

NSPS/BAAQMD Rule 8-34 Semi-Annual Report,  
SSM Plan Semi-Annual Report, Title V Semi-  
Annual Report, and Title V Annual Certification  
Newby Island Landfill  
Milpitas, California (Facility No. 9013)

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This submittal consisting of the New Source Performance Standards (NSPS)/Bay Area Air Quality Management District (BAAQMD) Rule 8-34 Semi-Annual Report, the Semi-Annual Startup, Shutdown, and Malfunction Plan Report, the Title V Semi-Annual Monitoring Report, and the Title V Annual Compliance Certification for the Newby Island Landfill in Milpitas, California, dated February 2021, was prepared and reviewed by the following:



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## SECTION I. NSPS/BAAQMD RULE 8-34 SEMI-ANNUAL REPORT

### 1.0 INTRODUCTION

On behalf of the International Disposal Corporation of California (IDCC), SCS Engineers (SCS) hereby submits this New Source Performance Standard (NSPS), 40 Code of Federal Regulations (CFR) Part 60, Subpart WWW), and Bay Area Air Quality Management District (BAAQMD or District) Rule 8-34 Semi-Annual Report and Semi-Annual Start-up, Shutdown, and Malfunction (SSM) Plan Report for the period of August 1, 2020 through January 31, 2021 to the BAAQMD for the Newby Island Sanitary Landfill and Recyclery (Newby).

This Semi-Annual report also meets the requirements of the National Emissions Standards for Hazardous Air Pollutants (NESHAP) for MSW landfills, 40 CFR 63, Subpart AAAA and complies with the requirements specified in Newby's Title V permit. This Semi-Annual report includes a certification signed by a Responsible Official which is provided in **Appendix A**. In accordance with the NESHAP for Landfills, this report is submitted semi-annually.

The Semi-Annual Report pertains to the landfill gas (LFG) collection and control system (GCCS) operated at Newby.

This report includes the following information, as required by BAAQMD Rule 8-34-411:

- All collection system and/or component downtime and reasons for the shutdown (8-34-501.1).
- All emission control system downtime and reason for the shutdown (8-34-501.2).
- Continuous temperature monitoring and dates of any excesses (8-34-501.3 and 507).
- Testing performed to satisfy of the requirements of this Rule (8-34-501.4).
- Monthly LFG flow rates and excesses (8-34-501.5).
- Collection and emission control system leak testing and any excesses, action taken to correct excesses, and re-monitored concentrations (8-34-501.6 and 503).
- Landfill surface monitoring, location of excesses, excess concentration, date discovered, actions taken to repair the excess, and re-monitored concentrations (8-34-501.6 and 506).
- Annual waste acceptance rate and the current amount of waste in-place (8-34-501.7).
- Records of non-degradable waste if area is excluded from LFG collection (8-34-501.8).
- Well head monitoring including gauge pressure, LFG temperature, and LFG oxygen concentration (8-34-501.9 and 505).
- Continuous flow monitoring (8-34-501.10).

Information summarizing the monitoring activities associated with the above-listed items is provided in the following sections.

## **2.0 SITE BACKGROUND INFORMATION**

Newby is a municipal solid waste (MSW) landfill located in Livermore, California and is owned and operated by International Disposal Corporation of California (IDCC). The municipal refuse disposal site is located in Santa Clary County on the western terminus of Dixon Landing Road. The 342-acre landfill began accepting waste circa 1930 and is currently in operation.

Newby is subject to NSPS Subpart XXX since it commenced construction, reconstruction, or modification after July 17, 2014. Pursuant to NSPS Subpart XXX, Newby was required to initiate gas collection and control system (GCCS) operations, including associated monitoring, recordkeeping, and reporting, on September 4, 2019 (30 months after the submittal of the NMOC Emissions Rate Report). For ease of recordkeeping, Newby elected to begin reporting effective September 1, 2019. However, due to potentially overlapping requirement, Newby is continuing to report semi-annually under NSPS Subpart WWW and Rule 8-34.

### **2.1 EXISTING AIR PERMITS**

Newby maintains a BAAQMD Permit to Operate (PTO) (Plant No. 9013), which includes conditions for the wellfield, collection system, and A-2 and A-3 flare stations (Condition No. 10423). This condition incorporates all applicable requirements from NSPS Subpart WWW and from BAAQMD Rule 8-34, which are addressed in this report. Newby also maintains a Title V Permit (Facility No. A9013), which expired on December 20, 2017. On June 20, 2017, a Title V Renewal Application was submitted to the BAAQMD. The site currently operates under an application shield.

A GCCS Design Plan was prepared for the site to review and determine the adequacy of the existing LFG system. The current design of the system was determined to be adequate to comply with both NSPS and BAAQMD Rule 8-34 requirements. The system design is based on the density of wells calculated to sufficiently extract the maximum flow of LFG generated, according to the United States (U.S.) Environmental Protection Agency (EPA) LFG emissions model (LandGEM). The GCCS is designed to control surface emissions, as well as to minimize subsurface lateral migration of LFG. Both the perimeter of the landfill and the landfill surface are monitored on a quarterly basis. Additional details regarding the GCCS are in the GCCS Design Plan that was previously submitted to the BAAQMD. A drawing showing the existing GCCS is provided in **Appendix B**.

### **2.2 EXISTING LANDFILL GAS COLLECTION AND CONTROL SYSTEM**

The GCCS at Newby consists of extraction wells used to collect the LFG from within the landfill (the “wellfield”) and a piping system (the “collection system”) used to convey the collected LFG to the control systems for destruction. The LFG is extracted from the landfill through a combination of vertical gas extraction wells and horizontal gas extraction trenches/pipes, as well as leachate collection system components. All landfill gas is controlled by one of more of the following means: The A-2 and A-3 Flares or the IC engine power generators operated by the San Jose/Santa Clara Water Pollution Control Plant (Facility #A778).

A diagram of the GCCS displaying system component locations is shown in the site plan(s) provided in **Appendix B**.

## 3.0 MONITORING AND RECORDS

### 3.1 CONTINUOUSLY MONITORED PARAMETERS

According to BAAQMD Rule 8-34-301.1, the GCCS must be operated continuously. To comply with this requirement, the landfill owner/operator is required to maintain full-time operation of the LFG collection system and control devices, as well as individual extraction wells. Downtime for any of these components must be reported in the Rule 8-34 Semi-Annual Report. This information is summarized below and in the attached tables. Records of continuously monitored parameters are available for review at the site.

#### 3.1.1 Gas Extraction System Downtime

During the reporting period, the LFG extraction system was off-line on several occasions for a total of 46.47 hours. Shutdowns involved pre-programmed or manual system shutdowns prior to non-compliant operation or equipment failure, and involved inspection, maintenance and/or repair of the GCCS, and thus meet the criteria for allowed GCCS downtime, as specified in Rule 8-34-113 and in accordance with the BAAQMD November 5, 2018 Compliance Advisory.

A summary of the GCCS downtime for this reporting period is provided in **Table 1a**, including the date, reason for the downtime, description of the corrective measure(s) implemented to resume GCCS operation, and the total elapsed time for each event. Gas extraction system downtime records are available for review at the site.

#### 3.1.2 Emission Control System Downtime

During the reporting period, the A-2 and A-3 Flares were off-line on several occasions. Summaries of the A-2 and A-3 flare downtime are provided in **Table 1b and 1c**, including the date, reason for the downtime, and the total elapsed time for each event. During the reporting period, downtime for the A-2 Flare occurred over a cumulative period of approximately 79.53 hours and for the A-3 Flare over a cumulative period of approximately 106.10 hours. Emission control system downtime records are available for review at the site.

#### 3.1.3 Individual Well Downtime

In some instances, the entire GCCS may not go off-line, but individual extraction wells may be taken off-line for inspection, maintenance, and/or repair, and active filling in the vicinity of the well, as well as for other unforeseen circumstances. These are generally planned events, although such events can occur without notice. During the reporting period, several wells were temporarily taken offline or were taken offline during a previous reporting period and remained offline for a portion of the reporting period due to active filling and construction activities occurring in their vicinity.

On July 7, 2020, IDCC submitted a Request for Limited Exemption from the requirements of BAAQMD Regulation 8-34 117.1 through 117.6 and 118 Construction Plan (118 Plan) for Phases II and III of construction to the BAAQMD. On July 10, 2020, the BAAQMD approved the 118 Plan, which included approval for the disconnection of more than five wells at one time pursuant to BAAQMD 8-34-117. On September 24, 2020, IDCC submitted a 118 Plan Extension Request to the BAAQMD to extend the completion date of construction to December 31, 2020. These wells were taken off-line in

accordance with the requirements of Rule 8-34. Three (3) wells, (NILW558A, NILEW662, NILEW455), remained offline at the end of the reporting period and will be reported as a startup once the filling operations around each well cease and the wells are brought back online.

Thirteen (13) horizontal collectors and forty-five (45) vertical wells were abandoned during the reporting period due to poor gas production. One (1) horizontal collector and fifty-five (55) vertical wells were started up.

Pursuant to permit condition No. 10423, Part 6, the owner/operator must notify the District of expected installation or decommissioning dates. On December 28, 2020, a combined Well Decommissioning and Startup Notification Letter was submitted to the BAAQMD for the well actions noted above.

Details of individual well shutdown and well startups occurring during the reporting period are provided in **Table 2**. Please see the Semi-Annual Startup, Shutdown, and Malfunction (SSM) Report included in this submittal for additional details.

### **3.1.4 Flow Meter and Temperature Gauge Downtime**

The continuous operation of the GCCS is measured through the continuous measurement of LFG flow to each flare and flare combustion temperature. As required by Rule 8-34, each flare at Newby is equipped with flow measuring devices and temperature gauges that provide continuous readout displays using digital chart recorders. During the reporting period, the flow meter(s) and temperature gauge(s)/recorders at the flare station did not go out of operation due to malfunction or other breakdown conditions. Continuous monitoring and calibration information are available for review at the site.

### **3.1.5 Flare Combustion Zone Temperature**

Pursuant to NSPS 40 CFR § 60.768 (Subpart XXX), the flares' temperature for all 3-hour average periods, must be operated at, or above the average process temperature established during the most recent source test, minus 28 °C (82 °F).

During the reporting period, the minimum temperature at which the A-2 flare was required to operate was 1,570 °F (1,652 °F minus 82 °F), based on the February 3, 2020 source test performed by Blue Sky Environmental, Inc. (final report issued on March 18, 2020). During the reporting period, the minimum temperature at which the A-3 flare was required to operate was 1,497°F (1,579 °F minus 82 °F), based on the February 3, 2020 source test performed by Blue Sky Environmental, Inc. (final report issued on March 18, 2020).

During the reporting period, the A-2 flare operated above the minimum established 3-hour average temperature limit at all times, except during periods of SSM.

During the reporting period, the 3-hour average operating temperature for the A-3 flare dropped below the 1,497 °F temperature limit during the intervals provided below which were not during periods of SSM:



### A-3 Flare Temperature Deviations

3-Hour Interval Block	3-Hour Average Temperature (°F)
12/14/20 21:00 to 23:59	1480
12/16/20 0:00 to 2:59	1496
12/18/20 6:00 to 8:59	1481
12/18/20 12:00 to 14:59	1464

These temperature deviations were identified during preparation of this report. This deviation is noted in the Title V reports included with this submittal. In addition, a 10-day Title V deviation report will be submitted under a separate cover letter.

Flare temperature records are available for review at the site.

## 3.2 COMPONENT LEAK QUARTERLY MONITORING

During the reporting period, quarterly testing of the GCCS components for any leaks with a methane concentration of greater than 1,000 parts per million by volume (ppmv), as required by BAAQMD Rule 8-34-503, was conducted. Testing in the wellfield and at the flare station was performed using an organic vapor analyzer (OVA), which was calibrated on the same day as the testing. Monitoring results and calibration records are provided in **Appendix D** and are available for review at the site.

### 3.2.1 Third Quarter 2020 Monitoring

Tetra Tech conducted the component leak testing of the wellfield and flare station on August 10 and 11 and September 9, 2020. No component leaks above 1,000 ppmv were detected in the wellfield or at the flare station during the third quarter 2020 monitoring event.

### 3.2.2 Fourth Quarter 2020 Monitoring

Tetra Tech conducted the component leak testing of the flare station and wellfield on October 5, 26, and 30, 2020. A component leak above 500 ppmv was detected at the wellfield at Well EW-703. Tetra Tech personnel increased the valve position to apply more vacuum onto the well. The well was re-monitored on October 30, 2020 and no additional leaks were detected. No component leaks above 1,000 ppmv were detected in the wellfield or at the flare station during the fourth quarter 2020 monitoring events.

## 3.3 CONTROL EFFICIENCY

LFG flares A-2 and A-3 was also tested on February 3, 2020 to demonstrate compliance with the control efficiency standard of 98 percent NMOC destruction efficiency or outlet concentration of 30 ppmv of NMOC as methane (for flares) as required by BAAQMD Rules 8-34-301.3, 8-34-412, 8-34-501.4, and Condition # 10423, Part 11. The NMOC destruction efficiency for the A-2 Flare during the February 2020 source test was measured to be >99.9 percent by weight, and the NMOC as methane concentration in the flare outlet was <6.0 ppmv. The NMOC destruction efficiency for the A-3 Flare during the February 2020 source test was measured to be >99.8 percent by weight, and the NMOC as methane concentration in the flare outlet was <7.2 ppmv. As such, flares A-2 and A-3 is in compliance with the aforementioned rules and permit condition by meeting the ppmv limit.

Excerpts from the February 2020 source test report dated March 18, 2020, summarizing the test results, are provided in **Appendix C** of this report.

## **3.4 LANDFILL SURFACE EMISSIONS MONITORING**

Surface emissions monitoring (SEM) was conducted at Newby on a quarterly basis during the reporting period, in accordance with BAAQMD Rule 8-34-303 and 8-34-506. The SEM events were conducted in accordance with the SEM plan in the landfill's GCCS Design Plan. Testing was performed using a Trimble SiteFID Landfill Gas Monitor Portable Flame Ionization Detector (FID), which was calibrated the same day as the testing. The results of this monitoring are summarized below. Reports for each quarterly monitoring event are provided in **Appendix D**. Records of SEM are available for review at the site.

### **3.4.1 Third Quarter 2020 Monitoring**

Tetra Tech field technicians monitored the landfill surface for leaks with a methane concentration of greater than 500 ppmv above background on August 10, 11, 12, 13, 2020. Surface emissions in excess of 500 ppmv were detected at nineteen (19) locations during the third quarter 2020 monitoring event. The locations with the exceedances and associated methane concentrations are provided in the third quarter 2020 SEM report (**Appendix D**).

Tetra Tech field technicians performed appropriate corrective actions, including flow increases to the surrounding extraction wells, cover repairs, and installation of borehole emission control systems. Tetra Tech completed the 10-day re-monitoring event for these locations on August 19 and 20, 2020. All the locations were under the 500 ppmv threshold and thus back in compliance. Tetra Tech performed the 1-month re-monitoring event, as required by NSPS, on September 1, 2020, and all locations remained in compliance.

### **3.4.1 Fourth Quarter 2020 Monitoring**

Tetra Tech monitored the landfill surface for leaks with a methane concentration of greater than 500 ppmv above background on October 26, 27, 28, and 29, 2020. Surface emissions in excess of 500 ppmv were detected at twenty-one (21) locations during the fourth quarter 2020 monitoring event. The locations with the exceedances and associated methane concentrations are provided in the fourth quarter 2020 SEM report (**Appendix D**).

Tetra Tech field technicians performed appropriate corrective actions, including flow increases to the surrounding extraction wells and borehole repairs. Tetra Tech completed the 10-day re-monitoring event for these locations on November 5, 2020. All the locations were under the 500 ppmv threshold and thus back in compliance. Tetra Tech performed the 1-month re-monitoring event, as required by NSPS, on November 17, 2020, and all locations remained in compliance.

## **3.5 WELLHEAD MONTHLY MONITORING**

Monthly wellhead monitoring for pressure, temperature, and oxygen content was conducted by Tetra Tech from August through December 2021 to comply with BAAQMD Rule 8-34-305 and 9-34-414. The results of this monitoring are summarized below. Wellhead exceedances are provided in **Table 3, 4, and 5**.

Please note that during the reporting period, all active wells were monitored.

### 3.5.1 Pressure

The majority of the operational extraction wells were under negative pressure during the monitoring events conducted during the reporting period, in accordance with BAAQMD Rule 8-34-305 and 8-34-414. For any wells that exhibited positive pressure during this reporting period, the identification number and dates that each well was operating with positive pressure are provided in **Table 3**. The table also includes corrective action and re-monitoring results. In all instances, corrective action and re-monitoring were performed in accordance with the 5- and 15-day requirements specified in the NSPS regulations and in Rule 8-34.

No wells demonstrated a positive pressure reading at the end of the reporting period.

### 3.5.2 Oxygen

Newby has elected to use oxygen as its compliance standard under Rule 8-34-305, rather than nitrogen. Per Newby's PTO Condition No. 10423, Part 6(c), the oxygen concentration limit does not apply to the wells listed below, provided that the oxygen concentration in the LFG at the main header does not exceed five percent oxygen by volume (dry basis) and the methane concentration in the LFG at the main header is greater than 35 percent by volume (dry basis). The oxygen Higher Operating Value (HOV) of 15% is approved for wells: 3ORR, EW-13, IOIR, HC- 201. The oxygen HOV of 20% is approved for wells: HC-231, HC- 232, HC- 235, HC-237, HC- 241.

The majority of the wells were operating within the regulatory limit of five (5) percent oxygen during the monitoring events conducted during the reporting period. The dates when wells were operating with excessive oxygen, and the well identification number, corrective actions, and re-monitoring results for these wells are provided in **Table 4**.

As of the end of the reporting period, all of the operating wells were operating with an oxygen concentration below the 5 percent limit except for wells NILEW730, NILLEW16, and NILW475A. Well NILE730 has since come back into compliance. The other two wells will be returned to below the 5 percent limit as specified in BAAQMD Rule 8-34-414, and compliance will be documented in the next semi-annual report.

As of the end of the previous reporting period, well NILEW621 was operating with an oxygen concentration above the 5 percent limit. The well was back in compliance within the timeline specified in 8-34-414.

### 3.5.3 Temperature

BAAQMD Rule 8-34-305 requires the landfill gas temperature in each wellhead to measure less than 55 degrees Celsius (°C) or 131°F. However, Condition No. 10423, Part 6(d) in Newby's BAAQMD PTO allows Newby to operate wells EW-39R, EW-40R, EW-14, EW-37, EW-005, EW-00A, EW-00D, EW-00E, EW-019, EW-025, EW-106, EW-218, EW-224, EW-243, EW-51R, EW-54R, NI3EW07R, NI3EW31, NILEW106, NILEW464, NILEW466, NILEW479, NILEW481, NILEW482, NILEW488, NILEW489, NILEW497, NILEW511, NILEW568, NILEW570, NILEW599, NILEW601, NILEW604, NILEW617, NILEW621, NILEW622, NILEW623, NILEW626, NILEW628, NILEW663, NILEW664, NILEW665, NILEW666, and NILEW667 at an alternative temperature of 145°F and well EW-07R at an alternative temperature of 150°F.

The majority of wells were operating within their respective limits of 131 °F, 145 °F, and 150 °F during the monitoring events conducted during the reporting period. The dates when wells were operating above their respective temperature limits, and the well identification number, correction actions, and re-monitoring results for these wells are provided in **Table 5**.

As of the end of the reporting period, wells NILEW690 and NILEW703 were operating with a temperature higher than 131 °F.

As of the end of the previous reporting period, wells NILEW476, NILEW690, and NILEW691 were operating with a temperature higher than 131 °F. These wells returned to compliance within the timelines specified in 8-34-414.

An HOV application to request an increase of the allowable wellhead temperature limit from 131 °F to 145 °F for wells NILEW690 and NILEW691 was submitted to the USEPA and BAAQMD on February 6, 2020. The BAAQMD has provided approval of these HOV limits pending approval from the USEPA. IDCC has followed up with the USEPA regarding the application on August 6, 18, September 21, and October 27, 2020. IDCC is currently awaiting a response from the USEPA.

### **3.6 COVER INTEGRITY MONITORING**

Under BAAQMD Rule 8-34-510 and the NSPS, the landfill surface must be monitored at least monthly for evidence of cracks or other surface integrity issues, which could allow for surface emissions. During the reporting period, cover integrity monitoring was conducted by Tetra Tech personnel in conjunction with the wellhead monitoring on August 31, September 8 and 28, October 5 and 28, November 30, December 30, 2020, and January 29, 2021 using procedures specified in the GCCS Design Plan. The observations during these monitoring events indicated the landfill surface was in good condition. In the event visual evidence suggested otherwise, the surface will be promptly repaired. Records of cover integrity monitoring are available for review upon request.

### **3.7 GAS GENERATION ESTIMATE AND MONTHLY LANDFILL GAS FLOW RATES**

The Newby is not subject to Rule 8-34-404 because the Landfill does not operate less than continuously. Therefore, monthly flow data are not required to be reported.

### **3.8 ANNUAL WASTE ACCEPTANCE RATE AND REFUSE IN PLACE**

Newby is an active landfill that continues to accept refuse for disposal. From August 1, 2020 through January 31, 2021, the site accepted 695,881.03 tons of decomposable waste and cover material, resulting in a cumulative waste-in-place total of 35,924,611.35 tons as of January 31, 2021.

### 3.8.1 Non-Degradable Waste Areas

No areas of non-degradable waste deposition are known to exist. There are no landfill areas that are excluded from the collection system requirements.

## SECTION II. SSM PLAN REPORT

As mentioned previously, Newby is subject to 40 CFR Part 63, Subpart AAAAA, the NESHAPS for MSW Landfills. Newby maintains a SSM Plan which documents the procedures for operating and maintaining the affected elements of the GCCS during startup, shutdown, and malfunction (SSM). The SSM events that occurred during the reporting period of August 1, 2020 through January 31, 2021 are documented in this section.

During the reporting period, there were fifty-four (54) SSM events involving shutdown of the entire GCCS. Eleven (11) of these events were planned startups/shutdowns and forty-three (43) of these startup/shutdown events were associated with a malfunction of the GCCS.

During the reporting period, there were one hundred fifty-four (154) SSM events involving the wellfield. Additional wells were offline from previous reporting periods and remained offline for all or a portion of the reporting period. These events involved planned shutdowns of several wells on various dates due to active landfilling in the vicinity of these wells. All wells except for NILW558A, NILEW662, NILEW455 remained offline as of the end of the reporting period and will be reported as startups once the landfilling activities in the vicinity of these wells cease and the wells are brought back online. There were no malfunctions of any of the wellfield components during the reporting period.

During the reporting period, there were no planned startups/shutdowns or known malfunctions of LFG monitoring equipment (e.g. flow measuring/recording device, temperature measuring/recording device).

In each case described above, the SSM Plan was successfully implemented. Specific information regarding these SSMs are included in **Tables 1a (entire GCCS), 1b (flares), and 2 (wells)**.

No revisions were made to the SSM Plan during this reporting period. A copy of the SSM Plan and all revisions/addenda are kept on file at the facility for at least five (5) years and are available to appropriate regulatory agency personnel for inspection.

### **SECTION III. TITLE V SEMI-ANNUAL REPORT**

As specified in 40 Code of Federal Regulation (CFR) Part 70, reports of any required monitoring must be submitted at least every 6 months. All instances of deviations from permit requirements for the semi-annual reporting period, specified in the Landfill's Initial Title V Permit as August 1 through January 31 and February 1 through July 31, must be clearly identified in each report. This Title V Report covers the August 1, 2020 through January 31, 2021 reporting period.

This report has been prepared based on Table VII (Applicable Limits and Compliance Monitoring Requirements) of the Landfill's MFR Permit. The report includes a certification by a responsible official, consistent with §70.5(d).

The full Title V Semi-Annual Report, including certification by a responsible official, is provided as **Appendix E**.

## SECTION IV. ANNUAL TITLE V COMPLIANCE CERTIFICATION

A Title V Annual Compliance Certification has been prepared for the annual period specified in the Title V permit. The annual certification period for this report extends from February 1, 2020 to January 31, 2021.

As specified in 40 CFR Part 70, the compliance certification shall include all of the following:

- The identification of each federally-enforceable term or condition of the permit that is the basis of the certification;
- The identification of the method(s) or other means used by the owner or operator for determining the compliance status with each term and condition during the certification period; and
- The status of compliance with the terms and conditions of the permit for the period covered by the certification, including whether compliance during the period was continuous or intermittent.

The full Compliance Certification is provided as **Appendix F**.

## Tables



**Table 1a. GCCS Downtime  
Newby Island Landfill, Milpitas, California  
(August 1, 2020 through January 31, 2021)**

GCCS Shutdown	Restarted	Downtime Hours	Reason for Downtime	Corrective Actions Taken
8/14/20 12:30	8/14/20 13:20	0.83	A-2 and A-3 Flares automatically shutdown due to pilot flame failure.	Tetra Tech operations and maintenance (O&M) personnel troubleshot the flares and replaced the propane tank. Flares restarted.
8/19/20 13:04	8/19/20 13:08	0.07	A-2 and A-3 Flares manually shutdown due to blower maintenance.	Tetra Tech O&M personnel troubleshot blower check valve. Flares restarted.
8/20/20 9:44	8/20/20 10:00	0.27	A-2 and A-3 Flares automatically shutdown for due to block valve failure, as a safety measure and to prevent damage to flare.	Flare restarted following pulling of sumps.
9/5/20 9:30	9/5/20 12:58	3.47	A-2 and A-3 Flares automatically shutdown for due to block valve failure, as a safety measure and to prevent damage to flare.	Flares inspected and restarted.
9/8/20 7:42	9/8/20 11:36	3.90	A-3 Flare manually shutdown due to burner tip maintenance. A-2 Flare automatically shutdown due to flame failure.	Operations and maintenance (O&M) personnel cleaned flare tips and purged propane lines. Flares restarted.
9/11/20 10:36	9/11/20 10:42	0.10	A-2 and A-3 Flares manually shutdown due to blower maintenance.	Dahl-Beck personnel cleaned flare filters and brought blowers online.
9/22/20 11:00	9/22/20 11:08	0.13	A-2 and A-3 Flares automatically shutdown due to preventative maintenance by John Zink Technician.	John Zink personnel was onsite for Zule maintenance. Flares inspected and restarted.
9/22/20 13:02	9/22/20 13:12	0.17	A-2 and A-3 Flares automatically shutdown due to preventative maintenance by John Zink Technician.	John Zink personnel was onsite for Zule maintenance. Flares inspected and restarted.
9/22/20 13:14	9/22/20 13:26	0.20	A-2 and A-3 Flares automatically shutdown due to preventative maintenance by John Zink Technician.	John Zink personnel was onsite for Zule maintenance. Flares inspected and restarted.
9/22/20 13:34	9/22/20 13:36	0.03	A-2 and A-3 Flares automatically shutdown due to preventative maintenance by John Zink Technician.	John Zink personnel was onsite for Zule maintenance. Flares inspected and restarted.
9/23/20 9:36	9/23/20 9:42	0.10	A-2 and A-3 Flares automatically shutdown due to low temperature and low flow.	O&M personnel surveyed the field for a potential air leak and tightened and buttoned two flex hoses down. Flares inspected and restarted.
9/23/20 13:18	9/23/20 13:26	0.13	A-2 and A-3 Flares automatically shutdown due to low temperature and low flow.	O&M personnel surveyed the field for a potential air leak and tightened and buttoned two flex hoses down. Flares inspected and restarted.
9/24/20 2:30	9/24/20 2:38	0.13	A-2 and A-3 Flares automatically shutdown due to low temperature and low flow.	Flares inspected and restarted.

Table 1a. GCCS Downtime  
 Newby Island Landfill, Milpitas, California  
 (August 1, 2020 through January 31, 2021)

9/25/20 13:50	9/25/20 16:44	2.90	A-2 and A-3 Flares automatically shutdown due to a short in the transformer powering the flare station.	<p>On September 25, 2020, an electrical malfunction occurred at the flare station which caused the A-2 and A-3 Flares to automatically shut down. Site personnel immediately contacted John Zink to request emergency assistance in determining the cause of the malfunction and to repair the issue. John Zink and personnel were dispatched and arrived on site on the same day and discovered that a short circuit had occurred at the transformer powering the flare station. O&amp;M and John Zink personnel conducted repairs at the flare station and additional inspection and maintenance and restarted the flares. International Disposal Corporation of California (IDCC) personnel submitted a verbal report via the Bay Area Air Quality Management District (BAAQMD) after-hours hotline and submitted a Reportable Compliance Activity (RCA) Form to the BAAQMD on September 25, 2020. On September 28, 2020, the BAAQMD issued RCA IDs 07V57 and 07V58 for the breakdown and parametric excursion, respectively. A combined 10-day and 30-day Follow-up Notification and Title V Report was submitted on October 5, 2020.</p>
9/25/20 16:52	9/25/20 19:20	2.47	A-2 and A-3 Flares automatically shutdown due to a short in the transformer powering the flare station.	<p>On September 25, 2020, an electrical malfunction occurred at the flare station which caused the A-2 and A-3 Flares to automatically shut down. Site personnel immediately contacted John Zink to request emergency assistance in determining the cause of the malfunction and to repair the issue. John Zink and personnel were dispatched and arrived on site on the same day and discovered that a short circuit had occurred at the transformer powering the flare station. O&amp;M and John Zink personnel conducted repairs at the flare station and additional inspection and maintenance and restarted the flares. IDCC personnel submitted a verbal report via the BAAQMD afterhours hotline and submitted an RCA Form to the BAAQMD on September 25, 2020. On September 28, 2020, the BAAQMD issued RCA IDs 07V57 and 07V58 for the breakdown and parametric excursion, respectively. A combined 10-day and 30-day Follow-up Notification and Title V Report was submitted on October 5, 2020.</p>
9/28/20 10:16	9/28/20 11:32	1.27	A-2 and A-3 Flares automatically shutdown due to block valve failure indicative of excessive vibration, as a safety measure and to prevent flare damage.	O&M personnel replaced propane tanks and tightened connections. O&M personnel inspected the wellfield for a potential air leak.
9/28/20 18:32	9/28/20 18:42	0.17	A-2 and A-3 Flares automatically shutdown due to block valve failure indicative of excessive vibration, as a safety measure and to prevent flare damage.	O&M personnel replaced propane tanks and tightened connections. O&M personnel inspected the wellfield for a potential air leak.

**Table 1a. GCCS Downtime  
Newby Island Landfill, Milpitas, California  
(August 1, 2020 through January 31, 2021)**

9/28/20 21:50	9/28/20 22:38	0.80	A-2 and A-3 Flares automatically shutdown due to block valve failure indicative of excessive vibration, as a safety measure and to prevent damage to flare.	O&M personnel replaced propane tanks and tightened connections. O&M personnel inspected the wellfield for a potential air leak.
10/12/20 10:08	10/12/20 10:14	0.10	A-2 and A-3 Flares were manually shutdown for blower maintenance.	Daul-Beck and O&M personnel repaired the blowers.
10/12/20 11:22	10/12/20 11:34	0.20	A-2 and A-3 Flares were manually shutdown for blower maintenance.	Daul-Beck and O&M personnel repaired the blowers.
10/14/20 10:36	10/14/20 10:48	0.20	A-2 and A-3 Flares were automatically shutdown due to gas collection and control system (GCCS) isolations and tie-ins. Shutdown associated with work performed per GCCS improvement work covered under Rule 8-34-118 Construction Plan submitted and approved by BAAQMD.	O&M personnel restarted the flares and adjusted the vacuum set points.
10/14/20 11:18	10/14/20 11:26	0.13	A-2 and A-3 Flares were automatically shutdown due to GCCS isolations and tie-ins (per approved Construction Plan).	O&M personnel restarted the flares and adjusted the vacuum set points.
10/14/20 12:00	10/14/20 12:08	0.13	A-2 and A-3 Flares were automatically shutdown due to GCCS isolations and tie-ins (per approved Construction Plan).	O&M personnel restarted the flares and adjusted the vacuum set points.
10/14/20 16:54	10/14/20 17:06	0.20	A-2 and A-3 Flares were automatically shutdown due to GCCS isolations and tie-ins (per approved Construction Plan).	O&M personnel restarted the flares and adjusted the vacuum set points.
10/14/20 17:20	10/14/20 17:26	0.10	A-2 and A-3 Flares were automatically shutdown due to GCCS isolations and tie-ins (per approved Construction Plan).	O&M personnel restarted the flares and adjusted the vacuum set points.
10/14/20 17:34	10/14/20 17:40	0.10	A-2 and A-3 Flares were automatically shutdown due to GCCS isolations and tie-ins (per approved Construction Plan).	O&M personnel restarted the flares and adjusted the vacuum set points.
10/14/20 17:46	10/14/20 18:00	0.23	A-2 and A-3 Flares were automatically shutdown due to GCCS isolations and tie-ins (per approved Construction Plan).	O&M personnel restarted the flares and adjusted the vacuum set points.
10/17/20 14:38	10/17/20 14:50	0.20	A-2 and A-3 Flares were automatically shutdown due to GCCS isolations and tie-ins (per approved Construction Plan).	O&M personnel restarted the flares and adjusted the vacuum set points.
10/17/20 15:14	10/17/20 15:20	0.10	A-2 and A-3 Flares were automatically shutdown due to GCCS isolations and tie-ins (per approved Construction Plan).	O&M personnel restarted the flares and adjusted the vacuum set points.
10/17/20 16:32	10/17/20 16:40	0.13	A-2 and A-3 Flares were automatically shutdown due to GCCS isolations and tie-ins (per approved Construction Plan).	Flares automatically restarted. O&M personnel verified the cause of shutdown and inspected the flare station.
11/2/20 2:42	11/2/20 7:24	4.70	A-2 and A-3 Flares automatically shutdown due to pilot light/flame failure.	Tetra Tech Operations and maintenance (O&M) personnel replaced the propane tanks and restarted the flares.
11/18/20 7:34	11/18/20 20:30	12.93	A-2 and A-3 Flares were automatically shutdown due to GCCS isolations and tie-ins (per approved Construction Plan).	Flares automatically restarted. O&M personnel verified the cause of shutdown and inspected the flare station.
11/19/20 6:32	11/19/20 6:56	0.40	A-2 and A-3 Flares were automatically shutdown due to GCCS isolations and tie-ins (per approved Construction Plan).	Flares automatically restarted. O&M personnel verified the cause of shutdown and inspected the flare station.

**Table 1a. GCCS Downtime  
Newby Island Landfill, Milpitas, California  
(August 1, 2020 through January 31, 2021)**

11/19/20 6:58	11/19/20 7:04	0.10	A-2 and A-3 Flares were automatically shutdown due to GCCS isolations and tie-ins (per approved Construction Plan).	Flares automatically restarted. O&M personnel verified the cause of shutdown and inspected the flare station.
11/19/20 7:06	11/19/20 10:34	3.47	A-2 and A-3 Flares were automatically shutdown due to GCCS isolations and tie-ins (per approved Construction Plan).	Flares automatically restarted. O&M personnel verified the cause of shutdown and inspected the flare station.
11/23/20 9:48	11/23/20 9:54	0.10	A-2 and A-3 Flares were manually shutdown for blower maintenance.	Flares automatically restarted. O&M personnel verified the cause of shutdown and inspected the flare station.
11/23/20 10:04	11/23/20 10:12	0.13	A-2 and A-3 Flares were manually shutdown for blower maintenance.	Flares automatically restarted. O&M personnel verified the cause of shutdown and inspected the flare station.
12/2/20 22:10	12/2/20 22:22	0.20	A-2 and A-3 Flares automatic shutdown due to blow valve failure, as a safety measure and to prevent damage to flare.	O&M personnel opened the closed valve and restarted the flares, after inspection.
12/3/20 21:52	12/3/20 22:04	0.20	A-2 Flare automatic safety shutdown due to blow valve failure, and to prevent flare damage. A-3 Flare automatically shutdown due to low gas flow.	O&M personnel opened the closed valve and restarted the flares, after inspection.
12/11/20 8:44	12/11/20 11:32	2.80	A-2 Flare automatically shutdown due to flame failure. A-3 Flare automatically shutdown due to high separator level.	O&M personnel resolved issue with new Knock-Out-Pot (KOP) software and restarted the flares.
12/11/20 13:20	12/11/20 13:42	0.37	A-2 Flare automatically shutdown due to high separator level. A-3 Flare automatically shutdown due to low gas flow.	O&M personnel resolved issue with new KOP software and restarted the flares.
12/16/20 8:58	12/16/20 9:08	0.17	A-2 Flare automatically shutdown due to flame failure. A-3 Flare automatically shutdown due to low gas flow.	O&M personnel completed inspection then restarted the flares.
12/16/20 9:36	12/16/20 9:54	0.30	A-2 and A-3 Flares automatically shutdown due to low gas flow.	O&M personnel completed inspection then restarted the flares.
12/16/20 16:58	12/16/20 17:06	0.13	A-2 and A-3 Flares automatically shutdown due to low temperature.	O&M personnel completed inspection then restarted the flares.
12/19/20 0:28	12/19/20 0:34	0.10	A-2 and A-3 Flares automatically shutdown due to low temperature.	O&M personnel completed inspection then restarted the flares.
12/19/20 20:00	12/19/20 20:06	0.10	A-2 and A-3 Flares automatically shutdown due to low gas flow.	O&M personnel completed inspection then restarted the flares.
12/20/20 14:52	12/20/20 15:00	0.13	A-2 and A-3 Flares automatically shutdown due to low temperature.	O&M personnel completed inspection then restarted the flares.
12/23/20 22:04	12/23/20 22:22	0.30	A-2 and A-3 Flares automatically shutdown due to low temperature.	O&M personnel completed inspection then restarted the flares.
1/12/21 15:04	1/12/21 15:10	0.10	A-2 and A-3 Flares automatically shutdown due to low gas flow.	O&M personnel completed inspection then restarted the flares.
1/13/21 18:28	1/13/21 18:36	0.13	A-2 and A-3 Flares automatically shutdown due to low gas flow.	O&M personnel completed inspection then restarted the flares.
1/14/21 11:36	1/14/21 11:48	0.20	A-2 and A-3 Flares automatically shutdown due to low gas flow.	O&M personnel completed inspection then restarted the flares.

**Table 1a. GCCS Downtime  
Newby Island Landfill, Milpitas, California  
(August 1, 2020 through January 31, 2021)**

1/26/21 7:10	1/26/21 7:18	0.13	A-2 and A-3 Flares automatically shutdown due to low gas flow.	O&M personnel completed inspection then restarted the flares.
1/27/21 4:10	1/27/21 4:22	0.20	A-2 and A-3 Flares automatically shutdown due to low gas flow.	O&M personnel completed inspection then restarted the flares.
1/28/21 22:24	1/28/21 22:30	0.10	A-2 and A-3 Flares automatically shutdown due to low gas flow.	O&M personnel completed inspection then restarted the flares.
<b>Total:</b>		<b>46.47</b>		

**Notes:**

**Events in bold type denotes Malfunction Events**

Downtimes listed represent periods when all landfill gas combustion devices were offline concurrently (no gas flow from the collection system).

All events listed involved GCCS inspection and/or maintenance activities prior to start up (or as soon as feasible following programmed startups) in accordance with Rule 8-34-113 requirements and the BAAQMD Compliance Advisory for Municipal Solid Waste Landfills, dated November 5, 2018, with the exception of the two events that occurred on September 25, 2020, which involved electrical malfunction. These events were considered a reportable compliance activity (RCA) and breakdown relief was requested.

**Table 1b. Flare (A-2) Downtime  
Newby Island Landfill, Milpitas, California  
(August 1, 2020 through January 31, 2021)**

Shutdown	Startup	Downtime Hours	Reason for Downtime
8/14/20 12:30	8/14/20 13:34	1.07	Automatic shutdown due to pilot flame failure.
8/19/20 13:04	8/19/20 13:10	0.10	Manual shutdown due to blower maintenance.
8/20/20 9:44	8/20/20 10:10	0.43	Automatic shutdown due flame failure.
8/24/20 9:12	8/24/20 10:10	0.97	Manual shutdown due to flow meter maintenance.
9/5/20 9:30	9/5/20 13:10	3.67	Automatic shutdown due to block valve failure.
9/8/20 7:42	9/8/20 11:36	3.90	Automatic shutdown due to flame failure.
9/11/20 10:36	9/11/20 10:42	0.10	Manual shutdown for blower maintenance.
9/22/20 11:00	9/22/20 11:08	0.13	Manual shutdown for preventative maintenance by John Zink Technician.
9/22/20 13:00	9/22/20 13:36	0.60	Manual shutdown for preventative maintenance by John Zink Technician.
9/23/20 8:46	9/23/20 8:54	0.13	Manual shutdown due to Sump 18 cleaning.
9/23/20 9:36	9/23/20 9:42	0.10	Automatic shutdown due to low temperature and flow.
9/23/20 13:18	9/23/20 13:26	0.13	Automatic shutdown due to low temperature and flow.
9/24/20 2:30	9/24/20 2:38	0.13	Automatic shutdown due to low temperature and flow.
9/25/20 13:50	9/25/20 16:44	2.90	Automatic shutdown due to a short in the transformer powering the flare station.
9/25/20 16:52	9/25/20 19:22	2.50	Automatic shutdown due to a short in the transformer powering the flare station.
9/28/20 10:16	9/28/20 16:40	6.40	Automatic shutdown due to block valve failure.
9/28/20 18:32	9/28/20 23:04	4.53	Automatic shutdown due to block valve failure.
10/1/20 8:44	10/1/20 10:40	1.93	Manual shutdown due to flare inspection.
10/12/20 10:08	10/12/20 10:14	0.10	Manual shutdown due to blower maintenance.
10/12/20 11:22	10/12/20 11:34	0.20	Manual shutdown due to blower maintenance.
10/14/20 10:36	10/14/20 10:48	0.20	Automatic shutdown due to gas collection and control system (GCCS) isolations and tie-ins.
10/14/20 11:18	10/14/20 11:26	0.13	Automatic shutdown due to GCCS isolations and tie-ins.
10/14/20 12:00	10/14/20 16:52	4.87	Automatic shutdown due to GCCS isolations and tie-ins.
10/14/20 16:54	10/14/20 17:06	0.20	Automatic shutdown due to GCCS isolations and tie-ins.
10/14/20 17:20	10/14/20 17:26	0.10	Automatic shutdown due to GCCS isolations and tie-ins.
10/14/20 17:34	10/14/20 17:40	0.10	Automatic shutdown due to GCCS isolations and tie-ins.
10/14/20 17:46	10/14/20 18:00	0.23	Automatic shutdown due to GCCS isolations and tie-ins.
10/17/20 14:38	10/17/20 14:50	0.20	Automatic shutdown due to GCCS isolations and tie-ins.
10/17/20 15:14	10/17/20 15:22	0.13	Automatic shutdown due to GCCS isolations and tie-ins.
10/17/20 16:32	10/17/20 16:40	0.13	Automatic shutdown due to GCCS isolations and tie-ins.
11/2/20 2:42	11/2/20 7:34	4.87	Automatic shutdown due to pilot light/flame failure.
11/18/20 7:34	11/19/20 11:40	28.10	Automatic shutdown due to GCCS isolations and tie-ins.
11/23/20 9:48	11/23/20 9:54	0.10	Manual shutdown due to blower maintenance.
11/23/20 10:04	11/23/20 10:12	0.13	Manual shutdown due to blower maintenance.
12/2/20 22:10	12/2/20 23:06	0.93	Automatic shutdown due to block valve failure.
12/3/20 21:52	12/4/20 0:28	2.60	Automatic shutdown due to block valve failure.

**Table 1b. Flare (A-2) Downtime  
Newby Island Landfill, Milpitas, California  
(August 1, 2020 through January 31, 2021)**

Shutdown	Startup	Downtime Hours	Reason for Downtime
12/11/20 8:44	12/11/20 11:32	2.80	Automatic shutdown due to flame failure.
12/11/20 13:20	12/11/20 13:54	0.57	Automatic shutdown due to high separator level.
12/16/20 8:58	12/16/20 9:56	0.97	Automatic shutdown due to flame failure.
12/16/20 16:58	12/16/20 17:06	0.13	Automatic shutdown due to low temperature.
12/19/20 0:28	12/19/20 0:34	0.10	Automatic shutdown due to low temperature.
12/19/20 20:00	12/19/20 20:06	0.10	Automatic shutdown due to low flow.
12/20/20 14:52	12/20/20 15:00	0.13	Automatic shutdown due to low temperature.
12/23/20 22:04	12/23/20 22:22	0.30	Automatic shutdown due to low temperature.
1/12/21 15:04	1/12/21 15:10	0.10	Automatic shutdown due to low gas flow.
1/13/21 18:28	1/13/21 18:36	0.13	Automatic shutdown due to low gas flow.
1/14/21 11:36	1/14/21 11:58	0.37	Automatic shutdown due to low gas flow.
1/14/21 12:00	1/14/21 12:20	0.33	Automatic shutdown due to low gas flow.
1/26/21 7:10	1/26/21 7:18	0.13	Automatic shutdown due to low gas flow.
1/27/21 4:10	1/27/21 4:22	0.20	Automatic shutdown due to low gas flow.
1/28/21 22:24	1/28/21 22:30	0.10	Automatic shutdown due to low gas flow.
<b>Total</b>		<b>79.53</b>	

**Notes:**

**Events in bold type denotes Malfunction Events**

All events listed involved GCCS inspection and/or maintenance activities prior to start up (or as soon as feasible following programmed startups) in accordance with Rule 8-34-113 requirements and the BAAQMD Compliance Advisory for Municipal Solid Waste Landfills, dated November 5, 2018, with the exception of the two events that occurred on September 25, 2020, which involved an electrical malfunction. These events were considered a reportable compliance activity (RCA) and breakdown relief was requested.

**Table 1c. Flare (A-3) Downtime**  
**Newby Island Landfill, Milpitas, California**  
**(August 1, 2020 through January 31, 2021)**

Shutdown	Startup	Downtime Hours	Reason for Downtime
8/6/20 13:18	8/6/20 13:36	0.30	Automatic shutdown due to low temperature.
8/10/20 8:02	8/10/20 8:16	0.23	Automatic shutdown due to low flow.
8/10/20 8:20	8/10/20 10:48	2.47	Automatic shutdown due to low flow.
8/14/20 12:30	8/14/20 13:20	0.83	Automatic shutdown due to pilot flame failure.
8/19/20 12:38	8/19/20 12:48	0.17	Manual shutdown due to blower maintenance.
8/19/20 13:02	8/19/20 13:08	0.10	Manual shutdown due to blower maintenance.
8/20/20 9:44	8/20/20 10:00	0.27	Automatic shutdown due flame failure.
8/22/20 15:32	8/22/20 16:18	0.77	Automatic shutdown due to low flow.
8/24/20 17:16	8/24/20 17:52	0.60	Automatic shutdown due to flame failure.
8/27/20 13:16	8/27/20 14:04	0.80	Automatic shutdown due to low temperature.
9/5/20 9:30	9/5/20 12:58	3.47	Automatic shutdown due to block valve failure.
9/5/20 16:56	9/5/20 20:58	4.03	Automatic shutdown due to block valve failure.
9/6/20 12:50	9/6/20 15:10	2.33	Automatic shutdown due to block valve failure.
9/8/20 7:42	9/8/20 14:52	7.17	Manual shutdown due to burner tip maintenance.
9/9/20 0:22	9/9/20 8:42	8.33	Automatic shutdown due to low temperature and flow.
9/9/20 8:52	9/9/20 8:58	0.10	Manual shutdown due to blower maintenance.
9/9/20 9:22	9/9/20 9:42	0.33	Manual shutdown due to blower maintenance.
9/11/20 10:34	9/11/20 10:46	0.20	Manual shutdown due to blower maintenance.
9/22/20 11:00	9/22/20 12:16	1.27	Manual shutdown for preventative maintenance by John Zink Technician.
9/22/20 13:02	9/22/20 13:12	0.17	Manual shutdown for preventative maintenance by John Zink Technician.
9/22/20 13:14	9/22/20 13:26	0.20	Manual shutdown for preventative maintenance by John Zink Technician.
9/22/20 13:34	9/22/20 13:44	0.17	Manual shutdown for preventative maintenance by John Zink Technician.
9/22/20 13:48	9/22/20 13:52	0.07	Manual shutdown for preventative maintenance by John Zink Technician.
9/22/20 13:58	9/22/20 14:04	0.10	Manual shutdown for preventative maintenance by John Zink Technician.
9/23/20 8:46	9/23/20 8:56	0.17	Automatic shutdown due to low temperature and flow.
9/23/20 9:34	9/23/20 9:42	0.13	Automatic shutdown due to low temperature and flow.
9/23/20 13:18	9/23/20 13:28	0.17	Automatic shutdown due to low temperature and flow.
9/24/20 2:30	9/24/20 2:42	0.20	Automatic shutdown due to low temperature and flow.
9/25/20 13:50	9/25/20 19:20	5.50	Automatic shutdown due to a short in the transformer powering the flare station.
9/28/20 10:16	9/28/20 11:32	1.27	Automatic shutdown due to block valve failure.
9/28/20 17:08	9/28/20 18:42	1.57	Automatic shutdown due to block valve failure.
9/28/20 21:50	9/28/20 22:38	0.80	Automatic shutdown due to block valve failure.
10/12/20 10:08	10/12/20 10:16	0.13	Manual shutdown due to blower maintenance.
10/12/20 11:22	10/12/20 11:42	0.33	Manual shutdown due to blower maintenance.
10/14/20 10:36	10/14/20 10:56	0.33	Automatic shutdown due to gas collection and control system (GCCS) isolations and tie-ins.
10/14/20 11:18	10/14/20 12:08	0.83	Automatic shutdown due to GCCS isolations and tie-ins.
10/14/20 16:54	10/14/20 17:06	0.20	Automatic shutdown due to GCCS isolations and tie-ins.



**Table 1c. Flare (A-3) Downtime  
Newby Island Landfill, Milpitas, California  
(August 1, 2020 through January 31, 2021)**

Shutdown	Startup	Downtime Hours	Reason for Downtime
10/14/20 17:18	10/14/20 17:26	0.13	Automatic shutdown due to GCCS isolations and tie-ins.
10/14/20 17:34	10/14/20 17:40	0.10	Automatic shutdown due to GCCS isolations and tie-ins.
10/14/20 17:46	10/14/20 18:14	0.47	Automatic shutdown due to GCCS isolations and tie-ins.
10/17/20 14:38	10/17/20 14:50	0.20	Automatic shutdown due to GCCS isolations and tie-ins.
10/17/20 15:14	10/17/20 15:20	0.10	Automatic shutdown due to GCCS isolations and tie-ins.
10/17/20 16:32	10/17/20 16:44	0.20	Automatic shutdown due to GCCS isolations and tie-ins.
<b>11/2/20 2:42</b>	<b>11/2/20 7:24</b>	<b>4.70</b>	<b>Automatic shutdown due to pilot light/flame failure.</b>
11/18/20 7:32	11/18/20 20:30	12.97	Automatic shutdown due to GCCS isolations and tie-ins.
11/19/20 6:32	11/19/20 6:56	0.40	Automatic shutdown due to GCCS isolations and tie-ins.
11/19/20 6:58	11/19/20 7:04	0.10	Automatic shutdown due to GCCS isolations and tie-ins.
11/19/20 7:06	11/19/20 10:34	3.47	Automatic shutdown due to GCCS isolations and tie-ins.
11/19/20 11:58	11/19/20 12:08	0.17	Automatic shutdown due to GCCS isolations and tie-ins.
11/23/20 9:46	11/23/20 10:20	0.57	Manual shutdown due to blower maintenance.
<b>12/2/20 22:10</b>	<b>12/2/20 22:22</b>	<b>0.20</b>	<b>Automatic shutdown due to block valve failure</b>
<b>12/3/20 21:52</b>	<b>12/3/20 22:04</b>	<b>0.20</b>	<b>Automatic shutdown due to low gas flow.</b>
<b>12/11/20 8:44</b>	<b>12/11/20 12:40</b>	<b>3.93</b>	<b>Automatic shutdown due to high separator level.</b>
<b>12/11/20 13:20</b>	<b>12/11/20 13:42</b>	<b>0.37</b>	<b>Automatic shutdown due to low flow.</b>
<b>12/16/20 8:56</b>	<b>12/16/20 9:08</b>	<b>0.20</b>	<b>Automatic shutdown due to low flow.</b>
<b>12/16/20 9:36</b>	<b>12/16/20 9:54</b>	<b>0.30</b>	<b>Automatic shutdown due to low flow.</b>
<b>12/16/20 16:58</b>	<b>12/16/20 17:18</b>	<b>0.33</b>	<b>Automatic shutdown due to low flow.</b>
<b>12/19/20 0:26</b>	<b>12/19/20 7:28</b>	<b>7.03</b>	<b>Automatic shutdown due to low temperature.</b>
<b>12/19/20 20:00</b>	<b>12/19/20 20:54</b>	<b>0.90</b>	<b>Automatic shutdown due to low flow.</b>
<b>12/20/20 14:52</b>	<b>12/20/20 16:24</b>	<b>1.53</b>	<b>Automatic shutdown due to low temperature.</b>
<b>12/23/20 22:04</b>	<b>12/24/20 8:12</b>	<b>10.13</b>	<b>Automatic shutdown due to low temperature.</b>
<b>1/12/21 15:04</b>	<b>1/12/21 15:26</b>	<b>0.37</b>	<b>Automatic shutdown due to low gas flow.</b>
<b>1/13/21 18:28</b>	<b>1/13/21 19:44</b>	<b>1.27</b>	<b>Automatic shutdown due to low gas flow.</b>
<b>1/14/21 11:36</b>	<b>1/14/21 11:48</b>	<b>0.20</b>	<b>Automatic shutdown due to low gas flow.</b>
<b>1/26/21 7:10</b>	<b>1/26/21 12:14</b>	<b>5.07</b>	<b>Automatic shutdown due to low gas flow.</b>
<b>1/27/21 4:10</b>	<b>1/27/21 7:34</b>	<b>3.40</b>	<b>Automatic shutdown due to low gas flow.</b>
<b>1/28/21 22:22</b>	<b>1/28/21 23:22</b>	<b>1.00</b>	<b>Automatic shutdown due to low gas flow.</b>
<b>Total</b>		<b>106.10</b>	

**Notes:**

**Events in bold type denotes Malfunction Events**

All events listed involved GCCS inspection and/or maintenance activities prior to start up (or as soon as feasible following programmed startups) in accordance with Rule 8-34-113 requirements and the BAAQMD Compliance Advisory for Municipal Solid Waste Landfills, dated November 5, 2018, with the exception of the two events that occurred on September 25, 2020, which involved an electrical malfunction. These events were considered a reportable compliance activity (RCA) and breakdown relief was requested.

