	23.9
LF1GV-07	>100	9.5	17.4	7.3	>100	20.4	10.7	18.5
LF1GV-08	>100	22.4	11.8	12.4	>100	13.2	14.4	8.4
LF1GV-09	>100	28.4	9.1	18.0	>100	12.3	13.4	10.2
LF1GV-10	>100	17.8	11.9	16.9	>100	33.3	2.5	31.5
LF1GV-11	>100	7.3	18.3	5.4	>100	18.5	9.2	16.2
LF1GV-12	>100	32.6	8.5	23.7	>100	15.0	9.7	15.8
LF1GV-13	>100	18.6	11.4	14.7	>100	21.0	8.2	18.5
LF1GV-14	>100	9.8	16.4	6.8	62	3.0	18.8	3.0
LF1GV-15	>100	8.3	17.3	4.7	25	1.2	19.5	1.5
LF1GV-16	>100	8.5	15.7	5.7	0	0.0	21.1	0.0
LF1GV-17	>100	23.2	10.9	14.9	0	0.0	21.2	0.0
LF1GV-18	>100	6.4	18.5	4.1	0	0.0	21.0	0.1
LF1GV-19	>100	7.7	17.8	4.4	0	0.0	21.2	0.0
LF1GV-20	>100	6.0	18.3	2.8	0	0.0	21.2	0.0
LF1GV-21	>100	10.3	18.5	2.7	0	0.1	21.1	0.0
LF1GV-22	>100	17.2	11.6	13.2	0	0.0	21.2	0.0
LF1GV-23	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned
LF1GV-24	>100	5.8	6.1	7.6	>100	14.7	1.6	22.7
LF1GV-25	2	0.1	22.0	0.1	6	0.3	20.9	0.3
LF1GV-26	0	0.0	21.9	0.0	0	0.0	21.1	0.0
LF1GV-27	>100	12.2	12.3	8.8	0	0.0	21.1	0.0
LF1GV-28	0	0.0	21.9	0.0	0	0.0	21.1	0.0
LF1GV-29	0	0.0	22.0	0.0	0	0.0	21.1	0.0
LF1GV-30	2	0.2	21.9	0.0	0	0.0	21.2	0.0
LF1GV-31	0	0.0	20.5	0.2	4	0.2	20.5	0.6

Notes:
> = greater than
< = less than
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in. = inches
LEL = Lower Explosive Limit
ppm = parts per million
VOC = volatile organic compound
- - = Not Monitored

Appendix A-1
LF001 (Landfill 1 AOC) Landfill Gas Monitoring Results (2010-2025)
Former Griffiss Air Force Base
Rome, New York

	April 2013				October 2013			
	Barometric Pressure (in.) = 29.59-29.63				Barometric Pressure (in.) = 29.35-29.41			
Sample Location	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)
LF1GMP-01	0	0.0	20.8	0.1	>100	23.5	4.9	16.7
LF1GMP-02	0	0.0	20.9	0.1	61	3.0	16.9	3.0
LF1GMP-03	0	0.0	20.9	0.0	>100	21.9	8.2	15.8
LF1GMP-04	0	0.0	20.8	0.2	>100	21.8	0.2	25.6
LF1GMP-06	>100	25.0	9.2	3.1	>100	7.8	11.4	2.4
LF1GMP-08	0	0.0	18.8	1.6	28	1.3	0.9	13.2
LF1GMP-09	3	0.1	20.7	0.2	>100	44.2	0.4	18.5
LF1GMP-10	25	1.2	18.8	0.5	>100	13.9	2.1	11.7
LF1GMP-11	0	0.0	18.6	1.9	0	0.0	18.5	1.8
LF1GMP-12	0	0.0	19.7	1.2	0	0.0	19.7	1.2
LF1GMP-13	0	0.0	19.9	0.8	0	0.0	20.0	1.3
LF1GMP-14	0	0.0	20.9	0.0	0	0.0	13.1	4.5
LF1GMP-15	0	0.0	17.5	1.6	0	0.0	18.8	1.1
LF1GMP-16	0	0.0	19.8	1.3	0	0.0	19.2	1.2
LF1GMP-17	0	0.0	19.7	1.3	0	0.0	20.8	0.7
LF1GMP-18	0	0.0	20.8	0.1	0	0.0	19.6	1.9
LF1GMP-19	0	0.0	20.9	0.0	0	0.0	20.8	0.4
LF1GMP-20	0	0.0	20.8	0.0	0	0.0	20.7	0.0
LF1GV-01	0	0.0	20.9	0.0	79	3.9	16.2	6.3
LF1GV-02	0	0.0	20.8	0.0	>100	6.4	12.1	10.5
LF1GV-03	0	0.0	20.7	0.0	59	3.0	15.4	5.8
LF1GV-04	0	0.0	20.7	0.0	>100	6.7	8.8	12.5
LF1GV-05	0	0.0	21.1	0.0	>100	6.2	15.2	7.6
LF1GV-06	0	0.0	21.1	0.0	>100	6.8	8.2	12.8
LF1GV-07	0	0.0	21.1	0.0	68	3.9	17.9	4.2
LF1GV-08	5	0.2	21.1	0.1	>100	7.3	16.0	6.9
LF1GV-09	2	0.1	21.1	0.1	79	4.0	15.8	3.7
LF1GV-10	0	0.0	20.9	0.0	>100	9.0	9.7	12.4
LF1GV-11	0	0.0	20.9	0.0	>100	6.0	16.6	4.0
LF1GV-12	0	0.0	21.1	0.0	>100	5.2	9.5	11.1
LF1GV-13	1	0.1	21.0	0.0	>100	5.3	16.8	4.6
LF1GV-14	0	0.0	21.0	0.0	47	2.4	19.0	2.1
LF1GV-15	0	0.0	21.0	0.0	20	1.0	20.4	1.0
LF1GV-16	0	0.0	21.2	0.0	65	3.3	9.1	8.6
LF1GV-17	0	0.0	21.1	0.0	80	4.2	17.9	3.7
LF1GV-18	0	0.0	21.3	0.0	93	4.7	15.5	5.3
LF1GV-19	0	0.0	21.2	0.0	>100	10.5	5.3	14.9
LF1GV-20	0	0.0	21.2	0.0	>100	5.3	16.6	3.7
LF1GV-21	2	0.1	21.1	0.0	>100	9.7	15.3	4.9
LF1GV-22	0	0.0	21.1	0.0	>100	6.2	15.1	6.9
LF1GV-23	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned
LF1GV-24	0	0.0	19.3	0.9	0	0.0	17.2	2.0
LF1GV-25	0	0.0	20.9	0.1	3	0.2	20.9	0.4
LF1GV-26	0	0.0	21.1	0.0	9	0.5	20.4	0.4
LF1GV-27	0	0.0	20.4	0.4	0	0.0	20.5	1.1
LF1GV-28	0	0.0	21.2	0.0	0	0.0	21.4	0.1
LF1GV-29	0	0.0	21.1	0.0	0	0.0	17.9	1.8
LF1GV-30	0	0.0	21.1	0.0	0	0.0	21.3	0.1
LF1GV-31	0	0.0	19.9	0.6	0	0.0	20.5	0.5