**Table 2. Individual Well Startups, Shutdowns and Decommissions  
Newby Island Landfill, Milpitas, California  
(August 1, 2020 through January 31, 2021)**

Well ID	Shutdown	Start-up	Days Offline	Reason for Shutdown/Startup
NILW574A	2/17/20 14:47	12/30/20 11:21	316.86	Well Temporarily Offline Due to Repairs.
NILW573A	6/26/20 10:34	12/30/20 11:25	187.04	Well Temporarily Offline Due to Repairs.
NI3EW40R	6/26/20 10:39	12/30/20 11:15	187.03	Well Temporarily Offline Due to Repairs.
NILEW595	7/28/20 16:39	8/4/20 16:56	7.01	Well Temporarily Offline Due to GCCS Construction
NILEW637	7/28/20 16:48	8/4/20 15:48	6.96	Well Temporarily Offline Due to GCCS Construction
NILEW671	7/28/20 16:51	8/4/20 15:54	6.96	Well Temporarily Offline Due to GCCS Construction
NILEW638	7/28/20 16:54	8/4/20 16:01	6.96	Well Temporarily Offline Due to GCCS Construction
NILEW593	7/28/20 16:58	8/4/20 16:10	6.97	Well Temporarily Offline Due to GCCS Construction
NILEW472	7/28/20 17:03	8/4/20 16:18	6.97	Well Temporarily Offline Due to GCCS Construction
NILEW470	7/28/20 17:07	8/4/20 16:22	6.97	Well Temporarily Offline Due to GCCS Construction
NILEW629	7/28/20 17:10	8/4/20 16:38	6.98	Well Temporarily Offline Due to GCCS Construction
NILEW639	7/28/20 17:14	8/4/20 14:53	6.90	Well Temporarily Offline Due to GCCS Construction
NILEW672	7/28/20 17:17	8/4/20 14:34	6.89	Well Temporarily Offline Due to GCCS Construction
NILHC220	7/29/20 9:30	8/28/20 12:44	30.13	Well Temporarily Offline Due to GCCS Construction; Well Permanently Decommissioned Due to Poor Gas Quality
NILW558A*	8/13/20 11:33		171.52	Well Temporarily Offline Due to Filling
NILEW206	8/13/20 13:48	N/A		Well Permanently Decommissioned Due to Poor Gas Quality
NILEW202	8/13/20 14:05	N/A		Well Permanently Decommissioned Due to Poor Gas Quality
NILEW203	8/13/20 14:12	N/A		Well Permanently Decommissioned Due to Poor Gas Quality
NILEW51R	8/13/20 14:19	N/A		Well Permanently Decommissioned Due to Poor Gas Quality
NILEW54R	8/13/20 14:25	N/A		Well Permanently Decommissioned Due to Poor Gas Quality
NILEW453	8/13/20 14:40	N/A		Well Permanently Decommissioned Due to Poor Gas Quality
NILEW581	8/13/20 15:02	N/A		Well Permanently Decommissioned Due to Poor Gas Quality
NILEW608	8/13/20 15:07	N/A		Well Permanently Decommissioned Due to Poor Gas Quality
NILEW603	8/13/20 15:19	N/A		Well Permanently Decommissioned Due to Poor Gas Quality
NILEW493	8/20/20 16:36	N/A		Well Permanently Decommissioned Due to Poor Gas Quality
NILHC214	8/28/20 12:54	N/A		Horizontal Collector Permanently Decommissioned Due to Poor Gas Quality
NILHC215	8/28/20 12:59	N/A		Horizontal Collector Permanently Decommissioned Due to Poor Gas Quality
NILHC227	8/28/20 13:13	N/A		Horizontal Collector Permanently Decommissioned Due to Poor Gas Quality
NILHC223	8/28/20 13:22	N/A		Horizontal Collector Permanently Decommissioned Due to Poor Gas Quality
NILHC212	9/2/20 11:11	N/A		Horizontal Collector Permanently Decommissioned Due to Poor Gas Quality
NILHC213	9/2/20 11:17	N/A		Horizontal Collector Permanently Decommissioned Due to Poor Gas Quality
NILHC216	9/2/20 11:22	N/A		Horizontal Collector Permanently Decommissioned Due to Poor Gas Quality
NILHC217	9/2/20 11:26	N/A		Horizontal Collector Permanently Decommissioned Due to Poor Gas Quality
NILHC218	9/2/20 11:31	N/A		Horizontal Collector Permanently Decommissioned Due to Poor Gas Quality
NILHC237	9/2/20 11:35	N/A		Horizontal Collector Permanently Decommissioned Due to Poor Gas Quality
NILHC229	9/2/20 11:48	N/A		Horizontal Collector Permanently Decommissioned Due to Poor Gas Quality
NILHC242S	9/2/20 11:54	N/A		Horizontal Collector Permanently Decommissioned Due to Poor Gas Quality
NILCR515	9/2/20 11:58	N/A		Well Permanently Decommissioned Due to Poor Gas Quality

**Table 2. Individual Well Startups, Shutdowns and Decommissions  
Newby Island Landfill, Milpitas, California  
(August 1, 2020 through January 31, 2021)**

NILCRS16	9/2/20 12:03	N/A		Well Permanently Decommissioned Due to Poor Gas Quality
NILHC235	9/2/20 12:21	N/A		Horizontal Collector Permanently Decommissioned Due to Poor Gas Quality
NILEW728	9/2/20 13:52	N/A		Well Permanently Decommissioned Due to Poor Gas Quality
NILEW763	9/2/20 14:05	N/A		Well Permanently Decommissioned Due to Poor Gas Quality
NILEW565	9/4/20 11:03	N/A		Well Permanently Decommissioned Due to Poor Gas Quality
NILEW582	9/4/20 15:19	N/A		Well Permanently Decommissioned Due to Poor Gas Quality
NILEW579	9/4/20 15:22	N/A		Well Permanently Decommissioned Due to Poor Gas Quality
NILEW577	9/4/20 15:32	N/A		Well Permanently Decommissioned Due to Poor Gas Quality
NILEW587	9/4/20 15:56	N/A		Well Permanently Decommissioned Due to Poor Gas Quality
NIL3EW31	9/7/20 11:26	9/10/20 10:20	2.95	Well Temporarily Offline Due to a potential subsurface oxidation (SSO) event
NILEW702	9/7/20 11:26	9/10/20 11:51	3.02	Well Temporarily Offline Due to a potential SSO event
NILEW690	9/7/20 11:27	9/10/20 10:15	2.95	Well Temporarily Offline Due to a potential SSO event
NILEW479	9/7/20 11:28	9/10/20 10:05	2.94	Well Temporarily Offline Due to a potential SSO event
NILEW703	9/7/20 11:30	9/10/20 10:25	2.95	Well Temporarily Offline Due to a potential SSO event
NILHC207	9/7/20 12:41	9/10/20 11:18	2.94	Well Temporarily Offline Due to a potential SSO event
NILEW476	9/7/20 13:25	9/10/20 9:48	2.85	Well Temporarily Offline Due to a potential SSO event
NILEW701	9/7/20 13:29	9/10/20 10:33	2.88	Well Temporarily Offline Due to a potential SSO event
NILEW696	9/7/20 13:31	9/10/20 10:39	2.88	Well Temporarily Offline Due to a potential SSO event
NISS17-1	9/7/20 13:33	9/10/20 11:46	2.93	Well Temporarily Offline Due to a potential SSO event
NISS17-2	9/7/20 13:33	9/10/20 11:40	2.92	Well Temporarily Offline Due to a potential SSO event
NILEW482	9/7/20 14:05	9/10/20 10:55	2.87	Well Temporarily Offline Due to a potential SSO event
NILLEW16	9/7/20 14:08	9/10/20 11:02	2.87	Well Temporarily Offline Due to a potential SSO event
NILHC17-1	9/7/20 14:38	9/10/20 11:31	2.87	Well Temporarily Offline Due to a potential SSO event
NIL3EW06	9/9/20 14:25	N/A		Well Permanently Decommissioned Due to Poor Gas Quality
NILEW613	9/11/20 12:31	N/A		Well Permanently Decommissioned Due to Poor Gas Quality
NILEW602	9/11/20 12:39	N/A		Well Permanently Decommissioned Due to Poor Gas Quality
NIL3EW20	9/11/20 14:08	N/A		Well Permanently Decommissioned Due to Poor Gas Quality
NILEW614	9/11/20 14:21	N/A		Well Permanently Decommissioned Due to Poor Gas Quality
NIL3EW07R	9/11/20 14:30	N/A		Well Permanently Decommissioned Due to Poor Gas Quality
NILEW44R	9/11/20 14:40	N/A		Well Permanently Decommissioned Due to Poor Gas Quality
NILEW07R	9/11/20 15:10	N/A		Well Permanently Decommissioned Due to Poor Gas Quality
NILEW234	9/11/20 15:34	N/A		Well Permanently Decommissioned Due to Poor Gas Quality
NILEW635	9/14/20 10:26	N/A		Well Permanently Decommissioned Due to Poor Gas Quality
NILEW517	9/14/20 14:04	N/A		Well Permanently Decommissioned Due to Poor Gas Quality
NILEW658	9/14/20 14:10	N/A		Well Permanently Decommissioned Due to Poor Gas Quality
NILEW646	9/14/20 14:45	N/A		Well Permanently Decommissioned Due to Poor Gas Quality
NILEW657	9/14/20 14:46	N/A		Well Permanently Decommissioned Due to Poor Gas Quality
NILEW005	9/14/20 16:04	N/A		Well Permanently Decommissioned Due to Poor Gas Quality
NIL3EW12	9/15/20 12:40	N/A		Well Permanently Decommissioned Due to Poor Gas Quality
NILEW662*	9/15/20 12:43		138.47	Well Temporarily Offline Due to GCCS Construction
NILEW619	9/21/20 15:19	N/A		Well Permanently Decommissioned Due to Poor Gas Quality
NILEW714	N/A	9/22/20 10:47		Initial Startup of New Vertical Extraction Well

**Table 2. Individual Well Startups, Shutdowns and Decommissions  
Newby Island Landfill, Milpitas, California  
(August 1, 2020 through January 31, 2021)**

NILEW747	N/A	9/22/20 12:30		Initial Startup of New Vertical Extraction Well
NILEW730	N/A	9/22/20 15:25		Initial Startup of New Vertical Extraction Well
NILEW745	N/A	9/22/20 15:36		Initial Startup of New Vertical Extraction Well
NILEW744	N/A	9/23/20 11:05		Initial Startup of New Vertical Extraction Well
NILEW706	N/A	9/23/20 11:33		Initial Startup of New Vertical Extraction Well
NILEW733	N/A	9/23/20 11:54		Initial Startup of New Vertical Extraction Well
NILEW711	N/A	9/23/20 12:11		Initial Startup of New Vertical Extraction Well
NILEW707	N/A	9/23/20 12:21		Initial Startup of New Vertical Extraction Well
NILEW412	9/24/20 15:05	N/A		Well Permanently Decommissioned Due to Poor Gas Quality
NILCR5T05	9/24/20 15:50	11/4/20 16:01	41.01	Well Temporarily Offline Due to GCCS Construction
NILCR517	9/24/20 15:52	N/A		Well Permanently Decommissioned Due to Poor Gas Quality
NILEW413	10/2/20 10:56	N/A		Well Permanently Decommissioned Due to Poor Gas Quality
NILEW621	10/2/20 15:18	N/A		Well Permanently Decommissioned Due to Poor Gas Quality
NILEW214	10/8/20 11:41	N/A		Well Permanently Decommissioned Due to Poor Gas Quality
NILEW708	10/12/20 15:22	N/A		Well Permanently Decommissioned Due to Poor Gas Quality
NILEW424	10/13/20 13:58	N/A		Well Permanently Decommissioned Due to Poor Gas Quality
NILEW425	10/13/20 14:00	N/A		Well Permanently Decommissioned Due to Poor Gas Quality
NILEW762	N/A	10/20/20 10:22		Initial Startup of New Vertical Extraction Well
NILEW760	N/A	10/20/20 10:32		Initial Startup of New Vertical Extraction Well
NILEW759	N/A	10/20/20 10:40		Initial Startup of New Vertical Extraction Well
NILEW739	N/A	10/20/20 10:52		Initial Startup of New Vertical Extraction Well
NILEW750	N/A	10/20/20 11:04		Initial Startup of New Vertical Extraction Well
NILEW752	N/A	10/20/20 11:25		Initial Startup of New Vertical Extraction Well
NILEW748	N/A	10/20/20 12:00		Initial Startup of New Vertical Extraction Well
NILEW757	N/A	10/20/20 12:05		Initial Startup of New Vertical Extraction Well
NILEW765	N/A	10/20/20 12:20		Initial Startup of New Vertical Extraction Well
NILCW001	N/A	10/20/20 12:36		Initial Startup of New Vertical Extraction Well
NILEW719	N/A	10/20/20 12:41		Initial Startup of New Vertical Extraction Well
NILEW720	N/A	10/20/20 12:52		Initial Startup of New Vertical Extraction Well
NILCW003	N/A	10/20/20 12:53		Initial Startup of New Vertical Extraction Well
NILCW002	N/A	10/20/20 13:06		Initial Startup of New Vertical Extraction Well
NILEW767	N/A	10/20/20 13:28		Initial Startup of New Vertical Extraction Well
NILEW768	N/A	10/20/20 13:42		Initial Startup of New Vertical Extraction Well
NILEW749	N/A	10/20/20 14:22		Initial Startup of New Vertical Extraction Well
NILCW004	N/A	10/20/20 14:58		Initial Startup of New Vertical Extraction Well
NILEW764	N/A	10/20/20 15:43		Initial Startup of New Vertical Extraction Well
NILEW721	N/A	10/28/20 10:50		Initial Startup of New Vertical Extraction Well
NILEW761	N/A	10/28/20 11:04		Initial Startup of New Vertical Extraction Well
NILEW712	N/A	10/28/20 11:14		Initial Startup of New Vertical Extraction Well
NILEW715	N/A	10/28/20 11:28		Initial Startup of New Vertical Extraction Well
NILEW769	N/A	10/28/20 11:53		Initial Startup of New Vertical Extraction Well
NILEW430	10/31/2020	11/15/2020	15.00	Well Temporarily Offline Due to GCCS Construction

**Table 2. Individual Well Startups, Shutdowns and Decommissions  
Newby Island Landfill, Milpitas, California  
(August 1, 2020 through January 31, 2021)**

NLCR0910	10/31/2020	11/15/2020	15.00	Well Temporarily Offline Due to GCCS Construction
NLCR1112	10/31/2020	11/15/2020	15.00	Well Temporarily Offline Due to GCCS Construction
NLCRST3A	10/31/2020	11/15/2020	15.00	Well Temporarily Offline Due to GCCS Construction
NLCRST3B	10/31/2020	11/15/2020	15.00	Well Temporarily Offline Due to GCCS Construction
NIHC227A	N/A	11/4/20 10:56		Initial Startup of New Horizontal Collector
NILMW032	11/12/20 10:00	11/23/20 16:02	11.25	Well Temporarily Offline Due to GCCS Construction
NILEW753	N/A	11/12/20 10:38		Initial Startup of New Vertical Extraction Well
NILMW033	11/12/20 11:00	11/23/20 15:47	11.20	Well Temporarily Offline Due to GCCS Construction
NILMW034	11/12/20 11:30	11/23/20 15:41	11.17	Well Temporarily Offline Due to GCCS Construction
NILEW455*	11/18/20 7:00		74.71	Well Temporarily Offline Due to GCCS Construction
NILEW742	N/A	11/24/20 13:38		Initial Startup of New Vertical Extraction Well
NILEW755	N/A	12/1/20 11:15		Initial Startup of New Vertical Extraction Well
NILEW704	N/A	12/1/20 11:33		Initial Startup of New Vertical Extraction Well
NILEW705	N/A	12/1/20 12:04		Initial Startup of New Vertical Extraction Well
NILEW736	N/A	12/1/20 12:29		Initial Startup of New Vertical Extraction Well
NILEW737	N/A	12/1/20 12:42		Initial Startup of New Vertical Extraction Well
NILEW740	N/A	12/1/20 12:54		Initial Startup of New Vertical Extraction Well
NILEW709	N/A	12/1/20 13:05		Initial Startup of New Vertical Extraction Well
NILEW716	N/A	12/1/20 14:16		Initial Startup of New Vertical Extraction Well
NILEW710	N/A	12/1/20 14:48		Initial Startup of New Vertical Extraction Well
NILEW718	N/A	12/1/20 14:59		Initial Startup of New Vertical Extraction Well
NILEW722	N/A	12/1/20 14:59		Initial Startup of New Vertical Extraction Well
NILSAR02	12/15/20 11:20	N/A		Well Permanently Decommissioned Due to Poor Gas Quality
NILEW717	N/A	12/16/20 13:53		Initial Startup of New Vertical Extraction Well
NILEW723	N/A	12/16/20 14:10		Initial Startup of New Vertical Extraction Well
NILEW725	N/A	12/16/20 14:40		Initial Startup of New Vertical Extraction Well
NILEW726	N/A	12/17/20 10:19		Initial Startup of New Vertical Extraction Well
NILEW735	N/A	12/16/20 13:27		Initial Startup of New Vertical Extraction Well
NILEW741	N/A	12/17/20 10:06		Initial Startup of New Vertical Extraction Well
NILEW756	N/A	12/17/20 10:34		Initial Startup of New Vertical Extraction Well
NILW481A	N/A	1/13/21 10:07		Initial Startup of New Vertical Extraction Well
NILW627A	N/A	1/13/21 10:41		Initial Startup of New Vertical Extraction Well

\*Well was offline at the end of the reporting period. For reporting purposes, the startup time is calculated as of February 1, 2021 at 0:00.

Note: All well downtime events listed are consistent with applicable Rule 8-34 provisions and BAAQMD permit conditions.

**Table 3. Wells with Positive Pressure  
Newby Island Landfill, Milpitas, California  
(August 1, 2020 through January 31, 2021)**

Well ID	Date and Time	Initial Static Pressure ("H <sub>2</sub> O)	Adjusted Static Pressure ("H <sub>2</sub> O)	Comments
NIHC17-1	9/7/2020 14:58	0.43	0.43	Adjusted Valve
NIHC17-1	9/7/2020 14:59	0.41	0.43	Second Reading
NIHC17-1	9/8/2020 12:42	0.64	0.64	Adjusted Valve
NIHC17-1	9/9/2020 12:09	0.43	0.43	Adjusted Valve
NIHC17-1	9/10/2020 11:31	0.44	-0.12	In Compliance
NIHC17-1	10/14/2020 12:58	0.56	0.49	Adjusted Valve
NIHC17-1	10/14/2020 12:59	0.58	0.62	Second Reading
NIHC17-1	10/23/2020 14:12	-0.47	-0.3	In Compliance
NIHC17-3	10/14/2020 12:44	1.95	2.83	Adjusted Valve
NIHC17-3	10/14/2020 12:46	1.25	3.24	Second Reading
NIHC17-3	10/14/2020 16:18	-18.19	-18.57	In Compliance
NIHC17-5	12/4/2020 11:03	0.11	-0.22	Adjusted Reading, In Compliance
NIHC17-5	1/12/2021 13:07	0.04	-0.05	Adjusted Reading, In Compliance
NIHC227A	11/4/2020 10:56	26.86	26.86	Adjusted Valve
NIHC227A	11/4/2020 11:01	27.62	14.95	Adjusted Valve, Second Reading
NIHC227A	11/4/2020 11:03	14.48	14.82	Adjusted Valve, Third Reading
NIHC227A	11/4/2020 15:53	3.64	1.57	Adjusted Valve, Fourth Reading
NIHC227A	11/4/2020 15:54	1.75	1.66	Adjusted Valve, Fifth Reading
NIHC227A	11/5/2020 16:17	4.44	-0.1	In Compliance
NIL3EW12	9/15/2020 12:40	0.2	0.4	Well Permanently Decommissioned Due to Poor Gas Quality
NIL3EW31	9/7/2020 14:08	10.21	10.34	Adjusted Valve
NIL3EW31	9/7/2020 14:09	10.21	10.21	Second Reading
NIL3EW31	9/8/2020 12:15	13.46	13.63	Adjusted Valve
NIL3EW31	9/9/2020 10:57	13.52	13.56	Adjusted Valve
NIL3EW31	9/10/2020 10:20	13.85	6.99	Adjusted Valve
NIL3EW31	9/10/2020 13:52	5.01	-0.2	In Compliance
NILCW001	10/20/2020 12:36	0.16	0.15	Adjusted Valve
NILCW001	10/20/2020 12:40	0.16	0.08	Adjusted Valve, Second Reading
NILCW001	10/20/2020 12:42	0.08	0.08	Adjusted Valve, Third Reading
NILCW001	10/20/2020 16:04	0.06	0.04	Adjusted Valve, Fourth Reading
NILCW001	10/20/2020 16:07	0.03	0.04	Adjusted Valve, Fifth Reading
NILCW001	10/21/2020 11:51	0.09	-0.1	In Compliance
NILCW001	1/12/2021 11:56	0.09	-0.1	Adjusted Valve, In Compliance
NILCW002	10/20/2020 13:06	0.19	0.19	Adjusted Valve
NILCW002	10/20/2020 13:10	0.18	0.09	Adjusted Valve, Second Reading
NILCW002	10/20/2020 13:11	0.09	0.09	Adjusted Valve, Third Reading

**Table 3. Wells with Positive Pressure  
Newby Island Landfill, Milpitas, California  
(August 1, 2020 through January 31, 2021)**

Well ID	Date and Time	Initial Static Pressure ("H <sub>2</sub> O)	Adjusted Static Pressure ("H <sub>2</sub> O)	Comments
NILCW002	10/20/2020 16:18	0.09	0.04	Adjusted Valve, Fourth Reading
NILCW002	10/20/2020 16:21	0.05	0.05	Adjusted Valve, Fifth Reading
NILCW002	10/21/2020 11:57	0.05	-0.1	In Compliance
NILCW003	10/20/2020 12:53	0.1	0.1	Adjusted Valve
NILCW003	10/20/2020 12:57	0.1	0.05	Adjusted Valve, Second Reading
NILCW003	10/20/2020 12:59	0.05	0.05	Adjusted Valve, Third Reading
NILCW003	10/20/2020 16:13	0.01	0	Adjusted Valve, Fourth Reading
NILCW003	10/20/2020 16:16	0	0	Adjusted Valve, Fifth Reading
NILCW003	10/21/2020 12:08	0	-0.11	In Compliance
NILCW003	1/12/2021 12:07	0.14	-0.11	Adjusted Valve, In Compliance
NILCW004	1/12/2021 12:12	0.27	-0.09	Adjusted Valve, In Compliance
NILEW110	12/23/2020 11:50	0.19	-1.14	Adjusted Valve, In Compliance
NILEW470	8/4/2020 16:22	3.52	-2.31	Adjusted Valve, In Compliance
NILEW472	8/4/2020 16:18	74.45	-6.04	Adjusted Valve, In Compliance
NILEW476	9/7/2020 15:06	12.88	12.88	Adjusted Valve
NILEW476	9/7/2020 15:07	12.63	12.63	Second Reading
NILEW476	9/8/2020 11:57	14.01	14.01	Adjusted Valve
NILEW476	9/9/2020 10:43	13.81	13.81	Adjusted Valve
NILEW476	9/10/2020 9:48	14.15	6.99	Adjusted Valve
NILEW476	9/10/2020 13:32	4.15	-0.11	In Compliance
NILEW479	9/7/2020 14:12	7.54	7.29	Adjusted Valve
NILEW479	9/7/2020 14:13	7.21	7.42	Second Reading
NILEW479	9/8/2020 12:05	10.67	10.67	Adjusted Valve
NILEW479	9/9/2020 10:50	8.8	8.76	Adjusted Valve
NILEW479	9/10/2020 10:05	8.72	-0.11	In Compliance
NILEW482	9/8/2020 12:31	1.28	1.28	Adjusted Valve
NILEW482	9/9/2020 11:54	1.43	1.43	Adjusted Valve
NILEW482	9/10/2020 10:55	-1.19	-4.83	In Compliance
NILEW491	10/15/2020 10:47	1.9	1.94	Adjusted Valve
NILEW491	10/15/2020 10:48	1.94	1.9	Second Reading
NILEW491	10/22/2020 14:14	-34.11	-34.11	In Compliance
NILEW514	10/15/2020 11:56	0.28	0.28	Adjusted Valve
NILEW514	10/15/2020 11:57	0.24	0.25	Second Reading
NILEW514	10/22/2020 14:37	-0.91	-1.03	In Compliance
NILEW529	10/14/2020 13:23	0.9	1.05	Adjusted Valve

**Table 3. Wells with Positive Pressure  
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Well ID	Date and Time	Initial Static Pressure ("H <sub>2</sub> O)	Adjusted Static Pressure ("H <sub>2</sub> O)	Comments
NILEW529	10/14/2020 13:25	1.14	0.84	Second Reading
NILEW529	10/23/2020 14:26	-41.81	-41.56	In Compliance
NILEW566	11/11/2020 14:53	1.43	-4.69	Adjusted Valve, In Compliance
NILEW592	10/14/2020 14:49	10.74	10.78	Adjusted Valve
NILEW592	10/14/2020 14:50	10.78	10.78	Second Reading
NILEW592	10/27/2020 9:40	8.76	8.76	Adjusted Valve
NILEW592	10/27/2020 9:42	8.42	8.42	Second Reading
NILEW592	11/11/2020 10:03	7.75	7.75	Adjusted Valve
NILEW592	11/15/2020 13:54	-14.57	-14.61	In Compliance
NILEW593	8/4/2020 16:10	17.95	-0.1	Adjusted Valve, In Compliance
NILEW595	8/4/2020 16:56	90.63	-0.15	Adjusted Valve, In Compliance
NILEW595	8/21/2020 11:49	14.91	-10.26	Adjusted Valve, In Compliance
NILEW603	8/13/2020 15:19	-5.53	3.47	Well Permanently Decommissioned Due to Poor Gas Quality
NILEW625	8/5/2020 15:23	0.58	-0.49	Adjusted Valve, In Compliance
NILEW625	12/3/2020 14:18	2.92	-0.31	Adjusted Valve, In Compliance
NILEW629	8/4/2020 16:38	81.17	-2.17	Adjusted Valve, In Compliance
NILEW637	8/4/2020 15:48	32.47	-1.14	Adjusted Valve, In Compliance
NILEW638	8/4/2020 16:01	37.16	-0.15	Adjusted Valve, In Compliance
NILEW639	8/4/2020 14:53	129.27	-8.07	Adjusted Valve, In Compliance
NILEW640	9/29/2020 15:19	34.15	34.23	Adjusted Valve
NILEW640	9/29/2020 15:20	34.27	34.27	Second Reading
NILEW640	10/12/2020 14:40	-1.13	-1.05	In Compliance
NILEW641	9/29/2020 15:11	2.05	-3.37	Adjusted Valve, In Compliance
NILEW641	10/14/2020 14:43	7.45	7.41	Adjusted Valve
NILEW641	10/14/2020 14:44	2.41	2.32	Second Reading
NILEW641	10/22/2020 10:14	-18.57	-14.53	In Compliance
NILEW641	11/4/2020 11:14	1.22	-8.08	Adjusted Valve, In Compliance
NILEW641	12/2/2020 14:43	0.82	-9.77	Adjusted Valve, In Compliance



**Table 3. Wells with Positive Pressure  
Newby Island Landfill, Milpitas, California  
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Well ID	Date and Time	Initial Static Pressure ("H <sub>2</sub> O)	Adjusted Static Pressure ("H <sub>2</sub> O)	Comments
NILEW642	9/29/2020 15:07	1.36	-0.26	Adjusted Valve, In Compliance
NILEW642	10/14/2020 14:39	5.05	5.05	Adjusted Valve
NILEW642	10/14/2020 14:40	5.05	5.05	Second Reading
NILEW642	10/22/2020 10:11	-3.81	-3.71	In Compliance
NILEW644	9/24/2020 9:49	3.44	-3.75	Adjusted Valve, In Compliance
NILEW650	10/15/2020 10:50	0.37	0.44	Adjusted Valve
NILEW650	10/15/2020 10:51	0.43	0.44	Second Reading
NILEW650	10/22/2020 14:16	-36.13	-36.13	In Compliance
NILEW651	10/15/2020 11:51	6.48	6.02	Adjusted Valve
NILEW651	10/15/2020 11:52	6.11	6.69	Second Reading
NILEW651	10/22/2020 14:23	-34.11	-33.85	In Compliance
NILEW652	10/15/2020 10:57	13.14	13.26	Adjusted Valve
NILEW652	10/15/2020 11:18	13.52	13.52	Second Reading
NILEW652	10/22/2020 14:09	-31.62	-30.19	In Compliance
NILEW654	9/29/2020 16:02	40.67	41.01	Adjusted Valve
NILEW654	9/29/2020 16:03	43.03	43.2	Second Reading
NILEW654	10/12/2020 14:30	2.45	2.86	Adjusted Valve
NILEW654	10/15/2020 11:25	3.4	3.04	Adjusted Valve
NILEW654	10/15/2020 11:26	2.35	2.57	Second Reading
NILEW654	10/22/2020 13:58	-37.14	-39.16	In Compliance
NILEW655	10/15/2020 12:18	4.26	4.16	Adjusted Valve
NILEW655	10/15/2020 12:19	4.59	4.34	Second Reading
NILEW655	10/22/2020 14:59	-24.67	-24.67	In Compliance
NILEW660	10/14/2020 13:28	1.56	1.97	Adjusted Valve
NILEW660	10/14/2020 13:30	1.85	2.04	Second Reading
NILEW660	10/23/2020 14:29	-39.12	-41.47	In Compliance
NILEW666	9/29/2020 14:29	0.02	-0.12	Adjusted Valve, In Compliance
NILEW666	1/20/2021 12:51	0.31	-0.1	Adjusted Valve, In Compliance
NILEW671	8/4/2020 15:54	28.13	-0.12	Adjusted Valve, In Compliance
NILEW671	9/2/2020 9:59	10.02	-1.13	Adjusted Valve, In Compliance
NILEW672	8/4/2020 14:34	8.07	-10.85	Adjusted Valve, In Compliance
NILEW672	8/21/2020 11:42	45.65	-15.84	Adjusted Valve, In Compliance

**Table 3. Wells with Positive Pressure  
Newby Island Landfill, Milpitas, California  
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Well ID	Date and Time	Initial Static Pressure ("H <sub>2</sub> O)	Adjusted Static Pressure ("H <sub>2</sub> O)	Comments
NILEW677	10/15/2020 12:23	3.79	3.49	Adjusted Valve
NILEW677	10/15/2020 12:24	4.05	5.43	Second Reading
NILEW677	10/26/2020 14:30	-0.16	-0.14	In Compliance
NILEW678	10/14/2020 14:16	10.32	10.32	Adjusted Valve
NILEW678	10/14/2020 14:17	10.11	10.19	Second Reading
NILEW678	10/27/2020 9:31	8.42	8.42	Adjusted Valve
NILEW678	10/27/2020 9:33	8.42	8.42	Second Reading
NILEW678	11/11/2020 9:56	7.75	7.75	Adjusted Valve
NILEW678	11/15/2020 14:39	-9.84	-18.29	In Compliance
NILEW679	9/29/2020 14:53	2.23	-0.12	Adjusted Valve, In Compliance
NILEW679	10/14/2020 14:20	9.77	9.77	Adjusted Valve
NILEW679	10/14/2020 14:21	9.81	10.06	Second Reading
NILEW679	10/27/2020 9:36	8.76	8.76	Adjusted Valve
NILEW679	10/27/2020 9:37	8.42	8.76	Second Reading
NILEW679	11/11/2020 10:00	8.34	8.34	Adjusted Valve
NILEW679	11/15/2020 14:33	-7.81	-11.53	In Compliance
NILEW680	10/14/2020 14:26	26.57	26.61	Adjusted Valve
NILEW680	10/14/2020 14:27	27.24	27.28	Second Reading
NILEW680	10/22/2020 9:59	-20.55	-20.46	In Compliance
NILEW680	11/11/2020 10:08	4.33	4.54	Adjusted Valve
NILEW680	11/11/2020 10:10	11.45	11.79	Second Reading
NILEW680	11/15/2020 14:28	-50.72	-50.72	In Compliance
NILEW683	10/15/2020 11:31	16.17	16.17	Adjusted Valve
NILEW683	10/15/2020 11:32	13.14	13.01	Second Reading
NILEW683	10/22/2020 13:54	-9.18	-10.57	In Compliance
NILEW684	9/14/2020 14:25	16.38	-19.07	Adjusted Valve, In Compliance
NILEW685	1/28/2021 11:33	3.54	-0.84	Adjusted Valve, In Compliance
NILEW690	9/7/2020 14:16	49.02	49.23	Adjusted Valve
NILEW690	9/7/2020 14:17	49.23	49.23	Second Reading
NILEW690	9/8/2020 12:08	51.02	50.85	Adjusted Valve
NILEW690	9/9/2020 10:54	44.04	44.08	Adjusted Valve
NILEW690	9/10/2020 10:15	65.68	38.4	Adjusted Valve
NILEW690	9/10/2020 13:45	21.89	-0.1	In Compliance
NILEW696	9/7/2020 13:46	1.23	1.28	Adjusted Valve
NILEW696	9/7/2020 13:49	1.92	1.97	Second Reading
NILEW696	9/8/2020 12:26	20.34	20.68	Adjusted Valve
NILEW696	9/9/2020 11:49	20.88	20.88	Adjusted Valve

**Table 3. Wells with Positive Pressure  
Newby Island Landfill, Milpitas, California  
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Well ID	Date and Time	Initial Static Pressure ("H <sub>2</sub> O)	Adjusted Static Pressure ("H <sub>2</sub> O)	Comments
NILEW696	9/10/2020 10:39	20.63	-0.29	In Compliance
NILEW698	10/14/2020 13:17	3.55	3.03	Adjusted Valve
NILEW698	10/14/2020 13:19	3.11	3.12	Second Reading
NILEW698	10/23/2020 14:22	-38.06	-39.03	In Compliance
NILEW700	10/14/2020 12:53	0.89	0.97	Adjusted Valve
NILEW700	10/14/2020 12:54	0.88	1.11	Second Reading
NILEW700	10/23/2020 14:08	-41.52	-40.88	In Compliance
NILEW701	9/3/2020 15:42	0.38	-0.14	Adjusted Valve, In Compliance
NILEW701	9/7/2020 13:59	11.59	11.59	Adjusted Valve
NILEW701	9/7/2020 14:00	11.75	11.75	Second Reading
NILEW701	9/8/2020 12:23	15.67	15.84	Adjusted Valve
NILEW701	9/9/2020 11:46	15.16	15.16	Adjusted Valve
NILEW701	9/10/2020 10:33	14.99	4.05	Adjusted Valve
NILEW701	9/10/2020 14:11	-0.91	-0.25	In Compliance
NILEW702	9/7/2020 14:53	1.38	1.44	Adjusted Valve
NILEW702	9/7/2020 14:55	1.28	1.41	Second Reading
NILEW702	9/8/2020 13:10	0.62	0.62	Adjusted Valve
NILEW702	9/9/2020 12:25	1.36	1.37	Adjusted Valve
NILEW702	9/10/2020 11:51	1.24	-0.17	In Compliance
NILEW702	10/14/2020 13:10	1.29	1.28	Adjusted Valve
NILEW702	10/14/2020 13:11	1.3	1.29	Second Reading
NILEW702	10/23/2020 11:00	-1.35	-1.24	In Compliance
NILEW703	9/7/2020 14:04	6.54	6.54	Adjusted Valve
NILEW703	9/7/2020 14:05	6.63	6.59	Second Reading
NILEW703	9/8/2020 12:18	8	8.34	Adjusted Valve
NILEW703	9/9/2020 11:00	7.75	7.75	Adjusted Valve
NILEW703	9/10/2020 10:25	7.75	6.32	Adjusted Valve
NILEW703	9/10/2020 14:04	5.94	-0.15	In Compliance
NILEW704	12/1/2020 15:28	0.39	0.2	Adjusted Valve
NILEW704	12/1/2020 15:29	0.17	0.17	Second Reading
NILEW704	12/2/2020 10:19	-1.08	-1.03	In Compliance
NILEW705	12/1/2020 12:04	0.07	0.07	Adjusted Valve
NILEW705	12/1/2020 12:06	0.07	0.04	Adjusted Valve, Second Reading
NILEW705	12/1/2020 12:08	0.03	0.03	Adjusted Valve, Third Reading
NILEW705	12/1/2020 15:35	0.04	0.01	Adjusted Valve, Fourth Reading
NILEW705	12/1/2020 15:37	0.02	0.01	Adjusted Valve, Fifth Reading
NILEW705	12/2/2020 10:31	-0.02	-0.12	In Compliance

**Table 3. Wells with Positive Pressure  
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Well ID	Date and Time	Initial Static Pressure ("H <sub>2</sub> O)	Adjusted Static Pressure ("H <sub>2</sub> O)	Comments
NILEW705	1/14/2021 11:16	0.04	-3.27	Adjusted Valve, In Compliance
NILEW706	9/23/2020 11:33	0.88	0.9	Adjusted Valve
NILEW706	9/23/2020 11:35	0.9	0.45	Adjusted Valve, Second Reading
NILEW706	9/23/2020 11:38	0.48	0.48	Adjusted Valve, Third Reading
NILEW706	9/23/2020 16:17	0.71	0.36	Adjusted Valve, Fourth Reading
NILEW706	9/23/2020 16:18	0.35	0.34	Adjusted Valve, Fifth Reading
NILEW706	9/24/2020 11:53	0.34	-0.1	In Compliance
NILEW707	9/23/2020 12:21	0.03	0.03	Adjusted Valve
NILEW707	9/23/2020 12:23	0.04	0.02	Adjusted Valve, Second Reading
NILEW707	9/23/2020 12:25	0.02	0.02	Adjusted Valve, Third Reading
NILEW707	9/23/2020 16:08	0.02	0.01	Adjusted Valve, Fourth Reading
NILEW707	9/23/2020 16:10	0.01	0.01	Adjusted Valve, Fifth Reading
NILEW707	9/24/2020 13:50	0	-0.1	In Compliance
NILEW708	10/12/2020 15:22	52.22	52.47	Adjusted Valve
NILEW708	10/12/2020 15:28	54.91	27.3	Adjusted Valve, Second Reading
NILEW708	10/12/2020 15:32	27.3	27.3	Adjusted Valve, Third Reading
NILEW708	10/12/2020 16:24	15.7	7.21	Adjusted Valve, Fourth Reading
NILEW708	10/12/2020 16:29	7.17	7.17	Adjusted Valve, Fifth Reading
NILEW708	10/13/2020 9:59	6.4	-0.2	In Compliance
NILEW708	11/10/2020 14:46	44.93	-3.43	Adjusted Valve, In Compliance
NILEW709	12/1/2020 13:05	3.15	3.16	Adjusted Valve
NILEW709	12/1/2020 13:09	3.16	1.57	Adjusted Valve, Second Reading
NILEW709	12/1/2020 13:11	1.36	1.35	Adjusted Valve, Third Reading
NILEW709	12/1/2020 15:58	0.66	0.34	Adjusted Valve, Fourth Reading
NILEW709	12/1/2020 16:00	0.3	0.3	Adjusted Valve, Fifth Reading
NILEW709	12/2/2020 10:59	-0.05	-0.11	In Compliance
NILEW709	12/28/2020 12:52	0.23	-0.08	Adjusted Valve, In Compliance
NILEW710	12/1/2020 14:48	1.52	1.51	Adjusted Valve
NILEW710	12/1/2020 14:51	1.6	0.83	Adjusted Valve, Second Reading
NILEW710	12/1/2020 14:53	0.75	0.75	Adjusted Valve, Third Reading
NILEW710	12/1/2020 16:11	0.59	0.29	Adjusted Valve, Fourth Reading
NILEW710	12/1/2020 16:12	0.25	0.24	Adjusted Valve, Fifth Reading
NILEW710	12/2/2020 11:18	0.1	-0.11	In Compliance
NILEW710	12/29/2020 13:56	1.28	-0.11	Adjusted Valve, In Compliance
NILEW711	9/23/2020 12:11	1.25	1.25	Adjusted Valve
NILEW711	9/23/2020 12:13	1.27	0.63	Adjusted Valve, Second Reading
NILEW711	9/23/2020 12:15	0.63	0.62	Adjusted Valve, Third Reading
NILEW711	9/23/2020 16:02	0.63	0.32	Adjusted Valve, Fourth Reading

**Table 3. Wells with Positive Pressure  
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Well ID	Date and Time	Initial Static Pressure ("H <sub>2</sub> O)	Adjusted Static Pressure ("H <sub>2</sub> O)	Comments
NILEW711	9/23/2020 16:04	0.32	0.31	Adjusted Valve, Fifth Reading
NILEW711	9/24/2020 13:41	0.04	-0.1	In Compliance
NILEW712	10/28/2020 11:14	1.9	1.9	Adjusted Valve
NILEW712	10/28/2020 11:18	1.92	0.98	Adjusted Valve, Second Reading
NILEW712	10/28/2020 11:19	0.95	0.92	Adjusted Valve, Third Reading
NILEW712	10/28/2020 14:12	1.13	0.57	Adjusted Valve, Fourth Reading
NILEW712	10/28/2020 14:14	0.53	0.53	Adjusted Valve, Fifth Reading
NILEW712	10/29/2020 10:22	0.19	-0.1	In Compliance
NILEW712	1/14/2021 13:55	0.74	-0.17	Adjusted Valve, In Compliance
NILEW714	9/22/2020 10:47	0.67	0.67	Adjusted Valve
NILEW714	9/22/2020 10:51	0.73	0.38	Adjusted Valve, Second Reading
NILEW714	9/22/2020 10:52	0.35	0.35	Adjusted Valve, Third Reading
NILEW714	9/22/2020 12:41	1.34	0.72	Adjusted Valve, Fourth Reading
NILEW714	9/22/2020 12:43	0.64	0.62	Adjusted Valve, Fifth Reading
NILEW714	9/23/2020 12:56	-1.23	-0.76	In Compliance
NILEW714	10/9/2020 13:12	0.95	-0.13	Adjusted Valve, In Compliance
NILEW714	12/22/2020 14:06	0.26	0.27	Adjusted Valve
NILEW714	12/23/2020 11:11	-0.22	-0.24	In Compliance
NILEW714	1/28/2021 13:27	0.31	-0.42	Adjusted Valve, In Compliance
NILEW715	10/28/2020 11:28	1.73	1.74	Adjusted Valve
NILEW715	10/28/2020 11:33	1.71	0.87	Adjusted Valve, Second Reading
NILEW715	10/28/2020 11:35	0.87	0.85	Adjusted Valve, Third Reading
NILEW715	10/28/2020 14:22	0.91	0.46	Adjusted Valve, Fourth Reading
NILEW715	10/28/2020 14:23	0.46	0.48	Adjusted Valve, Fifth Reading
NILEW715	10/29/2020 10:34	1.76	-0.11	In Compliance
NILEW715	1/14/2021 13:59	2.43	-0.28	Adjusted Valve, In Compliance
NILEW716	12/1/2020 14:16	1.62	1.61	Adjusted Valve
NILEW716	12/1/2020 14:21	1.7	0.88	Adjusted Valve, Second Reading
NILEW716	12/1/2020 14:22	0.8	0.8	Adjusted Valve, Third Reading
NILEW716	12/1/2020 16:05	0.6	0.34	Adjusted Valve, Fourth Reading
NILEW716	12/1/2020 16:06	0.3	0.31	Adjusted Valve, Fifth Reading
NILEW716	12/2/2020 11:04	0.08	-0.11	In Compliance
NILEW717	12/16/2020 13:53	1.15	1.18	Adjusted Valve
NILEW717	12/16/2020 13:54	1.36	-0.12	In Compliance
NILEW717	1/13/2021 14:54	0.59	-1.03	Adjusted Valve, In Compliance

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Well ID	Date and Time	Initial Static Pressure ("H <sub>2</sub> O)	Adjusted Static Pressure ("H <sub>2</sub> O)	Comments
NILEW718	12/1/2020 14:59	1.67	1.64	Adjusted Valve
NILEW718	12/1/2020 15:02	1.7	0.89	Adjusted Valve, Second Reading
NILEW718	12/1/2020 15:04	0.8	0.81	Adjusted Valve, Third Reading
NILEW718	12/1/2020 16:18	0.73	0.38	Adjusted Valve, Fourth Reading
NILEW718	12/1/2020 16:19	0.3	0.3	Adjusted Valve, Fifth Reading
NILEW718	12/2/2020 16:36	1.65	-0.1	In Compliance
NILEW718	12/28/2020 14:06	0.28	-0.13	Adjusted Valve, In Compliance
NILEW719	10/20/2020 12:41	26.91	26.95	Adjusted Valve
NILEW719	10/20/2020 12:47	28.38	14.69	Adjusted Valve, Second Reading
NILEW719	10/20/2020 12:49	14.48	14.15	Adjusted Valve, Third Reading
NILEW719	10/20/2020 14:54	0.55	0.25	Adjusted Valve, Fourth Reading
NILEW719	10/20/2020 14:56	0.22	0.21	Adjusted Valve, Fifth Reading
NILEW719	10/21/2020 11:22	25.6	-0.36	In Compliance
NILEW720	10/20/2020 12:52	0.44	0.44	Adjusted Valve
NILEW720	10/20/2020 12:54	0.45	0.21	Adjusted Valve, Second Reading
NILEW720	10/20/2020 12:56	0.22	0.25	Adjusted Valve, Third Reading
NILEW720	10/20/2020 14:59	0.3	0.16	Adjusted Valve, Fourth Reading
NILEW720	10/20/2020 15:00	0.16	0.18	Adjusted Valve, Fifth Reading
NILEW720	10/21/2020 11:27	0.49	-0.15	In Compliance
NILEW721	10/28/2020 10:50	24.25	24.25	Adjusted Valve
NILEW721	10/28/2020 10:53	27.96	14.48	Adjusted Valve, Second Reading
NILEW721	10/28/2020 10:55	14.15	15.03	Adjusted Valve, Third Reading
NILEW721	10/28/2020 13:52	13.05	8	Adjusted Valve, Fourth Reading
NILEW721	10/28/2020 13:55	6.65	6.99	Adjusted Valve, Fifth Reading
NILEW721	10/29/2020 9:59	5.35	-0.62	In Compliance
NILEW722	12/1/2020 12:18	2.54	2.69	Adjusted Valve
NILEW722	12/1/2020 12:22	2.61	1.38	Adjusted Valve, Second Reading
NILEW722	12/1/2020 12:24	1.36	1.37	Adjusted Valve, Third Reading
NILEW722	12/1/2020 16:39	2.8	1.44	Adjusted Valve, Fourth Reading
NILEW722	12/1/2020 16:40	1.29	1.27	Adjusted Valve, Fifth Reading
NILEW722	12/2/2020 11:44	2.9	-0.11	In Compliance
NILEW722	12/18/2020 15:21	8.08	-0.13	Adjusted Valve, In Compliance
NILEW723	12/16/2020 14:10	12.34	13.24	Adjusted Valve
NILEW723	12/16/2020 14:12	12.04	-45.39	In Compliance
NILEW725	12/16/2020 14:40	5.77	5.76	Adjusted Valve
NILEW725	12/16/2020 14:44	5.76	2.79	Adjusted Valve, Second Reading
NILEW725	12/16/2020 14:45	2.5	2.49	Adjusted Valve, Third Reading
NILEW725	12/16/2020 15:44	1.78	0.81	Adjusted Valve, Fourth Reading
NILEW725	12/16/2020 15:45	0.69	0.68	Adjusted Valve, Fifth Reading

**Table 3. Wells with Positive Pressure  
Newby Island Landfill, Milpitas, California  
(August 1, 2020 through January 31, 2021)**

Well ID	Date and Time	Initial Static Pressure ("H <sub>2</sub> O)	Adjusted Static Pressure ("H <sub>2</sub> O)	Comments
NILEW725	12/17/2020 11:31	-0.23	-0.24	In Compliance
NILEW726	12/17/2020 10:19	4.16	4.14	Adjusted Valve
NILEW726	12/17/2020 10:24	4.24	2.15	Adjusted Valve, Second Reading
NILEW726	12/17/2020 10:26	2.06	2.05	Adjusted Valve, Third Reading
NILEW726	12/17/2020 14:07	1.94	0.98	Adjusted Valve, Fourth Reading
NILEW726	12/17/2020 14:08	0.99	0.96	Adjusted Valve, Fifth Reading
NILEW726	12/18/2020 15:48	0.81	-0.1	In Compliance
NILEW728	10/15/2020 12:04	17.18	16.17	Adjusted Valve
NILEW728	10/15/2020 12:08	1.44	1.47	Second Reading
NILEW728	10/22/2020 14:45	-2.4	-0.22	In Compliance
NILEW730	9/22/2020 15:25	0.33	0.33	Adjusted Valve
NILEW730	9/22/2020 15:27	0.36	0.19	Adjusted Valve, Second Reading
NILEW730	9/22/2020 15:30	0.17	0.17	Adjusted Valve, Third Reading
NILEW730	9/22/2020 16:36	-0.02	-0.04	In Compliance
NILEW736	12/1/2020 12:29	3.25	3.25	Adjusted Valve
NILEW736	12/1/2020 12:32	3.24	1.55	Adjusted Valve, Second Reading
NILEW736	12/1/2020 12:35	1.61	1.62	Adjusted Valve, Third Reading
NILEW736	12/1/2020 16:33	3.13	1.47	Adjusted Valve, Fourth Reading
NILEW736	12/1/2020 16:35	1.52	1.43	Adjusted Valve, Fifth Reading
NILEW736	12/2/2020 11:37	3.11	-0.14	In Compliance
NILEW736	12/18/2020 15:15	0.96	-0.29	Adjusted Valve, In Compliance
NILEW736	1/13/2021 15:09	0.45	-1.45	Adjusted Valve, In Compliance
NILEW737	12/1/2020 12:42	2.33	2.33	Adjusted Valve
NILEW737	12/1/2020 12:46	2.34	1.19	Adjusted Valve, Second Reading
NILEW737	12/1/2020 12:48	1.13	1.14	Adjusted Valve, Third Reading
NILEW737	12/1/2020 16:26	0.95	0.48	Adjusted Valve, Fourth Reading
NILEW737	12/1/2020 16:27	0.45	0.46	Adjusted Valve, Fifth Reading
NILEW737	12/2/2020 11:28	0.26	-0.12	In Compliance
NILEW739	10/20/2020 10:52	84.88	85.39	Adjusted Valve
NILEW739	10/20/2020 10:55	100.72	50.4	Adjusted Valve, Second Reading
NILEW739	10/20/2020 10:58	48.34	48.51	Adjusted Valve, Third Reading
NILEW739	10/20/2020 14:45	97.35	49.18	Adjusted Valve, Fourth Reading
NILEW739	10/20/2020 14:47	36.55	36.04	Adjusted Valve, Fifth Reading
NILEW739	10/21/2020 11:09	-36.04	-27.28	In Compliance
NILEW740	12/1/2020 12:54	2.28	2.27	Adjusted Valve
NILEW740	12/1/2020 12:58	2.3	1.18	Adjusted Valve, Second Reading
NILEW740	12/1/2020 12:59	1.1	1.1	Adjusted Valve, Third Reading
NILEW740	12/1/2020 15:51	1.11	0.54	Adjusted Valve, Fourth Reading