Notes:
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LEL = Lower Explosive Limit
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VOC = volatile organic compound
- - = Not Monitored

Appendix A-1
LF001 (Landfill 1 AOC) Landfill Gas Monitoring Results (2010-2025)
Former Griffiss Air Force Base
Rome, New York

	May 2014				November 2014			
	Barometric Pressure (in.) = 29.51-29.62				Barometric Pressure (in.) = 29.49-29.51			
Sample Location	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
LF1GMP-02	0	0.0	20.8	0.0	0	0.0	14.8	2.4
LF1GMP-03	55	2.7	8.6	6.0	>100	25.6	0.0	16.1
LF1GMP-04	0	0.0	20.8	0.0	>100	36.1	1.4	14.8
LF1GMP-06	3	0.1	20.5	0.1	0	0.0	19.7	0.6
LF1GMP-08	0	0.0	20.5	0.1	0	0.0	20.1	0.1
LF1GMP-09	43	2.1	17.8	0.7	>100	8.1	12.3	5.8
LF1GMP-10	29	1.4	16.8	0.3	>100	10.3	0.9	14.4
LF1GMP-11	0	0.0	20.3	0.4	0	0.0	20.9	0.6
LF1GMP-12	0	0.0	19.6	1.5	0	0.0	20.9	0.2
LF1GMP-13	0	0.0	19.5	0.7	0	0.0	20.7	1.3
LF1GMP-14	0	0.0	16.7	1.8	0	0.0	18.8	0.7
LF1GMP-15	0	0.0	19.7	0.6	0	0.0	19.1	0.0
LF1GMP-16	0	0.0	20.1	1.0	0	0.0	19.4	0.1
LF1GMP-17	0	0.0	20.8	0.2	0	0.0	18.7	0.5
LF1GMP-18	0	0.0	20.9	0.0	0	0.0	18.0	1.1
LF1GMP-19	0	0.0	20.7	0.0	0	0.0	20.1	0.0
LF1GMP-20	0	0.0	20.7	0.0	0	0.0	19.9	1.2
LF1GV-01	3	0.1	20.0	0.3	>100	8.2	13.4	7.2
LF1GV-02	7	0.3	19.0	1.3	>100	6.2	16.8	5.0
LF1GV-03	7	0.4	17.9	2.5	14	0.7	20.1	0.6
LF1GV-04	14	0.7	15.2	6.4	0	0.0	20.3	0.0
LF1GV-05	5	0.2	19.7	0.4	0	0.0	19.9	0.1
LF1GV-06	9	0.4	10.3	7.2	0	0.0	21.2	0.0
LF1GV-07	>100	5.2	11.7	9.2	0	0.0	21.1	0.0
LF1GV-08	46	2.3	17.6	2.9	22	1.5	14.8	5.3
LF1GV-09	63	3.1	15.7	4.0	0	0.0	19.9	0.0
LF1GV-10	3	0.1	16.1	2.8	0	0.0	19.7	0.1
LF1GV-11	29	1.4	17.9	1.4	0	0.0	19.8	0.1
LF1GV-12	7	0.3	16.9	2.4	0	0.0	20.1	0.0
LF1GV-13	82	4.1	13.6	5.7	51	2.6	2.4	13.8
LF1GV-14	87	4.4	13.9	5.2	0	0.0	20.1	0.0
LF1GV-15	5	0.2	18.1	1.3	0	0.0	18.8	0.5
LF1GV-16	0	0.0	16.8	1.9	0	0.0	19.1	0.0
LF1GV-17	75	4.0	17.1	2.7	0	0.0	20.3	0.0
LF1GV-18	>100	8.0	5.7	11.7	0	0.0	18.9	0.7
LF1GV-19	45	2.3	8.3	9.7	0	0.0	19.5	0.0
LF1GV-20	30	1.5	17.5	1.3	0	0.0	19.4	0.0
LF1GV-21	>100	6.0	14.8	3.6	0	0.0	19.5	0.0
LF1GV-22	>100	7.9	9.3	9.1	0	0.0	20.2	0.0
LF1GV-23	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned
LF1GV-24	0	0.0	19.1	1.2	0	0.0	20.1	0.0
LF1GV-25	0	0.0	20.8	0.0	0	0.0	20.0	0.9
LF1GV-26	0	0.0	20.8	0.0	0	0.0	20.0	0.0
LF1GV-27	0	0.0	20.9	0.0	0	0.0	18.7	0.8
LF1GV-28	0	0.0	20.9	0.0	0	0.0	18.8	1.5
LF1GV-29	0	0.0	20.8	0.2	0	0.0	21.0	0.0
LF1GV-30	0	0.0	20.3	0.5	0	0.0	19.5	1.0
LF1GV-31	0	0.0	20.6	0.4	0	0.0	20.0	0.0

Notes:
> = greater than
< = less than
% = percent
in. = inches
LEL = Lower Explosive Limit
ppm = parts per million
VOC = volatile organic compound
- - = Not Monitored

Appendix A-1
LF001 (Landfill 1 AOC) Landfill Gas Monitoring Results (2010-2025)
Former Griffiss Air Force Base
Rome, New York

	May 2015				September 2015			
	Barometric Pressure (in.) = 29.28-29.62				Barometric Pressure (in.) = 29.36-29.54			
Sample Location	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)
LF1GMP-01	0	0 0	20.8	0.0	> 100	25.4	0.1	24.1
LF1GMP-02	0	0.0	20.2	0.0	> 100	31.6	0.0	15.2
LF1GMP-03	31	18	18.5	3.7	> 100	40.8	0.0	36.6
LF1GMP-04	0	0 0	21.1	0.0	> 100	47.3	0.0	41.5
LF1GMP-06	> 100	32.2	8.1	3.6	> 100	77.0	0.1	7.3
LF1GMP-08	0	0 0	21.3	0.0	0	0.0	15.3	4.4
LF1GMP-09	0	0 0	21.0	0.0	> 100	34.9	0.1	20.6
LF1GMP-10	0	0 0	20.8	0.0	> 100	14.1	2.0	18.5
LF1GMP-11	0	0 0	21.2	0.0	1	0.0	1 4.2	6.4
LF1GMP-12	0	0. 0	20.4	0.8	2	0.1	20.0	0.7
LF1GMP-13	0	0 0	19.8	1.0	1	0.0	19.6	1.0
LF1GMP-14	0	0 0	20.9	0.0	0	0.0	17.4	2.9
LF1GMP-15	0	0 0	20.8	0.1	0	0.0	19.6	1.2
LF1GMP-16	0	0 0	20.3	1.0	0	0.0	20.3	0.2
LF1GMP-17	0	0 0	20.0	1.5	1	0.0	20.4	0.1
LF1GMP-18	0	0 0	20.9	0.0	1	0.0	13.1	0.8
LF1GMP-19	0	0 0	21.2	0.0	3	0.1	18.7	1.5
LF1GMP-20	0	0. 0	21.3	0.0	1	0.0	20.4	0.1
LF1GV-01	> 100	31.7	1.5	31.7	0	0.0	20.6	0.1
LF1GV-02	> 100	5.7	16.6	6.7	0	0.0	20.7	0.0
LF1GV-03	> 100	7.5	15.7	5.9	0	0.0	20.7	0.0
LF1GV-04	0	0 0	21.2	0.0	0	0.0	20.7	0.0
LF1GV-05	5	0.3	21.1	0.1	0	0.0	21	0.0
LF1GV-06	> 100	18.9	7.3	20.3	1	0.0	20.5	0.0
LF1GV-07	64	3.5	19.5	3.7	0	0.0	21.0	0.0
LF1GV-08	> 100	14.8	15.5	10.3	0	0.0	21.3	0.0
LF1GV-09	> 100	13.9	11.7	10.5	0	0.0	21.2	0.0
LF1GV-10	> 100	5 3	17.8	5.7	1	0.1	21.1	0.0
LF1GV-11	> 100	4.3	18.9	4.9	0	0.0	21.1	0.0
LF1GV-12	> 100	6.5	17.6	6.8	0	0.0	20.5	0.0
LF1GV-13	> 100	12.2	13.8	12.3	1	0.0	21.0	0.0
LF1GV-14	> 100	11.4	14.7	8.4	0	0.0	20.7	0.0
LF1GV-15	63	3.1	19.3	4.2	1	0.0	20.7	0.0
LF1GV-16	17	0.9	20.1	2.6	0	0.0	20.7	0.0
LF1GV-17	> 100	13.70	15.3	8.6	1	0.0	20.5	0.0
LF1GV-18	> 100	15.4	16.4	7.2	1	0.0	20.6	0.0
LF1GV-19	> 100	8.6	17.9	5.9	0	0.0	20.6	0.0
LF1GV-20	> 100	17.9	9.5	9.3	0	0.0	20.6	0.0
LF1GV-21	> 100	11.1	18.5	4.3	0	0.0	20.7	0.0
LF1GV-22	> 100	10.6	16.5	6.6	1	0.0	20.5	0.0
LF1GV-23	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned
LF1GV-24	> 100	5.5	1.1	11.7	14	0.3	19.4	2.3
LF1GV-25	> 100	10.5	5.2	8.9	0	0.1	20.2	0.0
LF1GV-26	0	0.0	21.7	0.1	0	0.0	20.1	0.0
LF1GV-27	> 100	9.5	9.3	12.4	5	0.7	21.3	0.0
LF1GV-28	0	0.0	21.7	0.0	0	0.0	21.3	0.0
LF1GV-29	2	0.1	21.5	0.0	0	0.0	21.2	0.0
LF1GV-30	0	0 0	21.1	2.5	0	0.0	21.3	0.0
LF1GV-31	0	0 0	17.3	3.0	0	0.0	20.1	0.9

Notes:
> = greater than
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LEL = Lower Explosive Limit
ppm = parts per million
VOC = volatile organic compound
- - = Not Monitored

Appendix A-1
LF001 (Landfill 1 AOC) Landfill Gas Monitoring Results (2010-2025)
Former Griffiss Air Force Base
Rome, New York

	December 2016				November 2017			
	Barometric Pressure (in.) = 29.53-29.54				Barometric Pressure (in.) = 29.51 - 29.51			
Sample Location	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)
LF1GMP-01	0	0	21.1	0.1	0.0	0.0	21.4	0.1
LF1GMP-02	43	2.1	1	10.1	> 100	25.2	0.7	15.3
LF1GMP-03	> 100	9.4	6.3	15.3	> 100	19.6	9.0	17.8
LF1GMP-04	0	0	21.1	0.4	14.0	0.7	16.5	1.9
LF1GMP-06	> 100	9.1	14.6	3.2	> 100	40.0	2.6	5.0
LF1GMP-08	- -	- -	- -	- -	- -	- -	- -	- -
LF1GMP-09	> 100	22.7	7.7	7.5	0.0	0.0	21.2	0.0
LF1GMP-10	21	1	19.3	0.4	0.0	0.0	21.2	0.0
LF1GMP-11	- -	- -	- -	- -	- -	- -	- -	- -
LF1GMP-12	- -	- -	- -	- -	- -	- -	- -	- -
LF1GMP-13	0	0	18.7	1.5	0.0	0.0	19.4	1.6
LF1GMP-14	- -	- -	- -	- -	- -	- -	- -	- -
LF1GMP-15	- -	- -	- -	- -	- -	- -	- -	- -
LF1GMP-16	0	0	19.8	1.7	0.0	0.0	21.5	0.0
LF1GMP-17	- -	- -	- -	- -	- -	- -	- -	- -
LF1GMP-18	- -	- -	- -	- -	- -	- -	- -	- -
LF1GMP-19	- -	- -	- -	- -	- -	- -	- -	- -
LF1GMP-20	- -	- -	- -	- -	- -	- -	- -	- -
LF1GV-01	0	0	21.3	0.1	0.0	0.0	21.4	0.1
LF1GV-02	0	0	21.2	0.4	0.0	0.0	21.3	0.2
LF1GV-03	0	0	21.3	0.1	0.0	0.0	21.3	0.1
LF1GV-04	0	0	21.4	0	0.0	0.0	21.2	0.0
LF1GV-05	0	0	20.5	1	0.0	0.0	21.5	0.0
LF1GV-06	0	0	20.9	0.2	0.0	0.0	21.4	0.0
LF1GV-07	0	0	20.6	0.7	0.0	0.0	21.5	0.1
LF1GV-08	0	0	20.7	0.5	0.0	0.0	21.5	0.0
LF1GV-09	0	0	21.1	0.1	0.0	0.0	21.3	0.1
LF1GV-10	0	0	0.8	20	0.0	0.0	21.4	0.1
LF1GV-11	5	0.2	2.6	18.4	0.0	0.0	21.5	0.1
LF1GV-12	0	0	20.9	0.1	0.0	0.0	21.2	0.0
LF1GV-13	0	0	20.7	1	0.0	0.0	21.4	0.1
LF1GV-14	8	0.4	14.6	7.4	0.0	0.0	21.4	0.2
LF1GV-15	- -	- -	- -	- -	- -	- -	- -	- -
LF1GV-16	- -	- -	- -	- -	- -	- -	- -	- -
LF1GV-17	13	0.6	17.6	1.9	0.0	0.0	21.3	0.3
LF1GV-18	0	0	21	0.1	0.0	0.0	21.4	0.1
LF1GV-19	1	0	17	4.7	0.0	0.0	21.3	0.2
LF1GV-20	9	0.4	18.9	1.7	0.0	0.0	21.3	0.2
LF1GV-21	3	0.1	20.2	0.7	1.0	0.0	21.3	0.1
LF1GV-22	0	0	19.2	2	0.0	0.0	21.4	0.1
LF1GV-23	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned
LF1GV-24	0	0	21.2	0	0.0	0.0	21.5	0.0
LF1GV-25	0	0	20.8	0.6	0.0	0.0	20.6	1.0
LF1GV-26	- -	- -	- -	- -	- -	- -	- -	- -
LF1GV-27	0	0	19.8	0.9	0.0	0.0	21.5	0.0
LF1GV-28	0	0	20.3	0.4	- -	- -	- -	- -
LF1GV-29	- -	- -	- -	- -	- -	- -	- -	- -
LF1GV-30	- -	- -	- -	- -	- -	- -	- -	- -
LF1GV-31	- -	- -	- -	- -	- -	- -	- -	- -