**Table 3. Wells with Positive Pressure  
Newby Island Landfill, Milpitas, California  
(August 1, 2020 through January 31, 2021)**

Well ID	Date and Time	Initial Static Pressure ("H <sub>2</sub> O)	Adjusted Static Pressure ("H <sub>2</sub> O)	Comments
NILEW740	12/1/2020 15:53	0.58	0.5	Adjusted Valve, Fifth Reading
NILEW740	12/2/2020 10:53	0.32	-0.13	In Compliance
NILEW741	12/17/2020 10:06	3.88	3.9	Adjusted Valve
NILEW741	12/17/2020 10:13	3.96	2	Adjusted Valve, Second Reading
NILEW741	12/17/2020 10:14	1.98	1.98	Adjusted Valve, Third Reading
NILEW741	12/17/2020 13:54	1.94	0.98	Adjusted Valve, Fourth Reading
NILEW741	12/17/2020 13:58	0.78	0.65	Adjusted Valve, Fifth Reading
NILEW741	12/18/2020 15:39	-0.33	-0.54	In Compliance
NILEW741	1/20/2021 14:27	0.12	-0.2	Adjusted Valve, In Compliance
NILEW742	11/24/2020 13:38	28.25	28.21	Adjusted Valve
NILEW742	11/24/2020 13:48	28.8	14.86	Adjusted Valve, Second Reading
NILEW742	11/24/2020 13:50	14.06	14.19	Adjusted Valve, Third Reading
NILEW742	11/24/2020 15:01	13.56	6.86	Adjusted Valve, Fourth Reading
NILEW742	11/24/2020 15:03	6.06	6.06	Adjusted Valve, Fifth Reading
NILEW742	11/25/2020 10:13	4.35	-0.11	In Compliance
NILEW742	12/3/2020 12:15	13.6	-0.11	Adjusted Valve, In Compliance
NILEW745	9/22/2020 15:36	8	8	Adjusted Valve
NILEW745	9/22/2020 15:39	8	4	Adjusted Valve, Second Reading
NILEW745	9/22/2020 15:42	3.9	3.9	Adjusted Valve, Third Reading
NILEW745	9/22/2020 16:51	1.93	0.97	Adjusted Valve, Fourth Reading
NILEW745	9/22/2020 16:52	0.94	0.94	Adjusted Valve, Fifth Reading
NILEW745	9/23/2020 12:40	-2.07	-0.81	In Compliance
NILEW745	10/8/2020 15:29	1.01	-0.14	Adjusted Valve, In Compliance
NILEW747	9/22/2020 12:30	0.34	0.34	Adjusted Valve
NILEW747	9/22/2020 12:32	0.34	0.15	Adjusted Valve, Second Reading
NILEW747	9/22/2020 12:33	0.16	0.15	Adjusted Valve, Third Reading
NILEW747	9/22/2020 15:14	0.08	0.02	Adjusted Valve, Fourth Reading
NILEW747	9/22/2020 15:16	0.04	0.03	Adjusted Valve, Fifth Reading
NILEW747	9/23/2020 13:03	-0.14	-0.13	In Compliance
NILEW748	10/20/2020 12:00	1.31	1.33	Adjusted Valve
NILEW748	10/20/2020 12:07	1.05	0.55	Adjusted Valve, Second Reading
NILEW748	10/20/2020 12:09	0.52	0.52	Adjusted Valve, Third Reading
NILEW748	10/20/2020 15:27	4.14	2.14	Adjusted Valve, Fourth Reading
NILEW748	10/20/2020 15:28	1.84	1.85	Adjusted Valve, Fifth Reading
NILEW748	10/21/2020 10:07	-7.41	-7.03	In Compliance
NILEW748	11/10/2020 15:23	5.64	-0.11	Adjusted Valve, In Compliance
NILEW749	10/20/2020 10:52	0.29	0.3	Adjusted Valve



**Table 3. Wells with Positive Pressure  
Newby Island Landfill, Milpitas, California  
(August 1, 2020 through January 31, 2021)**

Well ID	Date and Time	Initial Static Pressure ("H <sub>2</sub> O)	Adjusted Static Pressure ("H <sub>2</sub> O)	Comments
NILEW749	10/20/2020 10:56	0.3	0.14	Adjusted Valve, Second Reading
NILEW749	10/20/2020 10:58	0.15	0.15	Adjusted Valve, Third Reading
NILEW749	10/20/2020 15:19	0.31	0.16	Adjusted Valve, Fourth Reading
NILEW749	10/20/2020 15:25	0.15	0.17	Adjusted Valve, Fifth Reading
NILEW749	10/21/2020 9:52	0.18	-0.13	In Compliance
NILEW750	10/20/2020 11:04	2.65	2.67	Adjusted Valve
NILEW750	10/20/2020 11:09	2.73	1.31	Adjusted Valve, Second Reading
NILEW750	10/20/2020 11:12	1.36	1.36	Adjusted Valve, Third Reading
NILEW750	10/20/2020 15:27	2.02	1.05	Adjusted Valve, Fourth Reading
NILEW750	10/20/2020 15:30	1	0.97	Adjusted Valve, Fifth Reading
NILEW750	10/21/2020 10:00	1.4	-0.14	In Compliance
NILEW750	11/10/2020 15:11	49.85	-0.75	Adjusted Valve, In Compliance
NILEW752	10/20/2020 11:25	23.27	23.27	Adjusted Valve
NILEW752	10/20/2020 11:30	23.69	11.87	Adjusted Valve, Second Reading
NILEW752	10/20/2020 11:33	11.87	11.87	Adjusted Valve, Third Reading
NILEW752	10/20/2020 15:44	11.15	5.53	Adjusted Valve, Fourth Reading
NILEW752	10/20/2020 15:46	5.41	5.41	Adjusted Valve, Fifth Reading
NILEW752	10/21/2020 10:18	2.19	-0.13	In Compliance
NILEW755	12/1/2020 11:15	1.1	1.11	Adjusted Valve
NILEW755	12/1/2020 11:18	1.24	0.61	Adjusted Valve, Second Reading
NILEW755	12/1/2020 11:20	0.58	0.58	Adjusted Valve, Third Reading
NILEW755	12/1/2020 15:18	0.3	0.16	Adjusted Valve, Fourth Reading
NILEW755	12/1/2020 15:19	0.14	0.14	Adjusted Valve, Fifth Reading
NILEW755	12/2/2020 16:48	-0.5	-0.5	In Compliance
NILEW756	12/17/2020 10:34	3.45	3.42	Adjusted Valve
NILEW756	12/17/2020 10:39	3.47	1.76	Adjusted Valve, Second Reading
NILEW756	12/17/2020 10:41	1.69	1.65	Adjusted Valve, Third Reading
NILEW756	12/17/2020 14:18	1.5	0.81	Adjusted Valve, Fourth Reading
NILEW756	12/17/2020 14:20	0.75	0.71	Adjusted Valve, Fifth Reading
NILEW756	12/18/2020 15:54	1.16	-0.14	In Compliance
NILEW756	1/27/2021 13:39	1.72	-0.65	Adjusted Valve, In Compliance
NILEW757	10/20/2020 12:05	3.52	3.55	Adjusted Valve
NILEW757	10/20/2020 12:09	3.63	1.8	Adjusted Valve, Second Reading
NILEW757	10/20/2020 12:12	1.83	1.83	Adjusted Valve, Third Reading
NILEW757	10/20/2020 15:53	2	1.03	Adjusted Valve, Fourth Reading
NILEW757	10/20/2020 16:00	1.05	1.05	Adjusted Valve, Fifth Reading
NILEW757	10/21/2020 11:41	0.8	-0.1	In Compliance
NILEW757	1/12/2021 11:49	0.43	-0.25	Adjusted Valve, In Compliance

**Table 3. Wells with Positive Pressure  
Newby Island Landfill, Milpitas, California  
(August 1, 2020 through January 31, 2021)**

Well ID	Date and Time	Initial Static Pressure ("H <sub>2</sub> O)	Adjusted Static Pressure ("H <sub>2</sub> O)	Comments
NILEW759	10/20/2020 10:40	14.27	14.27	Adjusted Valve
NILEW759	10/20/2020 10:43	13.85	6.74	Adjusted Valve, Second Reading
NILEW759	10/20/2020 10:45	6.74	6.74	Adjusted Valve, Third Reading
NILEW759	10/20/2020 14:37	2.18	1.32	Adjusted Valve, Fourth Reading
NILEW759	10/20/2020 14:39	1.03	1.1	Adjusted Valve, Fifth Reading
NILEW759	10/21/2020 11:05	-36.13	-35.71	In Compliance
NILEW759	12/8/2020 14:09	1.88	-0.21	Adjusted Valve, In Compliance
NILEW760	10/20/2020 10:32	0.63	0.64	Adjusted Valve
NILEW760	10/20/2020 10:35	0.67	0.36	Adjusted Valve, Second Reading
NILEW760	10/20/2020 10:36	0.35	0.36	Adjusted Valve, Third Reading
NILEW760	10/20/2020 14:29	0.75	0.34	Adjusted Valve, Fourth Reading
NILEW760	10/20/2020 14:31	0.3	0.3	Adjusted Valve, Fifth Reading
NILEW760	10/21/2020 10:53	-0.59	-0.28	In Compliance
NILEW761	10/28/2020 11:04	1.11	1.12	Adjusted Valve
NILEW761	10/28/2020 11:07	1.09	0.59	Adjusted Valve, Second Reading
NILEW761	10/28/2020 11:08	0.57	0.57	Adjusted Valve, Third Reading
NILEW761	10/28/2020 14:05	0.74	0.37	Adjusted Valve, Fourth Reading
NILEW761	10/28/2020 14:07	0.37	0.37	Adjusted Valve, Fifth Reading
NILEW761	10/29/2020 10:10	0.05	-0.2	In Compliance
NILEW762	10/20/2020 10:22	1.46	1.48	Adjusted Valve
NILEW762	10/20/2020 10:25	1.47	0.73	Adjusted Valve, Second Reading
NILEW762	10/20/2020 10:27	0.76	0.74	Adjusted Valve, Third Reading
NILEW762	10/20/2020 14:22	1.3	0.65	Adjusted Valve, Fourth Reading
NILEW762	10/20/2020 14:24	0.6	0.6	Adjusted Valve, Fifth Reading
NILEW762	10/21/2020 10:46	0.36	-0.1	In Compliance
NILEW762	12/8/2020 13:46	1.2	-0.44	Adjusted Valve, In Compliance
NILEW763	9/2/2020 14:05	0.58	0.65	Adjusted Valve
NILEW763	9/2/2020 15:12	0.76	0.32	Adjusted Valve, Second Reading
NILEW763	9/2/2020 15:14	0.35	0.3	Adjusted Valve, Third Reading
NILEW763	9/2/2020 16:19	0.34	0.1	Adjusted Valve, Fourth Reading
NILEW763	9/2/2020 16:22	0.1	0.13	Adjusted Valve, Fifth Reading
NILEW763	9/3/2020 15:58	0.03	-0.18	In Compliance
NILEW764	10/20/2020 15:43	0.32	0.32	Adjusted Valve
NILEW764	10/20/2020 15:46	0.33	0.16	Adjusted Valve, Second Reading
NILEW764	10/20/2020 15:47	0.14	0.16	Adjusted Valve, Third Reading
NILEW764	10/20/2020 16:46	0.14	0.06	Adjusted Valve, Fourth Reading
NILEW764	10/20/2020 16:47	0.07	0.08	Adjusted Valve, Fifth Reading
NILEW764	10/21/2020 10:34	0.18	-0.53	In Compliance
NILEW764	11/17/2020 14:48	36.04	-0.95	Adjusted Valve, In Compliance

**Table 3. Wells with Positive Pressure  
Newby Island Landfill, Milpitas, California  
(August 1, 2020 through January 31, 2021)**

Well ID	Date and Time	Initial Static Pressure ("H <sub>2</sub> O)	Adjusted Static Pressure ("H <sub>2</sub> O)	Comments
NILEW765	10/20/2020 12:20	4.4	4.4	Adjusted Valve
NILEW765	10/20/2020 12:23	4.45	2.25	Adjusted Valve, Second Reading
NILEW765	10/20/2020 12:25	2.27	2.27	Adjusted Valve, Third Reading
NILEW765	10/20/2020 15:07	3.85	1.9	Adjusted Valve, Fourth Reading
NILEW765	10/20/2020 15:09	1.87	1.82	Adjusted Valve, Fifth Reading
NILEW765	10/21/2020 10:26	0.26	-0.15	In Compliance
NILEW767	10/20/2020 13:28	1.95	1.95	Adjusted Valve
NILEW767	10/20/2020 13:33	2.15	1.1	Adjusted Valve, Second Reading
NILEW767	10/20/2020 13:35	1.11	1.1	Adjusted Valve, Third Reading
NILEW767	10/20/2020 16:26	1.3	0.75	Adjusted Valve, Fourth Reading
NILEW767	10/20/2020 16:28	0.75	0.76	Adjusted Valve, Fifth Reading
NILEW767	10/21/2020 12:30	0.95	-0.1	In Compliance
NILEW768	10/20/2020 13:42	0.89	0.89	Adjusted Valve
NILEW768	10/20/2020 13:44	0.9	0.45	Adjusted Valve, Second Reading
NILEW768	10/20/2020 13:46	0.45	0.45	Adjusted Valve, Third Reading
NILEW768	10/20/2020 16:32	0.41	0.2	Adjusted Valve, Fourth Reading
NILEW768	10/20/2020 16:35	0.2	0.2	Adjusted Valve, Fifth Reading
NILEW768	10/21/2020 12:24	0.29	-0.1	In Compliance
NILHC207	9/7/2020 13:36	0.01	0.02	Adjusted Valve
NILHC207	9/8/2020 13:20	0	-0.01	In Compliance
NILHC207	9/10/2020 11:18	0.03	-0.19	Adjusted Valve, In Compliance
NILHC212	9/2/2020 11:11	0.04	0.04	Horizontal Collector Permanently Decommissioned Due to Poor Gas Quality
NILHC215	8/28/2020 12:59	17.78	18.37	Horizontal Collector Permanently Decommissioned Due to Poor Gas Quality
NILHC223	8/28/2020 13:22	21.41	16.39	Horizontal Collector Permanently Decommissioned Due to Poor Gas Quality
NILHC235	9/2/2020 12:19	-24.25	0.21	Adjusted Valve
NILHC235	9/2/2020 12:21	0.09	0.16	Horizontal Collector Permanently Decommissioned Due to Poor Gas Quality
NILLEW16	9/7/2020 18:14	21.34	21.97	Adjusted Valve
NILLEW16	9/7/2020 18:19	22.63	22.97	Second Reading
NILLEW16	9/8/2020 12:35	2.79	2.8	Adjusted Valve

**Table 3. Wells with Positive Pressure  
Newby Island Landfill, Milpitas, California  
(August 1, 2020 through January 31, 2021)**

Well ID	Date and Time	Initial Static Pressure ("H <sub>2</sub> O)	Adjusted Static Pressure ("H <sub>2</sub> O)	Comments
NILLEW16	9/9/2020 11:58	3.02	3.02	Adjusted Valve
NILLEW16	9/10/2020 11:02	2.29	-9.77	In Compliance
NILLEW16	10/30/2020 11:27	0.18	-0.17	Adjusted Valve, In Compliance
NILMW013	11/16/2020 12:32	0.52	-0.05	Adjusted Valve, In Compliance
NILMW016	11/10/2020 11:32	0.24	-0.34	Adjusted Valve, In Compliance
NILMW020	12/10/2020 11:27	4.21	-0.14	Adjusted Valve, In Compliance
NILMW021	8/12/2020 11:55	0.03	-2.68	Adjusted Valve, In Compliance
NILMW031	12/8/2020 10:22	0.55	-0.04	Adjusted Valve, In Compliance
NILMW032	8/26/2020 14:20	0.61	-4.95	Adjusted Valve, In Compliance
NILMW032	1/14/2021 11:31	0.06	-11.79	Adjusted Valve, In Compliance
NILMW033	11/23/2020 15:47	0.07	-1.07	Adjusted Valve, In Compliance
NILMW034	11/23/2020 15:41	0.07	-0.32	Adjusted Valve, In Compliance
NILW475A	10/15/2020 11:20	3.48	3.34	Adjusted Valve
NILW475A	10/15/2020 11:21	3.58	3.28	Second Reading
NILW475A	10/22/2020 14:03	-38.15	-37.14	In Compliance
NILW481A	1/13/2021 16:25	3.99	2.02	Adjusted Valve
NILW481A	1/13/2021 16:26	2.01	2.06	Second Reading
NILW481A	1/14/2021 10:18	0.17	-0.16	In Compliance
NILW481A	1/20/2021 13:05	0.92	-1.1	Adjusted Valve, In Compliance
NILW627A	1/13/2021 10:41	6.06	6.06	Adjusted Valve
NILW627A	1/13/2021 11:28	6.65	3.33	Adjusted Valve, Second Reading
NILW627A	1/13/2021 11:30	3.16	3.16	Adjusted Valve, Third Reading
NILW627A	1/13/2021 16:16	2.33	1.19	Adjusted Valve, Fourth Reading
NILW627A	1/13/2021 16:17	1.16	1.18	Adjusted Valve, Fifth Reading
NILW627A	1/14/2021 16:43	0.56	-0.15	In Compliance
NISS17-1	9/7/2020 14:50	4.71	4.71	Adjusted Valve
NISS17-1	9/7/2020 14:51	4.64	4.64	Second Reading
NISS17-1	9/8/2020 12:48	-0.01	-0.01	In Compliance
NISS17-1	9/8/2020 16:13	2.33	2.32	Adjusted Valve
NISS17-1	9/9/2020 12:22	1.35	1.36	Second Reading
NISS17-1	9/10/2020 11:46	0.01	-3.34	In Compliance

**Table 3. Wells with Positive Pressure  
Newby Island Landfill, Milpitas, California  
(August 1, 2020 through January 31, 2021)**

Well ID	Date and Time	Initial Static Pressure ("H <sub>2</sub> O)	Adjusted Static Pressure ("H <sub>2</sub> O)	Comments
NISS17-1	10/14/2020 13:06	1.34	1.27	Adjusted Valve
NISS17-1	10/14/2020 13:07	0.93	0.92	Second Reading
NISS17-1	10/23/2020 14:18	-3.23	-3.97	In Compliance
NISS17-2	9/7/2020 14:46	6.21	6.54	Adjusted Valve
NISS17-2	9/7/2020 14:47	6.54	6.46	Second Reading
NISS17-2	9/8/2020 12:45	7	7	Adjusted Valve
NISS17-2	9/9/2020 12:12	6.74	6.74	Adjusted Valve
NISS17-2	9/10/2020 11:40	6.65	4.52	Adjusted Valve
NISS17-2	9/10/2020 14:24	4.1	-0.17	In Compliance
NISS17-2	10/14/2020 13:02	6.4	6.06	Adjusted Valve
NISS17-2	10/14/2020 13:04	6.06	6.06	Second Reading
NISS17-2	10/26/2020 15:42	-0.4	-0.37	In Compliance
NISS17-2	12/22/2020 10:10	5.73	-0.15	Adjusted Valve, In Compliance
NISS17-3	10/14/2020 12:49	1.21	1.22	Adjusted Valve
NISS17-3	10/14/2020 12:50	1.34	1.42	Second Reading
NISS17-3	10/23/2020 14:04	-39.2	-39.2	In Compliance
NISS17-6	10/14/2020 10:17	1.48	1.49	Adjusted Valve
NISS17-6	10/14/2020 10:19	1.5	1.5	Second Reading
NISS17-6	10/23/2020 13:36	-7.54	-5.52	In Compliance
NLCR1112	11/16/2020 10:20	10.6	-0.26	Adjusted Valve, In Compliance
NLCRST05	11/4/2020 16:01	3.91	-0.87	Adjusted Valve, In Compliance

Note: All required corrective action and remonitoring was completed in accordance with Rule 8-34 and NSPS timelines.

**Table 4. Wells with Oxygen Exceedances  
Newby Island Landfill, Milpitas, California  
(August 1, 2020 through January 31, 2021)**

Well ID	Date and Time	Oxygen (%)	Comments
NILCRS15	8/21/2020 13:30	5.2	Adjusted Valve
NILCRS15	8/21/2020 13:31	5.3	Second Reading
NILCRS15	9/2/2020 11:57	4.6	In Compliance
NILCRS15	9/2/2020 11:58	11.5	Well Permanently Decommissioned Due to Poor Gas Quality
NILCRS17	9/24/2020 15:52	14.3	Well Permanently Decommissioned Due to Poor Gas Quality
NILEW035	1/25/2021 9:50	7.8	Adjusted Valve
NILEW035	1/25/2021 9:52	7.8	Second Reading
NILEW035	1/29/2021 12:16	4.7	In Compliance
NILEW463	10/23/2020 11:05	5.7	Adjusted Valve
NILEW463	10/23/2020 11:08	7.8	Second Reading
NILEW463	11/4/2020 16:17	1.4	In Compliance
NILEW463	11/16/2020 11:56	6.1	Adjusted Valve
NILEW463	11/16/2020 11:58	6.1	Second Reading
NILEW463	11/23/2020 14:57	6.5	Adjusted Valve
NILEW463	11/23/2020 15:00	2.3	In Compliance
NILEW463	1/6/2021 12:22	6	Adjusted Valve
NILEW463	1/6/2021 12:23	3.3	In Compliance
NILEW483	12/14/2020 13:59	20.8	Adjusted Valve
NILEW483	12/14/2020 14:00	20.9	Second Reading
NILEW483	12/22/2020 9:41	0	In Compliance
NILEW514	11/17/2020 11:03	10	Adjusted Valve
NILEW514	11/17/2020 11:07	4.7	In Compliance
NILEW581	8/13/2020 15:02	18.4	Well Permanently Decommissioned Due to Poor Gas Quality
NILEW620	11/15/2020 15:41	13	Adjusted Valve
NILEW620	11/15/2020 15:42	17.1	Second Reading
NILEW620	11/23/2020 14:35	0	In Compliance
NILEW621	7/29/2020 14:29	9.7	(Initial Exceedance was on 7/29) Adjusted Valve
NILEW621	7/29/2020 14:31	9.6	Second Reading
NILEW621	8/6/2020 16:17	9.2	Adjusted Valve
NILEW621	8/21/2020 15:01	14.5	Adjusted Valve
NILEW621	8/21/2020 15:02	13.3	Second Reading
NILEW621	9/4/2020 14:03	10.9	Adjusted Valve
NILEW621	9/4/2020 14:04	10.1	Second Reading
NILEW621	9/29/2020 17:26	20.4	Adjusted Valve
NILEW621	10/2/2020 15:18	20.4	Well Permanently Decommissioned Due to Poor Gas Quality
NILEW640	11/15/2020 14:00	8.5	Adjusted Valve

**Table 4. Wells with Oxygen Exceedances  
Newby Island Landfill, Milpitas, California  
(August 1, 2020 through January 31, 2021)**

Well ID	Date and Time	Oxygen (%)	Comments
NILEW640	11/15/2020 14:02	6.8	Second Reading
NILEW640	11/15/2020 14:04	4.8	In Compliance
NILEW656	12/28/2020 12:24	9.8	Adjusted Valve
NILEW656	12/28/2020 12:25	8.8	Second Reading
NILEW656	1/8/2021 10:49	1.1	In Compliance
NILEW666	1/7/2021 11:42	5.1	Adjusted Valve
NILEW666	1/7/2021 11:43	5.7	Second Reading
NILEW666	1/20/2021 12:51	0	In Compliance
NILEW677	11/12/2020 9:50	7.2	Adjusted Valve
NILEW677	11/12/2020 9:52	6.7	Second Reading
NILEW677	11/17/2020 11:18	10.9	Adjusted Valve
NILEW677	11/17/2020 11:19	7.7	Second Reading
NILEW677	12/10/2020 15:57	5.8	Adjusted Valve
NILEW677	12/23/2020 13:56	11.4	Adjusted Valve
NILEW677	1/13/2021 13:30	4	In Compliance
NILEW683	10/15/2020 11:31	10.4	Adjusted Valve
NILEW683	10/15/2020 11:32	10.5	Second Reading
NILEW683	10/22/2020 13:54	0	In Compliance
NILEW683	12/8/2020 14:27	17.6	Adjusted Valve
NILEW683	12/8/2020 14:29	17.9	Second Reading
NILEW683	12/21/2020 16:19	6.6	Adjusted Valve
NILEW683	1/13/2021 13:43	3.5	In Compliance
NILEW686	12/28/2020 13:05	21.4	Adjusted Valve
NILEW686	12/28/2020 13:06	21.4	Second Reading
NILEW686	1/8/2021 10:31	22	Adjusted Valve
NILEW686	1/8/2021 10:32	22.5	Second Reading
NILEW686	1/28/2021 11:49	0.5	In Compliance
NILEW694	11/17/2020 10:40	13.6	Adjusted Valve
NILEW694	11/17/2020 10:41	14	Second Reading
NILEW694	11/23/2020 16:44	1.5	In Compliance
NILEW700	11/15/2020 10:41	13.3	Adjusted Valve
NILEW700	11/15/2020 10:43	12	Second Reading
NILEW700	11/23/2020 14:45	8.9	Adjusted Valve
NILEW700	12/4/2020 12:00	1.4	In Compliance
NILEW723	12/16/2020 14:10	15.4	Adjusted Valve
NILEW723	12/16/2020 14:12	14.7	Adjusted Valve, Second Reading
NILEW723	12/16/2020 14:15	13	Adjusted Valve, Third Reading
NILEW723	12/16/2020 15:29	13.4	Adjusted Valve, Fourth Reading
NILEW723	12/17/2020 11:13	13.4	Adjusted Valve

**Table 4. Wells with Oxygen Exceedances  
Newby Island Landfill, Milpitas, California  
(August 1, 2020 through January 31, 2021)**

Well ID	Date and Time	Oxygen (%)	Comments
NILEW723	12/29/2020 14:20	10.5	Adjusted Valve
NILEW723	1/13/2021 14:00	12.9	Adjusted Valve
NILEW723	1/27/2021 11:01	10.7	Adjusted Valve
NILEW730	1/6/2021 11:56	13.8	Adjusted Valve
NILEW730	1/6/2021 11:57	14	Second Reading
NILEW730	1/7/2021 14:55	7.6	Adjusted Valve
NILEW730	1/7/2021 14:56	7.6	Second Reading
NILEW730	1/18/2021 12:14	12	Adjusted Valve
NILEW730	1/28/2021 12:07	0	In Compliance
NILEW735	12/16/2020 13:27	10.4	Adjusted Valve
NILEW735	12/16/2020 13:31	4.5	In Compliance
NILEW769	12/21/2020 15:19	5.9	Adjusted Valve
NILEW769	12/21/2020 15:22	5.7	Second Reading
NILEW769	12/30/2020 10:28	16.5	Adjusted Valve
NILEW769	1/12/2021 11:32	13.1	Adjusted Valve
NILEW769	1/20/2021 14:01	0.1	In Compliance
NILHC207	9/10/2020 11:18	6.9	Adjusted Valve
NILHC207	9/10/2020 11:20	0	In Compliance
NILHC212	9/2/2020 11:10	7.2	Adjusted Valve
NILHC212	9/2/2020 11:11	16.2	Horizontal Collector Permanently Decommissioned Due to Poor Gas Quality
NILHC216	9/2/2020 11:22	18.4	Horizontal Collector Permanently Decommissioned Due to Poor Gas Quality
NILHC227	8/28/2020 13:12	20.6	Adjusted Valve
NILHC227	8/28/2020 13:13	20.8	Horizontal Collector Permanently Decommissioned Due to Poor Gas Quality
NILLEW16	9/7/2020 18:14	12.7	Adjusted Valve
NILLEW16	9/7/2020 18:19	12.5	Second Reading
NILLEW16	9/8/2020 12:35	0	In Compliance
NILLEW16	10/23/2020 9:24	11.1	Adjusted Valve
NILLEW16	10/23/2020 9:25	10.1	Second Reading
NILLEW16	10/30/2020 11:27	0.2	In Compliance
NILLEW16	12/11/2020 15:30	7.4	Adjusted Valve
NILLEW16	12/11/2020 15:31	7.6	Second Reading
NILLEW16	12/14/2020 14:22	16.5	Adjusted Valve
NILLEW16	12/22/2020 10:47	19.5	Adjusted Valve
NILLEW16	12/22/2020 10:49	19.1	Second Reading
NILLEW16	1/7/2021 10:30	13	Adjusted Valve



**Table 4. Wells with Oxygen Exceedances  
Newby Island Landfill, Milpitas, California  
(August 1, 2020 through January 31, 2021)**

Well ID	Date and Time	Oxygen (%)	Comments
NILLEW16	1/7/2021 10:33	12.7	Second Reading
NILLEW16	1/25/2021 10:38	15.4	Adjusted Valve
NILLEW16	1/25/2021 10:40	15.4	Second Reading
NILMW026	11/16/2020 13:19	20.6	Adjusted Valve
NILMW026	11/16/2020 13:22	21.3	Second Reading
NILMW026	11/23/2020 15:20	0	In Compliance
NILMW030	12/22/2020 9:18	21.7	Adjusted Valve
NILMW030	12/22/2020 9:20	22	Second Reading
NILMW030	12/30/2020 13:13	4.8	In Compliance
NILMW030	1/6/2021 10:22	21.8	Adjusted Valve
NILMW030	1/6/2021 10:23	21.4	Second Reading
NILMW030	1/18/2021 11:43	1.9	In Compliance
NILMW030	1/25/2021 9:46	21.4	Adjusted Valve
NILMW030	1/25/2021 9:48	21.2	Second Reading
NILMW030	1/29/2021 12:12	4.8	In Compliance
NILMW033	11/23/2020 15:47	10.4	Adjusted Valve
NILMW033	11/23/2020 15:50	0.6	In Compliance
NILMW034	11/23/2020 15:41	6.8	Adjusted Valve
NILMW034	11/23/2020 15:44	0.4	In Compliance
NILW475A	8/25/2020 14:44	7.7	Adjusted Valve
NILW475A	8/25/2020 14:46	7.1	Second Reading
NILW475A	9/4/2020 15:11	9.1	Adjusted Valve
NILW475A	9/4/2020 15:13	8.6	Second Reading
NILW475A	9/29/2020 15:56	6.1	Adjusted Valve
NILW475A	9/29/2020 15:57	6.2	Second Reading
NILW475A	10/15/2020 11:20	2.3	In Compliance
NILW475A	11/6/2020 10:44	11.6	Adjusted Valve
NILW475A	11/6/2020 10:45	15.9	Second Reading
NILW475A	11/15/2020 16:04	15.2	Adjusted Valve
NILW475A	12/8/2020 14:40	4.6	In Compliance
NILW475A	1/27/2021 10:47	16.4	Adjusted Valve
NILW475A	1/27/2021 10:50	15.9	Second Reading
NISS17-1	10/14/2020 13:06	17.1	Adjusted Valve
NISS17-1	10/14/2020 13:07	17.1	Second Reading
NISS17-1	10/23/2020 14:18	0	In Compliance
NISS17-2	9/7/2020 14:46	8	Adjusted Valve
NISS17-2	9/7/2020 14:47	8	Second Reading

**Table 4. Wells with Oxygen Exceedances  
Newby Island Landfill, Milpitas, California  
(August 1, 2020 through January 31, 2021)**

<b>Well ID</b>	<b>Date and Time</b>	<b>Oxygen (%)</b>	<b>Comments</b>
NISS17-2	9/8/2020 12:45	7.7	Adjusted Valve
NISS17-2	9/9/2020 12:12	7.9	Second Reading
NISS17-2	9/10/2020 11:40	7.8	Adjusted Valve
NISS17-2	9/10/2020 14:24	7	Second Reading
NISS17-2	9/10/2020 14:26	6.9	Third Reading
NISS17-2	9/28/2020 13:51	1.4	In Compliance

Note: All required corrective action and monitoring was completed in accordance with Rule 8-34 and NSPS timelines

**Table 5. Wells with Temperature Exceedances  
Newby Island Landfill, Milpitas, California  
(August 1, 2020 through January 31, 2021)**

Well ID	Date and Time	Initial Temp [°F]	Adjusted Temp [°F]	Comments
NILEW476	6/5/2020 10:49	134.7	134.7	(Initial Exceedance was on 6/5) Adjusted Valve
NILEW476	6/5/2020 10:50	134.7	134.7	Second Reading
NILEW476	6/18/2020 13:47	135.9	136	Adjusted Valve
NILEW476	6/18/2020 13:49	136.2	136.2	Second Reading
NILEW476	7/1/2020 14:53	134.4	134.6	Adjusted Valve
NILEW476	7/1/2020 14:54	134.6	134.6	Second Reading
NILEW476	7/22/2020 12:19	133.2	133.2	Adjusted Valve
NILEW476	7/22/2020 12:20	133.3	133.2	Second Reading
NILEW476	8/5/2020 12:21	122.8	122.2	In Compliance
NILEW476	8/19/2020 12:06	133.3	133.3	Adjusted Valve
NILEW476	8/19/2020 12:07	133.2	133.2	Second Reading
NILEW476	9/1/2020 13:43	132.6	132.6	Adjusted Valve
NILEW476	9/1/2020 13:44	132.3	132.4	Second Reading
NILEW476	9/7/2020 15:06	111.7	111.9	In Compliance
NILEW476	10/2/2020 12:05	134.8	134.8	Adjusted Valve
NILEW476	10/2/2020 12:07	134.6	134.6	Second Reading
NILEW476	10/15/2020 15:30	134.6	134.8	Adjusted Valve
NILEW476	10/23/2020 10:46	133.3	133.3	Second Reading
NILEW476	10/30/2020 12:02	133.2	133.3	Adjusted Valve
NILEW476	11/5/2020 12:08	133.9	133.9	Adjusted Valve
NILEW476	11/12/2020 13:32	132.8	133.2	Adjusted Valve
NILEW476	11/16/2020 13:46	133.2	133	Adjusted Valve
NILEW476	12/3/2020 11:34	133.7	133.5	Adjusted Valve
NILEW476	12/14/2020 15:31	129.7	129.6	In Compliance
NILEW690	7/17/2020 15:25	134.4	133.2	(Initial Exceedance was on 7/17) Adjusted Valve
NILEW690	7/17/2020 15:27	133.7	133.9	Second Reading
NILEW690	7/29/2020 15:56	134.1	133.5	Adjusted Valve
NILEW690	7/29/2020 15:57	133.7	133.7	Second Reading
NILEW690	8/3/2020 15:21	134.1	134.1	Adjusted Valve
NILEW690	8/3/2020 15:22	134.2	134.2	Second Reading
NILEW690	8/19/2020 11:45	135	135	Adjusted Valve
NILEW690	8/19/2020 11:46	135	134.8	Second Reading
NILEW690	9/7/2020 14:16	110.7	110.7	In Compliance
NILEW690	9/10/2020 13:45	133.3	134.4	Adjusted Valve
NILEW690	9/10/2020 13:47	134.6	134.6	Second Reading
NILEW690	9/14/2020 11:59	135	134.8	Adjusted Valve
NILEW690	9/14/2020 12:03	134.6	134.6	Second Reading
NILEW690	9/23/2020 15:06	136	136	Adjusted Valve
NILEW690	10/2/2020 12:41	136.2	136.6	Adjusted Valve
NILEW690	10/2/2020 12:43	136.2	136.2	Second Reading
NILEW690	10/23/2020 10:36	132.1	132.2	Adjusted Valve
NILEW690	10/30/2020 11:56	132.7	132.5	Adjusted Valve
NILEW690	10/30/2020 14:48	131.7	130.4	In Compliance

**Table 5. Wells with Temperature Exceedances  
Newby Island Landfill, Milpitas, California  
(August 1, 2020 through January 31, 2021)**

Well ID	Date and Time	Initial Temp [°F]	Adjusted Temp [°F]	Comments
NILEW690	11/5/2020 15:13	133.1	133.1	Adjusted Valve
NILEW690	11/5/2020 15:15	133.2	133.2	Second Reading
NILEW690	11/12/2020 12:45	135.5	135.7	Adjusted Valve
NILEW690	11/12/2020 12:48	135.3	135.5	Second Reading
NILEW690	11/16/2020 13:04	135.9	135.9	Adjusted Valve
NILEW690	12/3/2020 10:44	135.7	135.9	Adjusted Valve
NILEW690	12/3/2020 10:46	135.7	135.7	Second Reading
NILEW690	12/14/2020 15:15	134.2	134.2	Adjusted Valve
NILEW690	12/21/2020 14:53	135	135	Adjusted Valve
NILEW690	1/7/2021 11:03	135	135	Adjusted Valve
NILEW690	1/7/2021 11:04	135	135	Second Reading
NILEW690	1/20/2021 13:34	135.7	135.7	Adjusted Valve
NILEW690	1/25/2021 10:31	135	135	Adjusted Valve
NILEW691	5/18/2020 11:15	131.7	131.7	(Initial Exceedance was on 5/18) Adjusted Valve
NILEW691	5/19/2020 10:51	131.7	131.7	Adjusted Valve
NILEW691	5/20/2020 10:37	132.8	132.4	Adjusted Valve
NILEW691	5/21/2020 9:53	132	132.2	Adjusted Valve
NILEW691	5/22/2020 12:28	132	131.9	Adjusted Valve
NILEW691	6/2/2020 16:21	132	132	Adjusted Valve
NILEW691	6/2/2020 16:23	132.3	132.3	Second Reading
NILEW691	6/25/2020 14:42	132.3	132.3	Adjusted Valve
NILEW691	6/25/2020 14:44	132.4	132.4	Second Reading
NILEW691	7/10/2020 16:54	132.8	132.8	Adjusted Valve
NILEW691	7/28/2020 15:33	132.3	132.4	Adjusted Valve
NILEW691	7/28/2020 15:34	132.1	132.1	Second Reading
NILEW691	8/12/2020 12:15	131.9	132.1	Adjusted Valve
NILEW691	8/12/2020 12:16	131.7	131.5	Second Reading
NILEW691	8/21/2020 16:12	131.2	130.3	In Compliance
NILEW691	9/11/2020 12:07	132.1	131.9	Adjusted Valve
NILEW691	9/11/2020 12:08	131.9	131.9	Second Reading
NILEW691	9/24/2020 12:02	131.2	131.2	Adjusted Valve
NILEW691	9/24/2020 12:03	131.2	131.2	Second Reading
NILEW691	10/13/2020 10:27	129.9	129.9	In Compliance
NILEW701	8/3/2020 15:03	134.2	137.3	Adjusted Valve
NILEW701	8/3/2020 15:05	137.8	137.8	Second Reading
NILEW701	8/14/2020 14:18	137.8	137.5	Adjusted Valve
NILEW701	8/14/2020 14:19	137.6	137.8	Second Reading
NILEW701	8/19/2020 11:25	139.6	139.3	Adjusted Valve
NILEW701	8/19/2020 11:27	139.1	139.1	Second Reading
NILEW701	9/3/2020 15:42	138.6	138.7	Adjusted Valve
NILEW701	9/3/2020 15:43	138.9	138.9	Second Reading
NILEW701	9/7/2020 13:59	109.4	109.2	In Compliance
NILEW701	9/10/2020 14:11	138.6	138.6	Adjusted Valve
NILEW701	9/10/2020 14:13	137.8	138.4	Second Reading
NILEW701	9/14/2020 11:20	139.3	139.5	Adjusted Valve

**Table 5. Wells with Temperature Exceedances  
Newby Island Landfill, Milpitas, California  
(August 1, 2020 through January 31, 2021)**

Well ID	Date and Time	Initial Temp [°F]	Adjusted Temp [°F]	Comments
NILEW701	9/23/2020 14:46	139.8	140	Adjusted Valve
NILEW701	10/2/2020 12:24	141.3	141.3	Adjusted Valve
NILEW701	10/5/2020 11:24	129	129	In Compliance
NILEW701	10/23/2020 9:55	139.8	140	Adjusted Valve
NILEW701	10/26/2020 15:39	139.1	139.1	Adjusted Valve
NILEW701	10/26/2020 15:40	139.1	139.1	Second Reading
NILEW701	10/30/2020 11:39	140	140	Adjusted Valve
NILEW701	11/5/2020 14:55	140.2	140.2	Adjusted Valve
NILEW701	11/12/2020 12:16	139.6	139.8	Adjusted Valve
NILEW701	11/16/2020 12:46	139.8	139.8	Adjusted Valve
NILEW701	12/3/2020 10:26	139.8	139.8	Adjusted Valve
NILEW701	12/14/2020 14:43	138.7	138.6	Adjusted Valve
NILEW701	12/21/2020 14:38	138.9	139.1	Adjusted Valve
NILEW701	1/7/2021 10:52	139	139	Adjusted Valve
NILEW701	1/20/2021 13:16	137.5	135.8	Adjusted Valve
NILEW701	1/29/2021 14:17	132.9	130.4	Adjusted Valve
NILEW701	1/29/2021 14:19	130.4	130.4	In Compliance
NILEW703	9/10/2020 14:04	130.5	132.1	Adjusted Valve
NILEW703	9/10/2020 14:06	132.1	132.3	Second Reading
NILEW703	9/14/2020 11:34	132.1	132.1	Adjusted Valve
NILEW703	9/23/2020 14:52	132.3	132.4	Adjusted Valve
NILEW703	10/2/2020 12:30	132.8	132.8	Adjusted Valve
NILEW703	10/23/2020 10:06	132.1	132.1	Adjusted Valve
NILEW703	10/30/2020 11:45	132.4	132.4	Adjusted Valve
NILEW703	11/5/2020 15:01	133	132.8	Adjusted Valve
NILEW703	11/12/2020 12:21	132.8	132.8	Adjusted Valve
NILEW703	11/16/2020 12:53	132.6	132.6	Adjusted Valve
NILEW703	12/3/2020 10:35	132.6	132.6	Adjusted Valve
NILEW703	12/14/2020 14:52	130.4	130.4	In Compliance
NILEW703	12/21/2020 14:42	131.7	132.3	Adjusted Valve
NILEW703	12/21/2020 14:43	132.4	132.4	Second Reading
NILEW703	12/30/2020 11:50	132.3	132.3	Adjusted Valve
NILEW703	1/7/2021 10:55	133	133	Adjusted Valve
NILEW703	1/7/2021 10:56	133	133	Second Reading
NILEW703	1/20/2021 13:24	132.4	132.4	Adjusted Valve
NILEW750	11/10/2020 15:11	130.1	140.7	Adjusted Valve
NILEW750	11/10/2020 15:12	140.7	140.7	Second Reading
NILEW750	11/16/2020 11:23	131.9	129.2	In Compliance
NILEW752	10/21/2020 10:18	143.6	143.4	Adjusted Valve
NILEW752	10/21/2020 10:19	143.4	143.6	Second Reading
NILEW752	10/29/2020 13:17	142.5	142.7	Adjusted Valve
NILEW752	10/29/2020 13:18	142.7	142.7	Second Reading
NILEW752	11/5/2020 12:10	142.7	142.7	Adjusted Valve
NILEW752	11/16/2020 13:51	142.3	142.3	Adjusted Valve
NILEW752	12/3/2020 11:38	141.8	141.8	Adjusted Valve

**Table 5. Wells with Temperature Exceedances  
Newby Island Landfill, Milpitas, California  
(August 1, 2020 through January 31, 2021)**

<b>Well ID</b>	<b>Date and Time</b>	<b>Initial Temp [°F]</b>	<b>Adjusted Temp [°F]</b>	<b>Comments</b>
NILEW752	12/3/2020 11:42	142	142.2	Second Reading
NILEW752	12/21/2020 15:13	141.3	141.3	Adjusted Valve
NILEW752	1/12/2021 11:27	140.7	140.7	Adjusted Valve
NILEW752	1/20/2021 13:57	140.9	137.5	Adjusted Valve
NILEW752	1/29/2021 13:52	133.2	130.3	In Compliance

Note: All required corrective action and remonitoring was completed in accordance with Rule 8-34 and NSPS timelines.

## Appendix A – Responsible Official Certification Form

Certification of Truth and Accuracy and Completeness:

I certify the following:

Based on the information and belief formed after reasonable inquiry, the information in this document are true, accurate, and complete:



\_\_\_\_\_  
Signature of Responsible Official

02/26/2021

\_\_\_\_\_  
Date

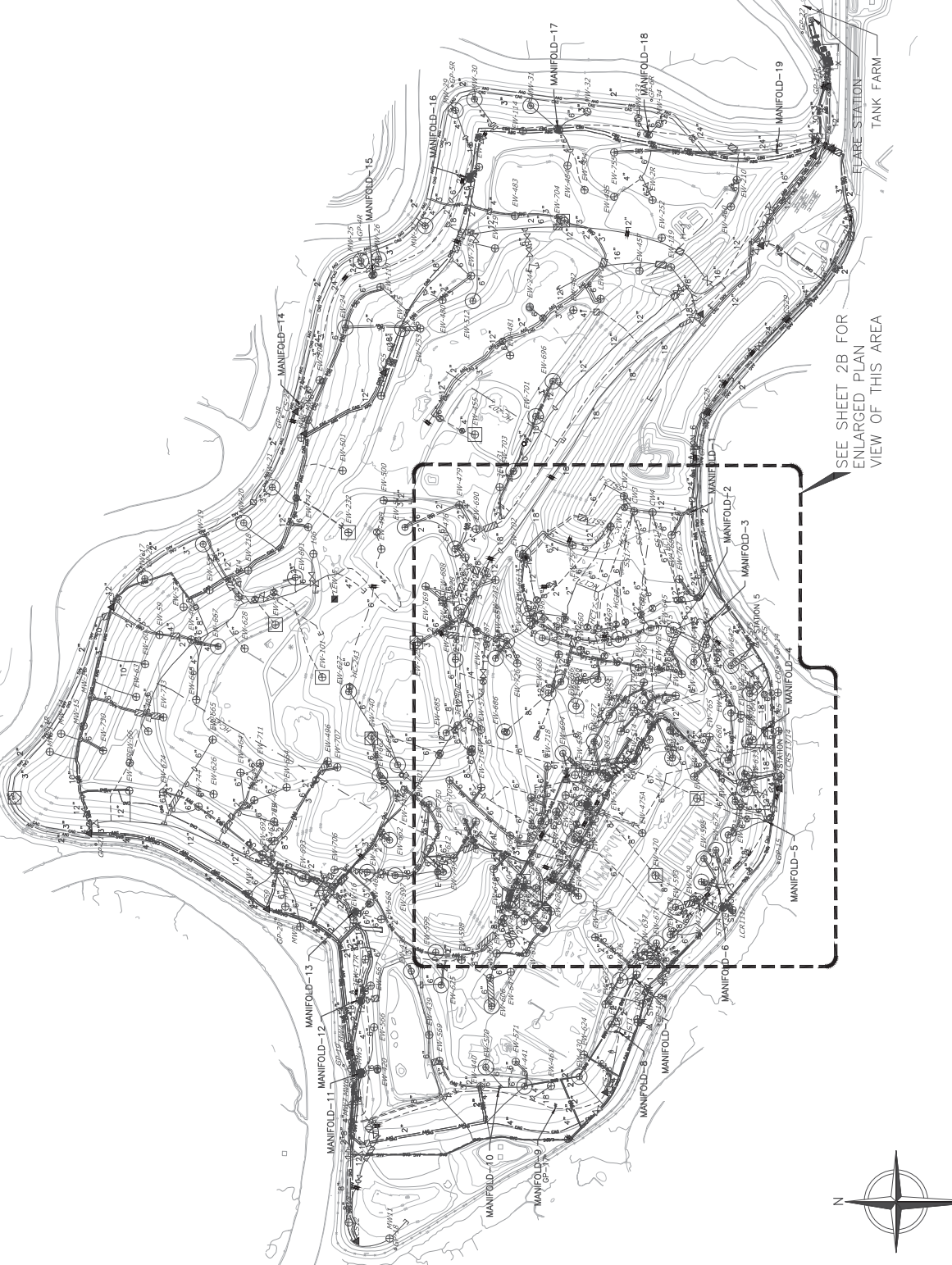
\_\_\_\_\_  
Daniel North  
Name of Responsible Official



## Appendix B – Existing GCCS Layout

**LEGEND**

- EXISTING 10' CONTOUR
- EXISTING LANDFILL GAS MONITORING PROBE
- EXISTING GAS/LIQUORATE EXTRACTION WELL (ABOVE GRADE)
- EXISTING VERTICAL GAS EXTRACTION WELL (BELOW GRADE/REMOTE WELLHEAD)
- EXISTING HORIZONTAL GAS COLLECTOR
- EXISTING GAS HEADER LINE, ON GRADE, SIZE VARIES
- EXISTING CONDENSATE LINE, ON GRADE
- EXISTING CONDENSATE LINE, BELOW GRADE
- EXISTING AIR LINE, ON GRADE
- EXISTING AIR LINE, BELOW GRADE
- EXISTING SIDE SLOPE COLLECTOR
- EXISTING ROAD CROSSING
- EXISTING VALVE
- EXISTING BLIND FLANGE
- EXISTING FLANGE CONNECTION
- EXISTING REDUCER
- EXISTING CAPPED PIPE
- EXISTING REMOTE WELLHEAD
- EXISTING SHALLOW LFG EXTRACTION WELL
- EXISTING REMOTE WELLHEAD MANIFOLD
- EXISTING CONDENSATE PUMP
- EXISTING REPLACEMENT MANIFOLD
- EXISTING SAMPLE PORT
- EXISTING PRESSURE RELIEF VALVE



SEE SHEET 2B FOR ENLARGED PLAN VIEW OF THIS AREA



**RECORD DRAWING**

SHEET NO. **2A**  
PROJECT NO. 200107

NEWBY ISLAND LANDFILL  
MILPITAS, CALIFORNIA  
2020 GCCS IMPROVEMENTS  
GCCS RECORD LAYOUT



DATE	DESCRIPTION	DESIGNED BY	CHECKED BY	DATE
1/18/2021	ISSUE FOR CONSTRUCTION	CSY	CSY	1/18/2021
DATE	DESCRIPTION	DESIGNED BY	CHECKED BY	DATE

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Appendix C – Excerpts from 2020 Source Test Results (report dated  
March 18, 2020)

**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

375 Beale Street, Suite 600  
San Francisco, California 94105  
(415) 771-6000

**Contractor Source Test Supplemental Form**

---

Site name: Newby Island Landfill  
NST number: 5815  
Testing company: Blue Sky Environmental, Inc.