Notes:
> = greater than
< = less than
% = percent
in. = inches
LEL = Lower Explosive Limit
ppm = parts per million
VOC = volatile organic compound
- - = Not Monitored

Appendix A-1
LF001 (Landfill 1 AOC) Landfill Gas Monitoring Results (2010-2025)
Former Griffiss Air Force Base
Rome, New York

	October 2018				October 2019			
	Barometric Pressure (in.) = 29.58 - 29.57				Barometric Pressure (in.) = 29.34 - 29.38			
Sample Location	Hydrogen Sulfide (ppm)	Methane (%)	Oxygen (%)	Carbon Monoxide (ppm)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)
LF1GMP-01	0	>5	15.98	0	3.0	<0.1	21.0	0.1
LF1GMP-02	0	<0.1	20.9	0	<100	23.4	8.9	5.6
LF1GMP-03	0	<0.1	20.9	0	2.0	<0.1	21.2	0.0
LF1GMP-04	0	0.2	20.9	0	<100	56.2	2.6	5.6
LF1GMP-06	0	0.25	20.9	0	<100	24.6	8.2	4.7
LF1GMP-08	- -	- -	- -	- -	- -	- -	- -	- -
LF1GMP-09	0	<0.1	20.9	0	7	0.3	20.6	0.2
LF1GMP-10	0	<0.1	20.9	0	2.0	<0.1	20.8	0.0
LF1GMP-11	- -	- -	- -	- -	- -	- -	- -	- -
LF1GMP-12	- -	- -	- -	- -	- -	- -	- -	- -
LF1GMP-13	0	<0.1	20.9	0	1	<0.1	19.2	1.4
LF1GMP-14	- -	- -	- -	- -	- -	- -	- -	- -
LF1GMP-15	- -	- -	- -	- -	- -	- -	- -	- -
LF1GMP-16	0	<0.1	19.6	0	2	<0.1	21	0.0
LF1GMP-17	- -	- -	- -	- -	- -	- -	- -	- -
LF1GMP-18	- -	- -	- -	- -	- -	- -	- -	- -
LF1GMP-19	- -	- -	- -	- -	- -	- -	- -	- -
LF1GMP-20	- -	- -	- -	- -	- -	- -	- -	- -
LF1GV-01	0	<0.1	20.9	0	2	<0.1	21.3	0.0
LF1GV-02	0	<0.1	20.9	0	2	<0.1	21.2	0.0
LF1GV-03	0	<0.1	20.9	0	2	<0.1	21.2	0.0
LF1GV-04	0	<0.1	20.9	0	2	<0.1	21.0	0.0
LF1GV-05	0	<0.1	20.9	0	2	<0.1	21.1	0.0
LF1GV-06	0	<0.1	20.9	0	2	<0.1	20.9	0.0
LF1GV-07	0	<0.1	20.9	0	2	<0.1	21.1	0.0
LF1GV-08	0	<0.1	20.9	0	2	<0.1	21.1	0.0
LF1GV-09	0	0.1	20.9	0	2	<0.1	20.9	0.0
LF1GV-10	0	0.1	20.9	0	2	<0.1	21.1	0.0
LF1GV-11	0	<0.1	20.9	0	2	<0.1	21.1	0.0
LF1GV-12	0	<0.1	20.9	0	2	<0.1	20.9	0.0
LF1GV-13	0	<0.1	20.9	0	2	<0.1	21.1	0.0
LF1GV-14	0	0.2	20.9	0	2	<0.1	21.1	0.0
LF1GV-15	- -	- -	- -	- -	- -	- -	- -	- -
LF1GV-16	- -	- -	- -	- -	- -	- -	- -	- -
LF1GV-17	0	<0.1	20.9	0	2	<0.1	21.1	0.0
LF1GV-18	0	<0.1	20.9	0	2	<0.1	21.1	0.0
LF1GV-19	0	<0.1	20.9	0	2	<0.1	21.00	0.0
LF1GV-20	0	<0.1	20.9	0	2	<0.1	20.9	0.0
LF1GV-21	0	<0.1	20.9	0	2	<0.1	21.0	0.0
LF1GV-22	0	<0.1	20.9	0	2	<0.1	21.2	0.0
LF1GV-23	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned
LF1GV-24	0	<0.1	20.9	0	2	<0.1	21.2	0.0
LF1GV-25	0	<0.1	20.9	0	2	<0.1	21.1	0.0
LF1GV-26	- -	- -	- -	- -	- -	- -	- -	- -
LF1GV-27	0	<0.1	20.9	0	2	<0.1	21.1	0.0
LF1GV-28	- -	- -	- -	- -	- -	- -	- -	- -
LF1GV-29	- -	- -	- -	- -	- -	- -	- -	- -
LF1GV-30	- -	- -	- -	- -	- -	- -	- -	- -
LF1GV-31	- -	- -	- -	- -	- -	- -	- -	- -

Notes:
> = greater than
< = less than
% = percent
in. = inches
LEL = Lower Explosive Limit
ppm = parts per million
VOC = volatile organic compound
- - = Not Monitored

Appendix A-1
LF001 (Landfill 1 AOC) Landfill Gas Monitoring Results (2010-2025)
Former Griffiss Air Force Base
Rome, New York