Test purpose:

- Routine compliance testing
  - Compliance test required after previous source test failure
  - Start-up test
  - Other, ex: trial testing for permit changes, engineering studies  
Please explain \_\_\_\_\_
  - Revised report with corrections noted  
Revision number \_\_\_\_\_
- 

Preliminary test results:

- In compliance
- Not in compliance
- N/A  
Please explain \_\_\_\_\_

**International Disposal Corporation of CA**

**BAAQMD PLANT NO: A9013**

**Compliance Emissions Test Report #20040**

**Flare (A-2) FL-150**

**Flare (A-3) FL-100**

**Located at:**

Newby Island Landfill  
1601 Dixon Landing Road  
Milpitas, CA 95035

**Prepared For:**

Republic Services  
Rachelle Huber  
1601 Dixon Landing Road  
Milpitas, CA 95035  
RHuber2@republicservices.com

**For Submittal To:**

Marco Hernandez & Gloria Espena  
The Bay Area Air Quality Management District  
375 Beale Street, Suite 600  
San Francisco, CA 94105  
mhernandez@baaqmd.gov & gespena@baaaqmd.gov

**Testing Performed On:**

February 3<sup>rd</sup>, 2020

**Final Report Submitted On:**

March 18<sup>th</sup>, 2020

Revised September 16<sup>th</sup>, 2020

**Performed and Reported by:**

Blue Sky Environmental, Inc.  
624 San Gabriel Avenue  
Albany, CA 94706  
bluesky@blueskyenvironmental.com  
(510) 525 1261 office  
(510) 508 3469 cell



**Blue Sky Environmental, Inc.**

**624 San Gabriel Avenue**

**Albany, CA 94706**

*Office (510) 525 1261*

*Cell (510) 508 3469*

*blueskyenvironmental@yahoo.com*

March 18<sup>th</sup>, 2020

**Attn.:** Rachelle Huber  
Republic Services  
1601 Dixon Landing Road  
Milpitas, CA 95035

**Subject:** Source test emission report for Flares (A-2) and (A-3), located at Newby Island Landfill, 1601 Dixon Landing Road, Milpitas, CA 95035. Facility #: A5472 & A9013.

**Test Date(s):** February 3<sup>rd</sup>, 2020.

**Sampling Location:** Two flares are located at the above address. Sampling was conducted at the outlet exhaust stack of the A-3 (144-inch ID) Zink-Zule Flare and the A-2 (96-inch ID) Zink Flare. A-2 flare only had one port that could be opened. Traverse of the cross-section of A-3 Flare was performed for the all test runs.

**Sampling Personnel:** Sampling was performed by Jeramie Richardson and Kurt Mussatti of Blue Sky Environmental, Inc.

**Observing Personnel:** The BAAQMD were notified (NST #5815) of the test date, but no representatives were present during the test program. Max Polkabila of Tetra Tech was present to operate the flares (A-3 & A-2) and provide operating records of fuel flow and combustion temperature.

**Process Description:** The flares are used to burn landfill gas.

**Test Program:** The test program objective was to comply with the prevailing permit limits presented in the following Table.

Three 30-minute tests were performed on each flare exhaust. A stratification traverse was performed during every test run on each Flare. A-2 only has one port available but was traversed each run. The sampling system was checked for leaks before testing, and was calibrated before and after each run with certified calibration gas standards.

Three integrated sample of the landfill gas was collected per Flare in a 6 liter Silco can using EPA Method 25C to determine CH<sub>4</sub>, THC and NMOC Destruction/Removal Efficiency (DRE). The samples were also analyzed for VOC Species by TO-15 and H<sub>2</sub>S by ASTM D-5504 as listed in the Permit, in addition to %CH<sub>4</sub>, %CO<sub>2</sub>, %N<sub>2</sub>, %O<sub>2</sub>, BTU and F-factor by ASTM D-1945 and D-3588.

BAAQMD Source #	Test Parameters/Limits
Flare (A-2) Compliance Test	Exhaust: THC, CH <sub>4</sub> , NMOC, NO <sub>x</sub> , CO, CO <sub>2</sub> , O <sub>2</sub> NO <sub>x</sub> ≤12 ppm @ 15% O <sub>2</sub> or ≤0.05 lbs/MMBtu CO ≤81 ppm @ 15% O <sub>2</sub> or ≤0.20 lbs/MMBtu NMOC 98% DE or ≤30 ppm @ 3%O <sub>2</sub> , CH <sub>4</sub> DE >99%, Landfill gas NMOC, CH <sub>4</sub> , Fixed Gases, VOC species & TRS as H <sub>2</sub> S

BAAQMD Source #	Test Parameters/Limits
Flares (A-3) Compliance Test	Exhaust: THC, CH <sub>4</sub> , NMOC, NO <sub>x</sub> , CO, CO <sub>2</sub> , O <sub>2</sub> NO <sub>x</sub> ≤6 ppm @ 15% O <sub>2</sub> or ≤0.025 lbs/MMBtu CO ≤24 ppm @ 15% O <sub>2</sub> or ≤0.06 Lbs/MMBtu NMOC 98% DE or ≤30 ppm @ 3%O <sub>2</sub> , CH <sub>4</sub> DE >99% Landfill gas NMOC, CH <sub>4</sub> , Fixed Gases, VOC species & TRS as H <sub>2</sub> S

**Sampling and Analysis Methods:** The following BAAQMD and EPA sampling and analytical methods were used:

EPA 3A	O <sub>2</sub> , CO <sub>2</sub>
EPA 7E	NO <sub>x</sub>
EPA 10	CO
EPA 18/25A	NMOC
EPA 19	Flare exhaust flow rate by calculation, DSCFM
EPA 25C	NMHC in landfill gas
EPA TO-15	Organics analysis by GCMS
ASTM 5504	Sulfur Species
ASTM 1945/3588	Gas analysis for BTU and F-Factor

**EPA Method 3A (O<sub>2</sub>, CO<sub>2</sub>), 10 (CO) and 7E (NO<sub>x</sub>)** are continuous monitoring techniques using instrumental analyzers. Sampling is performed by extracting exhaust flue gas from the stack, conditioning the sample and analyzing it by continuous monitoring gas analyzers in a CEM test van. The sampling system consists of a stainless steel sample probe, teflon sample line, glass-fiber particulate filter, glass moisture-knockout condensers in ice, followed by thermoelectric coolers



(optional), teflon sample transfer tubing, diaphragm pump and a stainless steel/teflon manifold and flow control/delivery system. A constant sample and calibration gas supply pressure of 5 PSI was provided to each analyzer to avoid pressure variable response differences. The entire sampling system was leak checked prior to and at the end of the sampling program.

The sampling and analytical system (for EPA Methods) was checked for linearity with zero, mid (40-60%) and high span (80-100%) calibrations, and is checked for system bias at the beginning and end of each run. System bias is determined by introducing calibration gas to the probe and pulling it through the entire sampling system. Individual test run calibrations usually use the calibration gas that most closely matches the stack gas effluent. Along with the Sampling System Bias, the Zero and Calibration Drift values were determined for each test. Methods 3A, 7E and 10 all defer to EPA Method 7E for the calculations of effluent concentration, Span, Calibration Gas, Analyzer Calibration Error (Linearity), Sampling System Bias, Zero Drift, Calibration Drift and Response Time. In addition, the NO<sub>x</sub> analyzer NO<sub>2</sub> to NO conversion efficiency check defers to EPA Method 20 section 5.6 for the criteria and procedure.

All calibration gases are EPA Protocol #1. The analyzer data recording system consists of a Data Acquisition System (DAS).

### System Performance Criteria

Instrument Linearity	≤ 2% Full Scale
25A Instrument Linearity	≤ 5% Cal Gas Value
Instrument Bias	≤ 5% Full Scale
NO <sub>x</sub> Converter Efficiency (EPA 7E)	≥ 90%
System Response Time	≤± 2 minutes
Instrument Zero/Span Drift	≤± 3% Full Scale

**EPA Method 18 (VOC)** is used to determine emissions of volatile organics analyzed by gas chromatograph/mass spectroscopy (GC/MS). Gaseous emissions are drawn through a teflon sample line to a pre-evacuated 6-Liter SUMMA canister. Sample is drawn into the canister by pre-evacuating the container to stack gas pressure to allow sample flow without using a pump to avoid contamination. Negative pressure is adjusted to maintain an integrated sample flow between 20 to 60 minutes. The bag samples are taken to a laboratory and analyzed within 72 hours.

To prevent moisture condensation, a condenser may be used before the canister and the condensate analyzed separately, or the canister can be partially pre-filled with a known quantity zero air or nitrogen, prior to collecting the gas sample, or the system can be heated and kept heated above the condensation point until analysis.

**EPA Method 25A Total Hydrocarbons, Methane and Non-Methane Hydrocarbons.** EPA Method 25A employs a heated VIG Model 20, Teflon sample gas transfer lines to provide a continuous sample to the heated FID Hydrocarbon Analyzer. Heated lines were used if necessary to avoid moisture or hydrocarbon condensation. Calibration gases are selected to fall within 25-35%, 45-55% and 80-90% of Range for Methane, Total Hydrocarbon and Non-Methane Hydrocarbons.

Methane in the exhaust is usually determined per EPA Methods. An integrated tedlar bag or SUMMA canister is collected and either analyzed by GC or onsite using a charcoal scrubber to remove the non-methane organics, and determining the difference between the total hydrocarbon and non-methane hydrocarbon concentrations. Where the total hydrocarbon numbers are well below detection limits and less than 5 ppm for example, the methane may not be determined separately.



**Method 19 (gas)** was used to determine stack gas volumetric flow rates using oxygen based F-factors. F-factors are ratios of combustion gas volumes generated from heat input. The heating value of the fuel in Btu per cubic foot is determined from analysis of the fuel gas samples using ASTM D1946/3588 gas chromatography analytical procedures. Fuel consumption is monitored by a flowmeter. The total cubic feet per hour of fuel multiplied times the Btu/cf provides million Btu per hour (MMBtu) heat input. The heat input in MMBtu/hr is multiplied by the F-factor (DSCF/MMBtu) and adjusted for the measured oxygen content of the source to determine volumetric flow rate. The flow rates were used to determine exhaust flow and emission rates.

**TO-15 Volatile Organics by SILCO SUMMA® Canister.** Sampling consists of collecting gases in pre-evacuated 6-Liter SUMMA canisters with pre-set flow controllers set to integrate over the desired test duration. The SUMMA® passivated canisters allow holding times up to 14 days for the TO-15 Method list of volatile organics. The SILCO canisters have a silanized (glass) lining that permits longer holding times (up to 72 hours) for reactive sulfur compounds. The sample gas is drawn by the canister vacuum through a micro-filter, pre-set orifice flow controller and on/off valve into the canister. The canister vacuum is monitored with a vacuum gauge to verify sample collection. In this case, the flow controller consisted of capillary orifice tubing designed to sample for a pre-set duration of 30 minutes.

The samples are analyzed for volatile organics by EPA Method TO-15 using GC/MS (gas chromatography/mass spectroscopy) and for tentatively identified compounds, not included in the TO-15 list.

**Fuel Analysis per ASTM D-1945/3588** are used for fuel sampling and analysis for F-Factor and BTU determination, fixed gas analysis O<sub>2</sub>, CO<sub>2</sub>, CO, N<sub>2</sub>, H<sub>2</sub>, CH<sub>4</sub> and C2-C6+. Samples may be collected in tedlar bags and analyzed within 24 hours or SILCO SUMMA canisters and analyzed within 72 hours.

**ASTM Method 5504: Sampling for H<sub>2</sub>S and Sulfur species in fuels.** Sampling consisted of collecting biogas for sulfur analysis in pre-evacuated 5-Liter SILCO SUMMA canisters with pre-set flow controllers set to integrate over the desired test duration. The SILCO canisters have a silanized (glass) lining that permits longer holding times (up to 72 hours) for reactive sulfur compounds. The flow controller, valve and canister are designed so that no sample contacts stainless steel components that can remove hydrogen sulfide. The flow controllers consisted of capillary orifice tubing designed to sample for pre-set durations such as 1-hr, 2-hrs and 4-hrs. The samples were analyzed for 20 sulfur compounds by ASTM Method D-5504 GC/SCD (gas chromatography/sulfur chemiluminescent detector).

**Instrumentation:** The following continuous emissions analyzers were used:

Instrument	Analyte	Principle
Servomex 1440	O <sub>2</sub>	Paramagnetic
Servomex 1440	CO <sub>2</sub>	IR
TECO 42C	NO <sub>x</sub>	Chemiluminescence
TECO 48C	CO	GFC/IR
VIG 20	THC	FID

**Test Results:** The emission results are presented in Tables 1 through 4 on the following pages, and are summarized as follows.

Emission Parameter	Flare (A-2) Average	Permit Limits (A-2)
NO <sub>x</sub> ppm @ 15% O <sub>2</sub>	9.9	12
NO <sub>x</sub> , lbs/MMBtu	0.039	0.05
CO ppm @ 15% O <sub>2</sub>	3.8	81
CO, lbs/MMBtu	0.009	0.20
TNMHC ppm @ 3% O <sub>2</sub> as CH <sub>4</sub>	<6.0	30 or >98%
TNMHC DE %	>99.9	
CH <sub>4</sub> , Destruction Efficiency %	>99.85	>99%
TRS ppm in LFG	774	1,300

Flare (A-3) Average	Permit Limits (A-3)
3.0	6
0.012	0.025
2.0	24
0.005	0.060
<7.2	30 or >98%
>99.8	
>99.992	>99%
773	1,300

The appendices are organized as follows:

Calculations

All the calculations performed on the continuous emissions monitoring (CEM) data and flow rate calculations are presented in this section.

Laboratory Reports

All laboratory reports and chain of custody.

Field Data Sheets

All the CEMS data, any transcribed data from the strip charts.

Process Data

The facility records of temperature and fuel flow data.

Calibration Gas Certifications

Certifications for the calibration gas standards.

Stack Diagram

Sketch or photograph of the stack.

Sample System Diagram

Schematic of the sampling system configuration

Permit to Operate / ATC

Permit to Operate / Authority to Construct

Source Test Plan

Sampling protocols submitted to the BAAQMD prior to testing

**Comments:** The test shows that the emissions comply with the permitted limits, and that no anomalies or deviations to the test were observed.

The work performed herein was conducted under my supervision, and I certify that: a) the details and results contained within this report are to the best of my knowledge an authentic and accurate representation of the test program; b) that the sampling and analytical procedures and data presented in the report is authentic and accurate; c) that all testing details and conclusions are accurate and valid, and; d) that the production rate and/or heat input rate during the source test are reported accurately.

If there are any questions concerning this report, please contact Guy Worthington at 510 508 3469.

Prepared by,



Anne Richardson

Reviewed by,



Guy Worthington

TABLE #1

Newby Island Landfill  
Flare A-2 (FL-150)  
1,652°F

RUN	1	2	3	AVERAGE	LIMITS
Test Date	02/03/20	02/03/20	02/03/20		
Test Time	1237-1307	1324-1354	1411-1441		
Standard Temp., °F	70	70	70	70	
Flare Temp., °F	1,651	1,652	1,653	1,652	
Fuel Heat Input, MMBTU/Hr	47.7	47.7	47.9	47.8	
Fuel Flow Rate, SCFM	1,797	1,797	1,805	1,799	
Exhaust Flow Rate, DSCFM (Method 19)	11,625	11,413	11,459	11,499	
Oxygen, O <sub>2</sub> , %	12.1	12.1	11.9	12.0	
Carbon Dioxide, CO <sub>2</sub> , %	7.7	7.7	8.0	7.8	
Water Vapor, H <sub>2</sub> O, % (M4.16)	4.6	4.6	4.6	4.6	
NO <sub>x</sub> , ppm	14.7	14.7	15.3	14.9	
<b>NO<sub>x</sub>, ppm @ 15% O<sub>2</sub></b>	<b>9.8</b>	<b>9.8</b>	<b>10.0</b>	<b>9.9</b>	12
NO <sub>x</sub> , lbs/hr	1.22	1.20	1.25	1.22	or
NO <sub>x</sub> , lbs/day	29.31	28.69	29.98	29.32	
<b>NO<sub>x</sub>, lbs/MMBtu</b>	<b>0.039</b>	<b>0.038</b>	<b>0.039</b>	<b>0.039</b>	<b>0.05</b>
CO, ppm	5.8	8.2	3.0	5.6	
<b>CO, ppm @ 15% O<sub>2</sub></b>	<b>3.8</b>	<b>5.5</b>	<b>2.0</b>	<b>3.8</b>	81
CO, lbs/hr	0.3	0.4	0.2	0.3	or
CO, lbs/day	7.0	9.7	3.6	6.8	
<b>CO, lbs/MMBtu</b>	<b>0.009</b>	<b>0.013</b>	<b>0.005</b>	<b>0.009</b>	<b>0.20</b>
THC, ppm (wet) (M25A)	2.3	3.3	2.9	2.8	
THC, ppm (dry)	2.4	3.5	3.0	3.0	
THC, lbs/hr as CH <sub>4</sub>	0.07	0.10	0.09	0.08	
CH <sub>4</sub> , ppm (dry)	<2.4	<3.5	<3.0	<3.0	
NMHC, ppm as CH <sub>4</sub> (dry)	<2.4	<3.5	<3.0	<3.0	
NMHC, lbs/hr as CH <sub>4</sub>	<0.07	<0.10	<0.09	<0.08	
<b>NMHC, ppm @ 3% O<sub>2</sub> as CH<sub>4</sub></b>	<b>&lt;4.9</b>	<b>&lt;7.1</b>	<b>&lt;5.9</b>	<b>&lt;6.0</b>	30
INLET NMHC ppm as CH <sub>4</sub> (M25C)	16,886	20,092	26,219	21,066	or
INLET NMHC lbs/hr as CH <sub>4</sub>	75.3	89.6	117.5	94.1	
<b>NMHC Removal Efficiency</b>	<b>&gt;99.9%</b>	<b>&gt;99.9%</b>	<b>&gt;99.9%</b>	<b>&gt;99.9%</b>	<b>98</b>
INLET CH <sub>4</sub> , ppm (ASTM 1945/M18/3C)	443,000	443,000	443,000	443,000	
INLET CH <sub>4</sub> lbs/hr	1,975.7	1,975.7	1,984.5	1,979	
<b>CH<sub>4</sub> Removal Efficiency</b>	<b>&gt;99.88%</b>	<b>&gt;99.82%</b>	<b>&gt;99.85%</b>	<b>&gt;99.85%</b>	<b>99</b>
INLET THC (TOC) ppm as CH <sub>4</sub>	459,886	463,092	469,219	464,066	
INLET THC (TOC) lbs/hr as CH <sub>4</sub>	2,051	2,065	2,102	2,073	
<b>THC (TOC) Removal Efficiency</b>	<b>99.997%</b>	<b>99.995%</b>	<b>99.996%</b>	<b>99.996%</b>	<b>98</b>
Hydrogen Sulfide (H <sub>2</sub> S)	748	750	787	762	
<b>TRS as H<sub>2</sub>S, ppm in Fuel</b>	<b>760</b>	<b>763</b>	<b>800</b>	<b>774</b>	1300
SO <sub>2</sub> , ppm stack emissions, calculated	117.4	120.1	126.0	121.2	
SO <sub>2</sub> , ppm @ 15% O <sub>2</sub>	78.3	80.3	82.2	80.3	
<b>SO<sub>2</sub>, lbs/hr</b>	<b>13.58</b>	<b>13.63</b>	<b>14.36</b>	<b>13.86</b>	

WHERE,

ppm = Parts Per Million Concentration  
 Lbs/hr = Pound Per Hour Emission Rate  
 Tstd. = Standard Temp. (°R = °F+460)  
 MW = Molecular Weight  
 DSCFM = Dry Standard Cubic Feet Per Minute  
 NO<sub>x</sub> = Oxides of Nitrogen as NO<sub>2</sub> (MW = 46)  
 CO = Carbon Monoxide (MW = 28)  
 TOC = THC = Total Organic Carbon as Methane, NMHC+CH<sub>4</sub> (MW = 16)  
 THC = Total Hydrocarbons as Methane (MW = 16)  
 NMHC = Total Non-Methane Hydrocarbons as Methane (MW = 16)

CALCULATIONS,

PPM @ 15% O<sub>2</sub> = ppm \* 5.9 / (20.9 - %O<sub>2</sub>)  
 PPM @ 3% O<sub>2</sub> = ppm \* 17.9 / (20.9 - %O<sub>2</sub>)  
 Lbs/hr = ppm x 8.223 E-05 x DSCFM x MW / Tstd. °R  
 Lbs/day = Lbs/hr \* 24  
 Removal Efficiency = (inlet lbs/hr- outlet lbs/hr) / inlet lbs/hr  
 <VALUE = 2% Value of Analyzer Range  
 lbs/MMBtu = Fd \* MW \* ppm \* 2.59E-9 \* 20.9/(20.9 - %O<sub>2</sub>)

**TABLE #2**

**Newby Island Landfill  
Flare A-2 (FL-150)  
Landfill Gas Characterization**

<b>RUN</b>	<b>2</b>	<b>LIMITS</b>
Test Date	2/3/20	
Test Time	1324-1354	
Acrylonitrile	ppb <167	
Benzene	ppb 3,102	
Carbon Disulfide	ppmv 215	
Carbon Tetrachloride	ppb <83	
Chlorobenzene	ppb 94.7	
Chlorodifluoromethane	ppb 168	
Chloroethane	ppb 152	
Chloroform	ppb <83	
1,1 Dichloroethane	ppb <83	
1,1 Dichloroethene	ppb <83	
1,2 Dichloroethane	ppb 126.0	
1,4 Dichlorobenzene	ppb 376	
Dichlorodifluoromethane	ppb 89.0	
Dichlorofluoromethane	ppb <83	
Ethylbenzene	ppb 4,040	
Ethylene Dibromide	1,2 Dibromoethane ppb <83	
Fluorotrichloromethane	Trichlorofluoromethane ppb <83	
Hexane	ppb 627	
Hydrogen Sulfide	ppmv 750	
2-Propanol (IPA)	ppb 16,000	
2-Butanone (MEK)	ppb 25,300	
Methylene Chloride	ppb <167	
Perchloroethylene (PCE)	Tetrachloroethylene ppb 94.1	
Toluene	ppb 8,550	
1,1,1 Trichloroethane	ppb <83	
1,1,2,2 Tetrachloroethane	ppb <83	
Trichloroethylene	Trichloroethene (TCE) ppb <83	
Vinyl Chloride	ppb <83	
m+p xylenes, o xylenes	ppb 7,560	

**TABLE #3**

**Newby Island Landfill  
Flare A-3 (FL-100)  
1,676°F**

<b>RUN</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>AVERAGE</b>	<b>LIMITS</b>
Test Date	02/03/20	02/03/20	02/03/20		
Test Time	0901-0939	1002-1040	1100-1138		
Standard Temp., °F	70	70	70	70	
Flare Temp., °F (Mid TC)	1,578	1,579	1,580	1,579	
Fuel Heat Input, MMBTU/Hr	89.9	88.2	88.6	88.9	
Fuel Flow Rate, SCFM	3,336	3,346	3,363	3,348	
Exhaust Flow Rate, DSCFM (Method 19)	35,345	34,220	35,681	35,082	
Oxygen, O <sub>2</sub> , %	12.5	12.4	12.5	12.5	
Carbon Dioxide, CO <sub>2</sub> , %	7.3	7.4	7.4	7.4	
Water Vapor, H <sub>2</sub> O, % (M4.16)	4.6	4.6	4.5	4.6	
NO <sub>x</sub> , ppm	4.4	4.2	4.1	4.2	
<b>NO<sub>x</sub>, ppm @ 15% O<sub>2</sub></b>	<b>3.1</b>	<b>2.9</b>	<b>2.9</b>	<b>3.0</b>	<b>6 or 0.025</b>
NO <sub>x</sub> , lbs/hr	1.11	1.04	1.04	1.06	
NO <sub>x</sub> , lbs/day	26.66	24.86	24.89	25.47	
<b>NO<sub>x</sub>, lbs/MMBTU</b>	<b>0.012</b>	<b>0.012</b>	<b>0.012</b>	<b>0.012</b>	
CO, ppm	1.2	4.7	2.8	2.9	
<b>CO, ppm @ 15% O<sub>2</sub></b>	<b>0.9</b>	<b>3.2</b>	<b>2.0</b>	<b>2.0</b>	<b>24 or 0.20</b>
CO, lbs/hr	0.19	0.69	0.44	0.44	
CO, lbs/day	4.5	16.7	10.5	10.6	
<b>CO, lbs/MMBTU</b>	<b>0.002</b>	<b>0.008</b>	<b>0.005</b>	<b>0.005</b>	
THC, ppm (wet) (M25A)	3.2	3.3	3.2	3.2	
THC, ppm (dry)	3.3	3.4	3.3	3.4	
THC, lbs/hr as CH <sub>4</sub>	0.29	0.29	0.30	0.29	
CH <sub>4</sub> , ppm (dry)	<3.3	<3.4	<3.3	<3.4	
CH <sub>4</sub> , lbs/hr	<0.29	<0.29	<0.30	<0.29	
NMHC, ppm as CH <sub>4</sub> (dry)	<3.3	<3.4	<3.3	<3.4	
NMHC, lbs/hr as CH <sub>4</sub>	<0.29	<0.29	<0.30	<0.29	
<b>NMHC, ppm @ 3% O<sub>2</sub> as CH<sub>4</sub></b>	<b>&lt;7.2</b>	<b>&lt;7.2</b>	<b>&lt;7.1</b>	<b>&lt;7.2</b>	<b>30 or 98</b>
INLET NMHC ppm as CH <sub>4</sub> (M25C)	18,977	26,206	19,249	21,477	
INLET NMHC lbs/hr as CH <sub>4</sub>	157.2	217.7	160.7	178.5	
<b>NMHC Removal Efficiency</b>	<b>&gt;99.8%</b>	<b>&gt;99.9%</b>	<b>&gt;99.8%</b>	<b>&gt;99.8%</b>	
INLET CH <sub>4</sub> , ppm (ASTM 1945/M18/3C)	450,000	440,000	451,000	447,000	
INLET CH <sub>4</sub> lbs/hr	3,726.9	3,655.1	3,764.7	3,716	
<b>CH<sub>4</sub> Removal Efficiency</b>	<b>&gt;99.992%</b>	<b>&gt;99.992%</b>	<b>&gt;99.992%</b>	<b>&gt;99.992%</b>	<b>99</b>
INLET THC (TOC) ppm as CH <sub>4</sub>	468,977	466,206	470,249	468,477	
INLET THC (TOC) lbs/hr as CH <sub>4</sub>	3,884	3,873	3,925	3,894	
<b>THC (TOC) Removal Efficiency</b>	<b>99.992%</b>	<b>99.992%</b>	<b>99.992%</b>	<b>99.992%</b>	<b>98</b>
Hydrogen Sulfide (H <sub>2</sub> S)	748	783	749	760	
<b>TRS as H<sub>2</sub>S, ppm in Fuel</b>	<b>761</b>	<b>796</b>	<b>763</b>	<b>773</b>	<b>1300</b>
SO <sub>2</sub> , ppm stack emissions, calculated	71.8	77.8	71.9	73.8	
SO <sub>2</sub> , ppm @ 15% O <sub>2</sub>	50.6	53.9	50.4	51.6	
<b>SO<sub>2</sub>, lbs/hr</b>	<b>25.25</b>	<b>26.49</b>	<b>25.52</b>	<b>25.75</b>	

**WHERE,**

ppm = Parts Per Million Concentration  
 Lbs/hr = Pound Per Hour Emission Rate  
 Tstd. = Standard Temp. (°R = °F+460)  
 MW = Molecular Weight  
 DSCFM = Dry Standard Cubic Feet Per Minute  
 NO<sub>x</sub> = Oxides of Nitrogen as NO<sub>2</sub> (MW = 46)  
 CO = Carbon Monoxide (MW = 28)  
 TOC = THC = Total Organic Carbon as Methane, NMHC+CH<sub>4</sub> (MW = 16)  
 THC = Total Hydrocarbons as Methane (MW = 16)  
 NMHC = Total Non-Methane Hydrocarbons as Methane (MW = 16)

**CALCULATIONS,**

PPM @ 15% O<sub>2</sub> = ppm \* 5.9 / (20.9 - %O<sub>2</sub>)  
 PPM @ 3% O<sub>2</sub> = ppm \* 17.9 / (20.9 - %O<sub>2</sub>)  
 Lbs/hr = ppm x 8.223 E-05 x DSCFM x MW / Tstd. °R  
 Lbs/day = Lbs/hr \* 24  
 Removal Efficiency = (inlet lbs/hr- outlet lbs/hr) / inlet lbs/hr  
 <VALUE = 2% of Analyzer Range  
 lbs/MMBTu = Fd \* MW \* ppm \* 2.59E-9 \* 20.9/(20.9 - %O<sub>2</sub>)

**TABLE #4**

**Newby Island Landfill  
Flare A-3 (FL-100)  
Landfill Gas Characterization**

<b>RUN</b>	<b>1</b>	<b>LIMITS</b>	
Test Date	2/3/20		
Test Time	0901-0939		
Acrylonitrile	ppb	<158	
Benzene	ppb	2,920	
Carbon Disulfide	ppb	216	
Carbon Tetrachloride	ppb	<79	
Chlorobenzene	ppb	85.8	
Chlorodifluoromethane	ppb	159	
Chloroethane	ppb	141	
Chloroform	ppb	<79	
1,1 Dichloroethane	ppb	<79	
1,1 Dichloroethene	ppb	<79	
1,2 Dichloroethane	ppb	128	
1,4 Dichlorobenzene	ppb	764	
Dichlorodifluoromethane	ppb	85.0	
Dichlorofluoromethane	ppb	<79	
Ethylbenzene	ppb	3,980	
Ethylene Dibromide	1,2 Dibromoethane	ppb	<79
Fluorotrichloromethane	Trichlorofluoromethane	ppb	<79
Hexane	ppb	573	
Hydrogen Sulfide	ppm	748	
2-Propanol (IPA)	ppb	10,900	
2-Butanone (MEK)	ppb	16,500	
Methylene Chloride	ppb	<158	
Perchloroethylene (PCE)	Tetrachloroethylene	ppb	88.9
Toluene	ppb	8,030	
1,1,1 Trichloroethane	ppb	<79	
1,1,2,2 Tetrachloroethane	ppb	<79	
Trichloroethylene	Trichloroethene (TCE)	ppb	<79
Vinyl Chloride	ppb	<79	
m+p xylenes, o xylenes	ppb	7,830	

## **APPENDICES**

**Calculations**

**Laboratory Reports**

**Field Data Sheets**

**Process Information**

**QC Calibration Gas Certifications**

**Stack Diagram**

**Sample System Diagram**

**Permit to Operate**

**Source Test Plan**



## Appendix D – Surface Emission and GCCS Component Leak Monitoring Results



**Newby Island Landfill, Milpitas, California**  
**3rd QUARTER LFG COMPONENT LEAK MONITORING - WELLFIELD**

SITE: NEWBY ISLAND  
 INSTRUMENT: IRWIN METHANE LEAK DETECTOR  
 MAKE: INFICON  
 MODEL: IRWIN SX  
 S/N: 92000673

DATE OF SAMPLING: 8/10/2020 & 8/11/2020  
 TECHNICIAN: Field Services, Inc.

LOCATION OF LEAK	LEAK CONCENTRATION (ppmv)	DATE OF DISCOVERY	DESCRIPTION OF EQUIPMENT	ACTION TAKEN TO REPAIR LEAK	DATE OF REPAIR	DATE OF ANY REQUIRED RE-MONITORING	RE-MONITORED CONCENTRATION (ppmv)
None							

Note: In the event that an exceedance is detected, please initiate corrective action and re-monitor the exceedance location within 7 days of the initial exceedance. Leaks over 500 ppmv methane are exceedances at any component containing landfill gas pursuant to CARB Title 17 of California Code of Regulations Subchapter 10, Article 4, Subarticle 6, Section 95464(b)(1)(B). Leaks over 1,000 ppmv methane are exceedances at any component containing landfill gas pursuant to BAAQMD Regulation 8-34-301.2. N/A - Not Applicable



# Newby Island Sanitary Landfill and Recyclery

Quarterly Surface Emissions Monitoring Report – Third Quarter 2020





November 3, 2020

**Mr. Tony Boccaleoni**  
**Ms. Rachelle Huber**  
**Republic Services**  
Newby Island Sanitary Landfill and Recyclery  
1601 Dixon Landing Road  
Milpitas, CA 95035

Subject: Third Quarter 2020 Surface Emissions Monitoring Results for the  
Newby Island Sanitary Landfill and Recyclery, Milpitas, CA

Dear Mr. Boccaleoni and Ms. Huber:

This report provides results of the third quarter 2020 New Source Performance Standards (NSPS) and California Air Resources Board (CARB) Landfill Methane Rule (LMR) surface emissions monitoring (SEM) performed by Tetra Tech at the Newby Island Landfill. All work was performed in accordance with Republic Standard Operating Procedures (SOP), NSPS and LMR requirements.

## **SUMMARY AND CONCLUSIONS**

As stipulated in the LMR, if uncorrectable exceedances within the 10-day limitation are detected or emissions are discovered during an inspection by Regulatory Agencies, the landfill must perform monitoring on a 25-foot pathway on a quarterly basis for active disposal sites. If four (4) consecutive quarters of monitoring are performed without any exceedances, as stipulated in the LMR, the landfill may increase the spacing to 100-foot pathways. Therefore, based on the previous monitoring events, in which exceedances were observed, the monitoring at the Newby Island Sanitary Landfill and Recyclery was performed on 25-foot pathways in accordance with the LMR.

As required by the LMR, the landfill was divided into 50,000 square foot or less (partial) areas. The Newby Island Sanitary Landfill and Recyclery surface area was, therefore, divided into 276 individual grids as shown in Appendix A.

The third quarter 2020 SEM testing results indicated thirteen (13) exceedances of the LMR integrated threshold limit of 25 parts per million by volume (ppmv) as measured as methane above background and nineteen (19) locations that exceeded the NSPS (Grids) and LMR (Grids and Penetrations) instantaneous threshold limit of 500 ppmv during the initial monitoring event. System adjustments and repair work was performed by Tetra Tech and site personnel. Re-monitoring indicated there were zero (0) grids with remaining integrated exceedances and zero (0) grids with remaining instantaneous exceedances. These results are discussed in a subsequent section of this report.

Additionally, during this event, some grids were not monitored as these areas were deemed unsafe by Tetra Tech and site personnel for entry due to active filling operations or soil management operations, which could cause a potential for injury of monitoring personnel as follows:

- Full grids 31, 36, 37, 40, 41, 42, 44, 45, 46, 50, 51, 52, 58, 59, 60, 68, 69, 70, 76, 79, 80, 81, 85, 86, 88, 89, 90, 97, 99, 100, 101, 106, 108, 109, 110, 111, 116, 117, 118, 119, 120, 121, 122, 127, 128, 129, 130, 131, 132, 133, 137, 138, 139, 140, 141, 143, 148, 149, 150, 151, 152, 153, 158, 159, 160, 161, 170, 171, 180, 181, 182, 190, 191, 192, 195, 202, 203, 206, 211, 212, 215, 220, 221, 224, 230, 232, 233, 234, 235, 242, 248, 255, 258, 260, 263, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, and 277 were not monitored due to active construction, heavy equipment traffic, or steep slopes (steeper than 33.5% percent or 18 degrees) which resulted in unsafe conditions (see Appendix A).
- Partial grids 22, 26, 27, 30, 32, 35, 43, 49, 55, 57, 65, 66, 67, 77, 78, 84, 87, 95, 96, 98, 102, 105, 107, 123, 134, 142, 144, 154, 155, 162, 163, 164, 165, 169, 173, 174, 175, 176, 179, 183, 184, 185, 186, 189, 193, 194, 196, 201, 204, 205, 207, 208, 210, 213, 214, 216, 217, 219, 222, 223, 225, 226, 228, 229, 231, 236, 239, 240, 241, 243, 245, 249, 256, 259, 261, and 264 were not monitored due to active construction, heavy equipment traffic, or steep slopes (steeper than 33.5% percent or 18 degrees) which resulted in unsafe conditions (see Appendix A).

Areas consisting of native soil (no waste in place) were also exempted from monitoring, in accordance with the LMR.

Any wells located in grids noted as exempt from monitoring due to health and safety concerns that remained accessible were monitored on an as-needed basis.

The area noted as "SSO Area" was not monitored during the Third Quarter 2020 due to ongoing remediation activities and heavy equipment use following a subsurface oxidation (SSO) event that began on May 2, 2020 and was inaccessible due to ongoing remediation efforts. The area was cordoned off and inaccessible to Tetra Tech technicians due to health and safety concerns.

Excluded areas are provided on the field map in Appendix A.

Further, as required under the LMR, any location on the landfill that has an observed instantaneous methane concentration greater than or equal to 500 ppmv, must be stake-marked and Global Positioning System (GPS) located on a site figure. When concentrations greater than or equal to 500 ppmv are observed during monitoring events, they are reported to site personnel and included in the quarterly report for that event for inclusion into the annual report as required.

Locations with concentrations between 200 ppmv and 499 ppmv are for reporting purposes only and require no remediation, as they are not an exceedance. One-hundred thirty-two (132) locations were found during the monitoring between the LMR (Grids and Penetrations) instantaneous recording levels of 200 ppmv to 499 ppmv.

Finally, to help prevent potential future exceedances, Tetra Tech recommends that the landfill surface be routinely inspected, any observed surface erosion be routinely repaired, and flowrates to the destruction devices be maximized.

## **BACKGROUND**



The Newby Island Sanitary Landfill and Recyclery is an active organic refuse disposal site. By way of background, organic materials buried in a landfill decompose anaerobically (in the absence of oxygen) producing a combustible gas, which contains approximately 50 to 60 percent methane, 40 to 50 percent carbon dioxide, and trace amounts of various other gases, some of which are odorous. The Newby Island Landfill property contains a Gas Collection and Control System (GCCS) to control the combustible gases generated in the landfill that may otherwise either vent vertically to the atmosphere or migrate horizontally through subsurface soil to locations on adjacent properties.

## **SURFACE EMISSIONS MONITORING**

Instantaneous and integrated SEM was performed over the surface of the subject site on August 10, 11, 12, 13, 19, and 20, 2020 and September 1, 2020. The intent of the monitoring was to identify any specific locations or areas of the landfill surface with organic compound concentrations exceeding the NSPS and/or LMR threshold limit values of 500 ppmv measured as methane for instantaneous monitoring, or an average methane concentration of 25 ppmv for the integrated monitoring in the 50,000 square foot grids as required under the LMR. During this event Tetra Tech performed the monitoring on 25-foot pathways in all accessible areas, in accordance with the rules as required.

## **EMISSIONS TESTING INSTRUMENTATION/CALIBRATION**

Instruments used to perform the landfill surface emission testing consisted of the following:

- Trimble SiteFID Landfill Gas Monitor Portable Flame Ionization Detector (FID). This instrument measures methane in air over a range of 1 to 50,000 ppmv. The SiteFID meets the State CARB requirements for combined instantaneous and integrated monitoring and was calibrated in accordance with United States Environmental Protection Agency (US EPA) Method 21 and manufacturers specifications.
- A portable wind data logger by Secure Digital is used to monitor and log wind speeds while performing emissions monitoring. Field observations and local weather station information is used to track weather conditions and rain events.

Instrument calibration logs and instantaneous weather information are shown in Appendix D and F.

## **SURFACE EMISSIONS MONITORING PROCEDURES**

Instantaneous and integrated SEM was conducted in accordance with NSPS and LMR requirements. Monitoring was performed with the FID inlet held within 2 inches of the landfill surface while a technician walked a grid in parallel paths not more than 25-feet apart over the surface of the landfill unless site safety conditions or prior monitoring results allowed 100-foot pathways. Cracks, holes and all cover penetrations in the surface were also tested. Instantaneous surface emissions readings were monitored continuously and recorded every 5 seconds. Any areas in exceedance of the 200 or 500 ppmv standards (reporting and compliance levels, respectively) were GPS tagged, any locations exceeding the 500 ppmv standard were also stake-marked for on-site personnel to perform remediation or repairs.

The integrated average is based on the readings stored on the instrument which are recorded every 5 seconds. The readings are then downloaded, and the averages are calculated for each grid using

software provided by the instrument manufacturer. The readings are not provided in the report due to the volume of data but can be furnished upon request.

Recorded wind speed results are shown in Appendix F. Wind speed 15-minute averages were observed to remain below the compliance thresholds of 5 miles per hour (based on 60 second intervals), and no instantaneous speeds exceeded 10 miles per hour during the testing. Monitoring was terminated when average wind speed exceeded 5 miles per hour until observed below the limit. No rainfall occurred during or within 72 hours of monitoring. Therefore, site meteorological conditions were within the requested alternatives of the LMR requirements on the above-mentioned dates.

## TESTING RESULTS

During this SEM event, Tetra Tech performed the monitoring on 25-foot pathways in accordance with the rules as required under the LMR and NSPS. The intent of the monitoring was to identify any specific locations or areas of the landfill surface with organic compound concentrations exceeding the NSPS and/or LMR threshold limit values of 500 ppmv measured as methane for instantaneous monitoring, or an average methane concentration of 25 ppmv for the integrated monitoring.

During the initial monitoring events on August 10 and 11, 2020 (Penetrations) and August 11, 12, and 13, 2020 (Grids), there were thirteen (13) exceedances of the LMR integrated threshold limit of 25 ppmv as measured as methane above background and nineteen (19) locations that exceeded the NSPS (Grids) and LMR (Grids and Penetrations) instantaneous threshold limit of 500 ppmv. System adjustments and repair work (repair of penetration, vacuum increases to nearby extraction wells and re-compaction of soil) was performed by site personnel. The subsequent 10-day re-monitoring events which were conducted on August 19 and 20, 2020 (Grids and Penetrations) indicated two (2) of the areas with integrated exceedances and eighteen (18) locations with instantaneous exceedances had returned to compliance. Eleven (11) integrated grids and one (1) instantaneous location were not re-monitored during both the first and the second 10-day re-monitoring events as they were located in the construction area.

Follow-up monitoring was conducted for the one-month re-monitoring event on September 1, 2020 (Grids and Penetrations). All areas of initial instantaneous exceedances were re-monitored during these times following additional abatement activities by site personnel. After the one-month confirmation re-monitoring event, zero (0) instantaneous locations remained above the LMR thresholds of compliance. Based on these results, no further monitoring is required until the fourth quarter of 2020. Results of the monitoring are shown in Appendix B and C (Tables 1, 2, and 3). Calibration logs for the monitoring equipment are provided in Appendix D.

Furthermore, as required by the NSPS for surface emissions, the landfill perimeter was walked and tested. Results of this testing indicated that no exceedances of the 500 ppmv limit were observed, therefore the site perimeter was in compliance with the requirements of the rule.

As mentioned previously in this report:

- Full grids 31, 36, 37, 40, 41, 42, 44, 45, 46, 50, 51, 52, 58, 59, 60, 68, 69, 70, 76, 79, 80, 81, 85, 86, 88, 89, 90, 97, 99, 100, 101, 106, 108, 109, 110, 111, 116, 117, 118, 119, 120, 121, 122, 127, 128, 129, 130, 131, 132, 133, 137, 138, 139, 140, 141, 143, 148, 149, 150, 151, 152, 153, 158, 159, 160, 161, 170, 171, 180, 181, 182, 190, 191, 192, 195, 202, 203, 206, 211, 212, 215, 220, 221, 224, 230, 232, 233, 234, 235, 242, 248, 255, 258, 260, 263, 265, 266, 267, 268, 269,



270, 271, 272, 273, 274, 275, 276, and 277 were not monitored due to active construction, heavy equipment traffic, or steep slopes (steeper than 33.5% percent or 18 degrees) which resulted in unsafe conditions (see Appendix A).

- Partial grids 22, 26, 27, 30, 32, 35, 43, 49, 55, 57, 65, 66, 67, 77, 78, 84, 87, 95, 96, 98, 102, 105, 107, 123, 134, 142, 144, 154, 155, 162, 163, 164, 165, 169, 173, 174, 175, 176, 179, 183, 184, 185, 186, 189, 193, 194, 196, 201, 204, 205, 207, 208, 210, 213, 214, 216, 217, 219, 222, 223, 225, 226, 228, 229, 231, 236, 239, 240, 241, 243, 245, 249, 256, 259, 261, and 264 were not monitored due to active construction, heavy equipment traffic, or steep slopes (steeper than 33.5% percent or 18 degrees) which resulted in unsafe conditions (see Appendix A).

As these areas were deemed unsafe by Tetra Tech personnel for entry due to active filling operations, construction, and other dangerous or unsafe conditions, which could cause a potential for injury of monitoring personnel (Appendix A).

Areas consisting of native soil (no waste in place) are also exempt from monitoring, in accordance with the LMR.

Any wells located in grids noted as exempt from monitoring due to health and safety concerns that remained accessible were monitored on an as-needed basis.

## **PROJECT SCHEDULE**

Following the initial events performed on August 10 and 11, 2020 (Penetrations) and August 11, 12, and 13, 2020 (Grids) subsequent re-monitoring was scheduled for 10 days later. The first 10-day re-monitoring events occurred on August 19 and 20, 2020 (Grids and Penetrations). No further exceedances were detected (Grids and Penetrations), therefore no second 10-day re-monitoring event was performed. One-month confirmation testing event on abated instantaneous readings was performed on September 1, 2020 (Grids and Penetrations).

In accordance with the approved Scope of Work, Tetra Tech is scheduled to perform the fourth quarter NSPS and LMR monitoring event by the end of December 2020 in all areas deemed safe for entry.

## **STANDARD PROVISIONS**

This report addresses conditions of the subject site during the testing dates only. Accordingly, we assume no responsibility for any changes that may occur subsequent to testing which could affect the surface emissions at the subject site or adjacent properties.

If you have any questions regarding this report, please contact Justin Ruhle at (925) 323-6866.