	September 2020					December 2021				
	Barometric Pressure (in.) = 30.0 - 30.3					Barometric Pressure (in.) = 30.0 - 30.1				
Sample Location	Hydrogen Sulfide (ppm)	Methane (%)	Oxygen (%)	Carbon Monoxide (ppm)	VOC (ppm)	Hydrogen Sulfide (ppm)	Methane (%)	Oxygen (%)	Carbon Monoxide (ppm)	VOC (ppm)
LF1GMP-01	0.5	3.5	7.7	5	130.2	0	>5	8.5	0	49.6
LF1GMP-02	0	>5	12.7	0	39.3	0	>5	9.3	0	8.3
LF1GMP-03	0.5	4.4	7.2	5	6	0	>5	19.3	0	5.6
LF1GMP-04	0	2.8	3.2	12	0	0	0	20.9	0	0
LF1GMP-06	0	>5	18.1	0	0	0	0	20.3	0	0
LF1GMP-08	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
LF1GMP-09	0	4.2	12.1	3	18.6	0	0	20.9	0	0
LF1GMP-10	0	>5	3.6	8	5.1	0	0	20.9	0	0.1
LF1GMP-11	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
LF1GMP-12	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
LF1GMP-13	0.5	0	21.2	0	0	0	0	20.9	0	0
LF1GMP-14	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
LF1GMP-15	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
LF1GMP-16	0	0	20.9	0	0	0	0	19.2	0	0
LF1GMP-17	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
LF1GMP-18	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
LF1GMP-19	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
LF1GMP-20	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
LF1GV-01	0	>5	20.8	0	0	0	0	20.9	0	0
LF1GV-02	0	>5	18.4	0	0	0	0	20.9	0	0
LF1GV-03	0	>5	19.2	0	0	0	0	20.9	0	0.1
LF1GV-04	0	3.2	19.1	0	0	0	0	20.9	0	0.1
LF1GV-05	0	>5	16.1	0	0	0	0	20.9	0	0
LF1GV-06	0	>5	18.4	0	0.9	0	0	20.9	0	0.1
LF1GV-07	0	>5	21.2	0	0	0	0	20.9	0	0
LF1GV-08	0	>5	15.6	0	3.5	0	0	20.9	0	0
LF1GV-09	0	>5	15.5	0	0	0	0	20.9	0	0.1
LF1GV-10	0	>5	14	0	0	0	0	20.9	0	0
LF1GV-11	0	3.0	20.8	0	0	0	0	20.9	0	0
LF1GV-12	0	>5	18.9	0	0	0	0	20.9	0	0
LF1GV-13	0	>5	18.9	0	0	0	0	20.9	0	0
LF1GV-14	0	3.5	20.3	0	0	0	0	20.9	0	0
LF1GV-15	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
LF1GV-16	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
LF1GV-17	0	>5	20.4	0	0	0	0	20.9	0	0
LF1GV-18	0	4.7	20.4	0	0	0	0	20.9	0	0
LF1GV-19	0	>5	17.7	0	0	0	0	20.9	0	0
LF1GV-20	0	3.7	18.8	0	0	0	0	20.9	0	0
LF1GV-21	0	4.6	20.9	0	0	0	0	20.9	0	0
LF1GV-22	0	3.5	20.9	0	0	0	0	20.9	0	0
LF1GV-23	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned
LF1GV-24	0	0	21.8	0	0	0	0	20.9	0	0
LF1GV-25	0	0.9	20.9	0	0	0	0	20.9	0	0
LF1GV-26	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
LF1GV-27	0	0	21.7	0	0.4	0	0	20.9	0	0
LF1GV-28	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
LF1GV-29	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
LF1GV-30	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
LF1GV-31	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -

Notes:
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Appendix A-1
LF001 (Landfill 1 AOC) Landfill Gas Monitoring Results (2010-2025)
Former Griffiss Air Force Base
Rome, New York

	October 2022					September 2023				
	Barometric Pressure (in.) = 29.99 on 10/6 and 29.89 on 10/15					Barometric Pressure (in.) = 29.36 - 29.42 on 9/19				
Sample Location	Hydrogen Sulfide (ppm)	Methane (%)	Oxygen (%)	Carbon Monoxide (ppm)	VOC (ppm)	Hydrogen Sulfide (ppm)	Methane (%)	Oxygen (%)	Carbon Monoxide (ppm)	LEL (%)
LF1GMP-01	0.0	Over	3.3	0	20.7	0	0.0	19.2	0	0
LF1GMP-02	0.0	Over	13.9	0	8.7	0	30.8	3.2	13	over
LF1GMP-03	0.0	Over	1.6	0	1.4	1	42.5	0.8	10	over
LF1GMP-04	0.0	Over	1.3	0	2.0	0	0.0	19.2	0.0	0.0
LF1GMP-06	0.0	Over	10.1	0	0.4	2	62.5	2.8	16	over
LF1GMP-08	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
LF1GMP-09	0.0	Over	12.1	0	2.5	0	42.1	1.9	11	over
LF1GMP-10	0.0	Over	1.6	0	2.1	0	15.5	3.1	20	over
LF1GMP-11	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
LF1GMP-12	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
LF1GMP-13	0.0	0	19.1	0	0.0	- -	- -	- -	- -	- -
LF1GMP-14	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
LF1GMP-15	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
LF1GMP-16	0.0	0	19.4	0	0.0	- -	- -	- -	- -	- -
LF1GMP-17	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
LF1GMP-18	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
LF1GMP-19	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
LF1GMP-20	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
LF1GV-01	0.0	Over	13.9	0	0.0	0	0.0	19.3	0	0
LF1GV-02	0.0	30	17.4	0	0.0	0	0.0	19.4	0	0
LF1GV-03	0.0	30	18.1	0	0.0	0	0.0	19.4	0	0
LF1GV-04	0.0	6	16.7	0	0.0	0	0.0	19.5	0	0
LF1GV-05	0.0	Over	12.6	0	0.0	0	0.0	19.4	0	0
LF1GV-06	0.0	51	10.1	0	0.1	0	0.0	19.2	0	0
LF1GV-07	0.0	39	19.6	0	0.0	0	0.0	19.1	0	0
LF1GV-08	0.0	Over	17.0	0	0.8	0	0.0	19.3	0	0
LF1GV-09	0.0	30	18.3	0	1.0	0	0.0	19.1	0	0
LF1GV-10	0.0	Over	15.8	0	0.0	0	0.0	19.4	0	0
LF1GV-11	0.0	53	18.1	0	0.6	0	0.0	19.4	0	0
LF1GV-12	0.0	0	19.6	0	0.0	0	0.0	19.1	0	0
LF1GV-13	0.0	Over	19.3	0	0.2	0	0.0	18.9	0	0
LF1GV-14	0.0	61	18.7	0	0.0	0	0.0	19.3	0	0
LF1GV-15	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
LF1GV-16	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
LF1GV-17	0.0	Over	17.2	0	0.0	0	0.0	19.4	0	0
LF1GV-18	0.0	46	18.1	0	0.0	0	0.0	19.4	0	0
LF1GV-19	0.0	47	17.2	0	0.0	0	0.0	19.5	0	0
LF1GV-20	0.0	Over	13.0	0	0.1	0	0.0	19.4	0	0
LF1GV-21	0.0	Over	16.8	0	0.0	0	0.0	19.3	0	0
LF1GV-22	0.0	Over	16.2	0	0.0	0	0.0	19.3	0	0
LF1GV-23	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned
LF1GV-24	0.0	0	18.2	0	0.0	- -	- -	- -	- -	- -
LF1GV-25	0.0	4	20.7	0	0.2		0.2	19	0	4
LF1GV-26	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
LF1GV-27	0.0	Over	11.0	0	0.5		0.0	19.1	0	0
LF1GV-28	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
LF1GV-29	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
LF1GV-30	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
LF1GV-31	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -

Notes:
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Appendix A-1
LF001 (Landfill 1 AOC) Landfill Gas Monitoring Results (2010-2025)
Former Griffiss Air Force Base
Rome, New York