Thank you,



Justin Ruhle – O&M West Area Manager

This report contains the following Appendices:

**Appendix A:** Surface Grid Map

**Appendix B:** Instantaneous Monitoring Results

**Appendix C:** Integrated Monitoring Results

**Appendix D:** Calibration Logs

**Appendix E:** Weather Data

**Appendix F:** Wind Speed Data

# APPENDIX A

## Surface Grid Map



# Newby Island Landfill - 3Q2020 SEM

Annotated Map

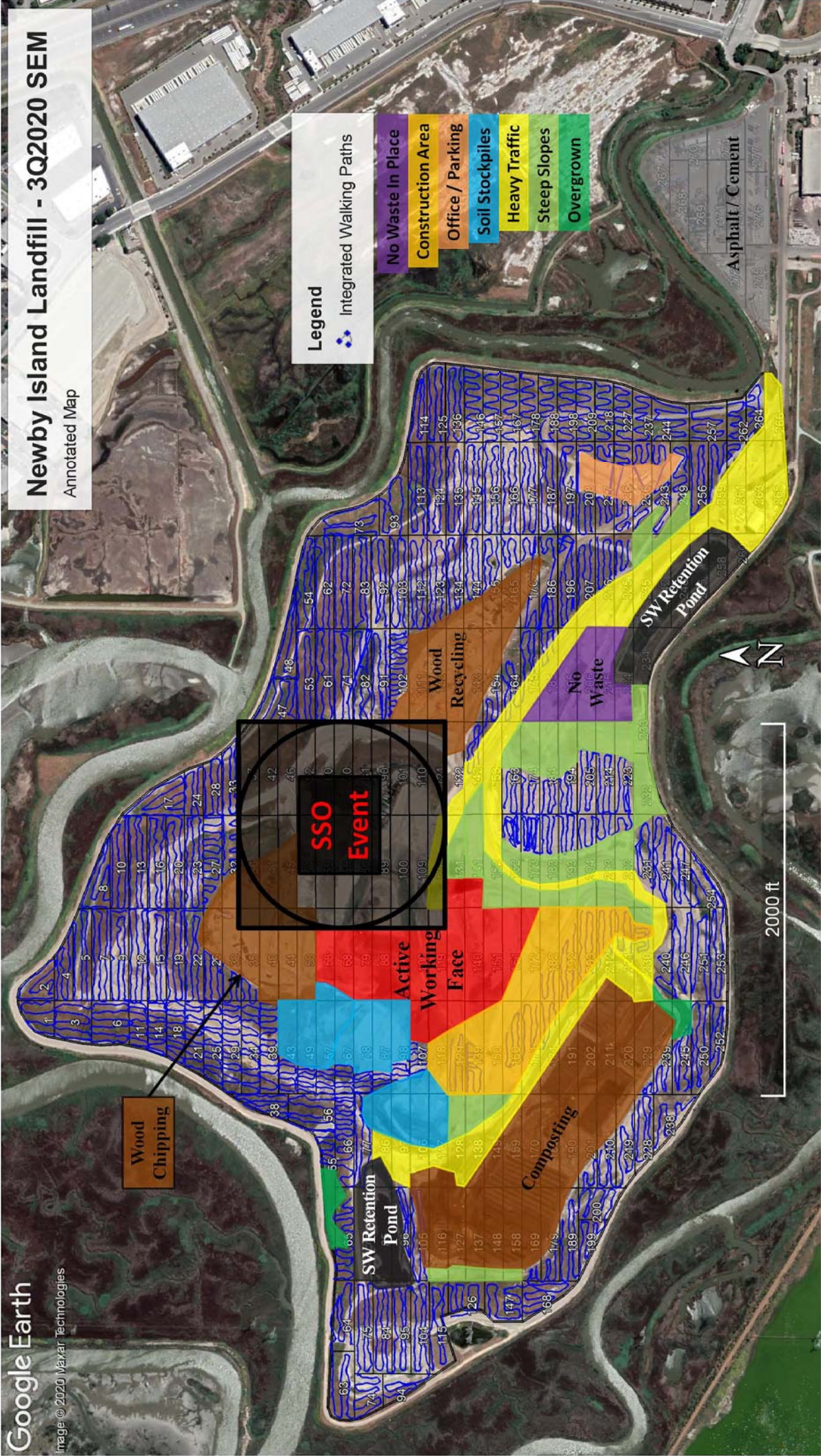
Wood Chipping

**SSO Event**

## Legend

Integrated Walking Paths

- No Waste In Place
- Construction Area
- Office / Parking
- Soil Stockpiles
- Heavy Traffic
- Steep Slopes
- Overgrown



# **APPENDIX B**

## **Instantaneous Monitoring Results**



# Newby Island Landfill - 3Q2020 SEM

Instantaneous Exceedance Map

## Legend

- ▲ Instantaneous Point  $\geq$  500 ppmv (Corrected)
- ▲ Instantaneous Point  $\geq$  500 ppmv (Remaining)





**Table 1**  
**SUMMARY OF INSTANTANEOUS METHANE CONCENTRATIONS BETWEEN 200-499 PPMV**  
**3Q2020 Newby Island Landfill**

FILE NAME	DATE	GRID NO. / WELL ID.	ID NO.	LATITUDE WGS84	LONGITUDE WGS84	METHANE CONCENTRATION (ppmv)
MONITOR_Newby_GRID_11_2020_Q3_Initial.csv	8/12/2020	11	22	37.463987	-121.945587	243.4
MONITOR_Newby_GRID_55_2020_Q3_Initial.csv	8/13/2020	55	29	37.461222	-121.947450	254.3
MONITOR_Newby_GRID_77_2020_Q3_Initial.csv	8/13/2020	77	75	37.460515	-121.948245	218.0
MONITOR_Newby_GRID_114_2020_Q3_Initial.csv	8/11/2020	114	59	37.459857	-121.934240	277.6
MONITOR_Newby_GRID_115_2020_Q3_Initial.csv	8/11/2020	115	70	37.459380	-121.951145	268.2
MONITOR_Newby_GRID_115_2020_Q3_Initial.csv	8/11/2020	115	71	37.459378	-121.951215	224.6
MONITOR_Newby_GRID_129_2020_Q3_Initial.csv	8/13/2020	129	9	37.459263	-121.945803	352.3
MONITOR_Newby_GRID_129_2020_Q3_Initial.csv	8/13/2020	129	32	37.459195	-121.946383	395.8
MONITOR_Newby_GRID_129_2020_Q3_Initial.csv	8/13/2020	129	37	37.459203	-121.946170	346.8
MONITOR_Newby_GRID_129_2020_Q3_Initial.csv	8/13/2020	129	45	37.459165	-121.945733	297.6
MONITOR_Newby_GRID_129_2020_Q3_Initial.csv	8/13/2020	129	46	37.459155	-121.945697	207.7
MONITOR_Newby_GRID_129_2020_Q3_Initial.csv	8/13/2020	129	63	37.459083	-121.945798	213.9
MONITOR_Newby_GRID_129_2020_Q3_Initial.csv	8/13/2020	129	65	37.459097	-121.945837	272.4
MONITOR_Newby_GRID_129_2020_Q3_Initial.csv	8/13/2020	129	81	37.459083	-121.946508	201.4
MONITOR_Newby_GRID_139_2020_Q3_Initial.csv	8/13/2020	139	13	37.458998	-121.946387	262.9
MONITOR_Newby_GRID_139_2020_Q3_Initial.csv	8/13/2020	139	14	37.459010	-121.946357	254.3
MONITOR_Newby_GRID_139_2020_Q3_Initial.csv	8/13/2020	139	22	37.458988	-121.946105	311.5
MONITOR_Newby_GRID_139_2020_Q3_Initial.csv	8/13/2020	139	23	37.458982	-121.946100	289.7
MONITOR_Newby_GRID_139_2020_Q3_Initial.csv	8/13/2020	139	53	37.458833	-121.946060	224.3
MONITOR_Newby_GRID_139_2020_Q3_Initial.csv	8/13/2020	139	54	37.458867	-121.946037	479.8
MONITOR_Newby_GRID_139_2020_Q3_Initial.csv	8/13/2020	139	56	37.458898	-121.946050	220.7
MONITOR_Newby_GRID_139_2020_Q3_Initial.csv	8/13/2020	139	58	37.458977	-121.946045	258.1
MONITOR_Newby_GRID_139_2020_Q3_Initial.csv	8/13/2020	139	59	37.458998	-121.946020	299.0
MONITOR_Newby_GRID_139_2020_Q3_Initial.csv	8/13/2020	139	61	37.459018	-121.945975	279.3
MONITOR_Newby_GRID_139_2020_Q3_Initial.csv	8/13/2020	139	66	37.458802	-121.945968	279.5
MONITOR_Newby_GRID_139_2020_Q3_Initial.csv	8/13/2020	139	78	37.459030	-121.945793	279.1
MONITOR_Newby_GRID_139_2020_Q3_Initial.csv	8/13/2020	139	79	37.458997	-121.945777	286.4
MONITOR_Newby_GRID_139_2020_Q3_Initial.csv	8/13/2020	139	82	37.458910	-121.945783	217.8
MONITOR_Newby_GRID_160_2020_Q3_Initial.csv	8/13/2020	160	15	37.458435	-121.945927	304.8
MONITOR_Newby_GRID_160_2020_Q3_Initial.csv	8/13/2020	160	25	37.458355	-121.945915	255.9
MONITOR_Newby_GRID_160_2020_Q3_Initial.csv	8/13/2020	160	34	37.458348	-121.945620	300.3
MONITOR_Newby_GRID_160_2020_Q3_Initial.csv	8/13/2020	160	36	37.458342	-121.945552	316.0
MONITOR_Newby_GRID_160_2020_Q3_Initial.csv	8/13/2020	160	38	37.458355	-121.945485	220.0
MONITOR_Newby_GRID_160_2020_Q3_Initial.csv	8/13/2020	160	70	37.458267	-121.945760	216.6
MONITOR_Newby_GRID_160_2020_Q3_Initial.csv	8/13/2020	160	71	37.458273	-121.945797	234.3
MONITOR_Newby_GRID_160_2020_Q3_Initial.csv	8/13/2020	160	72	37.458273	-121.945840	346.6
MONITOR_Newby_GRID_160_2020_Q3_Initial.csv	8/13/2020	160	73	37.458273	-121.945867	420.3
MONITOR_Newby_GRID_160_2020_Q3_Initial.csv	8/13/2020	160	74	37.458282	-121.945913	458.1
MONITOR_Newby_GRID_160_2020_Q3_Initial.csv	8/13/2020	160	77	37.458250	-121.945970	391.3
MONITOR_Newby_GRID_162_2020_Q3_Initial.csv	8/13/2020	162	21	37.458345	-121.941963	336.6
MONITOR_Newby_GRID_171_2020_Q3_Initial.csv	8/13/2020	171	4	37.458183	-121.945735	246.4
MONITOR_Newby_GRID_171_2020_Q3_Initial.csv	8/13/2020	171	9	37.458192	-121.945568	284.8
MONITOR_Newby_GRID_171_2020_Q3_Initial.csv	8/13/2020	171	10	37.458190	-121.945527	400.2
MONITOR_Newby_GRID_171_2020_Q3_Initial.csv	8/13/2020	171	12	37.458187	-121.945443	235.7
MONITOR_Newby_GRID_171_2020_Q3_Initial.csv	8/13/2020	171	16	37.458187	-121.945290	313.6
MONITOR_Newby_GRID_171_2020_Q3_Initial.csv	8/13/2020	171	17	37.458178	-121.945257	437.7
MONITOR_Newby_GRID_171_2020_Q3_Initial.csv	8/13/2020	171	31	37.458088	-121.944958	226.8
MONITOR_Newby_GRID_171_2020_Q3_Initial.csv	8/13/2020	171	32	37.458097	-121.945003	273.4
MONITOR_Newby_GRID_171_2020_Q3_Initial.csv	8/13/2020	171	33	37.458093	-121.945040	202.0
MONITOR_Newby_GRID_171_2020_Q3_Initial.csv	8/13/2020	171	46	37.458083	-121.945487	205.0
MONITOR_Newby_GRID_171_2020_Q3_Initial.csv	8/13/2020	171	47	37.458087	-121.945537	264.7
MONITOR_Newby_GRID_171_2020_Q3_Initial.csv	8/13/2020	171	48	37.458092	-121.945572	270.6
MONITOR_Newby_GRID_171_2020_Q3_Initial.csv	8/13/2020	171	75	37.458008	-121.944890	339.7
MONITOR_Newby_GRID_171_2020_Q3_Initial.csv	8/13/2020	171	76	37.458007	-121.944863	415.6
MONITOR_Newby_GRID_181_2020_Q3_Initial.csv	8/13/2020	181	19	37.457883	-121.945482	398.6
MONITOR_Newby_GRID_181_2020_Q3_Initial.csv	8/13/2020	181	42	37.457822	-121.945093	243.8
MONITOR_Newby_GRID_181_2020_Q3_Initial.csv	8/13/2020	181	55	37.457733	-121.945073	217.0
MONITOR_Newby_GRID_182_2020_Q3_Initial.csv	8/13/2020	182	14	37.457767	-121.944292	261.9
MONITOR_Newby_GRID_182_2020_Q3_Initial.csv	8/13/2020	182	16	37.457750	-121.944195	409.5

**Table 1**  
**SUMMARY OF INSTANTANEOUS METHANE CONCENTRATIONS BETWEEN 200-499 PPMV**  
**3Q2020 Newby Island Landfill**

FILE NAME	DATE	GRID NO. / WELL ID.	ID NO.	LATITUDE WGS84	LONGITUDE WGS84	METHANE CONCENTRATION (ppmv)
MONITOR_Newby_GRID_182_2020_Q3_Initial.csv	8/13/2020	182	17	37.457747	-121.944148	370.3
MONITOR_Newby_GRID_182_2020_Q3_Initial.csv	8/13/2020	182	20	37.457763	-121.944078	300.7
MONITOR_Newby_GRID_182_2020_Q3_Initial.csv	8/13/2020	182	28	37.457842	-121.944320	224.0
MONITOR_Newby_GRID_182_2020_Q3_Initial.csv	8/13/2020	182	29	37.457840	-121.944367	296.8
MONITOR_Newby_GRID_182_2020_Q3_Initial.csv	8/13/2020	182	30	37.457842	-121.944420	485.4
MONITOR_Newby_GRID_182_2020_Q3_Initial.csv	8/13/2020	182	47	37.457935	-121.944540	297.2
MONITOR_Newby_GRID_182_2020_Q3_Initial.csv	8/13/2020	182	49	37.457932	-121.944442	239.3
MONITOR_Newby_GRID_182_2020_Q3_Initial.csv	8/13/2020	182	50	37.457928	-121.944387	216.7
MONITOR_Newby_GRID_183_2020_Q3_Initial.csv	8/13/2020	183	21	37.457858	-121.942078	217.5
MONITOR_Newby_GRID_183_2020_Q3_Initial.csv	8/13/2020	183	23	37.457883	-121.942018	231.9
MONITOR_Newby_GRID_192_2020_Q3_Initial.csv	8/13/2020	192	29	37.457495	-121.944487	380.3
MONITOR_Newby_GRID_192_2020_Q3_Initial.csv	8/13/2020	192	30	37.457490	-121.944530	208.1
MONITOR_Newby_GRID_192_2020_Q3_Initial.csv	8/13/2020	192	31	37.457485	-121.944570	316.8
MONITOR_Newby_GRID_192_2020_Q3_Initial.csv	8/13/2020	192	45	37.457568	-121.944503	345.9
MONITOR_Newby_GRID_192_2020_Q3_Initial.csv	8/13/2020	192	52	37.457588	-121.944230	322.6
MONITOR_Newby_GRID_192_2020_Q3_Initial.csv	8/13/2020	192	68	37.457575	-121.943667	330.2
MONITOR_Newby_GRID_192_2020_Q3_Initial.csv	8/13/2020	192	70	37.457593	-121.943735	235.0
MONITOR_Newby_GRID_192_2020_Q3_Initial.csv	8/13/2020	192	85	37.457658	-121.944290	246.2
MONITOR_Newby_GRID_192_2020_Q3_Initial.csv	8/13/2020	192	86	37.457660	-121.944335	247.7
MONITOR_Newby_GRID_192_2020_Q3_Initial.csv	8/13/2020	192	87	37.457655	-121.944377	223.6
MONITOR_Newby_GRID_192_2020_Q3_Initial.csv	8/13/2020	192	90	37.457645	-121.944420	410.0
MONITOR_Newby_GRID_203_2020_Q3_Initial.csv	8/13/2020	203	26	37.457215	-121.943345	307.2
MONITOR_Newby_GRID_203_2020_Q3_Initial.csv	8/13/2020	203	38	37.457293	-121.943305	304.6
MONITOR_Newby_GRID_203_2020_Q3_Initial.csv	8/13/2020	203	48	37.457312	-121.943735	255.3
MONITOR_Newby_GRID_203_2020_Q3_Initial.csv	8/13/2020	203	49	37.457312	-121.943767	200.8
MONITOR_Newby_GRID_203_2020_Q3_Initial.csv	8/13/2020	203	70	37.457365	-121.944362	315.1
MONITOR_Newby_GRID_203_2020_Q3_Initial.csv	8/13/2020	203	73	37.457388	-121.944275	242.4
MONITOR_Newby_GRID_203_2020_Q3_Initial.csv	8/13/2020	203	74	37.457370	-121.944237	300.6
MONITOR_Newby_GRID_203_2020_Q3_Initial.csv	8/13/2020	203	75	37.457368	-121.944198	434.6
MONITOR_Newby_GRID_203_2020_Q3_Initial.csv	8/13/2020	203	79	37.457402	-121.944005	271.8
MONITOR_Newby_GRID_203_2020_Q3_Initial.csv	8/13/2020	203	81	37.457393	-121.943922	232.4
MONITOR_Newby_GRID_203_2020_Q3_Initial.csv	8/13/2020	203	82	37.457385	-121.943903	324.5
MONITOR_Newby_GRID_203_2020_Q3_Initial.csv	8/13/2020	203	83	37.457372	-121.943867	419.2
MONITOR_Newby_GRID_203_2020_Q3_Initial.csv	8/13/2020	203	84	37.457360	-121.943815	303.3
MONITOR_Newby_GRID_203_2020_Q3_Initial.csv	8/13/2020	203	85	37.457367	-121.943770	296.4
MONITOR_Newby_GRID_203_2020_Q3_Initial.csv	8/13/2020	203	86	37.457383	-121.943735	202.7
MONITOR_Newby_GRID_219_2020_Q3_Initial.csv	8/12/2020	219	103	37.456570	-121.946843	266.0
MONITOR_Newby_GRID_221_2020_Q3_Initial.csv	8/13/2020	221	39	37.456753	-121.943603	418.6
MONITOR_Newby_GRID_221_2020_Q3_Initial.csv	8/13/2020	221	45	37.456752	-121.943820	244.3
MONITOR_Newby_GRID_221_2020_Q3_Initial.csv	8/13/2020	221	53	37.456845	-121.943658	237.2
MONITOR_Newby_GRID_221_2020_Q3_Initial.csv	8/13/2020	221	55	37.456850	-121.943528	301.4
MONITOR_Newby_GRID_230_2020_Q3_Initial.csv	8/13/2020	230	23	37.456430	-121.943712	201.9
MONITOR_Newby_GRID_230_2020_Q3_Initial.csv	8/13/2020	230	29	37.456588	-121.943713	335.8
MONITOR_Newbywells_GRID_C242S_2020_Q3_Initial.csv	8/11/2020	C242S	1	37.456108	-121.941755	205.5
MONITOR_Newbywells_GRID_CRS17_2020_Q3_Initial.csv	8/10/2020	CRS17	1	37.455643	-121.942340	228.9
MONITOR_Newbywells_GRID_EW060_2020_Q3_Initial.csv	8/10/2020	EW060	1	37.463810	-121.942870	202.3
MONITOR_Newbywells_GRID_EW063_2020_Q3_Initial.csv	8/10/2020	EW063	1	37.463955	-121.943415	269.3
MONITOR_Newbywells_GRID_EW066_2020_Q3_Initial.csv	8/11/2020	EW066	2	37.464017	-121.944502	324.5
MONITOR_Newbywells_GRID_EW440_2020_Q3_Initial.csv	8/10/2020	EW440	1	37.459202	-121.949880	307.6
MONITOR_Newbywells_GRID_EW482_2020_Q3_Initial.csv	8/10/2020	EW482	1	37.458093	-121.936737	300.6
MONITOR_Newbywells_GRID_EW510_2020_Q3_Initial.csv	8/10/2020	EW510	1	37.459815	-121.942190	337.3
MONITOR_Newbywells_GRID_EW529_2020_Q3_Initial.csv	8/11/2020	EW529	1	37.458238	-121.942465	333.2
MONITOR_Newbywells_GRID_EW568_2020_Q3_Initial.csv	8/11/2020	EW568	1	37.460598	-121.947110	432.9
MONITOR_Newbywells_GRID_EW601_2020_Q3_Initial.csv	8/11/2020	EW601	1	37.459970	-121.945138	340.5
MONITOR_Newbywells_GRID_EW611_2020_Q3_Initial.csv	8/10/2020	EW611	1	37.459095	-121.946245	280.4
MONITOR_Newbywells_GRID_EW615_2020_Q3_Initial.csv	8/11/2020	EW615	1	37.460408	-121.944485	384.3
MONITOR_Newbywells_GRID_EW621_2020_Q3_Initial.csv	8/11/2020	EW621	1	37.458975	-121.946543	332.1
MONITOR_Newbywells_GRID_EW629_2020_Q3_Initial.csv	8/10/2020	EW629	1	37.456265	-121.946373	216.8
MONITOR_Newbywells_GRID_EW644_2020_Q3_Initial.csv	8/10/2020	EW644	1	37.456427	-121.942678	318.2



**Table 1**  
**SUMMARY OF INSTANTANEOUS METHANE CONCENTRATIONS BETWEEN 200-499 PPMV**  
**3Q2020 Newby Island Landfill**

FILE NAME	DATE	GRID NO. / WELL ID.	ID NO.	LATITUDE WGS84	LONGITUDE WGS84	METHANE CONCENTRATION (ppmv)
MONITOR_Newbywells_GRID_EW646_2020_Q3_Initial.csv	8/10/2020	EW646	1	37.458668	-121.942738	219.2
MONITOR_Newbywells_GRID_EW652_2020_Q3_Initial.csv	8/10/2020	EW652	1	37.457990	-121.945680	240.6
MONITOR_Newbywells_GRID_EW658_2020_Q3_Initial.csv	8/10/2020	EW658	1	37.457335	-121.943088	348.0
MONITOR_Newbywells_GRID_EW660_2020_Q3_Initial.csv	8/11/2020	EW660	1	37.457963	-121.942478	255.4
MONITOR_Newbywells_GRID_EW663_2020_Q3_Initial.csv	8/11/2020	EW663	1	37.460648	-121.944677	259.1
MONITOR_Newbywells_GRID_EW666_2020_Q3_Initial.csv	8/10/2020	EW666	1	37.463137	-121.943423	414.5
MONITOR_Newbywells_GRID_EW674_2020_Q3_Initial.csv	8/10/2020	EW674	1	37.463555	-121.945007	267.5
MONITOR_Newbywells_GRID_EW690_2020_Q3_Initial.csv	8/10/2020	EW690	1	37.459360	-121.940447	438.2
MONITOR_Newbywells_GRID_EW699_2020_Q3_Initial.csv	8/11/2020	EW699	1	37.458197	-121.943015	212.8
MONITOR_Newbywells_GRID_HC223_2020_Q3_Initial.csv	8/10/2020	HC223	1	37.456088	-121.941660	476.7
MONITOR_Newbywells_GRID_HC229_2020_Q3_Initial.csv	8/11/2020	HC229	1	37.455698	-121.942397	249.3
MONITOR_Newbywells_GRID_LEW05_2020_Q3_Initial.csv	8/11/2020	LEW05	1	37.461298	-121.941682	335.4
MONITOR_Newbywells_GRID_MW018_2020_Q3_Initial.csv	8/10/2020	MW018	1	37.463595	-121.941143	431.5
MONITOR_Newbywells_GRID_SAR02_2020_Q3_Initial.csv	8/11/2020	SAR02	1	37.457610	-121.942225	235.3

**Table 2**  
**SUMMARY OF INSTANTANEOUS METHANE CONCENTRATIONS ≥500 PPMV**  
**INCLUDING REMONITORING RESULTS**  
**3Q2020 Newby Island Landfill**

FILE NAME	DATE	GRID NO. / WELL ID.	ID NO.	LATITUDE WGS84	LONGITUDE WGS84	METHANE CONCENTRATION (ppmv)
MONITOR_Newby_GRID_18_2020_Q3_Initial.csv	8/12/2020	18	16	37.463305	-121.945850	2209.3
MONITOR_Newby_GRID_18_2020_Q3_10Day_1.csv	8/19/2020	18	16	37.463307	-121.945863	351.7
MONITOR_Newby_GRID_18_2020_Q3_Month.csv	9/1/2020	18	16	37.463318	-121.945877	10.3
MONITOR_Newby_GRID_105_2020_Q3_Initial.csv	8/13/2020	105	75	37.459753	-121.949675	594.4
MONITOR_Newby_GRID_105_2020_Q3_10Day_1.csv	8/19/2020	105	75	37.459780	-121.949685	4.8
MONITOR_Newby_GRID_105_2020_Q3_Month.csv	9/1/2020	105	75	37.459797	-121.949695	65.8
MONITOR_Newby_GRID_129_2020_Q3_Initial.csv	8/13/2020	129	38	37.459192	-121.946135	2328.6
MONITOR_Newby_GRID_129_2020_Q3_10Day_1.csv	8/19/2020	129	38	37.459200	-121.946100	89.5
MONITOR_Newby_GRID_129_2020_Q3_Month.csv	9/1/2020	129	38	37.459202	-121.946128	180.2
MONITOR_Newby_GRID_139_2020_Q3_Initial.csv	8/13/2020	139	62	37.459002	-121.945953	1230.8
MONITOR_Newby_GRID_139_2020_Q3_10Day_1.csv	8/19/2020	139	62	37.459028	-121.945950	31.7
MONITOR_Newby_GRID_139_2020_Q3_Month.csv	9/1/2020	139	62	37.459013	-121.945953	64.5
MONITOR_Newby_GRID_160_2020_Q3_Initial.csv	8/13/2020	160	40	37.458332	-121.945468	1602.6
MONITOR_Newby_GRID_160_2020_Q3_10Day_1.csv	8/19/2020	160	40	37.458310	-121.945450	188.8
MONITOR_Newby_GRID_160_2020_Q3_Month.csv	9/1/2020	160	40	37.458338	-121.945477	103.0
MONITOR_Newby_GRID_171_2020_Q3_Initial.csv	8/13/2020	171	18	37.458177	-121.945248	1168.0
MONITOR_Newby_GRID_171_2020_Q3_10Day_1.csv	8/19/2020	171	18	37.458157	-121.945230	411.3
MONITOR_Newby_GRID_171_2020_Q3_Month.csv	9/1/2020	171	18	37.458173	-121.945248	45.7
MONITOR_Newby_GRID_182_2020_Q3_Initial.csv	8/13/2020	182	18	37.457780	-121.944167	748.8
MONITOR_Newby_GRID_182_2020_Q3_10Day_1.csv	8/19/2020	182	18	37.457773	-121.944212	219.3
MONITOR_Newby_GRID_182_2020_Q3_Month.csv	9/1/2020	182	18	37.457765	-121.944175	119.8
MONITOR_Newby_GRID_203_2020_Q3_Initial.csv	8/13/2020	203	77	37.457368	-121.944167	1007.4
MONITOR_Newby_GRID_203_2020_Q3_10Day_1.csv	8/19/2020	203	77	37.457385	-121.944163	215.4
MONITOR_Newby_GRID_203_2020_Q3_Month.csv	9/1/2020	203	77	37.457405	-121.944165	246.8
MONITOR_Newby_GRID_204_2020_Q3_Initial.csv	8/13/2020	204	54	37.457507	-121.942000	1008.9
MONITOR_Newby_GRID_204_2020_Q3_10Day_1.csv	8/19/2020	204	54	37.457513	-121.941983	70.7
MONITOR_Newby_GRID_204_2020_Q3_Month.csv	9/1/2020	204	54	37.457528	-121.942020	59.5
MONITOR_Newby_GRID_221_2020_Q3_Initial.csv	8/13/2020	221	40	37.456755	-121.943577	2216.1
MONITOR_Newby_GRID_221_2020_Q3_10Day_1.csv	8/19/2020	221	40	37.456753	-121.943557	335.8
MONITOR_Newby_GRID_221_2020_Q3_Month.csv	9/1/2020	221	40	37.456758	-121.943588	0.0
MONITOR_Newbywells_GRID_C17-2_2020_Q3_Initial.csv	8/11/2020	C17-2	NA	37.457742	-121.942095	855.5
MONITOR_Newbywells_GRID_C17-2_2020_Q3_10Day_1.csv	8/19/2020	C17-2	NA	37.457737	-121.942095	79.5
MONITOR_Newbywells_GRID_C17-2_2020_Q3_Month.csv	9/1/2020	C17-2	NA	37.457703	-121.942073	199.2
MONITOR_Newbywells_GRID_C17-3_2020_Q3_Initial.csv	8/11/2020	C17-3	NA	37.457737	-121.942083	1006.8
MONITOR_Newbywells_GRID_C17-3_2020_Q3_10Day_1.csv	8/19/2020	C17-3	NA	37.457727	-121.942072	157.1
MONITOR_Newbywells_GRID_C17-3_2020_Q3_Month.csv	9/1/2020	C17-3	NA	37.457747	-121.942038	108.3
MONITOR_Newbywells_GRID_EW462_2020_Q3_Initial.csv	8/11/2020	EW462	NA	37.460747	-121.946810	1409.0
MONITOR_Newbywells_GRID_EW462_2020_Q3_10Day_1.csv	8/19/2020	EW462	NA	37.460735	-121.946822	49.2
MONITOR_Newbywells_GRID_EW462_2020_Q3_Month.csv	9/1/2020	EW462	NA	37.460740	-121.946812	12.2
MONITOR_Newbywells_GRID_EW579_2020_Q3_Initial.csv	8/11/2020	EW579	NA	37.458150	-121.945543	787.7
MONITOR_Newbywells_GRID_EW579_2020_Q3_10Day_1.csv	8/19/2020	EW579	NA	37.458123	-121.945520	118.7
MONITOR_Newbywells_GRID_EW579_2020_Q3_Month.csv	9/1/2020	EW579	NA	37.458118	-121.945550	204.7
MONITOR_Newbywells_GRID_EW597_2020_Q3_Initial.csv	8/11/2020	EW597	NA	37.460435	-121.946373	792.3
MONITOR_Newbywells_GRID_EW597_2020_Q3_10Day_1.csv	8/19/2020	EW597	NA	37.460430	-121.946337	0.0
MONITOR_Newbywells_GRID_EW597_2020_Q3_Month.csv	9/1/2020	EW597	NA	37.460412	-121.946353	96.9
MONITOR_Newbywells_GRID_EW613_2020_Q3_Initial.csv	8/11/2020	EW613	NA	37.459963	-121.945785	1536.7
MONITOR_Newbywells_GRID_EW613_2020_Q3_10Day_1.csv	8/19/2020	EW613	NA	37.459972	-121.945763	22.9
MONITOR_Newbywells_GRID_EW613_2020_Q3_Month.csv	9/1/2020	EW613	NA	37.459945	-121.945735	8.4
MONITOR_Newbywells_GRID_EW633_2020_Q3_Initial.csv	8/11/2020	EW633	NA	37.455703	-121.944543	1255.5
MONITOR_Newbywells_GRID_EW633_2020_Q3_10Day_1.csv	8/19/2020	EW633	NA	37.455718	-121.944522	0.0
MONITOR_Newbywells_GRID_EW633_2020_Q3_Month.csv	9/1/2020	EW633	NA	37.455703	-121.944558	1.6
MONITOR_Newbywells_GRID_EW643_2020_Q3_Initial.csv	8/11/2020	EW643	NA	37.456263	-121.942348	1077.6
MONITOR_Newbywells_GRID_EW643_2020_Q3_10Day_1.csv	8/19/2020	EW643	NA	37.456243	-121.942373	9.2
MONITOR_Newbywells_GRID_EW643_2020_Q3_Month.csv	9/1/2020	EW643	NA	37.456245	-121.942358	91.7
MONITOR_Newbywells_GRID_EW685_2020_Q3_Initial.csv	8/11/2020	EW685	NA	37.459760	-121.943887	7239.9
MONITOR_Newbywells_GRID_EW685_2020_Q3_10Day_1.csv	8/19/2020	EW685	NA	37.459760	-121.943887	AWF - Inaccessible
MONITOR_Newbywells_GRID_EW685_2020_Q3_Month.csv	9/1/2020	EW685	NA	37.459763	-121.943930	28.2

AWF - Inaccessible: Active Working Face - Inaccessible

# APPENDIX C




## Integrated Monitoring Results

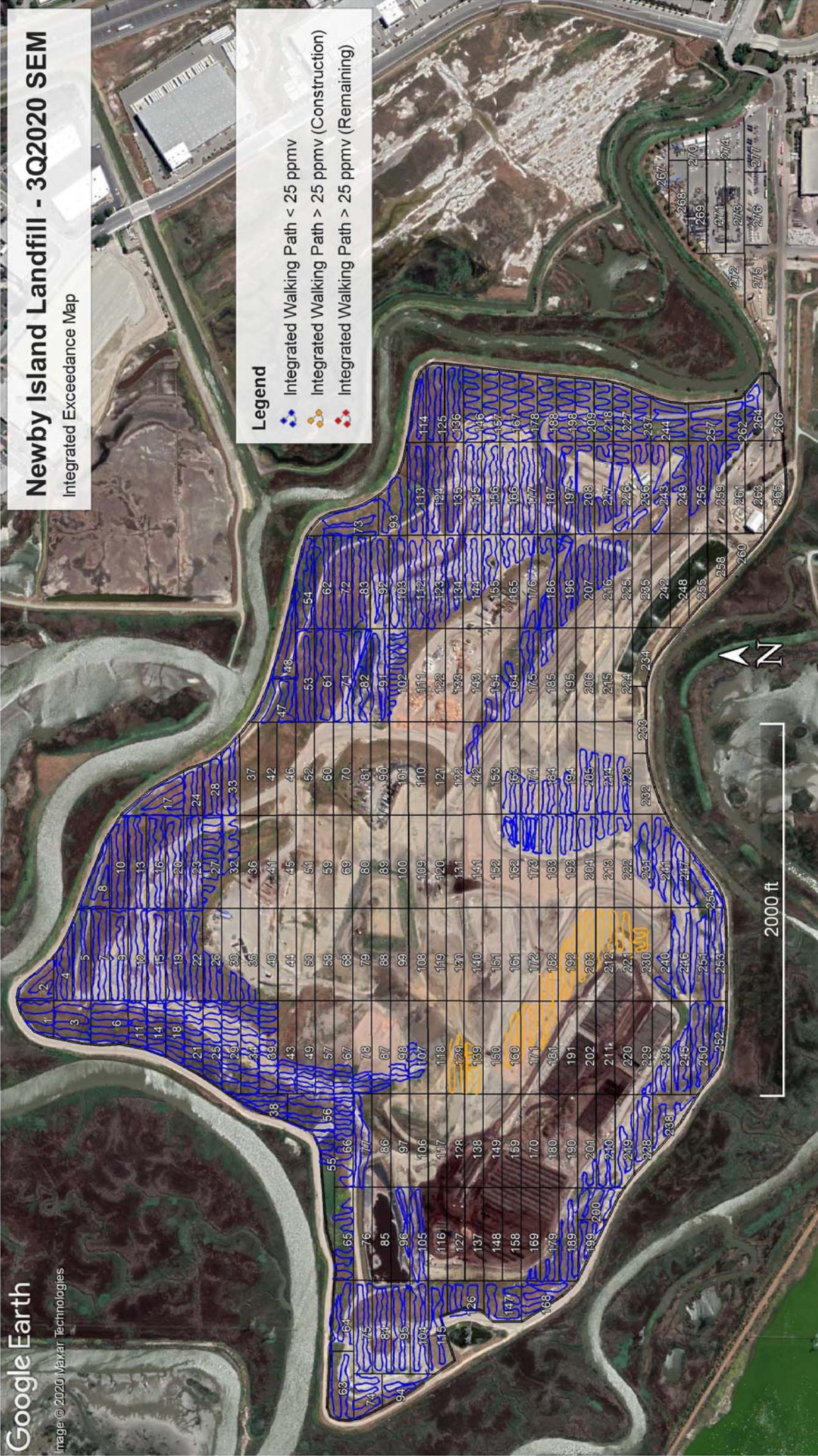


# Newby Island Landfill - 3Q2020 SEM

Integrated Exceedance Map

## Legend

-  Integrated Walking Path < 25 ppmv
-  Integrated Walking Path > 25 ppmv (Construction)
-  Integrated Walking Path > 25 ppmv (Remaining)





**Table 3**  
**SUMMARY OF INTEGRATED METHANE CONCENTRATIONS**  
**INCLUDING REMONITORING RESULTS**  
**3Q2020 Newby Island Landfill**

FILE NAME	DATE	GRID NO.	INTEGRATED METHANE CONCENTRATION (ppmv)
MONITOR_Newby_GRID_1_2020_Q3_Initial.csv	8/12/2020	1	4.8
MONITOR_Newby_GRID_2_2020_Q3_Initial.csv	8/12/2020	2	3.7
MONITOR_Newby_GRID_3_2020_Q3_Initial.csv	8/12/2020	3	5.0
MONITOR_Newby_GRID_4_2020_Q3_Initial.csv	8/12/2020	4	4.5
MONITOR_Newby_GRID_5_2020_Q3_Initial.csv	8/12/2020	5	1.8
MONITOR_Newby_GRID_6_2020_Q3_Initial.csv	8/12/2020	6	2.4
MONITOR_Newby_GRID_7_2020_Q3_Initial.csv	8/12/2020	7	5.2
MONITOR_Newby_GRID_8_2020_Q3_Initial.csv	8/12/2020	8	0.7
MONITOR_Newby_GRID_9_2020_Q3_Initial.csv	8/12/2020	9	2.9
MONITOR_Newby_GRID_10_2020_Q3_Initial.csv	8/12/2020	10	0.2
MONITOR_Newby_GRID_11_2020_Q3_Initial.csv	8/12/2020	11	6.3
MONITOR_Newby_GRID_12_2020_Q3_Initial.csv	8/12/2020	12	2.5
MONITOR_Newby_GRID_13_2020_Q3_Initial.csv	8/12/2020	13	0.5
MONITOR_Newby_GRID_14_2020_Q3_Initial.csv	8/12/2020	14	2.8
MONITOR_Newby_GRID_15_2020_Q3_Initial.csv	8/12/2020	15	2.8
MONITOR_Newby_GRID_16_2020_Q3_Initial.csv	8/12/2020	16	0.7
MONITOR_Newby_GRID_17_2020_Q3_Initial.csv	8/12/2020	17	2.5
MONITOR_Newby_GRID_18_2020_Q3_Initial.csv	8/12/2020	18	15.9
MONITOR_Newby_GRID_19_2020_Q3_Initial.csv	8/12/2020	19	9.0
MONITOR_Newby_GRID_20_2020_Q3_Initial.csv	8/12/2020	20	1.6
MONITOR_Newby_GRID_21_2020_Q3_Initial.csv	8/12/2020	21	2.5
MONITOR_Newby_GRID_22_2020_Q3_Initial.csv	8/12/2020	22	2.3
MONITOR_Newby_GRID_23_2020_Q3_Initial.csv	8/12/2020	23	7.1
MONITOR_Newby_GRID_24_2020_Q3_Initial.csv	8/12/2020	24	4.2
MONITOR_Newby_GRID_25_2020_Q3_Initial.csv	8/12/2020	25	6.2
MONITOR_Newby_GRID_26_2020_Q3_Initial.csv	8/12/2020	26	1.8
MONITOR_Newby_GRID_27_2020_Q3_Initial.csv	8/12/2020	27	0.8
MONITOR_Newby_GRID_28_2020_Q3_Initial.csv	8/12/2020	28	0.6
MONITOR_Newby_GRID_29_2020_Q3_Initial.csv	8/12/2020	29	8.1
MONITOR_Newby_GRID_30_2020_Q3_Initial.csv	8/12/2020	30	0.6
MONITOR_Newby_GRID_32_2020_Q3_Initial.csv	8/13/2020	32	1.7
MONITOR_Newby_GRID_33_2020_Q3_Initial.csv	8/13/2020	33	2.2
MONITOR_Newby_GRID_34_2020_Q3_Initial.csv	8/12/2020	34	4.9
MONITOR_Newby_GRID_35_2020_Q3_Initial.csv	8/12/2020	35	0.8
MONITOR_Newby_GRID_38_2020_Q3_Initial.csv	8/12/2020	38	2.3
MONITOR_Newby_GRID_39_2020_Q3_Initial.csv	8/12/2020	39	2.1
MONITOR_Newby_GRID_43_2020_Q3_Initial.csv	8/12/2020	43	9.2
MONITOR_Newby_GRID_47_2020_Q3_Initial.csv	8/13/2020	47	1.0
MONITOR_Newby_GRID_48_2020_Q3_Initial.csv	8/13/2020	48	0.5
MONITOR_Newby_GRID_49_2020_Q3_Initial.csv	8/12/2020	49	10.4
MONITOR_Newby_GRID_53_2020_Q3_Initial.csv	8/13/2020	53	1.4
MONITOR_Newby_GRID_54_2020_Q3_Initial.csv	8/13/2020	54	1.3
MONITOR_Newby_GRID_55_2020_Q3_Initial.csv	8/13/2020	55	8.7
MONITOR_Newby_GRID_56_2020_Q3_Initial.csv	8/12/2020	56	3.3
MONITOR_Newby_GRID_57_2020_Q3_Initial.csv	8/12/2020	57	9.9
MONITOR_Newby_GRID_61_2020_Q3_Initial.csv	8/13/2020	61	0.6
MONITOR_Newby_GRID_62_2020_Q3_Initial.csv	8/13/2020	62	0.8
MONITOR_Newby_GRID_63_2020_Q3_Initial.csv	8/11/2020	63	2.3
MONITOR_Newby_GRID_64_2020_Q3_Initial.csv	8/11/2020	64	0.8
MONITOR_Newby_GRID_65_2020_Q3_Initial.csv	8/13/2020	65	0.7
MONITOR_Newby_GRID_66_2020_Q3_Initial.csv	8/13/2020	66	9.6
MONITOR_Newby_GRID_67_2020_Q3_Initial.csv	8/12/2020	67	1.6
MONITOR_Newby_GRID_71_2020_Q3_Initial.csv	8/13/2020	71	0.5
MONITOR_Newby_GRID_72_2020_Q3_Initial.csv	8/13/2020	72	0.7
MONITOR_Newby_GRID_73_2020_Q3_Initial.csv	8/13/2020	73	0.4
MONITOR_Newby_GRID_74_2020_Q3_Initial.csv	8/11/2020	74	0.4

**Table 3**  
**SUMMARY OF INTEGRATED METHANE CONCENTRATIONS**  
**INCLUDING REMONITORING RESULTS**  
**3Q2020 Newby Island Landfill**

FILE NAME	DATE	GRID NO.	INTEGRATED METHANE CONCENTRATION (ppmv)
MONITOR_Newby_GRID_75_2020_Q3_Initial.csv	8/11/2020	75	0.8
MONITOR_Newby_GRID_77_2020_Q3_Initial.csv	8/13/2020	77	10.3
MONITOR_Newby_GRID_78_2020_Q3_Initial.csv	8/12/2020	78	3.4
MONITOR_Newby_GRID_82_2020_Q3_Initial.csv	8/13/2020	82	0.4
MONITOR_Newby_GRID_83_2020_Q3_Initial.csv	8/13/2020	83	0.4
MONITOR_Newby_GRID_84_2020_Q3_Initial.csv	8/11/2020	84	1.2
MONITOR_Newby_GRID_87_2020_Q3_Initial.csv	8/12/2020	87	9.6
MONITOR_Newby_GRID_91_2020_Q3_Initial.csv	8/13/2020	91	0.3
MONITOR_Newby_GRID_92_2020_Q3_Initial.csv	8/13/2020	92	0.0
MONITOR_Newby_GRID_93_2020_Q3_Initial.csv	8/13/2020	93	0.2
MONITOR_Newby_GRID_94_2020_Q3_Initial.csv	8/11/2020	94	0.4
MONITOR_Newby_GRID_95_2020_Q3_Initial.csv	8/11/2020	95	0.9
MONITOR_Newby_GRID_96_2020_Q3_Initial.csv	8/13/2020	96	10.4
MONITOR_Newby_GRID_98_2020_Q3_Initial.csv	8/12/2020	98	15.4
MONITOR_Newby_GRID_102_2020_Q3_Initial.csv	8/13/2020	102	1.2
MONITOR_Newby_GRID_103_2020_Q3_Initial.csv	8/12/2020	103	0.1
MONITOR_Newby_GRID_104_2020_Q3_Initial.csv	8/11/2020	104	1.4
MONITOR_Newby_GRID_105_2020_Q3_Initial.csv	8/13/2020	105	16.9
MONITOR_Newby_GRID_107_2020_Q3_Initial.csv	8/12/2020	107	17.6
MONITOR_Newby_GRID_112_2020_Q3_Initial.csv	8/12/2020	112	0.0
MONITOR_Newby_GRID_113_2020_Q3_Initial.csv	8/11/2020	113	0.1
MONITOR_Newby_GRID_114_2020_Q3_Initial.csv	8/11/2020	114	4.3
MONITOR_Newby_GRID_115_2020_Q3_Initial.csv	8/11/2020	115	7.3
MONITOR_Newby_GRID_123_2020_Q3_Initial.csv	8/12/2020	123	0.1
MONITOR_Newby_GRID_124_2020_Q3_Initial.csv	8/11/2020	124	0.1
MONITOR_Newby_GRID_125_2020_Q3_Initial.csv	8/11/2020	125	2.1
MONITOR_Newby_GRID_126_2020_Q3_Initial.csv	8/11/2020	126	0.9
MONITOR_Newby_GRID_129_2020_Q3_Initial.csv	8/13/2020	129	69.3
MONITOR_Newby_GRID_129_2020_Q3_Initial.csv	8/20/2020	129	Construction
MONITOR_Newby_GRID_129_2020_Q3_Initial.csv	NA	129	Construction
MONITOR_Newby_GRID_134_2020_Q3_Initial.csv	8/12/2020	134	0.1
MONITOR_Newby_GRID_135_2020_Q3_Initial.csv	8/11/2020	135	0.0
MONITOR_Newby_GRID_136_2020_Q3_Initial.csv	8/11/2020	136	0.3
MONITOR_Newby_GRID_139_2020_Q3_Initial.csv	8/13/2020	139	96.0
MONITOR_Newby_GRID_139_2020_Q3_Initial.csv	8/20/2020	139	Construction
MONITOR_Newby_GRID_139_2020_Q3_Initial.csv	NA	139	Construction
MONITOR_Newby_GRID_142_2020_Q3_Initial.csv	8/13/2020	142	0.5
MONITOR_Newby_GRID_144_2020_Q3_Initial.csv	8/12/2020	144	0.3
MONITOR_Newby_GRID_145_2020_Q3_Initial.csv	8/11/2020	145	0.0
MONITOR_Newby_GRID_146_2020_Q3_Initial.csv	8/11/2020	146	2.2
MONITOR_Newby_GRID_147_2020_Q3_Initial.csv	8/12/2020	147	0.2
MONITOR_Newby_GRID_154_2020_Q3_Initial.csv	8/13/2020	154	9.7
MONITOR_Newby_GRID_155_2020_Q3_Initial.csv	8/12/2020	155	1.2
MONITOR_Newby_GRID_156_2020_Q3_Initial.csv	8/11/2020	156	0.0
MONITOR_Newby_GRID_157_2020_Q3_Initial.csv	8/11/2020	157	0.2
MONITOR_Newby_GRID_160_2020_Q3_Initial.csv	8/13/2020	160	103.1
MONITOR_Newby_GRID_160_2020_Q3_Initial.csv	8/20/2020	160	Construction
MONITOR_Newby_GRID_160_2020_Q3_Initial.csv	NA	160	Construction
MONITOR_Newby_GRID_162_2020_Q3_Initial.csv	8/13/2020	162	44.1
MONITOR_Newby_GRID_162_2020_Q3_10Day_1.csv	8/20/2020	162	9.6
MONITOR_Newby_GRID_163_2020_Q3_Initial.csv	8/13/2020	163	7.1
MONITOR_Newby_GRID_164_2020_Q3_Initial.csv	8/13/2020	164	4.8
MONITOR_Newby_GRID_165_2020_Q3_Initial.csv	8/12/2020	165	0.0
MONITOR_Newby_GRID_166_2020_Q3_Initial.csv	8/12/2020	166	0.0
MONITOR_Newby_GRID_167_2020_Q3_Initial.csv	8/11/2020	167	0.1
MONITOR_Newby_GRID_168_2020_Q3_Initial.csv	8/12/2020	168	1.2

**Table 3**  
**SUMMARY OF INTEGRATED METHANE CONCENTRATIONS**  
**INCLUDING REMONITORING RESULTS**  
**3Q2020 Newby Island Landfill**

FILE NAME	DATE	GRID NO.	INTEGRATED METHANE CONCENTRATION (ppmv)
MONITOR_Newby_GRID_169_2020_Q3_Initial.csv	8/12/2020	169	0.8
MONITOR_Newby_GRID_171_2020_Q3_Initial.csv	8/13/2020	171	117.7
MONITOR_Newby_GRID_171_2020_Q3_10Day_1.csv	8/20/2020	171	Construction
MONITOR_Newby_GRID_171_2020_Q3_Initial.csv	NA	171	Construction
MONITOR_Newby_GRID_172_2020_Q3_Initial.csv	8/13/2020	172	24.3
MONITOR_Newby_GRID_173_2020_Q3_Initial.csv	8/13/2020	173	25.7
MONITOR_Newby_GRID_173_2020_Q3_10Day_1.csv	8/20/2020	173	11.7
MONITOR_Newby_GRID_174_2020_Q3_Initial.csv	8/13/2020	174	12.2
MONITOR_Newby_GRID_175_2020_Q3_Initial.csv	8/13/2020	175	0.7
MONITOR_Newby_GRID_176_2020_Q3_Initial.csv	8/12/2020	176	1.7
MONITOR_Newby_GRID_177_2020_Q3_Initial.csv	8/12/2020	177	0.0
MONITOR_Newby_GRID_178_2020_Q3_Initial.csv	8/11/2020	178	0.4
MONITOR_Newby_GRID_179_2020_Q3_Initial.csv	8/12/2020	179	0.1
MONITOR_Newby_GRID_181_2020_Q3_Initial.csv	8/13/2020	181	71.3
MONITOR_Newby_GRID_181_2020_Q3_10Day_1.csv	8/20/2020	181	Construction
MONITOR_Newby_GRID_181_2020_Q3_Initial.csv	NA	181	Construction
MONITOR_Newby_GRID_182_2020_Q3_Initial.csv	8/13/2020	182	139.1
MONITOR_Newby_GRID_182_2020_Q3_10Day_1.csv	8/20/2020	182	Construction
MONITOR_Newby_GRID_182_2020_Q3_Initial.csv	NA	182	Construction
MONITOR_Newby_GRID_183_2020_Q3_Initial.csv	8/13/2020	183	20.6
MONITOR_Newby_GRID_184_2020_Q3_Initial.csv	8/13/2020	184	14.1
MONITOR_Newby_GRID_185_2020_Q3_Initial.csv	8/13/2020	185	8.2
MONITOR_Newby_GRID_186_2020_Q3_Initial.csv	8/12/2020	186	4.0
MONITOR_Newby_GRID_187_2020_Q3_Initial.csv	8/12/2020	187	0.0
MONITOR_Newby_GRID_188_2020_Q3_Initial.csv	8/11/2020	188	0.5
MONITOR_Newby_GRID_189_2020_Q3_Initial.csv	8/12/2020	189	1.7
MONITOR_Newby_GRID_192_2020_Q3_Initial.csv	8/13/2020	192	108.0
MONITOR_Newby_GRID_192_2020_Q3_10Day_1.csv	8/20/2020	192	Construction
MONITOR_Newby_GRID_192_2020_Q3_Initial.csv	NA	192	Construction
MONITOR_Newby_GRID_193_2020_Q3_Initial.csv	8/13/2020	193	13.8
MONITOR_Newby_GRID_194_2020_Q3_Initial.csv	8/13/2020	194	1.8
MONITOR_Newby_GRID_196_2020_Q3_Initial.csv	8/12/2020	196	1.4
MONITOR_Newby_GRID_197_2020_Q3_Initial.csv	8/12/2020	197	0.0
MONITOR_Newby_GRID_198_2020_Q3_Initial.csv	8/11/2020	198	1.1
MONITOR_Newby_GRID_199_2020_Q3_Initial.csv	8/12/2020	199	1.0
MONITOR_Newby_GRID_200_2020_Q3_Initial.csv	8/12/2020	200	3.8
MONITOR_Newby_GRID_201_2020_Q3_Initial.csv	8/12/2020	201	12.3
MONITOR_Newby_GRID_203_2020_Q3_Initial.csv	8/13/2020	203	119.3
MONITOR_Newby_GRID_203_2020_Q3_10Day_1.csv	8/20/2020	203	Construction
MONITOR_Newby_GRID_203_2020_Q3_Initial.csv	NA	203	Construction
MONITOR_Newby_GRID_204_2020_Q3_Initial.csv	8/13/2020	204	3.8
MONITOR_Newby_GRID_205_2020_Q3_Initial.csv	8/13/2020	205	5.0
MONITOR_Newby_GRID_207_2020_Q3_Initial.csv	8/12/2020	207	1.1
MONITOR_Newby_GRID_208_2020_Q3_Initial.csv	8/12/2020	208	0.1
MONITOR_Newby_GRID_209_2020_Q3_Initial.csv	8/11/2020	209	2.1
MONITOR_Newby_GRID_210_2020_Q3_Initial.csv	8/12/2020	210	12.6
MONITOR_Newby_GRID_212_2020_Q3_Initial.csv	8/13/2020	212	41.6
MONITOR_Newby_GRID_212_2020_Q3_10Day_1.csv	8/20/2020	212	Construction
MONITOR_Newby_GRID_212_2020_Q3_Initial.csv	NA	212	Construction
MONITOR_Newby_GRID_213_2020_Q3_Initial.csv	8/13/2020	213	4.8
MONITOR_Newby_GRID_214_2020_Q3_Initial.csv	8/13/2020	214	5.7
MONITOR_Newby_GRID_216_2020_Q3_Initial.csv	8/12/2020	216	2.3
MONITOR_Newby_GRID_217_2020_Q3_Initial.csv	8/12/2020	217	0.0
MONITOR_Newby_GRID_218_2020_Q3_Initial.csv	8/11/2020	218	1.5
MONITOR_Newby_GRID_219_2020_Q3_Initial.csv	8/12/2020	219	11.9

**Table 3**  
**SUMMARY OF INTEGRATED METHANE CONCENTRATIONS**  
**INCLUDING REMONITORING RESULTS**  
**3Q2020 Newby Island Landfill**

FILE NAME	DATE	GRID NO.	INTEGRATED METHANE CONCENTRATION (ppmv)
MONITOR_Newby_GRID_221_2020_Q3_Initial.csv	8/13/2020	221	75.1
MONITOR_Newby_GRID_221_2020_Q3_10Day_1.csv	8/20/2020	221	Construction
MONITOR_Newby_GRID_221_2020_Q3_Initial.csv	NA	221	Construction
MONITOR_Newby_GRID_222_2020_Q3_Initial.csv	8/13/2020	222	1.1
MONITOR_Newby_GRID_223_2020_Q3_Initial.csv	8/13/2020	223	17.2
MONITOR_Newby_GRID_225_2020_Q3_Initial.csv	8/12/2020	225	0.9
MONITOR_Newby_GRID_226_2020_Q3_Initial.csv	8/12/2020	226	1.1
MONITOR_Newby_GRID_227_2020_Q3_Initial.csv	8/11/2020	227	1.4
MONITOR_Newby_GRID_228_2020_Q3_Initial.csv	8/12/2020	228	9.1
MONITOR_Newby_GRID_229_2020_Q3_Initial.csv	8/12/2020	229	2.4
MONITOR_Newby_GRID_230_2020_Q3_Initial.csv	8/13/2020	230	75.7
MONITOR_Newby_GRID_230_2020_Q3_10Day_1.csv	8/20/2020	230	Construction
MONITOR_Newby_GRID_230_2020_Q3_Initial.csv	NA	230	Construction
MONITOR_Newby_GRID_231_2020_Q3_Initial.csv	8/12/2020	231	8.2
MONITOR_Newby_GRID_236_2020_Q3_Initial.csv	8/12/2020	236	2.8
MONITOR_Newby_GRID_237_2020_Q3_Initial.csv	8/11/2020	237	0.7
MONITOR_Newby_GRID_238_2020_Q3_Initial.csv	8/12/2020	238	4.2
MONITOR_Newby_GRID_239_2020_Q3_Initial.csv	8/12/2020	239	10.8
MONITOR_Newby_GRID_240_2020_Q3_Initial.csv	8/12/2020	240	15.5
MONITOR_Newby_GRID_241_2020_Q3_Initial.csv	8/12/2020	241	11.3
MONITOR_Newby_GRID_243_2020_Q3_Initial.csv	8/12/2020	243	1.3
MONITOR_Newby_GRID_244_2020_Q3_Initial.csv	8/11/2020	244	2.5
MONITOR_Newby_GRID_245_2020_Q3_Initial.csv	8/12/2020	245	4.0
MONITOR_Newby_GRID_246_2020_Q3_Initial.csv	8/12/2020	246	2.3
MONITOR_Newby_GRID_247_2020_Q3_Initial.csv	8/12/2020	247	18.5
MONITOR_Newby_GRID_249_2020_Q3_Initial.csv	8/12/2020	249	4.0
MONITOR_Newby_GRID_250_2020_Q3_Initial.csv	8/12/2020	250	8.4
MONITOR_Newby_GRID_251_2020_Q3_Initial.csv	8/12/2020	251	6.5
MONITOR_Newby_GRID_252_2020_Q3_Initial.csv	8/12/2020	252	7.5
MONITOR_Newby_GRID_253_2020_Q3_Initial.csv	8/12/2020	253	11.8
MONITOR_Newby_GRID_254_2020_Q3_Initial.csv	8/12/2020	254	3.5
MONITOR_Newby_GRID_256_2020_Q3_Initial.csv	8/12/2020	256	0.8
MONITOR_Newby_GRID_257_2020_Q3_Initial.csv	8/11/2020	257	0.9
MONITOR_Newby_GRID_259_2020_Q3_Initial.csv	8/12/2020	259	0.7
MONITOR_Newby_GRID_261_2020_Q3_Initial.csv	8/12/2020	261	0.5
MONITOR_Newby_GRID_262_2020_Q3_Initial.csv	8/11/2020	262	0.1
MONITOR_Newby_GRID_264_2020_Q3_Initial.csv	8/11/2020	264	0.0



# APPENDIX D

## Calibration Logs

MONITOR TYPE	OPERATOR NAME	INSTRUMENT ID	FILE SAVE TIME	AVG PRECISION (%)	AVG RESPONSE TIME (SECONDS)	DIFFERENCE (%)	ZERO AIR PPM	TIME STAMP	INSTRUMENT ID
VERIFICATION SUMMARY	Field Solutions, Inc.	000780DABAC4	8/10/2020 7:33	-0.5	5.3				
MONITOR TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	MEASURED CONCENTRATION (ppmv)	DIFFERENCE (ppmv)	DIFFERENCE (%)	ZERO AIR PPM	TIME STAMP	INSTRUMENT ID
PRECISION MEASUREMENT		CH4 (Methane)	500	497.6	-2.4	-0.5	0	8/10/2020 7:31	000780DABAC4
PRECISION MEASUREMENT		CH4 (Methane)	500	497.7	-2.3	-0.5	0	8/10/2020 7:32	000780DABAC4
PRECISION MEASUREMENT		CH4 (Methane)	500	497.7	-2.3	-0.5	0	8/10/2020 7:32	000780DABAC4
MONITOR TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	TARGET CONCENTRATION (ppmv)	INITIAL CONCENTRATION (ppmv)	RESPONSE TIME (seconds)	TIME STAMP	INSTRUMENT ID	
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	472.8	0	5	8/10/2020 7:33	000780DABAC4	
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	472.8	0	6	8/10/2020 7:33	000780DABAC4	
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	472.8	0	5	8/10/2020 7:33	000780DABAC4	
MONITOR TYPE	OPERATOR NAME	INSTRUMENT ID	FILE SAVE TIME	AVG PRECISION (%)	AVG RESPONSE TIME (SECONDS)	DIFFERENCE (%)	ZERO AIR PPM	TIME STAMP	INSTRUMENT ID
VERIFICATION SUMMARY	Field Solutions, Inc.	8860P6E68F	8/10/2020 7:34	-0.6	5				
MONITOR TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	MEASURED CONCENTRATION (ppmv)	DIFFERENCE (ppmv)	DIFFERENCE (%)	ZERO AIR PPM	TIME STAMP	INSTRUMENT ID
PRECISION MEASUREMENT		CH4 (Methane)	500	496.4	-3.6	-0.7	0	8/10/2020 7:33	8860P6E68F
PRECISION MEASUREMENT		CH4 (Methane)	500	498.2	-1.8	-0.4	0	8/10/2020 7:33	8860P6E68F
PRECISION MEASUREMENT		CH4 (Methane)	500	497.1	-2.9	-0.6	0	8/10/2020 7:33	8860P6E68F
MONITOR TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	TARGET CONCENTRATION (ppmv)	INITIAL CONCENTRATION (ppmv)	RESPONSE TIME (seconds)	TIME STAMP	INSTRUMENT ID	
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	472.4	0	5	8/10/2020 7:34	8860P6E68F	
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	472.4	0	5	8/10/2020 7:34	8860P6E68F	
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	472.4	0	5	8/10/2020 7:34	8860P6E68F	
MONITOR TYPE	OPERATOR NAME	INSTRUMENT ID	FILE SAVE TIME	AVG PRECISION (%)	AVG RESPONSE TIME (SECONDS)	DIFFERENCE (%)	ZERO AIR PPM	TIME STAMP	INSTRUMENT ID
VERIFICATION SUMMARY	Field Solutions, Inc.	8860P6C2C47	8/10/2020 7:42	-0.7	4.7				
MONITOR TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	MEASURED CONCENTRATION (ppmv)	DIFFERENCE (ppmv)	DIFFERENCE (%)	ZERO AIR PPM	TIME STAMP	INSTRUMENT ID
PRECISION MEASUREMENT		CH4 (Methane)	500	496.4	-3.6	-0.7	0	8/10/2020 7:39	8860P6C2C47
PRECISION MEASUREMENT		CH4 (Methane)	500	497.1	-2.9	-0.6	0	8/10/2020 7:40	8860P6C2C47
PRECISION MEASUREMENT		CH4 (Methane)	500	495.6	-4.4	-0.9	0	8/10/2020 7:40	8860P6C2C47
MONITOR TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	TARGET CONCENTRATION (ppmv)	INITIAL CONCENTRATION (ppmv)	RESPONSE TIME (seconds)	TIME STAMP	INSTRUMENT ID	
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	471.6	0	5	8/10/2020 7:41	8860P6C2C47	
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	471.6	0	4	8/10/2020 7:41	8860P6C2C47	
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	471.6	0	5	8/10/2020 7:42	8860P6C2C47	
MONITOR TYPE	OPERATOR NAME	INSTRUMENT ID	FILE SAVE TIME	AVG PRECISION (%)	AVG RESPONSE TIME (SECONDS)	DIFFERENCE (%)	ZERO AIR PPM	TIME STAMP	INSTRUMENT ID
VERIFICATION SUMMARY	Field Solutions, Inc.	8860P30CBDE	8/10/2020 7:51	-1.6	5				
MONITOR TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	MEASURED CONCENTRATION (ppmv)	DIFFERENCE (ppmv)	DIFFERENCE (%)	ZERO AIR PPM	TIME STAMP	INSTRUMENT ID
PRECISION MEASUREMENT		CH4 (Methane)	500	489	-11	-2.2	0	8/10/2020 7:49	8860P30CBDE
PRECISION MEASUREMENT		CH4 (Methane)	500	489.7	-10.3	-2.1	0	8/10/2020 7:50	8860P30CBDE
PRECISION MEASUREMENT		CH4 (Methane)	500	496.5	-3.5	-0.7	0	8/10/2020 7:50	8860P30CBDE
MONITOR TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	TARGET CONCENTRATION (ppmv)	INITIAL CONCENTRATION (ppmv)	RESPONSE TIME (seconds)	TIME STAMP	INSTRUMENT ID	
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	467.2	0	5	8/10/2020 7:51	8860P30CBDE	
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	467.2	0	5	8/10/2020 7:51	8860P30CBDE	
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	467.2	1.2	5	8/10/2020 7:51	8860P30CBDE	
MONITOR TYPE	OPERATOR NAME	INSTRUMENT ID	FILE SAVE TIME	AVG PRECISION (%)	AVG RESPONSE TIME (SECONDS)	DIFFERENCE (%)	ZERO AIR PPM	TIME STAMP	INSTRUMENT ID
VERIFICATION SUMMARY	Field Solutions, Inc.	000780DABAC4	8/11/2020 7:34	-0.2	5				
MONITOR TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	MEASURED CONCENTRATION (ppmv)	DIFFERENCE (ppmv)	DIFFERENCE (%)	ZERO AIR PPM	TIME STAMP	INSTRUMENT ID
PRECISION MEASUREMENT		CH4 (Methane)	500	498.9	-1.1	-0.2	0	8/11/2020 7:30	000780DABAC4
PRECISION MEASUREMENT		CH4 (Methane)	500	498.8	-1.2	-0.2	0	8/11/2020 7:30	000780DABAC4
PRECISION MEASUREMENT		CH4 (Methane)	500	499.2	-0.8	-0.2	0	8/11/2020 7:31	000780DABAC4
MONITOR TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	TARGET CONCENTRATION (ppmv)	INITIAL CONCENTRATION (ppmv)	RESPONSE TIME (seconds)	TIME STAMP	INSTRUMENT ID	
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	474	0	5	8/11/2020 7:32	000780DABAC4	
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	474	0	5	8/11/2020 7:32	000780DABAC4	
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	474	0	5	8/11/2020 7:32	000780DABAC4	

MONITOR TYPE		OPERATOR NAME		INSTRUMENT ID		FILE SAVE TIME		AVG PRECISION (%)		AVG RESPONSE TIME (SECONDS)		DIFFERENCE (%)		TIMESTAMP		INSTRUMENT ID	
VERIFICATION SUMMARY		Field Solutions, Inc.		8860F62C147		8/11/2020 7:39		-0.5		4		-0.7		8/11/2020 7:35		8860F62C147	
PRECISION MEASUREMENT		CAL GAS SERIAL NUMBER		CAL GAS TYPE		CAL GAS CONCENTRATION (ppmv)		MEASURED CONCENTRATION (ppmv)		DIFFERENCE (ppmv)		DIFFERENCE (%)		ZERO AIR PPM		8860F62C147	
PRECISION MEASUREMENT		500		CH4 (Methane)		500		496.7		-3.3		-0.7		0		8/11/2020 7:35	
PRECISION MEASUREMENT		500		CH4 (Methane)		500		498.5		-1.5		-0.3		0		8/11/2020 7:35	
PRECISION MEASUREMENT		500		CH4 (Methane)		500		497.2		-2.8		-0.6		0		8/11/2020 7:36	
MONITOR TYPE		CAL GAS SERIAL NUMBER		CAL GAS TYPE		CAL GAS CONCENTRATION (ppmv)		TARGET CONCENTRATION (ppmv)		INITIAL CONCENTRATION (ppmv)		RESPONSE TIME (seconds)		TIMESTAMP		INSTRUMENT ID	
RESPONSE TIME MEASUREMENT		500		CH4 (Methane)		500		472.6		0		4		8/11/2020 7:36		8860F62C147	
RESPONSE TIME MEASUREMENT		500		CH4 (Methane)		500		472.6		0		4		8/11/2020 7:37		8860F62C147	
RESPONSE TIME MEASUREMENT		500		CH4 (Methane)		500		472.6		0		4		8/11/2020 7:38		8860F62C147	
MONITOR TYPE		OPERATOR NAME		INSTRUMENT ID		FILE SAVE TIME		AVG PRECISION (%)		AVG RESPONSE TIME (SECONDS)		DIFFERENCE (%)		TIMESTAMP		INSTRUMENT ID	
VERIFICATION SUMMARY		Field Solutions, Inc.		8860FA6E68F		8/11/2020 7:40		-0.4		3.3		-0.1		8/11/2020 7:39		8860FA6E68F	
PRECISION MEASUREMENT		CAL GAS SERIAL NUMBER		CAL GAS TYPE		CAL GAS CONCENTRATION (ppmv)		MEASURED CONCENTRATION (ppmv)		DIFFERENCE (ppmv)		DIFFERENCE (%)		ZERO AIR PPM		8860FA6E68F	
PRECISION MEASUREMENT		500		CH4 (Methane)		500		498.5		-0.5		-0.6		0		8/11/2020 7:39	
PRECISION MEASUREMENT		500		CH4 (Methane)		500		497.1		-2.9		-0.6		0		8/11/2020 7:39	
PRECISION MEASUREMENT		500		CH4 (Methane)		500		497.2		-2.8		-0.6		0		8/11/2020 7:39	
MONITOR TYPE		CAL GAS SERIAL NUMBER		CAL GAS TYPE		CAL GAS CONCENTRATION (ppmv)		TARGET CONCENTRATION (ppmv)		INITIAL CONCENTRATION (ppmv)		RESPONSE TIME (seconds)		TIMESTAMP		INSTRUMENT ID	
RESPONSE TIME MEASUREMENT		500		CH4 (Methane)		500		473		0		6		8/11/2020 7:40		8860FA6E68F	
RESPONSE TIME MEASUREMENT		500		CH4 (Methane)		500		473		0		5		8/11/2020 7:40		8860FA6E68F	
RESPONSE TIME MEASUREMENT		500		CH4 (Methane)		500		473		0		5		8/11/2020 7:40		8860FA6E68F	
MONITOR TYPE		OPERATOR NAME		INSTRUMENT ID		FILE SAVE TIME		AVG PRECISION (%)		AVG RESPONSE TIME (SECONDS)		DIFFERENCE (%)		TIMESTAMP		INSTRUMENT ID	
VERIFICATION SUMMARY		Field Solutions, Inc.		8860F30C0DE		8/11/2020 7:45		-0.6		5.3		-0.3		8/11/2020 7:43		8860F30C0DE	
PRECISION MEASUREMENT		CAL GAS SERIAL NUMBER		CAL GAS TYPE		CAL GAS CONCENTRATION (ppmv)		MEASURED CONCENTRATION (ppmv)		DIFFERENCE (ppmv)		DIFFERENCE (%)		ZERO AIR PPM		8860F30C0DE	
PRECISION MEASUREMENT		500		CH4 (Methane)		500		498.4		-1.6		-0.3		0		8/11/2020 7:44	
PRECISION MEASUREMENT		500		CH4 (Methane)		500		495.2		-4.8		-1		0		8/11/2020 7:44	
PRECISION MEASUREMENT		500		CH4 (Methane)		500		497.3		-2.7		-0.5		0		8/11/2020 7:44	
MONITOR TYPE		CAL GAS SERIAL NUMBER		CAL GAS TYPE		CAL GAS CONCENTRATION (ppmv)		TARGET CONCENTRATION (ppmv)		INITIAL CONCENTRATION (ppmv)		RESPONSE TIME (seconds)		TIMESTAMP		INSTRUMENT ID	
RESPONSE TIME MEASUREMENT		500		CH4 (Methane)		500		472.1		0		4		8/11/2020 7:45		8860F30C0DE	
RESPONSE TIME MEASUREMENT		500		CH4 (Methane)		500		472.1		0		7		8/11/2020 7:45		8860F30C0DE	
RESPONSE TIME MEASUREMENT		500		CH4 (Methane)		500		472.1		0		5		8/11/2020 7:45		8860F30C0DE	
MONITOR TYPE		OPERATOR NAME		INSTRUMENT ID		FILE SAVE TIME		AVG PRECISION (%)		AVG RESPONSE TIME (SECONDS)		DIFFERENCE (%)		TIMESTAMP		INSTRUMENT ID	
VERIFICATION SUMMARY		Field Solutions, Inc.		8860F62C147		8/12/2020 7:36		-0.6		5		-0.4		8/12/2020 7:33		8860F62C147	
PRECISION MEASUREMENT		CAL GAS SERIAL NUMBER		CAL GAS TYPE		CAL GAS CONCENTRATION (ppmv)		MEASURED CONCENTRATION (ppmv)		DIFFERENCE (ppmv)		DIFFERENCE (%)		ZERO AIR PPM		8860F62C147	
PRECISION MEASUREMENT		500		CH4 (Methane)		500		498.1		-1.9		-0.4		0		8/12/2020 7:34	
PRECISION MEASUREMENT		500		CH4 (Methane)		500		496		-4		-0.8		0		8/12/2020 7:34	
PRECISION MEASUREMENT		500		CH4 (Methane)		500		496.3		-3.7		-0.7		0		8/12/2020 7:34	
MONITOR TYPE		CAL GAS SERIAL NUMBER		CAL GAS TYPE		CAL GAS CONCENTRATION (ppmv)		TARGET CONCENTRATION (ppmv)		INITIAL CONCENTRATION (ppmv)		RESPONSE TIME (seconds)		TIMESTAMP		INSTRUMENT ID	
RESPONSE TIME MEASUREMENT		500		CH4 (Methane)		500		472		0		5		8/12/2020 7:35		8860F62C147	
RESPONSE TIME MEASUREMENT		500		CH4 (Methane)		500		472		0		5		8/12/2020 7:35		8860F62C147	
RESPONSE TIME MEASUREMENT		500		CH4 (Methane)		500		472		0		5		8/12/2020 7:35		8860F62C147	
MONITOR TYPE		OPERATOR NAME		INSTRUMENT ID		FILE SAVE TIME		AVG PRECISION (%)		AVG RESPONSE TIME (SECONDS)		DIFFERENCE (%)		TIMESTAMP		INSTRUMENT ID	
VERIFICATION SUMMARY		Field Solutions, Inc.		8860F30C0DE		8/12/2020 7:42		-1.3		6		-1.1		8/12/2020 7:40		8860F30C0DE	
PRECISION MEASUREMENT		CAL GAS SERIAL NUMBER		CAL GAS TYPE		CAL GAS CONCENTRATION (ppmv)		MEASURED CONCENTRATION (ppmv)		DIFFERENCE (ppmv)		DIFFERENCE (%)		ZERO AIR PPM		8860F30C0DE	
PRECISION MEASUREMENT		500		CH4 (Methane)		500		494.6		-5.4		-1.1		0		8/12/2020 7:41	
PRECISION MEASUREMENT		500		CH4 (Methane)		500		492.1		-7.9		-1.6		0		8/12/2020 7:41	
PRECISION MEASUREMENT		500		CH4 (Methane)		500		493.2		-6.8		-1.4		0		8/12/2020 7:41	
MONITOR TYPE		CAL GAS SERIAL NUMBER		CAL GAS TYPE		CAL GAS CONCENTRATION (ppmv)		TARGET CONCENTRATION (ppmv)		INITIAL CONCENTRATION (ppmv)		RESPONSE TIME (seconds)		TIMESTAMP		INSTRUMENT ID	
RESPONSE TIME MEASUREMENT		500		CH4 (Methane)		500		488.6		0		6		8/12/2020 7:41		8860F30C0DE	
RESPONSE TIME MEASUREMENT		500		CH4 (Methane)		500		488.6		0		6		8/12/2020 7:42		8860F30C0DE	
RESPONSE TIME MEASUREMENT		500		CH4 (Methane)		500		488.6		0		6		8/12/2020 7:42		8860F30C0DE	

MONITOR TYPE		OPERATOR NAME		INSTRUMENT ID		FILE SAVE TIME		AVG PRECISION (%)		AVG RESPONSE TIME (SECONDS)		DIFFERENCE (%)		ZERO AIR PPM		TIMESTAMP		INSTRUMENT ID	
VERIFICATION SUMMARY		Field Solutions, Inc.		8860FA6E68F		8/12/2020 7:47		-1.1		4.7		-1.2		0		8/12/2020 7:45		8860FA6E68F	
PRECISION MEASUREMENT		CAL GAS SERIAL NUMBER		CAL GAS TYPE		CAL GAS CONCENTRATION (ppmv)		MEASURED CONCENTRATION (ppmv)		DIFFERENCE (ppmv)		DIFFERENCE (%)		0		8/12/2020 7:45		8860FA6E68F	
PRECISION MEASUREMENT		C44 (Methane)		C44 (Methane)		500		493.9		-6.1		-1.2		0		8/12/2020 7:45		8860FA6E68F	
PRECISION MEASUREMENT		C44 (Methane)		C44 (Methane)		500		494.1		-5.9		-1.2		0		8/12/2020 7:46		8860FA6E68F	
PRECISION MEASUREMENT		C44 (Methane)		C44 (Methane)		500		495		-5		-1		0		8/12/2020 7:46		8860FA6E68F	
RESPONSE TIME MEASUREMENT		CAL GAS SERIAL NUMBER		CAL GAS TYPE		CAL GAS CONCENTRATION (ppmv)		TARGET CONCENTRATION (ppmv)		INITIAL CONCENTRATION (ppmv)		RESPONSE TIME (seconds)		TIMESTAMP		INSTRUMENT ID		8860FA6E68F	
RESPONSE TIME MEASUREMENT		C44 (Methane)		C44 (Methane)		500		468.6		0		4		8/12/2020 7:46		8860FA6E68F		8860FA6E68F	
RESPONSE TIME MEASUREMENT		C44 (Methane)		C44 (Methane)		500		468.6		0		6		8/12/2020 7:46		8860FA6E68F		8860FA6E68F	
RESPONSE TIME MEASUREMENT		C44 (Methane)		C44 (Methane)		500		468.6		0		4		8/12/2020 7:47		8860FA6E68F		8860FA6E68F	
MONITOR TYPE		OPERATOR NAME		INSTRUMENT ID		FILE SAVE TIME		AVG PRECISION (%)		AVG RESPONSE TIME (SECONDS)		DIFFERENCE (%)		ZERO AIR PPM		TIMESTAMP		INSTRUMENT ID	
VERIFICATION SUMMARY		Field Solutions, Inc.		8860FA6E68F		8/13/2020 7:45		-0.3		4.3		0.1		0		8/13/2020 7:41		8860FA6E68F	
PRECISION MEASUREMENT		CAL GAS SERIAL NUMBER		CAL GAS TYPE		CAL GAS CONCENTRATION (ppmv)		MEASURED CONCENTRATION (ppmv)		DIFFERENCE (ppmv)		DIFFERENCE (%)		0		8/13/2020 7:42		8860FA6E68F	
PRECISION MEASUREMENT		C44 (Methane)		C44 (Methane)		500		488		-2		-0.4		0		8/13/2020 7:43		8860FA6E68F	
PRECISION MEASUREMENT		C44 (Methane)		C44 (Methane)		500		487		-3		-0.6		0		8/13/2020 7:43		8860FA6E68F	
RESPONSE TIME MEASUREMENT		CAL GAS SERIAL NUMBER		CAL GAS TYPE		CAL GAS CONCENTRATION (ppmv)		TARGET CONCENTRATION (ppmv)		INITIAL CONCENTRATION (ppmv)		RESPONSE TIME (seconds)		TIMESTAMP		INSTRUMENT ID		8860FA6E68F	
RESPONSE TIME MEASUREMENT		C44 (Methane)		C44 (Methane)		500		473.6		0		4		8/13/2020 7:44		8860FA6E68F		8860FA6E68F	
RESPONSE TIME MEASUREMENT		C44 (Methane)		C44 (Methane)		500		473.6		0		4		8/13/2020 7:44		8860FA6E68F		8860FA6E68F	
RESPONSE TIME MEASUREMENT		C44 (Methane)		C44 (Methane)		500		473.6		0		5		8/13/2020 7:45		8860FA6E68F		8860FA6E68F	
MONITOR TYPE		OPERATOR NAME		INSTRUMENT ID		FILE SAVE TIME		AVG PRECISION (%)		AVG RESPONSE TIME (SECONDS)		DIFFERENCE (%)		ZERO AIR PPM		TIMESTAMP		INSTRUMENT ID	
VERIFICATION SUMMARY		Field Solutions, Inc.		8860FA6E68F		8/13/2020 7:47		0.5		5.7		0.4		0		8/13/2020 7:45		8860FA6E68F	
PRECISION MEASUREMENT		CAL GAS SERIAL NUMBER		CAL GAS TYPE		CAL GAS CONCENTRATION (ppmv)		MEASURED CONCENTRATION (ppmv)		DIFFERENCE (ppmv)		DIFFERENCE (%)		0		8/13/2020 7:45		8860FA6E68F	
PRECISION MEASUREMENT		C44 (Methane)		C44 (Methane)		500		502.2		2.2		0.4		0		8/13/2020 7:45		8860FA6E68F	
PRECISION MEASUREMENT		C44 (Methane)		C44 (Methane)		500		504.1		4.1		0.8		0		8/13/2020 7:45		8860FA6E68F	
PRECISION MEASUREMENT		C44 (Methane)		C44 (Methane)		500		501.8		1.8		0.4		0		8/13/2020 7:46		8860FA6E68F	
RESPONSE TIME MEASUREMENT		CAL GAS SERIAL NUMBER		CAL GAS TYPE		CAL GAS CONCENTRATION (ppmv)		TARGET CONCENTRATION (ppmv)		INITIAL CONCENTRATION (ppmv)		RESPONSE TIME (seconds)		TIMESTAMP		INSTRUMENT ID		8860FA6E68F	
RESPONSE TIME MEASUREMENT		C44 (Methane)		C44 (Methane)		500		477.6		0		5		8/13/2020 7:46		8860FA6E68F		8860FA6E68F	
RESPONSE TIME MEASUREMENT		C44 (Methane)		C44 (Methane)		500		477.6		0		6		8/13/2020 7:46		8860FA6E68F		8860FA6E68F	
RESPONSE TIME MEASUREMENT		C44 (Methane)		C44 (Methane)		500		477.6		0		6		8/13/2020 7:47		8860FA6E68F		8860FA6E68F	
MONITOR TYPE		OPERATOR NAME		INSTRUMENT ID		FILE SAVE TIME		AVG PRECISION (%)		AVG RESPONSE TIME (SECONDS)		DIFFERENCE (%)		ZERO AIR PPM		TIMESTAMP		INSTRUMENT ID	
VERIFICATION SUMMARY		Field Solutions, Inc.		8860FA6E68F		8/13/2020 7:52		-1.7		5.7		-0.8		1.1		8/13/2020 7:50		8860FA6E68F	
PRECISION MEASUREMENT		CAL GAS SERIAL NUMBER		CAL GAS TYPE		CAL GAS CONCENTRATION (ppmv)		MEASURED CONCENTRATION (ppmv)		DIFFERENCE (ppmv)		DIFFERENCE (%)		0		8/13/2020 7:50		8860FA6E68F	
PRECISION MEASUREMENT		C44 (Methane)		C44 (Methane)		500		495.8		-4.2		-0.8		0		8/13/2020 7:50		8860FA6E68F	
PRECISION MEASUREMENT		C44 (Methane)		C44 (Methane)		500		490.6		-9.4		-1.9		0		8/13/2020 7:51		8860FA6E68F	
PRECISION MEASUREMENT		C44 (Methane)		C44 (Methane)		500		488.5		-11.5		-2.3		0		8/13/2020 7:51		8860FA6E68F	
RESPONSE TIME MEASUREMENT		CAL GAS SERIAL NUMBER		CAL GAS TYPE		CAL GAS CONCENTRATION (ppmv)		TARGET CONCENTRATION (ppmv)		INITIAL CONCENTRATION (ppmv)		RESPONSE TIME (seconds)		TIMESTAMP		INSTRUMENT ID		8860FA6E68F	
RESPONSE TIME MEASUREMENT		C44 (Methane)		C44 (Methane)		500		467.1		0		5		8/13/2020 7:51		8860FA6E68F		8860FA6E68F	
RESPONSE TIME MEASUREMENT		C44 (Methane)		C44 (Methane)		500		467.1		0		5		8/13/2020 7:51		8860FA6E68F		8860FA6E68F	
RESPONSE TIME MEASUREMENT		C44 (Methane)		C44 (Methane)		500		467.1		3.9		7		8/13/2020 7:52		8860FA6E68F		8860FA6E68F	
MONITOR TYPE		OPERATOR NAME		INSTRUMENT ID		FILE SAVE TIME		AVG PRECISION (%)		AVG RESPONSE TIME (SECONDS)		DIFFERENCE (%)		ZERO AIR PPM		TIMESTAMP		INSTRUMENT ID	
VERIFICATION SUMMARY		Field Solutions, Inc.		000780DABAC4		8/13/2020 7:53		-0.5		5.7		-0.3		0		8/13/2020 7:49		000780DABAC4	
PRECISION MEASUREMENT		CAL GAS SERIAL NUMBER		CAL GAS TYPE		CAL GAS CONCENTRATION (ppmv)		MEASURED CONCENTRATION (ppmv)		DIFFERENCE (ppmv)		DIFFERENCE (%)		0		8/13/2020 7:49		000780DABAC4	
PRECISION MEASUREMENT		C44 (Methane)		C44 (Methane)		500		498.3		-1.7		-0.3		0		8/13/2020 7:50		000780DABAC4	
PRECISION MEASUREMENT		C44 (Methane)		C44 (Methane)		500		496.9		-3.1		-0.6		0		8/13/2020 7:50		000780DABAC4	
PRECISION MEASUREMENT		C44 (Methane)		C44 (Methane)		500		497.5		-2.5		-0.5		0		8/13/2020 7:50		000780DABAC4	
RESPONSE TIME MEASUREMENT		CAL GAS SERIAL NUMBER		CAL GAS TYPE		CAL GAS CONCENTRATION (ppmv)		TARGET CONCENTRATION (ppmv)		INITIAL CONCENTRATION (ppmv)		RESPONSE TIME (seconds)		TIMESTAMP		INSTRUMENT ID		000780DABAC4	
RESPONSE TIME MEASUREMENT		C44 (Methane)		C44 (Methane)		500		472.7		0		6		8/13/2020 7:53		000780DABAC4		000780DABAC4	
RESPONSE TIME MEASUREMENT		C44 (Methane)		C44 (Methane)		500		472.7		0		6		8/13/2020 7:53		000780DABAC4		000780DABAC4	
RESPONSE TIME MEASUREMENT		C44 (Methane)		C44 (Methane)		500		472.7		0		5		8/13/2020 7:53		000780DABAC4		000780DABAC4	

MONITOR TYPE		OPERATOR NAME		INSTRUMENT ID		FILE SAVE TIME		AVG PRECISION (%)		AVG RESPONSE TIME (SECONDS)		DIFFERENCE (%)		ZERO AIR PPM		TIMESTAMP		INSTRUMENT ID	
VERIFICATION SUMMARY		Field Solutions, Inc.		8860PAGE68F		8/14/2020 11:06		-0.7		6.7						8/14/2020 11:06		8860PAGE68F	
MONITOR TYPE		CAL GAS SERIAL NUMBER		CAL GAS TYPE		CAL GAS CONCENTRATION (ppmv)		MEASURED CONCENTRATION (ppmv)		DIFFERENCE (ppmv)		DIFFERENCE (%)		ZERO AIR PPM		TIMESTAMP		INSTRUMENT ID	
PRECISION MEASUREMENT		C44 (Methane)		C44 (Methane)		500		499.7		-0.3		-0.2		0		8/14/2020 11:06		8860PAGE68F	
PRECISION MEASUREMENT		C44 (Methane)		C44 (Methane)		500		494.7		-5.3		-1.1		0		8/14/2020 11:06		8860PAGE68F	
PRECISION MEASUREMENT		C44 (Methane)		C44 (Methane)		500		495.1		-4.9		-1		0		8/14/2020 11:07		8860PAGE68F	
MONITOR TYPE		CAL GAS SERIAL NUMBER		CAL GAS TYPE		CAL GAS CONCENTRATION (ppmv)		TARGET CONCENTRATION (ppmv)		INITIAL CONCENTRATION (ppmv)		RESPONSE TIME (seconds)		TIMESTAMP		INSTRUMENT ID		INSTRUMENT ID	
RESPONSE TIME MEASUREMENT		C44 (Methane)		C44 (Methane)		500		471.4		0		5		8/14/2020 11:07		8860PAGE68F		8860PAGE68F	
RESPONSE TIME MEASUREMENT		C44 (Methane)		C44 (Methane)		500		471.4		0		6		8/14/2020 11:07		8860PAGE68F		8860PAGE68F	
RESPONSE TIME MEASUREMENT		C44 (Methane)		C44 (Methane)		500		471.4		0		9		8/14/2020 11:08		8860PAGE68F		8860PAGE68F	
MONITOR TYPE		OPERATOR NAME		INSTRUMENT ID		FILE SAVE TIME		AVG PRECISION (%)		AVG RESPONSE TIME (SECONDS)		DIFFERENCE (%)		ZERO AIR PPM		TIMESTAMP		INSTRUMENT ID	
VERIFICATION SUMMARY		Field Solutions, Inc.		8860PAGE68F		8/19/2020 8:03		-1.1		6						8/19/2020 8:01		8860PAGE68F	
MONITOR TYPE		CAL GAS SERIAL NUMBER		CAL GAS TYPE		CAL GAS CONCENTRATION (ppmv)		MEASURED CONCENTRATION (ppmv)		DIFFERENCE (ppmv)		DIFFERENCE (%)		ZERO AIR PPM		TIMESTAMP		INSTRUMENT ID	
PRECISION MEASUREMENT		C44 (Methane)		C44 (Methane)		500		493.5		-6.5		-1.2		0		8/19/2020 8:01		8860PAGE68F	
PRECISION MEASUREMENT		C44 (Methane)		C44 (Methane)		500		494.1		-5.9		-0.9		0		8/19/2020 8:02		8860PAGE68F	
PRECISION MEASUREMENT		C44 (Methane)		C44 (Methane)		500		495.7		-4.3		-0.9		1		8/19/2020 8:02		8860PAGE68F	
MONITOR TYPE		CAL GAS SERIAL NUMBER		CAL GAS TYPE		CAL GAS CONCENTRATION (ppmv)		TARGET CONCENTRATION (ppmv)		INITIAL CONCENTRATION (ppmv)		RESPONSE TIME (seconds)		TIMESTAMP		INSTRUMENT ID		INSTRUMENT ID	
RESPONSE TIME MEASUREMENT		C44 (Methane)		C44 (Methane)		500		469.7		0		5		8/19/2020 8:02		8860PAGE68F		8860PAGE68F	
RESPONSE TIME MEASUREMENT		C44 (Methane)		C44 (Methane)		500		469.7		0		8		8/19/2020 8:02		8860PAGE68F		8860PAGE68F	
RESPONSE TIME MEASUREMENT		C44 (Methane)		C44 (Methane)		500		469.7		0		5		8/19/2020 8:03		8860PAGE68F		8860PAGE68F	
MONITOR TYPE		OPERATOR NAME		INSTRUMENT ID		FILE SAVE TIME		AVG PRECISION (%)		AVG RESPONSE TIME (SECONDS)		DIFFERENCE (%)		ZERO AIR PPM		TIMESTAMP		INSTRUMENT ID	
VERIFICATION SUMMARY		Field Solutions, Inc.		8860PAGE68F		8/20/2020 7:40		-0.7		5.3						8/20/2020 7:38		8860PAGE68F	
MONITOR TYPE		CAL GAS SERIAL NUMBER		CAL GAS TYPE		CAL GAS CONCENTRATION (ppmv)		MEASURED CONCENTRATION (ppmv)		DIFFERENCE (ppmv)		DIFFERENCE (%)		ZERO AIR PPM		TIMESTAMP		INSTRUMENT ID	
PRECISION MEASUREMENT		C44 (Methane)		C44 (Methane)		500		495.8		-4.2		-0.8		0		8/20/2020 7:38		8860PAGE68F	
PRECISION MEASUREMENT		C44 (Methane)		C44 (Methane)		500		486		-4		-0.8		0		8/20/2020 7:38		8860PAGE68F	
PRECISION MEASUREMENT		C44 (Methane)		C44 (Methane)		500		497		-3		-0.6		0		8/20/2020 7:38		8860PAGE68F	
MONITOR TYPE		CAL GAS SERIAL NUMBER		CAL GAS TYPE		CAL GAS CONCENTRATION (ppmv)		TARGET CONCENTRATION (ppmv)		INITIAL CONCENTRATION (ppmv)		RESPONSE TIME (seconds)		TIMESTAMP		INSTRUMENT ID		INSTRUMENT ID	
RESPONSE TIME MEASUREMENT		C44 (Methane)		C44 (Methane)		500		471.5		0		6		8/20/2020 7:39		8860PAGE68F		8860PAGE68F	
RESPONSE TIME MEASUREMENT		C44 (Methane)		C44 (Methane)		500		471.5		0		5		8/20/2020 7:39		8860PAGE68F		8860PAGE68F	
RESPONSE TIME MEASUREMENT		C44 (Methane)		C44 (Methane)		500		471.5		0		5		8/20/2020 7:39		8860PAGE68F		8860PAGE68F	
MONITOR TYPE		OPERATOR NAME		INSTRUMENT ID		FILE SAVE TIME		AVG PRECISION (%)		AVG RESPONSE TIME (SECONDS)		DIFFERENCE (%)		ZERO AIR PPM		TIMESTAMP		INSTRUMENT ID	
VERIFICATION SUMMARY		Field Solutions, Inc.		8860PAGE68F		9/11/2020 7:40		-1		4.7						9/11/2020 7:38		8860PAGE68F	
MONITOR TYPE		CAL GAS SERIAL NUMBER		CAL GAS TYPE		CAL GAS CONCENTRATION (ppmv)		MEASURED CONCENTRATION (ppmv)		DIFFERENCE (ppmv)		DIFFERENCE (%)		ZERO AIR PPM		TIMESTAMP		INSTRUMENT ID	
PRECISION MEASUREMENT		C44 (Methane)		C44 (Methane)		500		495.1		-4.9		-1		0		9/11/2020 7:39		8860PAGE68F	
PRECISION MEASUREMENT		C44 (Methane)		C44 (Methane)		500		495.1		-4.9		-1		0		9/11/2020 7:39		8860PAGE68F	
PRECISION MEASUREMENT		C44 (Methane)		C44 (Methane)		500		495		-5		-1		2.2		9/11/2020 7:39		8860PAGE68F	
MONITOR TYPE		CAL GAS SERIAL NUMBER		CAL GAS TYPE		CAL GAS CONCENTRATION (ppmv)		TARGET CONCENTRATION (ppmv)		INITIAL CONCENTRATION (ppmv)		RESPONSE TIME (seconds)		TIMESTAMP		INSTRUMENT ID		INSTRUMENT ID	
RESPONSE TIME MEASUREMENT		C44 (Methane)		C44 (Methane)		500		470.3		0		5		9/11/2020 7:40		8860PAGE68F		8860PAGE68F	
RESPONSE TIME MEASUREMENT		C44 (Methane)		C44 (Methane)		500		470.3		0		5		9/11/2020 7:40		8860PAGE68F		8860PAGE68F	
RESPONSE TIME MEASUREMENT		C44 (Methane)		C44 (Methane)		500		470.3		0		4		9/11/2020 7:40		8860PAGE68F		8860PAGE68F	

# APPENDIX E

## Weather Data



Date/Time	Temperature (°F)	Average Wind Speed (mph)	Wind Direction	Sky Condition	Precipitation
8/10/2020 7:46	62	2	North-East	Partly Cloudy	None
8/10/20 7:50	62	3	East	Clear	None
8/10/2020 7:53	63	3	East	Clear	None
8/11/2020 7:45	61	4	South-East	Clear	None
8/11/20 7:47	61	4	South-East	Clear	None
8/11/2020 7:49	60	5	South-East	Clear	None
8/11/2020 7:59	61	2	South-East	Partly Cloudy	None
8/11/2020 10:33	70	4	West	Clear	None
8/12/20 7:49	63	1	East	Mostly Cloudy	None
8/12/2020 8:00	62	2	South-East	Mostly Cloudy	None
8/12/2020 8:08	62	2	East	Overcast	None
8/13/2020 8:06	64	2	North-East	Clear	None
8/13/2020 8:09	64	2	North	Partly Cloudy	None
8/13/2020 8:10	64	2	North	Partly Cloudy	None
8/13/20 8:15	67	1	South-East	Clear	None
8/14/2020 11:08	84	2	North-East	Clear	None
8/19/2020 8:06	72	1	North-West	Clear	None
8/19/2020 9:36	77	1	West	Clear	None
8/20/2020 7:51	63	3	North-West	Clear	None
9/1/2020 7:41	59	3	South-East	Overcast	None
9/1/2020 9:45	63	5	South-East	Clear	None

Field Solutions, Inc. portable wind meter

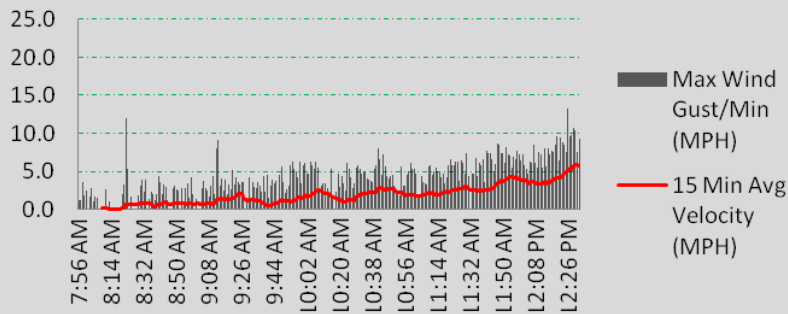
# APPENDIX F

## Wind Speed Data



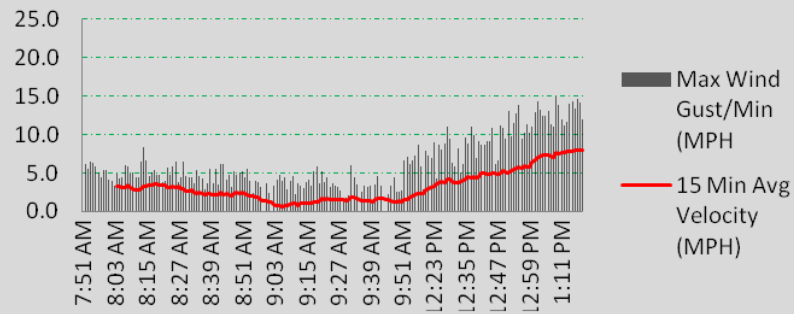
### Wind Log - Newby Island Landfill

August 10, 2020



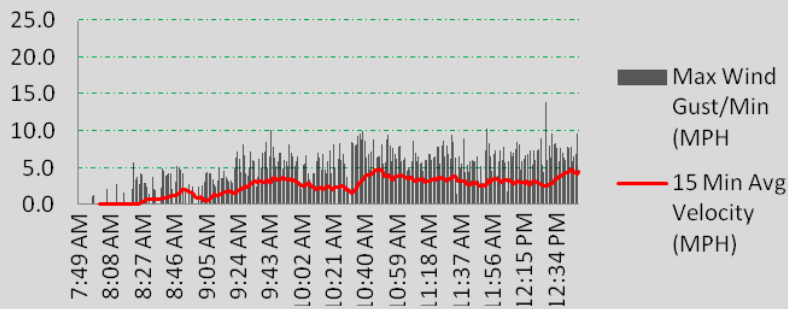
### Wind Log - Newby Island Landfill

August 11, 2020



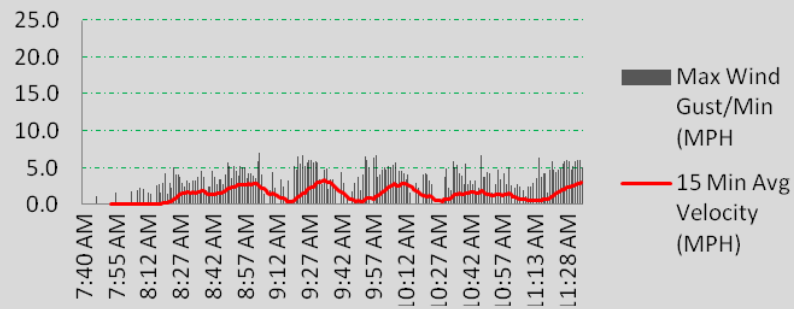
### Wind Log - Newby Island Landfill

August 12, 2020



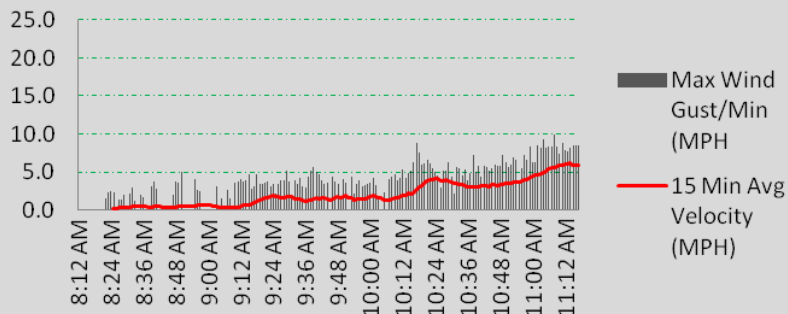
### Wind Log - Newby Island Landfill

August 13, 2020



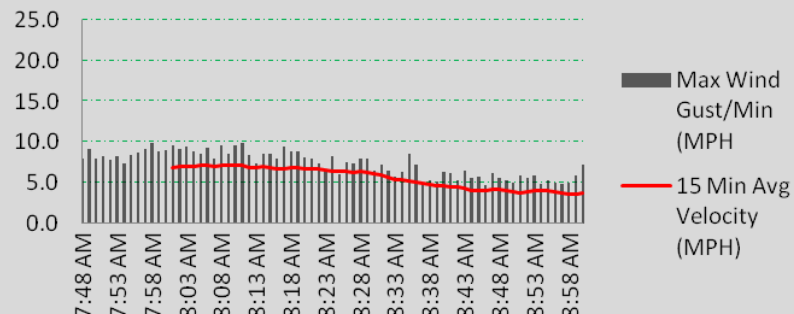
### Wind Log - Newby Island Landfill

August 19, 2020



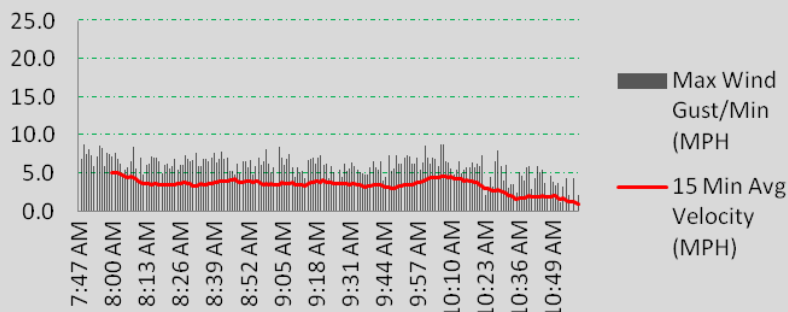
### Wind Log - Newby Island Landfill

August 20, 2020



### Wind Log - Newby Island Landfill

September 1, 2020









# Newby Island Sanitary Landfill and Recyclery

Quarterly Surface Emissions Monitoring Report – Fourth Quarter 2020





January 12, 2021

**Mr. Tony Boccaleoni**  
**Ms. Rachelle Huber**  
**Republic Services**  
Newby Island Sanitary Landfill and Recycling  
1601 Dixon Landing Road  
Milpitas, CA 95035

Subject: Fourth Quarter 2020 Surface Emissions Monitoring Results for the  
Newby Island Sanitary Landfill and Recycling, Milpitas, CA

Dear Mr. Boccaleoni and Ms. Huber:

This report provides results of the Fourth Quarter 2020 New Source Performance Standards (NSPS) and California Air Resources Board (CARB) Landfill Methane Rule (LMR) surface emissions monitoring (SEM) performed by Tetra Tech at the Newby Island Landfill. All work was performed in accordance with Republic Standard Operating Procedures (SOP), NSPS and LMR requirements.

## **SUMMARY AND CONCLUSIONS**

As stipulated in the LMR, if uncorrectable exceedances within the 10-day limitation are detected or emissions are discovered during an inspection by Regulatory Agencies, the landfill must perform monitoring on a 25-foot pathway on a quarterly basis for active disposal sites. If four (4) consecutive quarters of monitoring are performed without any exceedances, as stipulated in the LMR, the landfill may increase the spacing to 100-foot pathways. Therefore, based on the previous monitoring events, in which exceedances were observed, the monitoring at the Newby Island Sanitary Landfill and Recycling was performed on 25-foot pathways in accordance with the LMR.

As required by the LMR, the landfill was divided into 50,000 square foot or less (partial) areas. The Newby Island Sanitary Landfill and Recycling surface area was, therefore, divided into 276 individual grids as shown in Appendix A.

The Fourth Quarter 2020 SEM testing results indicated two (2) exceedances of the LMR integrated threshold limit of 25 parts per million by volume (ppmv) as measured as methane above background and twenty-one (21) locations that exceeded the NSPS (Grids) and LMR (Grids and Penetrations) instantaneous threshold limit of 500 ppmv during the initial monitoring events. System adjustments and repair work was performed by Tetra Tech and site personnel. Re-monitoring indicated there were zero (0) grids with remaining integrated exceedances and zero (0) grids with remaining instantaneous exceedances as of the end of the quarter. These results are discussed in a subsequent section of this report.



Additionally, during this event, some grids were not monitored as these areas were deemed unsafe by Tetra Tech and site personnel for entry due to active filling operations or soil management operations, which could cause a potential for injury of monitoring personnel as follows:

- Full grids 31, 36, 37, 38, 40, 41, 42, 44, 45, 46, 50, 51, 52, 55, 56, 58, 59, 60, 64, 65, 66, 68, 69, 70, 75, 76, 77, 79, 80, 81, 84, 85, 86, 88, 89, 90, 95, 96, 97, 99, 100, 101, 104, 105, 106, 108, 109, 110, 111, 115, 116, 117, 118, 119, 120, 121, 122, 126, 127, 128, 129, 130, 131, 132, 133, 137, 138, 139, 140, 141, 142, 143, 147, 148, 149, 150, 151, 152, 153, 158, 159, 160, 161, 162, 163, 168, 169, 170, 171, 172, 173, 174, 179, 180, 181, 182, 183, 184, 189, 190, 191, 192, 193, 194, 195, 199, 200, 201, 202, 203, 204, 205, 206, 210, 211, 212, 213, 214, 215, 219, 220, 221, 222, 223, 224, 228, 229, 230, 231, 232, 233, 234, 235, 238, 239, 240, 241, 242, 245, 246, 247, 248, 250, 251, 252, 253, 254, 255, 258, 260, 263, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, and 277 were not monitored due to active construction, heavy equipment traffic, or steep slopes (steeper than 33.5 percent or 18 degrees) which resulted in unsafe conditions (see Appendix A).
- Partial grids 32, 33, 35, 43, 49, 57, 67, 78, 87, 98, 102, 107, 123, 134, 144, 154, 155, 164, 165, 175, 176, 185, 186, 196, 207, 216, 225, 236, 239, 243, 249, 256, 259, 261, and 264 were not monitored due to active construction, heavy equipment traffic, or steep slopes (steeper than 33.5 percent or 18 degrees) which resulted in unsafe conditions (see Appendix A).

Areas consisting of native soil (no waste in place) were also exempted from monitoring, in accordance with the LMR.

Any wells located in grids noted as exempt from monitoring due to health and safety concerns that remained accessible were monitored on an as-needed basis.

The area noted as "SSO Event" was not monitored during the Fourth Quarter 2020 due to ongoing remediation activities and heavy equipment use following a subsurface oxidation (SSO) event that occurred on May 2, 2020 and was inaccessible due to ongoing remediation efforts. The area was cordoned off and inaccessible to Tetra Tech technicians due to health and safety concerns.

Excluded areas are provided on the field map in Appendix A.

Further, as required under the LMR, any location on the landfill that has an observed instantaneous methane concentration greater than or equal to 500 ppmv, must be stake-marked and Global Positioning System (GPS) located on a site figure. When concentrations greater than or equal to 500 ppmv are observed during monitoring events, they are reported to site personnel and included in the quarterly report for that event for inclusion into the annual report as required.

Locations with concentrations between 200 ppmv and 499 ppmv are for reporting purposes only and require no remediation, as they are not an exceedance. Twenty-eight (28) locations were found during the monitoring between the LMR (Grids and Penetrations) instantaneous recording levels of 200 ppmv to 499 ppmv.

Finally, to help prevent potential future exceedances, Tetra Tech recommends that the landfill surface be routinely inspected, any observed surface erosion be routinely repaired, and flowrates to the destruction devices be maximized.

## **BACKGROUND**

The Newby Island Sanitary Landfill and Recyclery is an active organic refuse disposal site. By way of background, organic materials buried in a landfill decompose anaerobically (in the absence of oxygen) producing a combustible gas, which contains approximately 50 to 60 percent methane, 40 to 50 percent carbon dioxide, and trace amounts of various other gases, some of which are odorous. The Newby Island Landfill property contains a Gas Collection and Control System (GCCS) to control the combustible gases generated in the landfill that may otherwise either vent vertically to the atmosphere or migrate horizontally through subsurface soil to locations on adjacent properties.

## **SURFACE EMISSIONS MONITORING**

Instantaneous and integrated SEM was performed over the surface of the subject site on October 26, 27, 28, and 29, 2020 and November 5 and 17, 2020. The intent of the monitoring was to identify any specific locations or areas of the landfill surface with organic compound concentrations exceeding the NSPS and/or LMR threshold limit values of 500 ppmv measured as methane for instantaneous monitoring, or an average methane concentration of 25 ppmv for the integrated monitoring in the 50,000 square foot grids as required under the LMR. During this event Tetra Tech performed the monitoring on 25-foot pathways in all accessible areas, in accordance with the rules as required.

## **EMISSIONS TESTING INSTRUMENTATION/CALIBRATION**

Instruments used to perform the landfill surface emission testing consisted of the following:

- Trimble SiteFID Landfill Gas Monitor Portable Flame Ionization Detector (FID). This instrument measures methane in air over a range of 1 to 50,000 ppmv. The SiteFID meets the State CARB requirements for combined instantaneous and integrated monitoring and was calibrated in accordance with United States Environmental Protection Agency (US EPA) Method 21 and manufacturers specifications.
- A portable wind data logger by Secure Digital is used to monitor and log wind speeds while performing emissions monitoring. Field observations and local weather station information is used to track weather conditions and rain events.

Instrument calibration logs and instantaneous weather information are shown in Appendix D and F.

## **SURFACE EMISSIONS MONITORING PROCEDURES**

Instantaneous and integrated SEM was conducted in accordance with NSPS and LMR requirements. Monitoring was performed with the FID inlet held within 2 inches of the landfill surface while a technician walked a grid in parallel paths not more than 25-feet apart over the surface of the landfill unless site safety conditions or prior monitoring results allowed 100-foot pathways. Cracks, holes and all cover penetrations in the surface were also tested. Instantaneous surface emissions readings were monitored continuously and recorded every 5 seconds. Any areas in exceedance of the 200 or 500 ppmv standards (reporting and compliance levels, respectively) were GPS tagged, any locations exceeding the 500 ppmv standard were also stake-marked for on-site personnel to perform remediation or repairs.

The integrated average is based on the readings stored on the instrument which are recorded every 5 seconds. The readings are then downloaded, and the averages are calculated for each grid using software provided by the instrument manufacturer. The readings are not provided in the report due to the volume of data but can be furnished upon request.