Sample Location	October 2024 Barometric Pressure (in.) = 29.50 - 29.60 on 10/10					November 2025 Barometric Pressure (in.) = 30.19 - 30.2 on 11/19				
	Hydrogen Sulfide (ppm)	Methane (%)	Oxygen (%)	Carbon Monoxide (ppm)	LEL (%)	Hydrogen Sulfide (ppm)	Methane (%)	Oxygen (%)	Carbon Monoxide (ppm)	LEL (%)
LF1GMP-01	0	13.7	7.3	1	0	0	8.8	10	3	0
LF1GMP-02	1	39.5	0.1	1	Over	0	26.5	3.2	0	Over
LF1GMP-03	3	41.3	0	1	Over	0	21.2	12.1	12	Over
LF1GMP-04	0	8.6	7.2	1.0	0	2	14.6	1.6	0	0
LF1GMP-06	4	74	0.1	0	Over	2	64.7	1.3	0	Over
LF1GMP-08	--	--	--	--	--	--	--	--	--	--
LF1GMP-09	0	34.5	0.4	0	Over	0	0.1	10.8	0	0
LF1GMP-10	0	16.3	1.5	1	Over	0	6.5	2.5	0	0
LF1GMP-11	--	--	--	--	--	--	--	--	--	--
LF1GMP-12	--	--	--	--	--	--	--	--	--	--
LF1GMP-13	--	--	--	--	--	--	--	--	--	--
LF1GMP-14	--	--	--	--	--	--	--	--	--	--
LF1GMP-15	--	--	--	--	--	--	--	--	--	--
LF1GMP-16	--	--	--	--	--	--	--	--	--	--
LF1GMP-17	--	--	--	--	--	--	--	--	--	--
LF1GMP-18	--	--	--	--	--	--	--	--	--	--
LF1GMP-19	--	--	--	--	--	--	--	--	--	--
LF1GMP-20	--	--	--	--	--	--	--	--	--	--
LF1GV-01	0	3.4	14.0	0	0	0	0.1	21.1	0	0
LF1GV-02	0	0.6	15.6	0	0	0	0.1	21.3	0	0
LF1GV-03	0	0.1	16.9	0	0	0	0.1	21.4	0	0
LF1GV-04	0	0.0	17.3	0	0	0	0.2	21.4	0	0
LF1GV-05	0	3.5	12.2	0	0	0	0	21	0	0
LF1GV-06	0	0.0	15.2	0	0	0	0	21.2	0	0
LF1GV-07	0	3.1	13.6	0	0	0	0	20.8	0	0
LF1GV-08	0	3.2	14	0	0	0	0.1	21.1	0	0
LF1GV-09	0	2.3	8.8	0	0	0	0	21.2	0	0
LF1GV-10	0	3.7	4.7	0	0	0	0	21.7	0	0
LF1GV-11	0	6.7	10.6	0	0	0	0	21.6	0	0
LF1GV-12	0	0.0	18.0	0	0	0	0	21.4	0	0
LF1GV-13	0	5.1	11.1	0	0	0	0	21.7	0	0
LF1GV-14	0	2.0	16.8	0	0	0	0	21.5	0	0
LF1GV-15	--	--	--	--	--	--	--	--	--	--
LF1GV-16	--	--	--	--	--	--	--	--	--	--
LF1GV-17	0	12.1	12.9	0	0	0	0	21.9	0	0
LF1GV-18	0	3.6	14.1	0	0	0	0	21.8	0	0
LF1GV-19	0	0.0	21.0	0	0	0	0.1	22.1	0	0
LF1GV-20	0	0.0	21.5	0	0	0	0.1	22.1	0	0
LF1GV-21	0	0.0	20.7	0	0	0	0.1	21.9	0	0
LF1GV-22	0	12.0	9.3	0	0	0	0	22	0	0
LF1GV-23	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned
LF1GV-24	--	--	--	--	--	--	--	--	--	--
LF1GV-25		0	8.6	0	4	0	0.1	20.7	0	2
LF1GV-26	--	--	--	--	--	--	--	--	--	--
LF1GV-27		0.0	18.8	0	0	0	0	20.8	0	0
LF1GV-28	--	--	--	--	--	--	--	--	--	--
LF1GV-29	--	--	--	--	--	--	--	--	--	--
LF1GV-30	--	--	--	--	--	--	--	--	--	--
LF1GV-31	--	--	--	--	--	--	--	--	--	--

Notes:
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Appendix A-2 LF002 (Landfill 2/3 AOC) Landfill Gas Monitoring Results (2010-2025)

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Appendix A-2
LF002 (Landfill 2/3 AOC) Landfill Gas Monitoring Results (2010-2025)
Former Griffiss Air Force Base
Rome, New York

	February 2010				May 2010				October 2010				May 2011			
	Barometric Pressure (in.) = 29.34				Barometric Pressure (in.) = 29.05-29.06				Barometric Pressure (in.) = 29.24				Barometric Pressure (in.) = 29.21			
Sample Location	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

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Appendix A-2
LF002 (Landfill 2/3 AOC) Landfill Gas Monitoring Results (2010-2025)
Former Griffiss Air Force Base
Rome, New York

	October 2011				May 2012				October 2012				May 2013			
	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			
Sample Location	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:
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Appendix A-2
LF002 (Landfill 2/3 AOC) Landfill Gas Monitoring Results (2010-2025)
Former Griffiss Air Force Base
Rome, New York

	October 2013				May 2014				November 2014				May 2015			
	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			
Sample Location	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

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Appendix A-2
LF002 (Landfill 2/3 AOC) Landfill Gas Monitoring Results (2010-2025)
Former Griffiss Air Force Base
Rome, New York

	September 2015				December 2016				November 2017				October 2018			
	Barometric Pressure (in.) = 29.33-29.42				Barometric Pressure (in.) = 29.48-29.46				Barometric Pressure (in.) = 29.51 - 29.51				Barometric Pressure (in.) = 29.54-29.55			
Sample Location	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	Hydrogen Sulfide (ppm)	Methane (%)	Oxygen (%)	Carbon Monoxide (ppm)
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	0.0	0.0	19.0	3.1	0	<0.1	20.9	0
LF2GMP-03	0	0.0	20.6	0.0	0	0	19.3	0.9	0.0	0.0	21.4	0.0	0	<0.1	20.9	0
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	0.0	0.0	10.3	4.5	0	<0.1	20.9	0
LF2GMP-06	0	0.0	18.8	1.4	0	0	7.5	8.6	0.0	0.0	9.5	4.7	0	<0.1	20.9	0
LF2GMP-07	0	0.0	20.4	00	0	0	19.5	1.2	--	--	--	--	--	--	--	--
LF2GMP-08	0	0.1	20.4	0.3	3	0.1	18.2	1.9	0.0	0.0	21.2	0.0	0	<0.1	20.9	0
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	2.0	0.1	19.6	0.6	0	<0.1	20.9	0
LF2VENT-02	0	0.0	20.8	0.0	0	0	20.8	0	0.0	0.0	21.2	0.1	0	<0.1	20.9	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	40.0	1.1	20.3	0.7	0	<0.1	20.9	0
LF2VENT-05	0	0.0	20.7	0.0	5	0.2	20	0.4	60.0	2.7	16.4	2.5	0	<0.1	20.9	0
LF2VENT-06	0	0.0	20.8	0.0	90	4.5	17.2	3.1	> 100	17.6	7.8	12.0	0	<0.1	20.9	0
LF2VENT-07	0	0.0	20.8	0.0	0	0	20.3	0.9	0.0	0.0	21.3	0.1	0	<0.1	20.9	0
LF2VENT-08	0	0.0	20.8	0.0	0	0	20.5	0	0.0	0.0	20.6	0.3	0	<0.1	20.9	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	0.0	0.0	20.2	0.8	0	<0.1	20.9	0
LF2VENT-13	0	0.0	20.8	0.0	5	0.3	18.9	0.5	0.0	0.0	20.0	0.4	0	<0.1	20.9	0
LF2VENT-14	0	0.0	20.8	0.0	0	0	20.9	0	0.0	0.0	21.3	0.0	0	<0.1	20.9	0

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Appendix A-2
LF002 (Landfill 2/3 AOC) Landfill Gas Monitoring Results (2010-2025)
Former Griffiss Air Force Base
Rome, New York

	October 2019				September 2020					December 2021				
	Barometric Pressure (in.) = 29.22 - 29.25				Barometric Pressure (in.) = 30.0 - 30.3					Barometric Pressure (in.) = 30.1 - 30.1				
Sample Location	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	Hydrogen Sulfide (ppm)	Methane (%)	Oxygen (%)	Carbon Monoxide (ppm)	VOC (ppm)	Hydrogen Sulfide (ppm)	Methane (%)	Oxygen (%)	Carbon Monoxide (ppm)	VOC (ppm)
LF2GMP-01	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF2GMP-02	17	0.8	18.7	1.7	0	1.85	15.3	1	0	0	0	20.0	0	0.1
LF2GMP-03	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF2GMP-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF2GMP-05	73	3.6	13.6	3.0	0	0	20.6	0	0.1	0	0	19.1	0	0
LF2GMP-06	2	<0.1	21.1	0.0	0	0	20.5	0	0	0	0	20.4	0	0
LF2GMP-07	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF2GMP-08	2	<0.1	20.5	0.8	0	0	20.9	0	0	0	0	20.3	0	0
LF2GMP-09	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF2VENT-01	2	<0.1	20.6	0.0	0	0	19.9	0	0	0	0	20.9	0	0
LF2VENT-02	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF2VENT-03	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF2VENT-04	31	1.5	20.1	0.9	0	0.6	16.1	0	3.8	0	0	20.9	0	0
LF2VENT-05	43	2.2	19.0	1.8	0.5	>5	14.5	2	2.0	0	8.0	20.9	0	0
LF2VENT-06	8	0.4	20.8	0.1	1.0	>5	17.4	0	0.6	0	0	20.9	0	0
LF2VENT-07	2	<0.1	20.8	0.0	0	0	16.7	0	0.1	0	0	20.9	0	0
LF2VENT-08	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF2VENT-09	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF2VENT-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF2VENT-11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF2VENT-12	7	0.3	20.6	0.2	0	>5	15.5	0	0	0	0	20.9	0	0
LF2VENT-13	2	<0.1	20.6	0.0	0	0	18.2	0	0.1	0	0	20.9	0	0.1
LF2VENT-14	2	<0.1	20.8	0.0	0	0	20.2	0	0	0	0	20.9	0	0

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Appendix A-2
LF002 (Landfill 2/3 AOC) Landfill Gas Monitoring Results (2010-2025)
Former Griffiss Air Force Base
Rome, New York

	October 2022					September 2023				
	Barometric Pressure (in.) = 29.84					Barometric Pressure (in.) = 29.91				
Sample Location	Hydrogen Sulfide (ppm)	Methane (%)	Oxygen (%)	Carbon Monoxide (ppm)	VOC (ppm)	Hydrogen Sulfide (ppm)	Methane (%)	Oxygen (%)	Carbon Monoxide (ppm)	LEL (%)
LF2GMP-01	--	--	--	--	--	--	--	--	--	--
LF2GMP-02	0.0	8	19.9	0	0.0	0	6.3	6.8	0	over
LF2GMP-03	--	--	--	--	--	--	--	--	--	--
LF2GMP-04	--	--	--	--	--	--	--	--	--	--
LF2GMP-05	0.0	0	11.0	0	0.0	--	--	--	--	--
LF2GMP-06	0.0	0	18.7	0	0.0	0	0.0	12.1	0	1
LF2GMP-07	--	--	--	--	--	--	--	--	--	--
LF2GMP-08	0.0	0	20.2	0	0.0	--	--	--	--	--
LF2GMP-09	--	--	--	--	--	--	--	--	--	--
LF2VENT-01	0.0	0	19.2	0	0.0	--	--	--	--	--
LF2VENT-02	--	--	--	--	--	--	--	--	--	--
LF2VENT-03	--	--	--	--	--	--	--	--	--	--
LF2VENT-04	0.0	13	20.1	0	0.1	0	1.8	17.1	0	37
LF2VENT-05	0.0	12	20.9	0	0.1	0	0.2	19.0	0	4
LF2VENT-06	0.0	0	20.9	0	0.0	0	0.5	18.9	0	11
LF2VENT-07	0.0	6	19.9	0	0.0	0	2.5	14.9	0	49
LF2VENT-08	--	--	--	--	--	--	--	--	--	--
LF2VENT-09	--	--	--	--	--	--	--	--	--	--
LF2VENT-10	--	--	--	--	--	--	--	--	--	--
LF2VENT-11	--	--	--	--	--	--	--	--	--	--
LF2VENT-12	0.0	21	17.1	0	0.0	0	0.0	18.6	0	1
LF2VENT-13	0.0	0	20.3	0	0.0	--	--	--	--	--
LF2VENT-14	0.0	0	20.9	0	0.0	--	--	--	--	--

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Appendix A-2
LF002 (Landfill 2/3 AOC) Landfill Gas Monitoring Results (2010-2025)
Former Griffiss Air Force Base
Rome, New York

Sample Location	October 2024					November 2025				
	Barometric Pressure (in.) = 29.50 - 29.60					Barometric Pressure (in.) = 30.25				
	Hydrogen Sulfide (ppm)	Methane (%)	Oxygen (%)	Carbon Monoxide (ppm)	LEL (%)	Hydrogen Sulfide (ppm)	Methane (%)	Oxygen (%)	Carbon Monoxide (ppm)	LEL (%)
LF2GMP-01	--	--	--	--	--	--	--	--	--	--
LF2GMP-02	0	5.8	6.3	0	Over	0	0.1	14.5	0	--
LF2GMP-03	--	--	--	--	--	--	--	--	--	--
LF2GMP-04	--	--	--	--	--	--	--	--	--	--
LF2GMP-05	--	--	--	--	--	--	--	--	--	--
LF2GMP-06	--	--	--	--	--	0	0	17.5	0	--
LF2GMP-07	--	--	--	--	--	--	--	--	--	--
LF2GMP-08	--	--	--	--	--	--	--	--	--	--
LF2GMP-09	--	--	--	--	--	--	--	--	--	--
LF2VENT-01	--	--	--	--	--	--	--	--	--	--
LF2VENT-02	--	--	--	--	--	--	--	--	--	--
LF2VENT-03	--	--	--	--	--	--	--	--	--	--
LF2VENT-04	0	0.4	20.3	0	37	0	0.2	20.8	0	--
LF2VENT-05	0	0.7	20.7	0	4	0	3.2	19.7	0	--
LF2VENT-06	0	0.5	20.9	0	11	0	0.8	21.2	0	--
LF2VENT-07	0	0.8	19.6	0	49	0	0	21.8	0	--
LF2VENT-08	--	--	--	--	--	--	--	--	--	--
LF2VENT-09	--	--	--	--	--	--	--	--	--	--
LF2VENT-10	--	--	--	--	--	--	--	--	--	--
LF2VENT-11	--	--	--	--	--	--	--	--	--	--
LF2VENT-12	--	--	--	--	--	0	0	21.5	0	--
LF2VENT-13	--	--	--	--	--	--	--	--	--	--
LF2VENT-14	--	--	--	--	--	--	--	--	--	--