Recorded wind speed results are shown in Appendix F. Wind speed 15-minute averages were observed to remain below the compliance threshold of 5 miles per hour (based on 60 second intervals), and instantaneous wind speeds were observed to remain below the compliance threshold of 10 miles per hour during the testing. During instances when elevated wind speeds were detected, monitoring was terminated when average wind speeds exceeded 5 miles per hour and when instantaneous wind speeds exceeded 10 miles per hour until observed below the limits. No rainfall occurred during or within 72 hours of monitoring. Therefore, site meteorological conditions were within the requested alternatives of the LMR requirements on the above-mentioned dates.

## TESTING RESULTS

During this SEM event, Tetra Tech performed the monitoring on 25-foot pathways in accordance with the rules as required under the LMR and NSPS. The intent of the monitoring was to identify any specific locations or areas of the landfill surface with organic compound concentrations exceeding the NSPS and/or LMR threshold limit values of 500 ppmv measured as methane for instantaneous monitoring, or an average methane concentration of 25 ppmv for the integrated monitoring.

During the initial monitoring events on October 26, 27, 28, and 29, 2020 there were two (2) exceedances of the LMR integrated threshold limit of 25 ppmv as measured as methane above background and twenty-one (21) locations that exceeded the NSPS (Grids) and LMR (Grids and Penetrations) instantaneous threshold limit of 500 ppmv. System adjustments and repair work (repair of penetration, vacuum increases to nearby extraction wells and re-compaction of soil) was performed by site personnel. The subsequent 10-day re-monitoring event which was conducted on November 5, 2020 indicated twenty-one (21) locations with instantaneous exceedances had returned to compliance. Two (2) integrated grids were not re-monitored during both the first and the second 10-day re-monitoring events as they were located in the construction areas.

Follow-up monitoring was conducted for the one-month re-monitoring event on November 17, 2020. All areas of initial instantaneous exceedances were re-monitored during these times following additional abatement activities by site personnel. After the one-month confirmation re-monitoring event, zero (0) instantaneous locations remained above the LMR thresholds of compliance. Based on these results, no further monitoring is required until the First Quarter of 2021. Results of the monitoring are shown in Appendix B and C (Tables 1, 2, and 3). Calibration logs for the monitoring equipment are provided in Appendix D.

Furthermore, as required by the NSPS for surface emissions, the landfill perimeter was walked and tested. Results of this testing indicated that no exceedances of the 500 ppmv limit were observed, therefore the site perimeter was in compliance with the requirements of the rule.

As mentioned previously in this report:

- Full grids 31, 36, 37, 38, 40, 41, 42, 44, 45, 46, 50, 51, 52, 55, 56, 58, 59, 60, 64, 65, 66, 68, 69, 70, 75, 76, 77, 79, 80, 81, 84, 85, 86, 88, 89, 90, 95, 96, 97, 99, 100, 101, 104, 105, 106, 108, 109, 110, 111, 115, 116, 117, 118, 119, 120, 121, 122, 126, 127, 128, 129, 130, 131, 132, 133,



137, 138, 139, 140, 141, 142, 143, 147, 148, 149, 150, 151, 152, 153, 158, 159, 160, 161, 162, 163, 168, 169, 170, 171, 172, 173, 174, 179, 180, 181, 182, 183, 184, 189, 190, 191, 192, 193, 194, 195, 199, 200, 201, 202, 203, 204, 205, 206, 210, 211, 212, 213, 214, 215, 219, 220, 221, 222, 223, 224, 228, 229, 230, 231, 232, 233, 234, 235, 238, 239, 240, 241, 242, 245, 246, 247, 248, 250, 251, 252, 253, 254, 255, 258, 260, 263, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, and 277 were not monitored due to active construction, heavy equipment traffic, or steep slopes (steeper than 33.5 percent or 18 degrees) which resulted in unsafe conditions (see Appendix A).

- Partial grids 32, 33, 35, 43, 49, 57, 67, 78, 87, 98, 102, 107, 123, 134, 144, 154, 155, 164, 165, 175, 176, 185, 186, 196, 207, 216, 225, 236, 239, 243, 249, 256, 259, 261, and 264 were not monitored due to active construction, heavy equipment traffic, or steep slopes (steeper than 33.5 percent or 18 degrees) which resulted in unsafe conditions (see Appendix A).

As these areas were deemed unsafe by Tetra Tech personnel for entry due to active filling operations, construction, and other dangerous or unsafe conditions, which could cause a potential for injury of monitoring personnel (Appendix A).

Areas consisting of native soil (no waste in place) are also exempt from monitoring, in accordance with the LMR.

Any wells located in grids noted as exempt from monitoring due to health and safety concerns that remained accessible were monitored on an as-needed basis.

## **PROJECT SCHEDULE**

Following the initial monitoring events performed on October 26, 27, 28, and 29, 2020, subsequent re-monitoring was scheduled for 10 days later. The first 10-day re-monitoring event occurred on November 5, 2020. No further exceedances were detected, therefore no second 10-day re-monitoring event was performed. One-month confirmation testing event on abated instantaneous readings was performed on November 17, 2020.

## **STANDARD PROVISIONS**

This report addresses conditions of the subject site during the testing dates only. Accordingly, we assume no responsibility for any changes that may occur subsequent to testing which could affect the surface emissions at the subject site or adjacent properties.

If you have any questions regarding this report, please contact Justin Ruhle at (925) 323-6866.

Thank you,



Justin Ruhle – O&M West Area Manager

This report contains the following Appendices:

**Appendix A:** Surface Grid Map

**Appendix B:** Instantaneous Monitoring Results

**Appendix C:** Integrated Monitoring Results

**Appendix D:** Calibration Logs

**Appendix E:** Weather Data

**Appendix F:** Wind Speed Data

# APPENDIX A

## Surface Grid Map



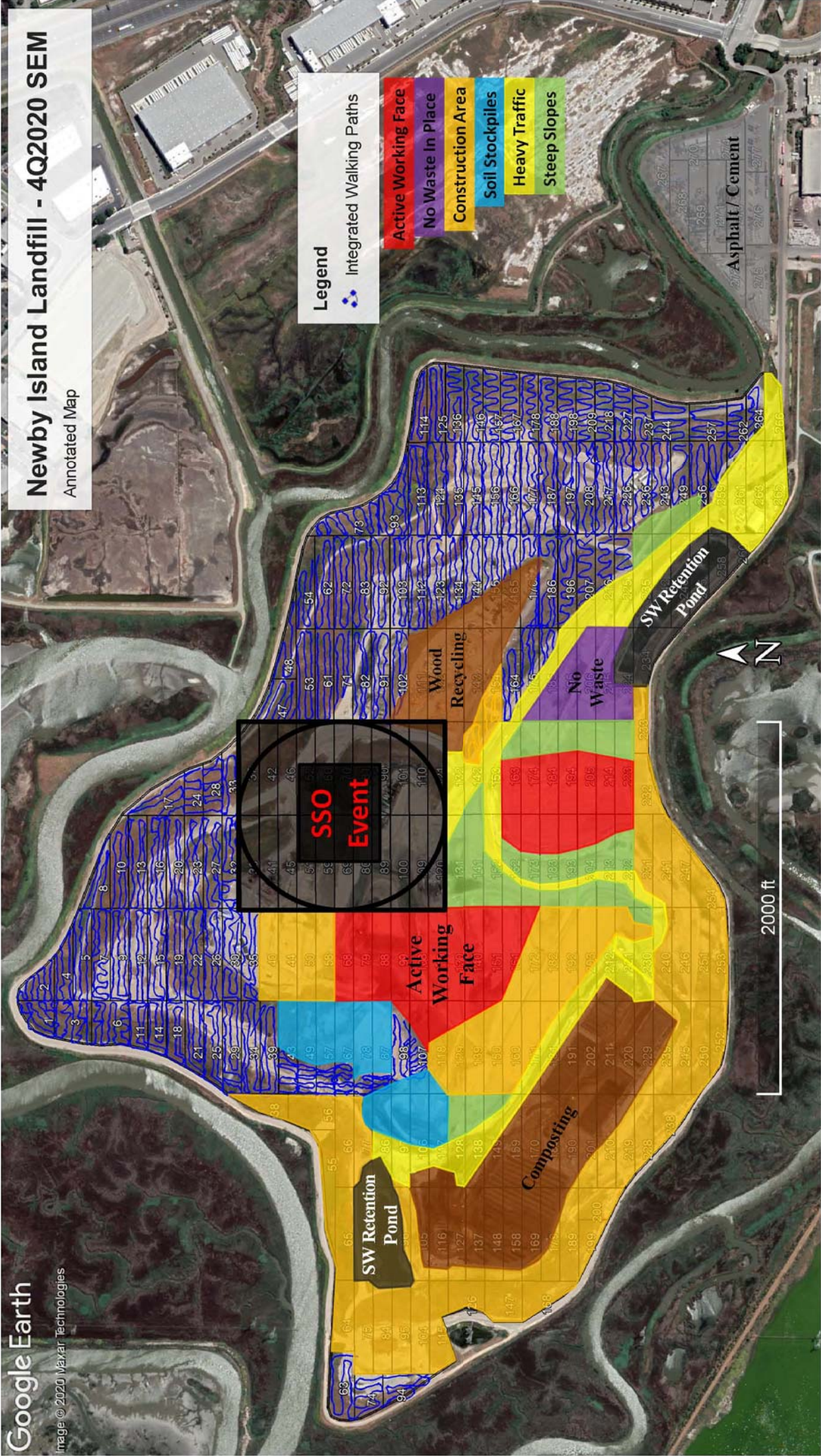
# Newby Island Landfill - 4Q2020 SEM

Annotated Map

## Legend

Integrated Walking Paths

- Active Working Face
- No Waste In Place
- Construction Area
- Soil Stockpiles
- Heavy Traffic
- Steep Slopes



# **APPENDIX B**



## **Instantaneous Monitoring Results**

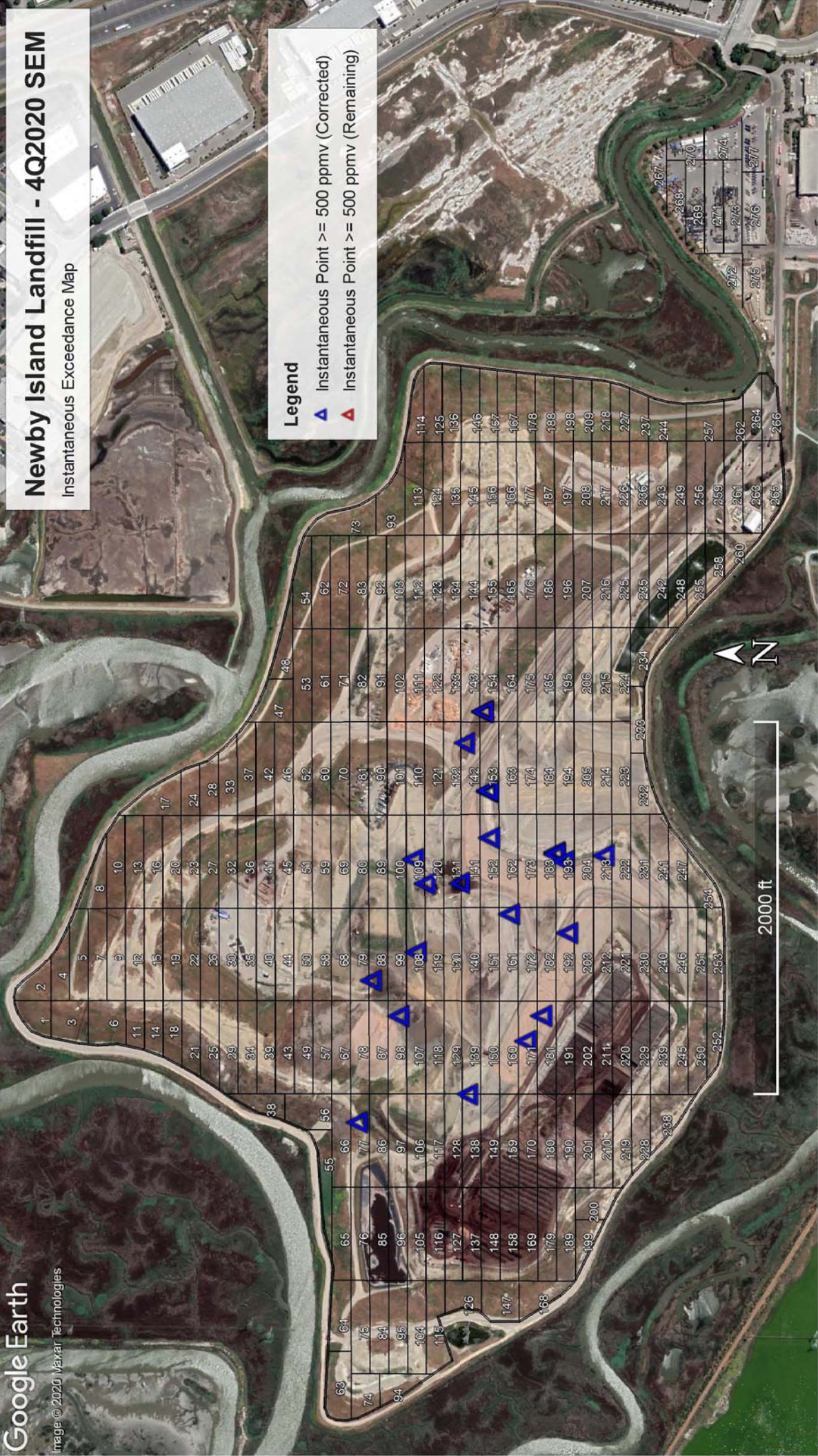


# Newby Island Landfill - 4Q2020 SEM

Instantaneous Exceedance Map

## Legend

-  Instantaneous Point  $\geq$  500 ppmv (Corrected)
-  Instantaneous Point  $\geq$  500 ppmv (Remaining)





**Table 1**  
**SUMMARY OF INSTANTANEOUS METHANE CONCENTRATIONS BETWEEN 200-499 PPMV**  
**4Q2020 Newby Island Landfill**

FILE NAME	DATE	GRID NO.	ID NO.	LATITUDE WGS84	LONGITUDE WGS84	METHANE CONCENTRATION (ppmv)
MONITOR_Newby_GRID_17_2020_Q1_Initial.csv	10/28/2020	17	99	37.463300	-121.941320	364.1
MONITOR_Newby_GRID_17_2020_Q1_Initial.csv	10/28/2020	17	100	37.463292	-121.941313	310.3
MONITOR_Newby_GRID_43_2020_Q4_Initial.csv	10/29/2020	43	6	37.461592	-121.946572	266.0
MONITOR_Newby_GRID_43_2020_Q4_Initial.csv	10/29/2020	43	7	37.461553	-121.946585	266.9
MONITOR_Newby_GRID_54_2020_Q4_Initial.csv	10/27/2020	54	35	37.461508	-121.937657	293.0
MONITOR_Newby_GRID_67_2020_Q4_Initial.csv	10/29/2020	67	8	37.460730	-121.946083	270.2
MONITOR_Newby_GRID_98_2020_Q4_Initial.csv	10/29/2020	98	75	37.460080	-121.946198	410.1
MONITOR_Newby_GRID_102_2020_Q1_Initial.csv	10/28/2020	102	97	37.460068	-121.939390	233.6
MONITOR_Newby_GRID_154_2020_Q1_Initial.csv	10/28/2020	154	6	37.458788	-121.939627	350.5
MONITOR_Newby_GRID_154_2020_Q1_Initial.csv	10/28/2020	154	7	37.458803	-121.939593	249.3
MONITOR_Newby_GRID_154_2020_Q1_Initial.csv	10/28/2020	154	11	37.458802	-121.939440	451.6
MONITOR_Newby_GRID_154_2020_Q1_Initial.csv	10/28/2020	154	22	37.458718	-121.939048	461.3
MONITOR_Newby_GRID_154_2020_Q1_Initial.csv	10/28/2020	154	24	37.458698	-121.938983	325.6
MONITOR_Newby_GRID_154_2020_Q1_Initial.csv	10/28/2020	154	25	37.458682	-121.938962	366.8
MONITOR_Newby_GRID_154_2020_Q1_Initial.csv	10/28/2020	154	26	37.458667	-121.938975	291.5
MONITOR_Newby_GRID_154_2020_Q1_Initial.csv	10/28/2020	154	33	37.458720	-121.939280	210.7
MONITOR_Newby_GRID_154_2020_Q1_Initial.csv	10/28/2020	154	43	37.458728	-121.939583	212.9
MONITOR_Newbywells_GRID_EW457_2020_Q4_Initial.csv	10/26/2020	EW457	NA	37.457260	-121.936063	383.4
MONITOR_Newbywells_GRID_EW677_2020_Q1_Initial.csv	10/27/2020	EW677	NA	37.457743	-121.944025	323.9
MONITOR_Newbywells_GRID_S17-3_2020_Q1_Initial.csv	10/27/2020	S17-3	NA	37.458215	-121.942025	319.5
MONITOR_Newbywells_GRID_EW066_2020_Q4_Initial.csv	10/27/2020	EW066	NA	37.464025	-121.944487	317.2
MONITOR_Newbywells_GRID_EW660_2020_Q1_Initial.csv	10/27/2020	EW660	NA	37.457970	-121.942492	287.2
MONITOR_Newbywells_GRID_EW620_2020_Q1_Initial.csv	10/27/2020	EW620	NA	37.458745	-121.946482	282.0
MONITOR_Newbywells_GRID_EW465_2020_Q4_Initial.csv	10/26/2020	EW465	NA	37.463727	-121.943967	273.9
MONITOR_Newbywells_GRID_EW646_2020_Q4_Initial.csv	10/27/2020	EW646	NA	37.458663	-121.942740	268.3
MONITOR_Newbywells_GRID_EW663_2020_Q4_Initial.csv	10/27/2020	EW663	NA	37.460632	-121.944648	264.5
MONITOR_Newbywells_GRID_EW514_2020_Q1_Initial.csv	10/27/2020	EW514	NA	37.457202	-121.944370	240.6
MONITOR_Newbywells_GRID_EW684_2020_Q1_Initial.csv	10/27/2020	EW684	NA	37.457908	-121.944497	220.7

**Table 2**  
**SUMMARY OF INSTANTANEOUS METHANE CONCENTRATIONS ≥500 PPMV**  
**INCLUDING REMONITORING RESULTS**  
**4Q2020 Newby Island Landfill**

FILE NAME	DATE	GRID NO. / WELL ID.	ID NO.	LATITUDE WGS84	LONGITUDE WGS84	METHANE CONCENTRATION (ppmv)
MONITOR_Newby_GRID_154_2020_Q1_Initial.csv	10/28/2020	154	12	37.458802	-121.939457	827.5
MONITOR_Newby_GRID_154_2020_Q4_10Day_1.csv	11/5/2020	154	12	37.458788	-121.939497	36.7
MONITOR_Newby_GRID_154_2020_Q4_Month.csv	11/17/2020	154	12	37.458785	-121.939453	202.9
MONITOR_Newbywells_GRID_3EW31_2020_Q4_Initial.csv	10/26/2020	3EW31	NA	37.459067	-121.940043	744.8
MONITOR_Newbywells_GRID_3EW31_2020_Q4_10Day_1.csv	11/5/2020	3EW31	NA	37.459085	-121.940025	0.0
MONITOR_Newbywells_GRID_3EW31_2020_Q4_Month.csv	11/17/2020	3EW31	NA	37.459058	-121.940035	1.8
MONITOR_Newbywells_GRID_C17-2_2020_Q1_Initial.csv	10/27/2020	C17-2	NA	37.457725	-121.942050	2772.7
MONITOR_Newbywells_GRID_C17-2_2020_Q4_10Day_1.csv	11/5/2020	C17-2	NA	37.457720	-121.942065	264.5
MONITOR_Newbywells_GRID_C17-2_2020_Q4_Month.csv	11/17/2020	C17-2	NA	37.457695	-121.942055	54.3
MONITOR_Newbywells_GRID_C17-3_2020_Q1_Initial.csv	10/27/2020	C17-3	NA	37.457725	-121.942088	657.9
MONITOR_Newbywells_GRID_C17-3_2020_Q4_10Day_1.csv	11/5/2020	C17-3	NA	37.457723	-121.942085	181.8
MONITOR_Newbywells_GRID_C17-3_2020_Q4_Month.csv	11/17/2020	C17-3	NA	37.457693	-121.942043	33.8
MONITOR_Newbywells_GRID_EW510_2020_Q4_Initial.csv	10/27/2020	EW510	NA	37.459810	-121.942205	1306.0
MONITOR_Newbywells_GRID_EW510_2020_Q4_Month.csv	11/17/2020	EW510	NA	37.459833	-121.942218	11.8
MONITOR_Newbywells_GRID_EW510_2020_Q4_10Day_1.csv	11/5/2020	EW510	NA	37.459815	-121.942205	340.4
MONITOR_Newbywells_GRID_EW568_2020_Q4_Initial.csv	10/27/2020	EW568	NA	37.460580	-121.947098	1005.8
MONITOR_Newbywells_GRID_EW568_2020_Q4_10Day_1.csv	11/5/2020	EW568	NA	37.460582	-121.947097	184.3
MONITOR_Newbywells_GRID_EW568_2020_Q4_Month.csv	11/17/2020	EW568	NA	37.460598	-121.947105	70.7
MONITOR_Newbywells_GRID_EW579_2020_Q1_Initial.csv	10/26/2020	EW579	NA	37.458117	-121.945542	5682.1
MONITOR_Newbywells_GRID_EW579_2020_Q4_Month.csv	11/5/2020	EW579	NA	37.458137	-121.945550	292.2
MONITOR_Newbywells_GRID_EW579_2020_Q4_Month.csv	11/17/2020	EW579	NA	37.458137	-121.945555	33.8
MONITOR_Newbywells_GRID_EW601_2020_Q4_Initial.csv	10/27/2020	EW601	NA	37.459993	-121.945125	6893.7
MONITOR_Newbywells_GRID_EW601_2020_Q4_10Day_1.csv	11/5/2020	EW601	NA	37.459978	-121.945155	242.8
MONITOR_Newbywells_GRID_EW601_2020_Q4_Month.csv	11/17/2020	EW601	NA	37.459970	-121.945127	63.7
MONITOR_Newbywells_GRID_EW615_2020_Q4_Initial.csv	10/27/2020	EW615	NA	37.460400	-121.944477	1044.2
MONITOR_Newbywells_GRID_EW615_2020_Q4_10Day_1.csv	11/5/2020	EW615	NA	37.460377	-121.944463	319.1
MONITOR_Newbywells_GRID_EW615_2020_Q4_Month.csv	11/17/2020	EW615	NA	37.460377	-121.944467	99.3
MONITOR_Newbywells_GRID_EW621_2020_Q1_Initial.csv	10/27/2020	EW621	NA	37.458960	-121.946542	833.6
MONITOR_Newbywells_GRID_EW621_2020_Q4_10Day_1.csv	11/5/2020	EW621	NA	37.458968	-121.946543	418.0
MONITOR_Newbywells_GRID_EW621_2020_Q4_Month.csv	11/17/2020	EW621	NA	37.458950	-121.946565	49.2
MONITOR_Newbywells_GRID_EW654_2020_Q1_Initial.csv	10/26/2020	EW654	NA	37.457888	-121.945072	2432.1
MONITOR_Newbywells_GRID_EW654_2020_Q4_10Day_1.csv	11/5/2020	EW654	NA	37.457892	-121.945072	257.0
MONITOR_Newbywells_GRID_EW654_2020_Q4_Month.csv	11/17/2020	EW654	NA	37.457865	-121.945102	14.4
MONITOR_Newbywells_GRID_EW655_2020_Q1_Initial.csv	10/27/2020	EW655	NA	37.457525	-121.943535	744.8
MONITOR_Newbywells_GRID_EW655_2020_Q4_10Day_1.csv	11/5/2020	EW655	NA	37.457555	-121.943570	182.3
MONITOR_Newbywells_GRID_EW655_2020_Q4_Month.csv	11/17/2020	EW655	NA	37.457558	-121.943577	18.4
MONITOR_Newbywells_GRID_EW661_2020_Q1_Initial.csv	10/27/2020	EW661	NA	37.458683	-121.941800	1515.4
MONITOR_Newbywells_GRID_EW661_2020_Q4_10Day_1.csv	11/5/2020	EW661	NA	37.458675	-121.941783	216.5
MONITOR_Newbywells_GRID_EW661_2020_Q4_Month.csv	11/17/2020	EW661	NA	37.458647	-121.941743	244.5
MONITOR_Newbywells_GRID_EW668_2020_Q1_Initial.csv	10/27/2020	EW668	NA	37.458378	-121.943203	3763.4
MONITOR_Newbywells_GRID_EW668_2020_Q1_10Day_1	11/5/2020	EW668	NA	37.458378	-121.943203	AWF - Inaccessible
MONITOR_Newbywells_GRID_EW668_2020_Q4_Month.csv	11/17/2020	EW668	NA	37.458402	-121.943223	40.5
MONITOR_Newbywells_GRID_EW676_2020_Q4_Initial.csv	10/27/2020	EW676	NA	37.459630	-121.942652	1380.1
MONITOR_Newbywells_GRID_EW676_2020_Q4_10Day_1.csv	11/5/2020	EW676	NA	37.459637	-121.942643	259.0
MONITOR_Newbywells_GRID_EW676_2020_Q4_Month.csv	11/17/2020	EW676	NA	37.459640	-121.942648	16.3
MONITOR_Newbywells_GRID_EW681_2020_Q1_Initial.csv	10/27/2020	EW681	NA	37.457012	-121.942098	1728.5
MONITOR_Newbywells_GRID_EW681_2020_Q4_10Day_1.csv	11/5/2020	EW681	NA	37.457013	-121.942077	28.3
MONITOR_Newbywells_GRID_EW681_2020_Q4_Month.csv	11/17/2020	EW681	NA	37.457023	-121.942097	69.5
MONITOR_Newbywells_GRID_EW685_2020_Q4_Initial.csv	10/27/2020	EW685	NA	37.459753	-121.943922	4239.6
MONITOR_Newbywells_GRID_EW685_2020_Q4_10Day_1.csv	11/5/2020	EW685	NA	37.459755	-121.943898	78.7
MONITOR_Newbywells_GRID_EW685_2020_Q4_Month.csv	11/17/2020	EW685	NA	37.459745	-121.943905	4.3
MONITOR_Newbywells_GRID_EW687_2020_Q4_Initial.csv	10/27/2020	EW687	NA	37.459117	-121.942640	1096.0
MONITOR_Newbywells_GRID_EW687_2020_Q4_10Day_1.csv	11/5/2020	EW687	NA	37.459102	-121.942647	202.7
MONITOR_Newbywells_GRID_EW687_2020_Q4_Month.csv	11/17/2020	EW687	NA	37.459097	-121.942638	41.8
MONITOR_Newbywells_GRID_S17-1_2020_Q4_Initial.csv	10/27/2020	S17-1	NA	37.458712	-121.940925	1512.7
MONITOR_Newbywells_GRID_S17-1_2020_Q4_10Day_1.csv	11/5/2020	S17-1	NA	37.458702	-121.940940	114.4
MONITOR_Newbywells_GRID_S17-1_2020_Q4_Month.csv	11/17/2020	S17-1	NA	37.458693	-121.940927	60.4



**Table 2**  
SUMMARY OF INSTANTANEOUS METHANE CONCENTRATIONS  $\geq 500$  PPMV  
INCLUDING REMONITORING RESULTS  
4Q2020 Newby Island Landfill

FILE NAME	DATE	GRID NO. / WELL ID.	ID NO.	LATITUDE WGS84	LONGITUDE WGS84	METHANE CONCENTRATION (ppmv)
MONITOR_Newbywells_GRID_S17-2_2020_Q4_Initial.csv	10/27/2020	S17-2	NA	37.458722	-121.940948	4568.7
MONITOR_Newbywells_GRID_S17-2_2020_Q4_10Day_1.csv	11/5/2020	S17-2	NA	37.458688	-121.940937	236.1
MONITOR_Newbywells_GRID_S17-2_2020_Q4_Month.csv	11/17/2020	S17-2	NA	37.458707	-121.940945	49.1
MONITOR_Newbywells_GRID_SAR02_2020_Q1_Initial.csv	10/27/2020	SAR02	NA	37.457597	-121.942212	2345.4
MONITOR_Newbywells_GRID_SAR02_2020_Q4_10Day_1.csv	11/5/2020	SAR02	NA	37.457603	-121.942202	142.3
MONITOR_Newbywells_GRID_SAR02_2020_Q4_Month.csv	11/17/2020	SAR02	NA	37.457567	-121.942190	48.1

AWF - Active Working Face

# APPENDIX C




## Integrated Monitoring Results

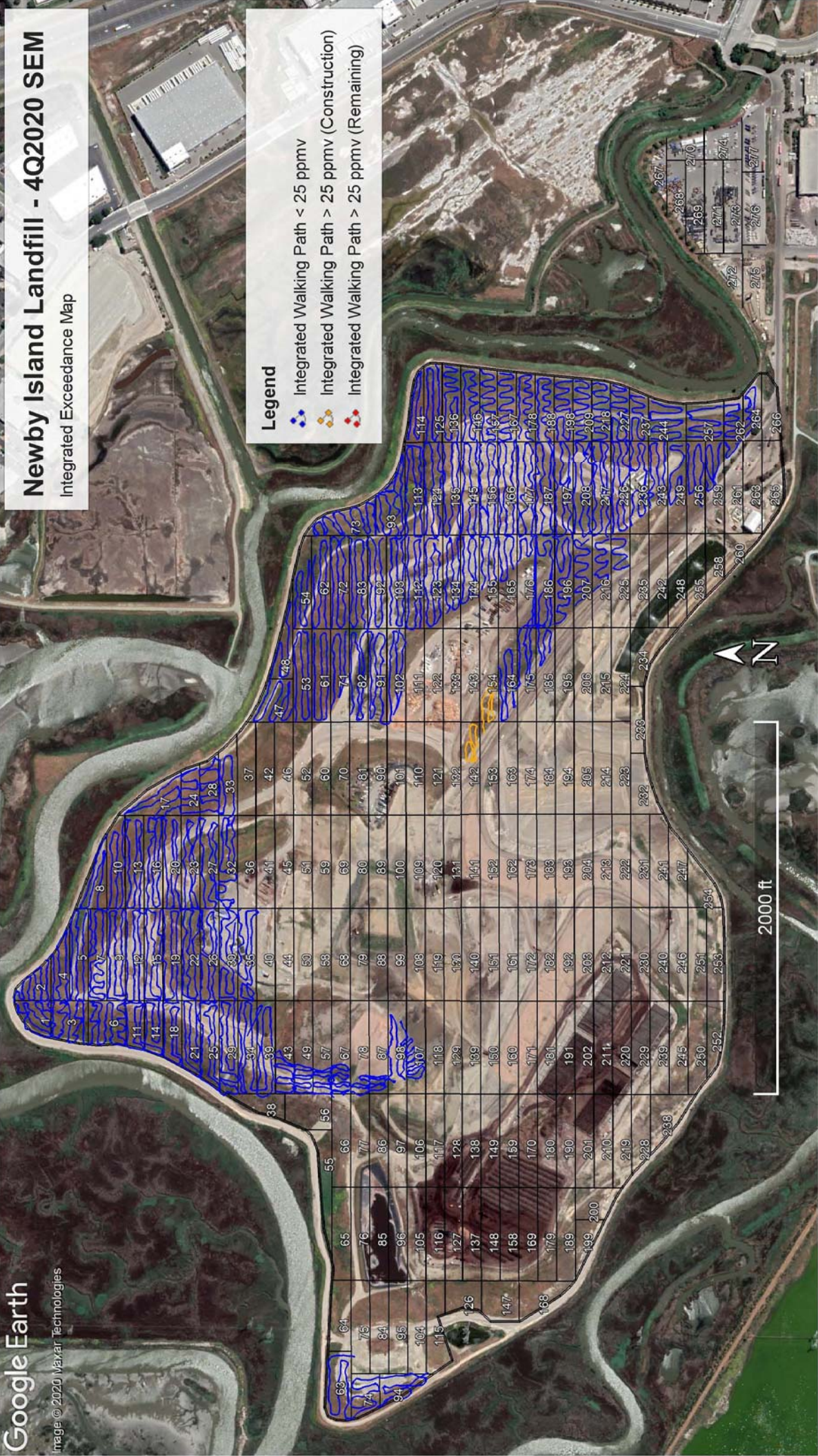


# Newby Island Landfill - 4Q2020 SEM

Integrated Exceedance Map

## Legend

-  Integrated Walking Path < 25 ppmv
-  Integrated Walking Path > 25 ppmv (Construction)
-  Integrated Walking Path > 25 ppmv (Remaining)





**Table 3**  
**SUMMARY OF INTEGRATED METHANE CONCENTRATIONS**  
**INCLUDING REMONITORING RESULTS**  
**4Q2020 Newby Island Landfill**

FILE NAME	DATE	GRID NO.	INTEGRATED METHANE CONCENTRATION (ppmv)
MONITOR_Newby_GRID_1_2020_Q4_Initial.csv	10/28/2020	1	3.8
MONITOR_Newby_GRID_2_2020_Q4_Initial.csv	10/28/2020	2	1.9
MONITOR_Newby_GRID_3_2020_Q4_Initial.csv	10/28/2020	3	1.7
MONITOR_Newby_GRID_4_2020_Q4_Initial.csv	10/28/2020	4	2.7
MONITOR_Newby_GRID_5_2020_Q4_Initial.csv	10/28/2020	5	2.8
MONITOR_Newby_GRID_6_2020_Q4_Initial.csv	10/28/2020	6	1.7
MONITOR_Newby_GRID_7_2020_Q4_Initial.csv	10/28/2020	7	7.4
MONITOR_Newby_GRID_8_2020_Q1_Initial.csv	10/28/2020	8	0.1
MONITOR_Newby_GRID_9_2020_Q4_Initial.csv	10/28/2020	9	2.6
MONITOR_Newby_GRID_10_2020_Q1_Initial.csv	10/28/2020	10	0.3
MONITOR_Newby_GRID_11_2020_Q4_Initial.csv	10/28/2020	11	1.0
MONITOR_Newby_GRID_12_2020_Q4_Initial.csv	10/28/2020	12	1.9
MONITOR_Newby_GRID_13_2020_Q1_Initial.csv	10/28/2020	13	0.4
MONITOR_Newby_GRID_14_2020_Q4_Initial.csv	10/28/2020	14	1.8
MONITOR_Newby_GRID_15_2020_Q4_Initial.csv	10/28/2020	15	3.2
MONITOR_Newby_GRID_16_2020_Q1_Initial.csv	10/28/2020	16	0.3
MONITOR_Newby_GRID_17_2020_Q1_Initial.csv	10/28/2020	17	10.7
MONITOR_Newby_GRID_18_2020_Q4_Initial.csv	10/28/2020	18	0.9
MONITOR_Newby_GRID_19_2020_Q4_Initial.csv	10/28/2020	19	7.7
MONITOR_Newby_GRID_20_2020_Q1_Initial.csv	10/28/2020	20	1.1
MONITOR_Newby_GRID_21_2020_Q4_Initial.csv	10/28/2020	21	0.4
MONITOR_Newby_GRID_22_2020_Q4_Initial.csv	10/28/2020	22	3.4
MONITOR_Newby_GRID_23_2020_Q1_Initial.csv	10/28/2020	23	5.7
MONITOR_Newby_GRID_24_2020_Q1_Initial.csv	10/28/2020	24	1.2
MONITOR_Newby_GRID_25_2020_Q4_Initial.csv	10/28/2020	25	1.9
MONITOR_Newby_GRID_26_2020_Q4_Initial.csv	10/28/2020	26	2.5
MONITOR_Newby_GRID_27_2020_Q1_Initial.csv	10/28/2020	27	0.2
MONITOR_Newby_GRID_28_2020_Q1_Initial.csv	10/28/2020	28	0.2
MONITOR_Newby_GRID_29_2020_Q4_Initial.csv	10/28/2020	29	4.4
MONITOR_Newby_GRID_30_2020_Q4_Initial.csv	10/28/2020	30	2.0
MONITOR_Newby_GRID_32_2020_Q1_Initial.csv	10/28/2020	32	0.5
MONITOR_Newby_GRID_33_2020_Q1_Initial.csv	10/28/2020	33	0.5
MONITOR_Newby_GRID_34_2020_Q1_Initial.csv	10/28/2020	34	1.4
MONITOR_Newby_GRID_35_2020_Q4_Initial.csv	10/28/2020	35	0.8
MONITOR_Newby_GRID_39_2020_Q1_Initial.csv	10/28/2020	39	7.6
MONITOR_Newby_GRID_43_2020_Q4_Initial.csv	10/29/2020	43	20.5
MONITOR_Newby_GRID_47_2020_Q4_Initial.csv	10/27/2020	47	0.3
MONITOR_Newby_GRID_48_2020_Q4_Initial.csv	10/27/2020	48	0.8
MONITOR_Newby_GRID_49_2020_Q4_Initial.csv	10/29/2020	49	14.6
MONITOR_Newby_GRID_53_2020_Q4_Initial.csv	10/27/2020	53	4.6
MONITOR_Newby_GRID_54_2020_Q4_Initial.csv	10/27/2020	54	9.5
MONITOR_Newby_GRID_57_2020_Q4_Initial.csv	10/29/2020	57	6.6
MONITOR_Newby_GRID_61_2020_Q4_Initial.csv	10/27/2020	61	0.2
MONITOR_Newby_GRID_62_2020_Q4_Initial.csv	10/27/2020	62	8.7
MONITOR_Newby_GRID_63_2020_Q1_Initial.csv	10/27/2020	63	1.1
MONITOR_Newby_GRID_67_2020_Q4_Initial.csv	10/29/2020	67	6.0
MONITOR_Newby_GRID_71_2020_Q4_Initial.csv	10/27/2020	71	2.7
MONITOR_Newby_GRID_72_2020_Q4_Initial.csv	10/27/2020	72	3.2
MONITOR_Newby_GRID_73_2020_Q4_Initial.csv	10/26/2020	73	0.2
MONITOR_Newby_GRID_74_2020_Q1_Initial.csv	10/27/2020	74	0.3
MONITOR_Newby_GRID_78_2020_Q4_Initial.csv	10/29/2020	78	0.6
MONITOR_Newby_GRID_82_2020_Q1_Initial.csv	10/28/2020	82	0.7
MONITOR_Newby_GRID_83_2020_Q4_Initial.csv	10/27/2020	83	5.8
MONITOR_Newby_GRID_87_2020_Q4_Initial.csv	10/29/2020	87	4.4
MONITOR_Newby_GRID_91_2020_Q1_Initial.csv	10/28/2020	91	0.9
MONITOR_Newby_GRID_92_2020_Q4_Initial.csv	10/27/2020	92	1.2

**Table 3**  
**SUMMARY OF INTEGRATED METHANE CONCENTRATIONS**  
**INCLUDING REMONITORING RESULTS**  
**4Q2020 Newby Island Landfill**

FILE NAME	DATE	GRID NO.	INTEGRATED METHANE CONCENTRATION (ppmv)
MONITOR_Newby_GRID_93_2020_Q4_Initial.csv	10/26/2020	93	0.1
MONITOR_Newby_GRID_94_2020_Q1_Initial.csv	10/27/2020	94	1.6
MONITOR_Newby_GRID_98_2020_Q4_Initial.csv	10/29/2020	98	20.9
MONITOR_Newby_GRID_102_2020_Q1_Initial.csv	10/28/2020	102	5.7
MONITOR_Newby_GRID_103_2020_Q4_Initial.csv	10/27/2020	103	0.3
MONITOR_Newby_GRID_107_2020_Q4_Initial.csv	10/29/2020	107	23.8
MONITOR_Newby_GRID_112_2020_Q4_Initial.csv	10/27/2020	112	0.7
MONITOR_Newby_GRID_113_2020_Q4_Initial.csv	10/26/2020	113	0.5
MONITOR_Newby_GRID_114_2020_Q4_Initial.csv	10/26/2020	114	0.3
MONITOR_Newby_GRID_123_2020_Q4_Initial.csv	10/27/2020	123	1.4
MONITOR_Newby_GRID_124_2020_Q4_Initial.csv	10/26/2020	124	0.1
MONITOR_Newby_GRID_125_2020_Q4_Initial.csv	10/26/2020	125	0.3
MONITOR_Newby_GRID_134_2020_Q4_Initial.csv	10/27/2020	134	0.3
MONITOR_Newby_GRID_135_2020_Q4_Initial.csv	10/26/2020	135	0.2
MONITOR_Newby_GRID_136_2020_Q4_Initial.csv	10/26/2020	136	0.3
MONITOR_Newby_GRID_142_2020_Q1_Initial.csv	10/28/2020	142	30.1
MONITOR_Newby_GRID_142_2020_Q1_10Day_1.csv	11/5/2020	142	Construction
MONITOR_Newby_GRID_144_2020_Q4_Initial.csv	10/27/2020	144	1.5
MONITOR_Newby_GRID_145_2020_Q4_Initial.csv	10/26/2020	145	0.2
MONITOR_Newby_GRID_146_2020_Q4_Initial.csv	10/26/2020	146	0.2
MONITOR_Newby_GRID_154_2020_Q1_Initial.csv	10/28/2020	154	103.4
MONITOR_Newby_GRID_154_2020_Q1_10Day_1.csv	11/5/2020	154	Construction
MONITOR_Newby_GRID_155_2020_Q4_Initial.csv	10/27/2020	155	1.0
MONITOR_Newby_GRID_156_2020_Q4_Initial.csv	10/26/2020	156	0.3
MONITOR_Newby_GRID_157_2020_Q4_Initial.csv	10/26/2020	157	0.1
MONITOR_Newby_GRID_164_2020_Q1_Initial.csv	10/28/2020	164	10.1
MONITOR_Newby_GRID_165_2020_Q4_Initial.csv	10/27/2020	165	0.6
MONITOR_Newby_GRID_166_2020_Q4_Initial.csv	10/26/2020	166	0.2
MONITOR_Newby_GRID_167_2020_Q4_Initial.csv	10/26/2020	167	0.1
MONITOR_Newby_GRID_175_2020_Q1_Initial.csv	10/28/2020	175	11.4
MONITOR_Newby_GRID_176_2020_Q4_Initial.csv	10/27/2020	176	6.7
MONITOR_Newby_GRID_177_2020_Q4_Initial.csv	10/26/2020	177	0.1
MONITOR_Newby_GRID_178_2020_Q4_Initial.csv	10/26/2020	178	0.1
MONITOR_Newby_GRID_185_2020_Q1_Initial.csv	10/28/2020	185	8.7
MONITOR_Newby_GRID_186_2020_Q4_Initial.csv	10/27/2020	186	10.9
MONITOR_Newby_GRID_187_2020_Q4_Initial.csv	10/26/2020	187	0.1
MONITOR_Newby_GRID_188_2020_Q4_Initial.csv	10/26/2020	188	0.7
MONITOR_Newby_GRID_196_2020_Q4_Initial.csv	10/27/2020	196	4.2
MONITOR_Newby_GRID_197_2020_Q4_Initial.csv	10/26/2020	197	0.3
MONITOR_Newby_GRID_198_2020_Q4_Initial.csv	10/26/2020	198	0.2
MONITOR_Newby_GRID_207_2020_Q4_Initial.csv	10/27/2020	207	3.5
MONITOR_Newby_GRID_208_2020_Q4_Initial.csv	10/26/2020	208	0.2
MONITOR_Newby_GRID_209_2020_Q4_Initial.csv	10/26/2020	209	0.3
MONITOR_Newby_GRID_216_2020_Q4_Initial.csv	10/27/2020	216	3.7
MONITOR_Newby_GRID_217_2020_Q4_Initial.csv	10/26/2020	217	0.2
MONITOR_Newby_GRID_218_2020_Q4_Initial.csv	10/26/2020	218	0.2
MONITOR_Newby_GRID_225_2020_Q4_Initial.csv	10/27/2020	225	0.8
MONITOR_Newby_GRID_226_2020_Q4_Initial.csv	10/26/2020	226	2.3
MONITOR_Newby_GRID_227_2020_Q4_Initial.csv	10/26/2020	227	0.1
MONITOR_Newby_GRID_236_2020_Q4_Initial.csv	10/26/2020	236	0.1
MONITOR_Newby_GRID_237_2020_Q4_Initial.csv	10/26/2020	237	0.8
MONITOR_Newby_GRID_243_2020_Q4_Initial.csv	10/26/2020	243	0.8
MONITOR_Newby_GRID_244_2020_Q4_Initial.csv	10/26/2020	244	0.7
MONITOR_Newby_GRID_249_2020_Q4_Initial.csv	10/26/2020	249	0.6
MONITOR_Newby_GRID_256_2020_Q4_Initial.csv	10/26/2020	256	0.4
MONITOR_Newby_GRID_257_2020_Q4_Initial.csv	10/26/2020	257	0.5

**Table 3**  
**SUMMARY OF INTEGRATED METHANE CONCENTRATIONS**  
**INCLUDING REMONITORING RESULTS**  
**4Q2020 Newby Island Landfill**

FILE NAME	DATE	GRID NO.	INTEGRATED METHANE CONCENTRATION (ppmv)
MONITOR_Newby_GRID_259_2020_Q4_Initial.csv	10/26/2020	259	0.5
MONITOR_Newby_GRID_261_2020_Q4_Initial.csv	10/26/2020	261	0.1
MONITOR_Newby_GRID_262_2020_Q4_Initial.csv	10/26/2020	262	0.1
MONITOR_Newby_GRID_264_2020_Q4_Initial.csv	10/26/2020	264	0.1

# APPENDIX D

## Calibration Logs



<b>MONITOR TYPE</b>											
VERIFICATION SUMMARY											
<b>OPERATOR NAME</b>	Field Solutions, Inc.	<b>AVG PRECISION (%)</b>	-0.4	<b>AVG RESPONSE TIME (SECONDS)</b>	5.3	<b>DIFFERENCE (%)</b>		<b>ZERO AIR PPM</b>	0	<b>INSTRUMENT ID</b>	8860FA6E68F
<b>FILE SAVE TIME</b>	10/26/2020 7:41	<b>MEASURED CONCENTRATION (ppmv)</b>	499.4	<b>DIFFERENCE (ppmv)</b>	-0.6	<b>RESPONSE TIME (seconds)</b>	6	<b>TIME STAMP</b>	10/26/2020 7:39	<b>INSTRUMENT ID</b>	8860FA6E68F
<b>CAL GAS CONCENTRATION (ppmv)</b>	500	<b>TARGET CONCENRATION (ppmv)</b>	497.7	<b>INITIAL CONCENTRATION (ppmv)</b>	-2.7		5	<b>TIME STAMP</b>	10/26/2020 7:39	<b>INSTRUMENT ID</b>	8860FA6E68F
<b>CAL GAS TYPE</b>	CH4 (Methane)		497.3	<b>INITIAL CONCENTRATION (ppmv)</b>	-0.5		5	<b>TIME STAMP</b>	10/26/2020 7:40	<b>INSTRUMENT ID</b>	8860FA6E68F
<b>PRECISION MEASUREMENT</b>	500		473.2	<b>INITIAL CONCENTRATION (ppmv)</b>	1.9		6	<b>TIME STAMP</b>	10/26/2020 7:41	<b>INSTRUMENT ID</b>	8860FA6E68F
<b>PRECISION MEASUREMENT</b>	500		473.2	<b>INITIAL CONCENTRATION (ppmv)</b>	0		5	<b>TIME STAMP</b>	10/26/2020 7:41	<b>INSTRUMENT ID</b>	8860FA6E68F
<b>PRECISION MEASUREMENT</b>	500		473.2	<b>INITIAL CONCENTRATION (ppmv)</b>	0		5	<b>TIME STAMP</b>	10/26/2020 7:41	<b>INSTRUMENT ID</b>	8860FA6E68F
<b>MONITOR TYPE</b>											
VERIFICATION SUMMARY											
<b>OPERATOR NAME</b>	Field Solutions, Inc.	<b>AVG PRECISION (%)</b>	0	<b>AVG RESPONSE TIME (SECONDS)</b>	5	<b>DIFFERENCE (%)</b>		<b>ZERO AIR PPM</b>	0	<b>INSTRUMENT ID</b>	000780DABAC4
<b>FILE SAVE TIME</b>	10/26/2020 7:45	<b>MEASURED CONCENTRATION (ppmv)</b>	500.1	<b>DIFFERENCE (ppmv)</b>	0.1	<b>RESPONSE TIME (seconds)</b>	6	<b>TIME STAMP</b>	10/26/2020 7:42	<b>INSTRUMENT ID</b>	000780DABAC4
<b>CAL GAS CONCENTRATION (ppmv)</b>	500	<b>TARGET CONCENRATION (ppmv)</b>	498.3	<b>INITIAL CONCENTRATION (ppmv)</b>	-0.7		0	<b>TIME STAMP</b>	10/26/2020 7:43	<b>INSTRUMENT ID</b>	000780DABAC4
<b>CAL GAS TYPE</b>	CH4 (Methane)		475	<b>INITIAL CONCENTRATION (ppmv)</b>	0		5	<b>TIME STAMP</b>	10/26/2020 7:44	<b>INSTRUMENT ID</b>	000780DABAC4
<b>PRECISION MEASUREMENT</b>	500		475	<b>INITIAL CONCENTRATION (ppmv)</b>	0		5	<b>TIME STAMP</b>	10/26/2020 7:44	<b>INSTRUMENT ID</b>	000780DABAC4
<b>PRECISION MEASUREMENT</b>	500		475	<b>INITIAL CONCENTRATION (ppmv)</b>	0		5	<b>TIME STAMP</b>	10/26/2020 7:45	<b>INSTRUMENT ID</b>	000780DABAC4
<b>PRECISION MEASUREMENT</b>	500		473.3	<b>INITIAL CONCENTRATION (ppmv)</b>	0		5	<b>TIME STAMP</b>	10/26/2020 7:45	<b>INSTRUMENT ID</b>	000780DABAC4
<b>MONITOR TYPE</b>											
VERIFICATION SUMMARY											
<b>OPERATOR NAME</b>	Field Solutions, Inc.	<b>AVG PRECISION (%)</b>	-0.4	<b>AVG RESPONSE TIME (SECONDS)</b>	6.3	<b>DIFFERENCE (%)</b>		<b>ZERO AIR PPM</b>	0	<b>INSTRUMENT ID</b>	8860FA6E68F
<b>FILE SAVE TIME</b>	10/26/2020 7:47	<b>MEASURED CONCENTRATION (ppmv)</b>	497.1	<b>DIFFERENCE (ppmv)</b>	-2.9	<b>RESPONSE TIME (seconds)</b>	6	<b>TIME STAMP</b>	10/26/2020 7:45	<b>INSTRUMENT ID</b>	8860FA6E68F
<b>CAL GAS CONCENTRATION (ppmv)</b>	500	<b>TARGET CONCENRATION (ppmv)</b>	497.5	<b>INITIAL CONCENTRATION (ppmv)</b>	0.1		0	<b>TIME STAMP</b>	10/26/2020 7:45	<b>INSTRUMENT ID</b>	8860FA6E68F
<b>CAL GAS TYPE</b>	CH4 (Methane)		500.1	<b>INITIAL CONCENTRATION (ppmv)</b>	0		7	<b>TIME STAMP</b>	10/26/2020 7:46	<b>INSTRUMENT ID</b>	8860FA6E68F
<b>PRECISION MEASUREMENT</b>	500		473.3	<b>INITIAL CONCENTRATION (ppmv)</b>	0		6	<b>TIME STAMP</b>	10/26/2020 7:46	<b>INSTRUMENT ID</b>	8860FA6E68F
<b>PRECISION MEASUREMENT</b>	500		473.3	<b>INITIAL CONCENTRATION (ppmv)</b>	0		6	<b>TIME STAMP</b>	10/26/2020 7:47	<b>INSTRUMENT ID</b>	8860FA6E68F
<b>PRECISION MEASUREMENT</b>	500		473.3	<b>INITIAL CONCENTRATION (ppmv)</b>	0		6	<b>TIME STAMP</b>	10/26/2020 7:47	<b>INSTRUMENT ID</b>	8860FA6E68F
<b>MONITOR TYPE</b>											
VERIFICATION SUMMARY											
<b>OPERATOR NAME</b>	Field Solutions, Inc.	<b>AVG PRECISION (%)</b>	-0.9	<b>AVG RESPONSE TIME (SECONDS)</b>	4	<b>DIFFERENCE (%)</b>		<b>ZERO AIR PPM</b>	0	<b>INSTRUMENT ID</b>	8860FA6E68F
<b>FILE SAVE TIME</b>	10/27/2020 7:52	<b>MEASURED CONCENTRATION (ppmv)</b>	495.8	<b>DIFFERENCE (ppmv)</b>	-4.2	<b>RESPONSE TIME (seconds)</b>	4	<b>TIME STAMP</b>	10/26/2020 7:48	<b>INSTRUMENT ID</b>	8860FA6E68F
<b>CAL GAS CONCENTRATION (ppmv)</b>	500	<b>TARGET CONCENRATION (ppmv)</b>	495.6	<b>INITIAL CONCENTRATION (ppmv)</b>	-0.4		0	<b>TIME STAMP</b>	10/26/2020 7:49	<b>INSTRUMENT ID</b>	8860FA6E68F
<b>CAL GAS TYPE</b>	CH4 (Methane)		470.8	<b>INITIAL CONCENTRATION (ppmv)</b>	0		4	<b>TIME STAMP</b>	10/26/2020 7:50	<b>INSTRUMENT ID</b>	8860FA6E68F
<b>PRECISION MEASUREMENT</b>	500		470.8	<b>INITIAL CONCENTRATION (ppmv)</b>	0		4	<b>TIME STAMP</b>	10/26/2020 7:51	<b>INSTRUMENT ID</b>	8860FA6E68F
<b>PRECISION MEASUREMENT</b>	500		470.8	<b>INITIAL CONCENTRATION (ppmv)</b>	0		4	<b>TIME STAMP</b>	10/26/2020 7:52	<b>INSTRUMENT ID</b>	8860FA6E68F
<b>PRECISION MEASUREMENT</b>	500		470.8	<b>INITIAL CONCENTRATION (ppmv)</b>	0		4	<b>TIME STAMP</b>	10/26/2020 7:52	<b>INSTRUMENT ID</b>	8860FA6E68F
<b>MONITOR TYPE</b>											
VERIFICATION SUMMARY											
<b>OPERATOR NAME</b>	Field Solutions, Inc.	<b>AVG PRECISION (%)</b>	-0.8	<b>AVG RESPONSE TIME (SECONDS)</b>	4.3	<b>DIFFERENCE (%)</b>		<b>ZERO AIR PPM</b>	0	<b>INSTRUMENT ID</b>	8860FA6E68F
<b>FILE SAVE TIME</b>	10/27/2020 7:32	<b>MEASURED CONCENTRATION (ppmv)</b>	496.2	<b>DIFFERENCE (ppmv)</b>	-3.8	<b>RESPONSE TIME (seconds)</b>	4	<b>TIME STAMP</b>	10/27/2020 7:30	<b>INSTRUMENT ID</b>	8860FA6E68F
<b>CAL GAS CONCENTRATION (ppmv)</b>	500	<b>TARGET CONCENRATION (ppmv)</b>	496.8	<b>INITIAL CONCENTRATION (ppmv)</b>	-3.2		0	<b>TIME STAMP</b>	10/27/2020 7:31	<b>INSTRUMENT ID</b>	8860FA6E68F
<b>CAL GAS TYPE</b>	CH4 (Methane)		495.5	<b>INITIAL CONCENTRATION (ppmv)</b>	-4.5		0	<b>TIME STAMP</b>	10/27/2020 7:31	<b>INSTRUMENT ID</b>	8860FA6E68F
<b>PRECISION MEASUREMENT</b>	500		471.4	<b>INITIAL CONCENTRATION (ppmv)</b>	0		4	<b>TIME STAMP</b>	10/27/2020 7:31	<b>INSTRUMENT ID</b>	8860FA6E68F
<b>PRECISION MEASUREMENT</b>	500		471.4	<b>INITIAL CONCENTRATION (ppmv)</b>	0		5	<b>TIME STAMP</b>	10/27/2020 7:31	<b>INSTRUMENT ID</b>	8860FA6E68F
<b>PRECISION MEASUREMENT</b>	500		471.4	<b>INITIAL CONCENTRATION (ppmv)</b>	0		4	<b>TIME STAMP</b>	10/27/2020 7:32	<b>INSTRUMENT ID</b>	8860FA6E68F
<b>PRECISION MEASUREMENT</b>	500		471.4	<b>INITIAL CONCENTRATION (ppmv)</b>	0		4	<b>TIME STAMP</b>	10/27/2020 7:32	<b>INSTRUMENT ID</b>	8860FA6E68F