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Appendix A-3 LF009 (Landfill 6 AOC) Landfill Gas Monitoring Results (2010-2025)

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Appendix A-3
LF009 (Landfill 6 AOC) Landfill Gas Monitoring Results (2010-2025)
Former Griffiss Air Force Base
Rome, New York

	February 2010				May 2010				October 2010				May 2011			
	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			
Sample Location	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

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% = percent
in. = inches
LEL = Lower Explosive Limit
ppm = parts per million
VOC = volatile organic compound

Appendix A-3
LF009 (Landfill 6 AOC) Landfill Gas Monitoring Results (2010-2025)
Former Griffiss Air Force Base
Rome, New York

	October 2011				May 2012				October 2012				May 2013			
	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			
Sample Location	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

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in. = inches
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ppm = parts per million
VOC = volatile organic compound

Appendix A-3
LF009 (Landfill 6 AOC) Landfill Gas Monitoring Results (2010-2025)
Former Griffiss Air Force Base
Rome, New York

	October 2013				May 2014				November 2014				May 2015			
	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			
Sample Location	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	l.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

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Appendix A-3
LF009 (Landfill 6 AOC) Landfill Gas Monitoring Results (2010-2025)
Former Griffiss Air Force Base
Rome, New York

	September 2015				November 2016				November 2017				October 2018			
	Barometric Pressure (in.) = 29.32-29.48				Barometric Pressure (in.) = 29.87-29.75				Barometric Pressure (in.) = 29.49 - 29.49				Barometric Pressure (in.) = 30.03 - 29.96			
Sample Location	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	Hydrogen Sulfide (ppm)	Methane (%)	Oxygen (%)	Carbon Monoxide (ppm)
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	0.0	0.0	18.8	0.4	0	1	7	0
LF6VENT-03	0	0.0	20.7	0.0	0	0	15.1	4.3	0.0	0.0	18.5	2.2	0	0.2	9.5	0
LF6VENT-04	0	0.0	20.8	0.0	3	0.1	12.8	2.6	0.0	0.0	19.1	1.7	0	3.4	8.8	0
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	0.0	0.0	19.7	0.6	0	<0.1	14.8	0
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	--	--	--	--	--	--	--	--

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LEL = Lower Explosive Limit
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VOC = volatile organic compound

Appendix A-3
LF009 (Landfill 6 AOC) Landfill Gas Monitoring Results (2010-2025)
Former Griffiss Air Force Base
Rome, New York

	October 2019				September 2020					December 2021					October 2022				
	Barometric Pressure (in.) = 29.38				Barometric Pressure (in.) = 30.0 - 30.3					Barometric Pressure (in.) = 29.7 - 29.8					Barometric Pressure (in.) = 29.89				
Sample Location	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	Hydrogen Sulfide (ppm)	Methane (%)	Oxygen (%)	Carbon Monoxide (ppm)	VOC (ppm)	Hydrogen Sulfide (ppm)	Methane (%)	Oxygen (%)	Carbon Monoxide (ppm)	VOC (ppm)	Hydrogen Sulfide (ppm)	Methane (%)	Oxygen (%)	Carbon Monoxide (ppm)	VOC (ppm)
LF6GMP-01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6GMP-02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6GMP-03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6GMP-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6GMP-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6GMP-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6GMP-07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6GMP-08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6GMP-09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6GMP-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6GMP-11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6GMP-12	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6GMP-13	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6GMP-14	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6GMP-15S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6GMP-15D	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6GMP-16S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6GMP-16D	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6GMP-17S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6GMP-17D	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6VENT-01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6VENT-02	2	<0.1	20.8	0.0	0	2.6	12.5	0	0	0	18.0	8.3	0	0.4	0	0	20.9	0	0
LF6VENT-03	2	<0.1	20.6	0.0	0	0.75	13.1	0	0	0	0	20.9	0	0	--	--	--	--	--
LF6VENT-04	2	<0.1	20.7	0.0	0	4.35	18.4	0	0	0	8.0	11.9	0	0.2	0	0	20.9	0	0
LF6VENT-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6VENT-06	2	<0.1	20.7	0.0	0	0	15.8	0	0	0	0	15.9	0	0	0	0	20.9	0	0
LF6VENT-07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6VENT-08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6VENT-09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6VENT-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6VENT-11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6VENT-12	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6VENT-13	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6VENT-14	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6VENT-15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6VENT-16	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Notes:
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NI = Not Installed
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- - = Not Monitored
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in. = inches
LEL = Lower Explosive Limit
ppm = parts per million
VOC = volatile organic compound

Appendix A-3
LF009 (Landfill 6 AOC) Landfill Gas Monitoring Results (2010-2025)
Former Griffiss Air Force Base
Rome, New York

	September 2023					October 2024					November 2025				
	Barometric Pressure (in.) = 29.59					Barometric Pressure (in.) = 29.36 - 29.69					Barometric Pressure (in.) = 30.25				
Sample Location	Hydrogen Sulfide (ppm)	Methane (%)	Oxygen (%)	Carbon Monoxide (ppm)	LEL (%)	Hydrogen Sulfide (ppm)	Methane (%)	Oxygen (%)	Carbon Monoxide (ppm)	LEL (%)	Hydrogen Sulfide (ppm)	Methane (%)	Oxygen (%)	Carbon Monoxide (ppm)	LEL (%)
LF6GMP-01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6GMP-02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6GMP-03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6GMP-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6GMP-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6GMP-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6GMP-07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6GMP-08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6GMP-09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6GMP-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6GMP-11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6GMP-12	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6GMP-13	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6GMP-14	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6GMP-15S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6GMP-15D	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6GMP-16S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6GMP-16D	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6GMP-17S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6GMP-17D	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6VENT-01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6VENT-02	0	0.0	19.5	0	0	0	0.0	21.1	0	0	0	0.1	21.5	0	--
LF6VENT-03	0	0.0	19.5	0	0	0	0.0	20.8	0	0	0	0.1	21.7	0	--
LF6VENT-04	0	0.0	19.6	0	0	0	0.0	20.4	0	0	0	0.1	21.6	0	--
LF6VENT-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6VENT-06	0	0.0	19.6	0	0	--	--	--	--	--	0	0.1	21.5	0	--
LF6VENT-07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6VENT-08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6VENT-09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6VENT-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6VENT-11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6VENT-12	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6VENT-13	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6VENT-14	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6VENT-15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LF6VENT-16	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

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