<b>MONITOR TYPE</b>		<b>OPERATOR NAME</b>	<b>INSTRUMENT ID</b>	<b>FILE SAVE TIME</b>	<b>AVG PRECISION (%)</b>	<b>AVG RESPONSE TIME (SECONDS)</b>	<b>DIFFERENCE (%)</b>	<b>ZERO AIR PPM</b>	<b>TIMESTAMP</b>	<b>INSTRUMENT ID</b>
VERIFICATION SUMMARY		Field Solutions, Inc.	8860P62C147	10/27/2020 7:36	-0.9	4.3	4.3	0	10/27/2020 7:34	8860P62C147
<b>MONITOR TYPE</b>		<b>CAL GAS SERIAL NUMBER</b>	<b>CAL GAS TYPE</b>	<b>CAL GAS CONCENTRATION (ppmv)</b>	<b>MEASURED CONCENTRATION (ppmv)</b>	<b>DIFFERENCE (ppmv)</b>	<b>DIFFERENCE (%)</b>	<b>ZERO AIR PPM</b>	<b>TIMESTAMP</b>	<b>INSTRUMENT ID</b>
PRECISION MEASUREMENT			CH4 (Methane)	500	496.6	-3.4	-0.7	0	10/27/2020 7:35	8860P62C147
PRECISION MEASUREMENT			CH4 (Methane)	500	495	-5	-1	0	10/27/2020 7:35	8860P62C147
PRECISION MEASUREMENT			CH4 (Methane)	500	494.7	-5.3	-1.1	0	10/27/2020 7:35	8860P62C147
<b>MONITOR TYPE</b>		<b>CAL GAS SERIAL NUMBER</b>	<b>CAL GAS TYPE</b>	<b>CAL GAS CONCENTRATION (ppmv)</b>	<b>TARGET CONCENTRATION (ppmv)</b>	<b>INITIAL CONCENTRATION (ppmv)</b>	<b>RESPONSE TIME (seconds)</b>	<b>TIMESTAMP</b>	<b>INSTRUMENT ID</b>	<b>INSTRUMENT ID</b>
RESPONSE TIME MEASUREMENT			CH4 (Methane)	500	470.7	0	4	10/27/2020 7:36	8860P62C147	8860P62C147
RESPONSE TIME MEASUREMENT			CH4 (Methane)	500	470.7	0	5	10/27/2020 7:36	8860P62C147	8860P62C147
RESPONSE TIME MEASUREMENT			CH4 (Methane)	500	470.7	0	4	10/27/2020 7:36	8860P62C147	8860P62C147
<b>MONITOR TYPE</b>		<b>OPERATOR NAME</b>	<b>INSTRUMENT ID</b>	<b>FILE SAVE TIME</b>	<b>AVG PRECISION (%)</b>	<b>AVG RESPONSE TIME (SECONDS)</b>	<b>DIFFERENCE (%)</b>	<b>ZERO AIR PPM</b>	<b>TIMESTAMP</b>	<b>INSTRUMENT ID</b>
VERIFICATION SUMMARY		Field Solutions, Inc.	000780DABAC4	10/27/2020 7:38	-0.2	3.3	3.3	0	10/27/2020 7:35	000780DABAC4
<b>MONITOR TYPE</b>		<b>CAL GAS SERIAL NUMBER</b>	<b>CAL GAS TYPE</b>	<b>CAL GAS CONCENTRATION (ppmv)</b>	<b>MEASURED CONCENTRATION (ppmv)</b>	<b>DIFFERENCE (ppmv)</b>	<b>DIFFERENCE (%)</b>	<b>ZERO AIR PPM</b>	<b>TIMESTAMP</b>	<b>INSTRUMENT ID</b>
PRECISION MEASUREMENT			CH4 (Methane)	500	499.5	-0.5	-0.1	0	10/27/2020 7:36	000780DABAC4
PRECISION MEASUREMENT			CH4 (Methane)	500	499	-1	-0.2	0	10/27/2020 7:36	000780DABAC4
PRECISION MEASUREMENT			CH4 (Methane)	500	498.6	-1.4	-0.3	0	10/27/2020 7:36	000780DABAC4
<b>MONITOR TYPE</b>		<b>CAL GAS SERIAL NUMBER</b>	<b>CAL GAS TYPE</b>	<b>CAL GAS CONCENTRATION (ppmv)</b>	<b>TARGET CONCENTRATION (ppmv)</b>	<b>INITIAL CONCENTRATION (ppmv)</b>	<b>RESPONSE TIME (seconds)</b>	<b>TIMESTAMP</b>	<b>INSTRUMENT ID</b>	<b>INSTRUMENT ID</b>
RESPONSE TIME MEASUREMENT			CH4 (Methane)	500	474.1	0	5	10/27/2020 7:37	000780DABAC4	000780DABAC4
RESPONSE TIME MEASUREMENT			CH4 (Methane)	500	474.1	0	6	10/27/2020 7:37	000780DABAC4	000780DABAC4
RESPONSE TIME MEASUREMENT			CH4 (Methane)	500	474.1	0	5	10/27/2020 7:38	000780DABAC4	000780DABAC4
<b>MONITOR TYPE</b>		<b>OPERATOR NAME</b>	<b>INSTRUMENT ID</b>	<b>FILE SAVE TIME</b>	<b>AVG PRECISION (%)</b>	<b>AVG RESPONSE TIME (SECONDS)</b>	<b>DIFFERENCE (%)</b>	<b>ZERO AIR PPM</b>	<b>TIMESTAMP</b>	<b>INSTRUMENT ID</b>
VERIFICATION SUMMARY		Field Solutions, Inc.	000780DABAC4	10/28/2020 7:51	-0.3	5.7	5.7	0	10/28/2020 7:49	000780DABAC4
<b>MONITOR TYPE</b>		<b>CAL GAS SERIAL NUMBER</b>	<b>CAL GAS TYPE</b>	<b>CAL GAS CONCENTRATION (ppmv)</b>	<b>MEASURED CONCENTRATION (ppmv)</b>	<b>DIFFERENCE (ppmv)</b>	<b>DIFFERENCE (%)</b>	<b>ZERO AIR PPM</b>	<b>TIMESTAMP</b>	<b>INSTRUMENT ID</b>
PRECISION MEASUREMENT			CH4 (Methane)	500	498.2	-1.8	-0.4	0	10/28/2020 7:50	000780DABAC4
PRECISION MEASUREMENT			CH4 (Methane)	500	497.8	-2.2	-0.4	0	10/28/2020 7:50	000780DABAC4
PRECISION MEASUREMENT			CH4 (Methane)	500	500.2	0.2	0	0	10/28/2020 7:50	000780DABAC4
<b>MONITOR TYPE</b>		<b>CAL GAS SERIAL NUMBER</b>	<b>CAL GAS TYPE</b>	<b>CAL GAS CONCENTRATION (ppmv)</b>	<b>TARGET CONCENTRATION (ppmv)</b>	<b>INITIAL CONCENTRATION (ppmv)</b>	<b>RESPONSE TIME (seconds)</b>	<b>TIMESTAMP</b>	<b>INSTRUMENT ID</b>	<b>INSTRUMENT ID</b>
RESPONSE TIME MEASUREMENT			CH4 (Methane)	500	473.8	0	6	10/28/2020 7:51	000780DABAC4	000780DABAC4
RESPONSE TIME MEASUREMENT			CH4 (Methane)	500	473.8	0	5	10/28/2020 7:51	000780DABAC4	000780DABAC4
RESPONSE TIME MEASUREMENT			CH4 (Methane)	500	473.8	0	6	10/28/2020 7:51	000780DABAC4	000780DABAC4
<b>MONITOR TYPE</b>		<b>OPERATOR NAME</b>	<b>INSTRUMENT ID</b>	<b>FILE SAVE TIME</b>	<b>AVG PRECISION (%)</b>	<b>AVG RESPONSE TIME (SECONDS)</b>	<b>DIFFERENCE (%)</b>	<b>ZERO AIR PPM</b>	<b>TIMESTAMP</b>	<b>INSTRUMENT ID</b>
VERIFICATION SUMMARY		Field Solutions, Inc.	8860P46E68F	10/28/2020 7:52	-0.3	5	5	0	10/28/2020 7:50	8860P46E68F
<b>MONITOR TYPE</b>		<b>CAL GAS SERIAL NUMBER</b>	<b>CAL GAS TYPE</b>	<b>CAL GAS CONCENTRATION (ppmv)</b>	<b>MEASURED CONCENTRATION (ppmv)</b>	<b>DIFFERENCE (ppmv)</b>	<b>DIFFERENCE (%)</b>	<b>ZERO AIR PPM</b>	<b>TIMESTAMP</b>	<b>INSTRUMENT ID</b>
PRECISION MEASUREMENT			CH4 (Methane)	500	499.1	-0.9	-0.2	0	10/28/2020 7:50	8860P46E68F
PRECISION MEASUREMENT			CH4 (Methane)	500	498.1	-1.9	-0.4	0	10/28/2020 7:50	8860P46E68F
PRECISION MEASUREMENT			CH4 (Methane)	500	497.6	-2.4	-0.5	0	10/28/2020 7:51	8860P46E68F
<b>MONITOR TYPE</b>		<b>CAL GAS SERIAL NUMBER</b>	<b>CAL GAS TYPE</b>	<b>CAL GAS CONCENTRATION (ppmv)</b>	<b>TARGET CONCENTRATION (ppmv)</b>	<b>INITIAL CONCENTRATION (ppmv)</b>	<b>RESPONSE TIME (seconds)</b>	<b>TIMESTAMP</b>	<b>INSTRUMENT ID</b>	<b>INSTRUMENT ID</b>
RESPONSE TIME MEASUREMENT			CH4 (Methane)	500	473.4	0	5	10/28/2020 7:51	8860P46E68F	8860P46E68F
RESPONSE TIME MEASUREMENT			CH4 (Methane)	500	473.4	0	5	10/28/2020 7:51	8860P46E68F	8860P46E68F
RESPONSE TIME MEASUREMENT			CH4 (Methane)	500	473.4	0	5	10/28/2020 7:52	8860P46E68F	8860P46E68F
<b>MONITOR TYPE</b>		<b>OPERATOR NAME</b>	<b>INSTRUMENT ID</b>	<b>FILE SAVE TIME</b>	<b>AVG PRECISION (%)</b>	<b>AVG RESPONSE TIME (SECONDS)</b>	<b>DIFFERENCE (%)</b>	<b>ZERO AIR PPM</b>	<b>TIMESTAMP</b>	<b>INSTRUMENT ID</b>
VERIFICATION SUMMARY		Field Solutions, Inc.	8860P46E6F6	10/29/2020 7:41	-1.4	6	6	0	10/29/2020 7:39	8860P46E6F6
<b>MONITOR TYPE</b>		<b>CAL GAS SERIAL NUMBER</b>	<b>CAL GAS TYPE</b>	<b>CAL GAS CONCENTRATION (ppmv)</b>	<b>MEASURED CONCENTRATION (ppmv)</b>	<b>DIFFERENCE (ppmv)</b>	<b>DIFFERENCE (%)</b>	<b>ZERO AIR PPM</b>	<b>TIMESTAMP</b>	<b>INSTRUMENT ID</b>
PRECISION MEASUREMENT			CH4 (Methane)	500	493.9	-6.1	-1.2	0	10/29/2020 7:39	8860P46E6F6
PRECISION MEASUREMENT			CH4 (Methane)	500	493.3	-6.7	-1.3	0	10/29/2020 7:39	8860P46E6F6
PRECISION MEASUREMENT			CH4 (Methane)	500	491.3	-8.7	-1.7	0	10/29/2020 7:39	8860P46E6F6
<b>MONITOR TYPE</b>		<b>CAL GAS SERIAL NUMBER</b>	<b>CAL GAS TYPE</b>	<b>CAL GAS CONCENTRATION (ppmv)</b>	<b>TARGET CONCENTRATION (ppmv)</b>	<b>INITIAL CONCENTRATION (ppmv)</b>	<b>RESPONSE TIME (seconds)</b>	<b>TIMESTAMP</b>	<b>INSTRUMENT ID</b>	<b>INSTRUMENT ID</b>
RESPONSE TIME MEASUREMENT			CH4 (Methane)	500	468.2	0	6	10/29/2020 7:40	8860P46E6F6	8860P46E6F6
RESPONSE TIME MEASUREMENT			CH4 (Methane)	500	468.2	0	6	10/29/2020 7:40	8860P46E6F6	8860P46E6F6
RESPONSE TIME MEASUREMENT			CH4 (Methane)	500	468.2	0	6	10/29/2020 7:41	8860P46E6F6	8860P46E6F6

<b>MONITOR TYPE</b> VERIFICATION SUMMARY	<b>OPERATOR NAME</b> Field Solutions, Inc.	<b>INSTRUMENT ID</b> 886B0F62C147	<b>FILE SAVE TIME</b> 10/29/2020 7:52	<b>AVG PRECISION (%)</b> -0.6	<b>AVG RESPONSE TIME (SECONDS)</b> 4.3	<b>DIFFERENCE (%)</b> -0.8	<b>ZERO AIR PPM</b> 0	<b>TIME STAMP</b> 10/29/2020 7:49	<b>INSTRUMENT ID</b> 886B0F62C147
<b>MONITOR TYPE</b> PRECISION MEASUREMENT	<b>CAL GAS SERIAL NUMBER</b>	<b>CAL GAS TYPE</b> C4H (Methane)	<b>CAL GAS CONCENTRATION (ppmv)</b> 500	<b>MEASURED CONCENTRATION (ppmv)</b> 496.2	<b>DIFFERENCE (ppmv)</b> -3.8	<b>DIFFERENCE (%)</b> -0.8	<b>ZERO AIR PPM</b> 0	<b>TIME STAMP</b> 10/29/2020 7:50	<b>INSTRUMENT ID</b> 886B0F62C147
<b>PRECISION MEASUREMENT</b>		C4H (Methane)	500	497.7	-2.3	-0.5	0		
<b>PRECISION MEASUREMENT</b>		C4H (Methane)	500	496.9	-3.1	-0.6	0		
<b>MONITOR TYPE</b> RESPONSE TIME MEASUREMENT	<b>CAL GAS SERIAL NUMBER</b>	<b>CAL GAS TYPE</b> C4H (Methane)	<b>CAL GAS CONCENTRATION (ppmv)</b> 500	<b>TARGET CONCENTRATION (ppmv)</b> 472.1	<b>INITIAL CONCENTRATION (ppmv)</b> 0	<b>RESPONSE TIME (seconds)</b> 4	<b>TIME STAMP</b> 10/29/2020 7:51	<b>INSTRUMENT ID</b> 886B0F62C147	
<b>RESPONSE TIME MEASUREMENT</b>		C4H (Methane)	500	472.1	0	5			
<b>RESPONSE TIME MEASUREMENT</b>		C4H (Methane)	500	472.1	0	4			
<b>MONITOR TYPE</b> VERIFICATION SUMMARY	<b>OPERATOR NAME</b> Field Solutions, Inc.	<b>INSTRUMENT ID</b> 886B0F62C147	<b>FILE SAVE TIME</b> 10/29/2020 7:57	<b>AVG PRECISION (%)</b> -0.9	<b>AVG RESPONSE TIME (SECONDS)</b> 5	<b>DIFFERENCE (%)</b> -2.1	<b>ZERO AIR PPM</b> 0	<b>TIME STAMP</b> 10/29/2020 7:55	<b>INSTRUMENT ID</b> 886B0F62C147
<b>MONITOR TYPE</b> PRECISION MEASUREMENT	<b>CAL GAS SERIAL NUMBER</b>	<b>CAL GAS TYPE</b> C4H (Methane)	<b>CAL GAS CONCENTRATION (ppmv)</b> 500	<b>MEASURED CONCENTRATION (ppmv)</b> 488.5	<b>DIFFERENCE (ppmv)</b> -10.5	<b>DIFFERENCE (%)</b> -2.1	<b>ZERO AIR PPM</b> 0	<b>TIME STAMP</b> 10/29/2020 7:55	<b>INSTRUMENT ID</b> 886B0F62C147
<b>PRECISION MEASUREMENT</b>		C4H (Methane)	500	497.4	-2.6	-0.5	0		
<b>PRECISION MEASUREMENT</b>		C4H (Methane)	500	499.5	-0.5	-0.1	0		
<b>MONITOR TYPE</b> RESPONSE TIME MEASUREMENT	<b>CAL GAS SERIAL NUMBER</b>	<b>CAL GAS TYPE</b> C4H (Methane)	<b>CAL GAS CONCENTRATION (ppmv)</b> 500	<b>TARGET CONCENTRATION (ppmv)</b> 470.7	<b>INITIAL CONCENTRATION (ppmv)</b> 0	<b>RESPONSE TIME (seconds)</b> 6	<b>TIME STAMP</b> 10/29/2020 7:56	<b>INSTRUMENT ID</b> 886B0F62C147	
<b>RESPONSE TIME MEASUREMENT</b>		C4H (Methane)	500	470.7	0	4			
<b>RESPONSE TIME MEASUREMENT</b>		C4H (Methane)	500	470.7	0	5			
<b>MONITOR TYPE</b> VERIFICATION SUMMARY	<b>OPERATOR NAME</b> Field Solutions, Inc.	<b>INSTRUMENT ID</b> 886B0F62C147	<b>FILE SAVE TIME</b> 11/5/2020 7:29	<b>AVG PRECISION (%)</b> -0.3	<b>AVG RESPONSE TIME (SECONDS)</b> 5.3	<b>DIFFERENCE (%)</b> -0.3	<b>ZERO AIR PPM</b> 0	<b>TIME STAMP</b> 11/5/2020 7:28	<b>INSTRUMENT ID</b> 886B0F62C147
<b>MONITOR TYPE</b> PRECISION MEASUREMENT	<b>CAL GAS SERIAL NUMBER</b>	<b>CAL GAS TYPE</b> C4H (Methane)	<b>CAL GAS CONCENTRATION (ppmv)</b> 500	<b>MEASURED CONCENTRATION (ppmv)</b> 498.4	<b>DIFFERENCE (ppmv)</b> -1.6	<b>DIFFERENCE (%)</b> -0.3	<b>ZERO AIR PPM</b> 0	<b>TIME STAMP</b> 11/5/2020 7:28	<b>INSTRUMENT ID</b> 886B0F62C147
<b>PRECISION MEASUREMENT</b>		C4H (Methane)	500	498.2	-1.8	-0.4	0		
<b>PRECISION MEASUREMENT</b>		C4H (Methane)	500	499.1	-0.9	-0.2	0		
<b>MONITOR TYPE</b> RESPONSE TIME MEASUREMENT	<b>CAL GAS SERIAL NUMBER</b>	<b>CAL GAS TYPE</b> C4H (Methane)	<b>CAL GAS CONCENTRATION (ppmv)</b> 500	<b>TARGET CONCENTRATION (ppmv)</b> 473.6	<b>INITIAL CONCENTRATION (ppmv)</b> 0	<b>RESPONSE TIME (seconds)</b> 5	<b>TIME STAMP</b> 11/5/2020 7:29	<b>INSTRUMENT ID</b> 886B0F62C147	
<b>RESPONSE TIME MEASUREMENT</b>		C4H (Methane)	500	473.6	0	5			
<b>RESPONSE TIME MEASUREMENT</b>		C4H (Methane)	500	473.6	0	5			
<b>MONITOR TYPE</b> VERIFICATION SUMMARY	<b>OPERATOR NAME</b> Field Solutions, Inc.	<b>INSTRUMENT ID</b> 000780DABAC4	<b>FILE SAVE TIME</b> 11/17/2020 8:08	<b>AVG PRECISION (%)</b> -0.4	<b>AVG RESPONSE TIME (SECONDS)</b> 5	<b>DIFFERENCE (%)</b> -0.5	<b>ZERO AIR PPM</b> 0	<b>TIME STAMP</b> 11/17/2020 8:06	<b>INSTRUMENT ID</b> 000780DABAC4
<b>MONITOR TYPE</b> PRECISION MEASUREMENT	<b>CAL GAS SERIAL NUMBER</b>	<b>CAL GAS TYPE</b> C4H (Methane)	<b>CAL GAS CONCENTRATION (ppmv)</b> 500	<b>MEASURED CONCENTRATION (ppmv)</b> 497.6	<b>DIFFERENCE (ppmv)</b> -2.4	<b>DIFFERENCE (%)</b> -0.5	<b>ZERO AIR PPM</b> 0	<b>TIME STAMP</b> 11/17/2020 8:06	<b>INSTRUMENT ID</b> 000780DABAC4
<b>PRECISION MEASUREMENT</b>		C4H (Methane)	500	498.4	-1.6	-0.3	0		
<b>PRECISION MEASUREMENT</b>		C4H (Methane)	500	498.4	-1.6	-0.3	0		
<b>MONITOR TYPE</b> RESPONSE TIME MEASUREMENT	<b>CAL GAS SERIAL NUMBER</b>	<b>CAL GAS TYPE</b> C4H (Methane)	<b>CAL GAS CONCENTRATION (ppmv)</b> 500	<b>TARGET CONCENTRATION (ppmv)</b> 473.2	<b>INITIAL CONCENTRATION (ppmv)</b> 0	<b>RESPONSE TIME (seconds)</b> 5	<b>TIME STAMP</b> 11/17/2020 8:08	<b>INSTRUMENT ID</b> 000780DABAC4	
<b>RESPONSE TIME MEASUREMENT</b>		C4H (Methane)	500	473.2	0	5			
<b>RESPONSE TIME MEASUREMENT</b>		C4H (Methane)	500	473.2	0	5			

# APPENDIX E

## Weather Data



Date/Time	Temperature (°F)	Average Wind Speed (mph)	Wind Direction	Sky Condition	Precipitation
10/26/20 8:09	58	5	North-East	Clear	None
10/26/20 8:15	57	6	North-East	Clear	None
10/26/20 8:16	57	2	North-East	Clear	None
10/26/20 8:17	57	2	North-East	Clear	None
10/27/20 7:54	50	2	North-East	Clear	None
10/27/20 7:57	52	2	North-East	Clear	None
10/27/20 8:15	52	2	North-East	Clear	None
10/27/20 11:02	66	4	North-West	Clear	None
10/28/20 7:53	50	2	South-East	Clear	None
10/28/20 8:05	51	2	South-East	Clear	None
10/29/20 7:55	49	2	East	Clear	None
10/29/20 7:57	48	1	East	Clear	None
10/29/20 7:58	48	1	East	Clear	None
11/5/20 7:39	55	1	South-East	Clear	None
11/5/20 9:39	60	1	South-East	Clear	None
11/17/20 8:24	61	15	South-East	Mostly Cloudy	None

Field Solutions, Inc. portable wind meter

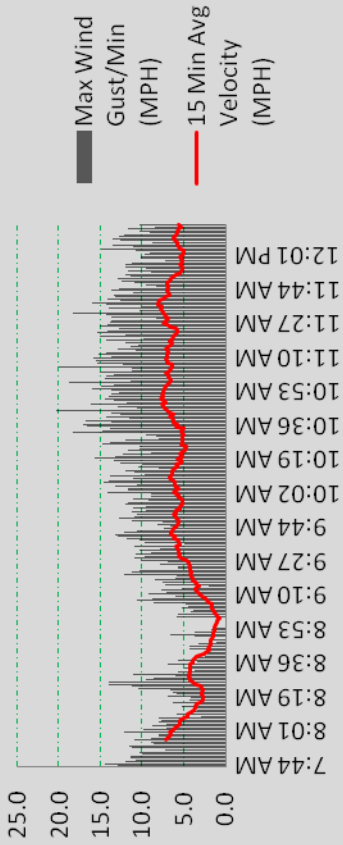
# APPENDIX F

## Wind Speed Data



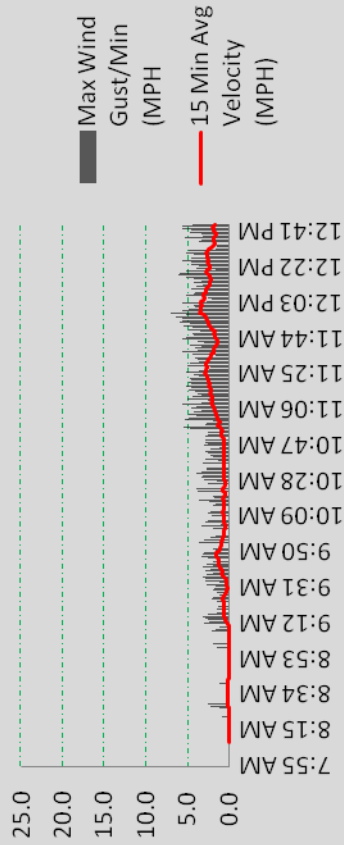
### Wind Log - Newby Island Landfill

October 26, 2020



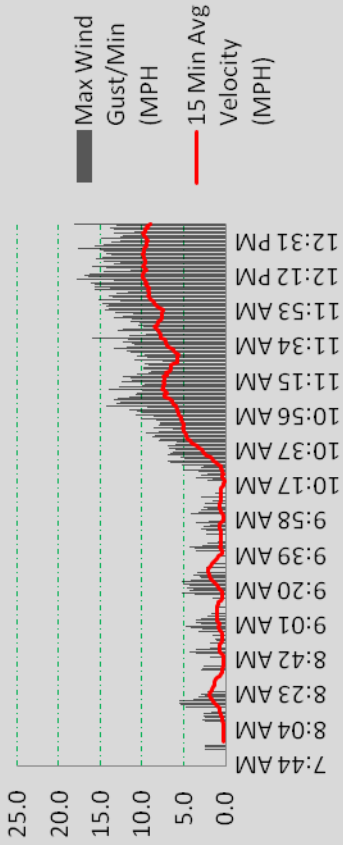
### Wind Log - Newby Island Landfill

October 28, 2020



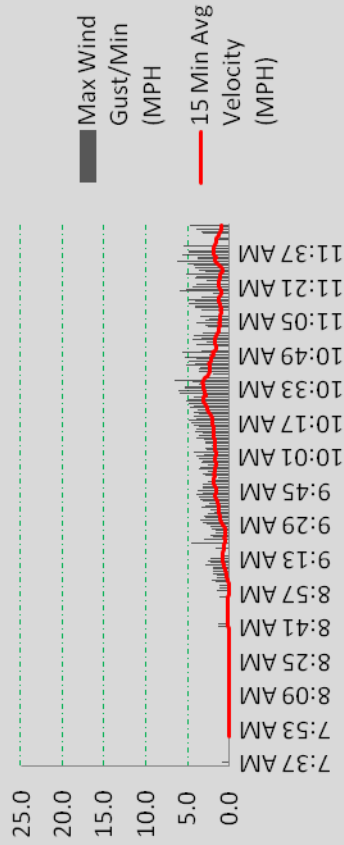
### Wind Log - Newby Island Landfill

October 27, 2020



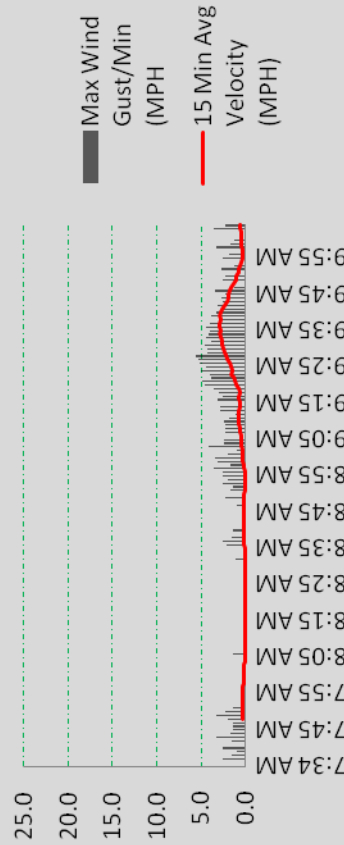
### Wind Log - Newby Island Landfill

October 29, 2020



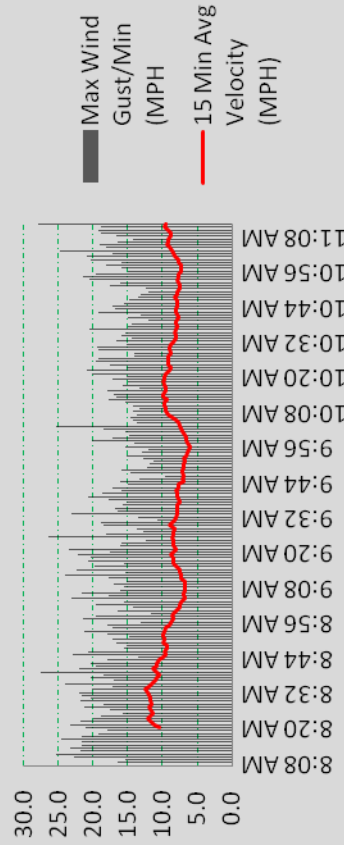
### Wind Log - Newby Island Landfill

November 5, 2020



### Wind Log - Newby Island Landfill

November 17, 2020



## Appendix E – Title V Semi-Annual Report

**NEWBY ISLAND LANDFILL**  
**TITLE V SEMI-ANNUAL MONITORING REPORT**

<b>SITE:</b> NEWBY ISLAND LANDFILL	<b>FACILITY ID#:</b> A9013
<b>REPORTING PERIOD:</b> from 08/01/2020 through 01/31/2021	

**CERTIFICATION:**

I declare, under penalty of perjury under the laws of the state of California, that, based on information and belief formed after reasonable inquiry, all information provided in this reporting package is true, accurate, and addresses all deviations during the reporting period:



02/26/2021

\_\_\_\_\_  
Signature of Responsible Official

\_\_\_\_\_  
Date

Daniel North  
Name of Responsible Official (please print)

General Manager  
Title of Responsible Official (please print)

**Mail to:**

*Director of Compliance and Enforcement  
BAAQMD  
375 Beale Street, Suite 600  
San Francisco, CA 94105  
Attn: Title V reports*

# NEWBY ISLAND LANDFILL

## TITLE V SEMI-ANNUAL MONITORING REPORT

<b>SITE:</b> NEWBY ISLAND LANDFILL	<b>FACILITY ID#:</b> A9013
<b>REPORTING PERIOD:</b> <i>from</i> 08/01/2020 <i>through</i> 01/31/2021	

### List of Permitted Sources and Abatement Device

Permit Unit Number	Equipment Description
S-#	Description
S-2	Newby Island Sanitary Landfill – Waste Decomposition Process; Equipped with Landfill Gas Collection System
S-5	Newby Island Sanitary Landfill – Waste and Cover Material Dumping
S-6	Newby Island Sanitary Landfill – Excavating, Bulldozing and Compacting Activities
S-3	Composting Operation; A-3 Water Truck
S-4	Non-retail Gasoline Dispensing Facility
S-8 and S-9	Horizontal Grinder/Operations, Trommel Screen/Operations
A-2	Landfill Gas Flare
A-3	Landfill Gas Flare

# NEWBY ISLAND LANDFILL

## TITLE V SEMI-ANNUAL MONITORING REPORT

<b>Site:</b> Newby Island Landfill	<b>Facility ID#:</b> A9013
<b>Permitted Unit:</b> S-2 VASCO ROAD LANDFILL, A-2 AND A-3 LANDFILL GAS FLARE; S-5 WASTE AND COVER MATERIAL DUMPING; S-6 EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES	<b>Reporting Period:</b> from 08/01/2020 through 01/31/2021

Type of Limit or Criteria	Monitoring Requirement Citation	Monitoring Type	Monitoring Frequency	Citation of Limit	Limit	Compliance	Corrective Actions Taken
Collection System Installation Dates	BAAQMD 8-34-501.7 and 501.8 and BAAQMD Condition # 10423, Part 13b, 13c, 13f, 13g	Records	Periodic / On event basis	BAAQMD 8-34-304.2	For Active Areas: Collection system components must be installed and operating by 5 years + 60 days after initial waste placement	Continuous	N/A
Collection System Installation Dates	BAAQMD 8-34-501.7 and 501.8 and BAAQMD Condition # 10423, Part 13b, 13c, 13f, 13g	Records	Periodic / On event basis	BAAQMD 8-34-304.3	For Any Uncontrolled Areas or Cells: collection system components must be installed and operating within 60 days after the uncontrolled area or cell accumulates 1,000,000 tons of decomposable waste	Continuous	N/A

# NEWBY ISLAND LANDFILL

## TITLE V SEMI-ANNUAL MONITORING REPORT

<b>Site:</b> Newby Island Landfill	<b>Facility ID#:</b> A9013
<b>Permitted Unit:</b> S-2 VASCO ROAD LANDFILL, A-2 AND A-3 LANDFILL GAS FLARE; S-5 WASTE AND COVER MATERIAL DUMPING; S-6 EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES	<b>Reporting Period:</b> from 08/01/2020 through 01/31/2021

Type of Limit or Criteria	Monitoring Requirement Citation	Monitoring Type	Monitoring Frequency	Citation of Limit	Limit	Compliance	Corrective Actions Taken
Gas Flow	BAAQMD 8-34-501.10 and 508	Gas Flow Meter and Recorder (every 15 minutes)	Continuous	BAAQMD 8-34-301 and 301.1	Landfill gas collection system shall operate continuously and all collected gases shall be vented to a properly operating control system	Intermittent	On September 25, 2020, an electrical malfunction occurred at the flare station which caused the A-2 and A-3 Flares to automatically shut down. For additional information, including corrective actions taken, please refer to the October 5, 2020 30-Day Deviation Letter.
Gas Flow	BAAQMD Condition # 10423, Parts 13f-h	Records of Landfill Gas Flow Rates, Collection and Control Systems Downtime, and Collection System Components	Periodic / Daily	BAAQMD Condition # 10423, Parts 5 and 6	Landfill gas collection system shall operate continuously and all collected gases shall be vented to a properly operating control system	Continuous	N/A



# NEWBY ISLAND LANDFILL

## TITLE V SEMI-ANNUAL MONITORING REPORT

<b>Site:</b> Newby Island Landfill	<b>Facility ID#:</b> A9013
<b>Permitted Unit:</b> S-2 VASCO ROAD LANDFILL, A-2 AND A-3 LANDFILL GAS FLARE; S-5 WASTE AND COVER MATERIAL DUMPING; S-6 EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES	<b>Reporting Period:</b> from 08/01/2020 through 01/31/2021

Type of Limit or Criteria	Monitoring Requirement Citation	Monitoring Type	Monitoring Frequency	Citation of Limit	Limit	Compliance	Corrective Actions Taken
Collection and Control Systems Shutdown Time	BAAQMD 8-34-501.1	Operating Records	Periodic / Daily	BAAQMD 8-34-113.2	240 hours per year and 5 consecutive days	Continuous	N/A
Periods of Inoperation for Parametric Monitors	BAAQMD 1-523.4	Operating Records for All Parametric Monitors	Periodic / Daily	BAAQMD 1-523.2	≤ 15 consecutive days per incident and ≤ 30 calendar days per 12-month period	Continuous	N/A
Continuous Monitors	40 CFR 60.7(b)	Operating Records for All Continuous Monitors	Periodic / Daily	40 CFR 60.13(e)	Requires Continuous Operation except for breakdowns, repairs, calibration, and required span adjustments	Continuous	N/A
Wellhead Pressure	BAAQMD 8-34-414, 501.9 and 505.1	Monthly Inspection and Records	Periodic / Monthly	BAAQMD 8-34-305.1	< 0 psig (applies to all wells or collectors that are connected to the vacuum system)	Continuous	N/A
Temperature of Gas at Wellhead	BAAQMD 8-34-414, 501.9 and 505.2	Monthly Inspection and Records	Periodic / Monthly	BAAQMD 8-34-305.2	< 55 °C (< 131 °F), except for components identified in Condition # 818, Part 3b(i)	Continuous	N/A

# NEWBY ISLAND LANDFILL

## TITLE V SEMI-ANNUAL MONITORING REPORT

<b>Site:</b> Newby Island Landfill	<b>Facility ID#:</b> A9013
<b>Permitted Unit:</b> S-2 VASCO ROAD LANDFILL, A-2 AND A-3 LANDFILL GAS FLARE; S-5 WASTE AND COVER MATERIAL DUMPING; S-6 EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES	<b>Reporting Period:</b> from 08/01/2020 through 01/31/2021

Type of Limit or Criteria	Monitoring Requirement Citation	Monitoring Type	Monitoring Frequency	Citation of Limit	Limit	Compliance	Corrective Actions Taken
Temperature of Gas at Wellheads	BAAQMD 8-34-414, 501.9, 505.2, and BAAQMD Condition 10423, part 6d(ii)	Monthly Inspection and Records	Periodic / Monthly	BAAQMD 8-34-305 and BAAQMD Condition 10423, part 6d(i)	<63 C (<145 F) (Alternative wellhead temperature limit that applies only to wells specified in BAAQMD Condition # 10423, Part 6d(i))	Continuous	N/A
Gas Concentration at Wellhead	BAAQMD 8-34-414, 501.9 and 505.3 or 505.4	Monthly Inspection and Records	Periodic / Monthly	BAAQMD 8-34-305.3 or 305.4	N <sub>2</sub> < 20% (by volume, dry basis) <b>OR</b> O <sub>2</sub> < 5% (Applies to all wells or collectors that are connected to the vacuum system, except wells specified in BAAQMD Condition # 10423, Part 6c(i))	Continuous	N/A
Gas Concentrations at Header	BAAQMD 8-34-414, 501.9, and 505.3 or 505.4, and BAAQMD Condition 10423 part 6c(ii)	Monthly Inspection and Records	Periodic / Monthly	BAAQMD 8-34-305 and BAAQMD Condition # 10423, Part 6c(i)	O <sub>2</sub> < 15% (Alternative wellhead oxygen concentration limit that applies only to wells specified in BAAQMD Condition # 10423, Part 6c(i))	Continuous	N/A

# NEWBY ISLAND LANDFILL

## TITLE V SEMI-ANNUAL MONITORING REPORT

<b>Site:</b> Newby Island Landfill	<b>Facility ID#:</b> A9013
<b>Permitted Unit:</b> S-2 VASCO ROAD LANDFILL, A-2 AND A-3 LANDFILL	
<b>Reporting Period:</b> from 08/01/2020 through 01/31/2021	
GAS FLARE; S-5 WASTE AND COVER MATERIAL DUMPING; S-6 EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES	

Type of Limit or Criteria	Monitoring Requirement Citation	Monitoring Type	Monitoring Frequency	Citation of Limit	Limit	Compliance	Corrective Actions Taken
Well Shutdown Limits	BAAQMD 8-34-116.5 and 501.1	Records	Periodic / Daily	BAAQMD 8-34-116.2	No more than 5 wells at a time or 10% of total collection system, whichever is less	Continuous	N/A
Well Shutdown Limits	BAAQMD 8-34-116.5 and 501.1	Records	Periodic / Daily	BAAQMD 8-34-116.3	< 24 hours per well	Continuous	N/A
Well Shutdown Limits	BAAQMD 8-34-117.6 and 501.1	Records	Periodic / Daily	BAAQMD 8-34-117.4	No more than 5 wells at a time or 10% of total collection system, whichever is less	Continuous	N/A
Well Shutdown Limits	BAAQMD 8-34-117.6 and 501.1	Records	Periodic / Daily	BAAQMD 8-34-117.5	<24 hours per well or <5 days per well for component replacement	Continuous	N/A
TOC (Total Organic Compounds Plus Methane)	BAAQMD 8-34-501.6 and 503	Quarterly Inspection of collection and control system components with portable analyzer and Records	Periodic / Quarterly	BAAQMD 8-34-301.2	Component Leak Limit: < 1000 ppmv as methane	Continuous	N/A

# NEWBY ISLAND LANDFILL

## TITLE V SEMI-ANNUAL MONITORING REPORT

<b>Site:</b> Newby Island Landfill	<b>Facility ID#:</b> A9013
<b>Permitted Unit:</b> S-2 VASCO ROAD LANDFILL, A-2 AND A-3 LANDFILL GAS FLARE; S-5 WASTE AND COVER MATERIAL DUMPING; S-6 EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES	
<b>Reporting Period:</b> from 08/01/2020 through 01/31/2021	

Type of Limit or Criteria	Monitoring Requirement Citation	Monitoring Type	Monitoring Frequency	Citation of Limit	Limit	Compliance	Corrective Actions Taken
TOC	BAAQMD 8-34-415, 416, 501.6, 506 and 510	Monthly Visual Inspection of Cover, Quarterly Inspection of Surface with portable analyzer, Various Reinspection Times for Leaking Areas, and Records	Periodic / Monthly, Quarterly, and on an Event Basis	BAAQMD 8-34-303	Surface Leak Limit: < 500 ppmv as methane at 2 inches above surface	Continuous	N/A
Non-Methane Organic Compounds (NMOC)	BAAQMD 8-34-412 and 8-34-501.4 and BAAQMD Condition # 10423, Part 11b	Annual Source Tests and Records	Periodic / Annual	BAAQMD 8-34-301.3	> 98% removal by weight OR < 30 ppmv, dry basis @ 3% O <sub>2</sub> , expressed as methane (applies to flares only)	Continuous	N/A

# NEWBY ISLAND LANDFILL

## TITLE V SEMI-ANNUAL MONITORING REPORT

<b>Site:</b> Newby Island Landfill	<b>Facility ID#:</b> A9013
<b>Permitted Unit:</b> S-2 VASCO ROAD LANDFILL, A-2 AND A-3 LANDFILL GAS FLARE; S-5 WASTE AND COVER MATERIAL DUMPING; S-6 EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES	<b>Reporting Period:</b> from 08/01/2020 through 01/31/2021

Type of Limit or Criteria	Monitoring Requirement Citation	Monitoring Type	Monitoring Frequency	Citation of Limit	Limit	Compliance	Corrective Actions Taken
Temperature of Combustion Zone (CT)	BAAQMD 8-34-501.3 and 507, SIP 8-34-501.3 and BAAQMD Condition # 10423, Parts 11 and	Temperature Sensor and Recorder (continuous)	Continuous	BAAQMD Condition # 10423, Part 9	CT > 1525 °F, averaged over any 3-hour period (applies to A-1/A-3 only) CT > 1400 °F, averaged over any 3-hour period (applies to A-2 only)	Intermittent	During the reporting period, there were four (4) instances where the A-3 Flare dropped below the 1,497 °F limit pursuant to NSPS XXX \$60.768 while the flare was in operation. These temperature deviations were identified during preparation of this report. A 10-day Title V deviation report will be submitted under a separate cover letter.
Total Carbon	BAAQMD Condition # 10423, Part 3	Records	Periodic / Daily	BAAQMD 8-2-301	< 15 pounds/day or < 300 ppm, dry basis (applies only to aeration of or use as cover soil of soil containing < 50 ppmw of volatile organic compounds)	Continuous	N/A
Amount of Contaminated Soil Aerated or Used as Cover	BAAQMD Condition # 10423, Part 2m	Records	Periodic / On Event Basis	BAAQMD 8-40-116.1 and BAAQMD Condition # 10423, Parts 2 and 3	< 1 cubic yard per project	Continuous	N/A

# NEWBY ISLAND LANDFILL

## TITLE V SEMI-ANNUAL MONITORING REPORT

<b>Site:</b> Newby Island Landfill	<b>Facility ID#:</b> A9013
<b>Permitted Unit:</b> S-2 VASCO ROAD LANDFILL, A-2 AND A-3 LANDFILL GAS FLARE; S-5 WASTE AND COVER MATERIAL DUMPING; S-6 EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES	<b>Reporting Period:</b> from 08/01/2020 through 01/31/2021

Type of Limit or Criteria	Monitoring Requirement Citation	Monitoring Type	Monitoring Frequency	Citation of Limit	Limit	Compliance	Corrective Actions Taken
Amount of Contaminated Soil Aerated or Used as Cover	BAAQMD 8-40-116.2 and BAAQMD Condition # 10423, Part 2m	Records	Periodic / On Event Basis	BAAQMD 8-40-116.2 and BAAQMD Condition #10423, Parts 2 and 3	< 8 cubic yards per project, provided organic content < 500 ppmw and limited to 1 exempt project per 3 month period	Continuous	N/A
Amount of Contaminated Soil Aerated or Used as Cover	BAAQMD Condition # 10423, Part 2m	Records	Periodic / On Event Basis	BAAQMD 8-40-301 and BAAQMD Condition #10423, Parts 2 and 3	Prohibited for Soil with Organic Content >50 ppmw unless exempt per BAAQMD 8-40-116, 117, or 118	Continuous	N/A
Amount of Accidental Spillage	None	N/A	None	BAAQMD 8-40-117 and BAAQMD Condition # 10423, Parts 2 and 3	Soil Contaminated by Accidental Spillage of < 5 Gallons of Liquid Organic Compounds	Continuous	N/A
Total Aeration Project Emissions	BAAQMD Condition #10423, Part 2m	Records	Periodic / On Event Basis	BAAQMD 8-40-118 and BAAQMD Condition # 10423, Parts 2 and 3	< 150 pounds VOC per project and toxic air contaminant emissions per year < BAAQMD Table 2-1-316 limits	Continuous	N/A



# NEWBY ISLAND LANDFILL

## TITLE V SEMI-ANNUAL MONITORING REPORT

<b>Site:</b> Newby Island Landfill	<b>Facility ID#:</b> A9013
<b>Permitted Unit:</b> S-2 VASCO ROAD LANDFILL, A-2 AND A-3 LANDFILL GAS FLARE; S-5 WASTE AND COVER MATERIAL DUMPING; S-6 EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES	
<b>Reporting Period:</b> from 08/01/2020 through 01/31/2021	

Type of Limit or Criteria	Monitoring Requirement Citation	Monitoring Type	Monitoring Frequency	Citation of Limit	Limit	Compliance	Corrective Actions Taken
Opacity	BAAQMD Condition # 10423, Part 13e	Records of all site watering and road cleaning events	Periodic / On event basis, Monthly	BAAQMD 6-1-301 and SIP 6-301	Ringelmann No. 1 for ≤ 3 minutes/hr (applies to S-1)	Continuous	N/A
Opacity	None	N/A	None	BAAQMD 6-1-301 and SIP 6-301	Ringelmann No. 1 for < 3 minutes/hr (applies to flares)	Continuous	N/A
TSP	None	N/A	None	BAAQMD 6-1-310.1 and SIP 6-310	< 0.15 grains/dscf (applies to flares only)	Continuous	N/A
SO <sub>2</sub>	None	N/A	None	BAAQMD 9-1-301	Property Line Ground Level Limits: < 0.5 ppm for 3 minutes and < 0.25 ppm for 60 min. and <0.05 ppm for 24 hours (applies to flares only)	Continuous	N/A
SO <sub>2</sub>	BAAQMD Condition # 10423, Parts 10 and 13j	Sulfur analysis of landfill gas and Records	Periodic / Quarterly	BAAQMD Regulation 9-1-302	Exhaust Gas from Flare: < 300 ppm (dry basis) (applies to flares only)	Continuous	N/A

# NEWBY ISLAND LANDFILL

## TITLE V SEMI-ANNUAL MONITORING REPORT

<b>Site:</b> Newby Island Landfill	<b>Facility ID#:</b> A9013
<b>Permitted Unit:</b> S-2 VASCO ROAD LANDFILL, A-2 AND A-3 LANDFILL GAS FLARE; S-5 WASTE AND COVER MATERIAL DUMPING; S-6 EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES	<b>Reporting Period:</b> from 08/01/2020 through 01/31/2021

Type of Limit or Criteria	Monitoring Requirement Citation	Monitoring Type	Monitoring Frequency	Citation of Limit	Limit	Compliance	Corrective Actions Taken
Total Sulfur Content in Landfill Gas	BAAQMD Condition # 10423, Parts 10a and 13j	Sulfur analysis of landfill gas	Periodic / Quarterly	BAAQMD Condition # 10423, Part 10a	< 1300 ppmv instantaneous concentration (expressed as H2S)	Continuous	N/A

# NEWBY ISLAND LANDFILL

## TITLE V SEMI-ANNUAL MONITORING REPORT

<b>Site:</b> Newby Island Landfill	<b>Facility ID#:</b> A9013
<b>Permitted Unit:</b> S-2 VASCO ROAD LANDFILL, A-2 AND A-3 LANDFILL GAS FLARE; S-5 WASTE AND COVER MATERIAL DUMPING; S-6 EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES	<b>Reporting Period:</b> from 08/01/2020 through 01/31/2021

Type of Limit or Criteria	Monitoring Requirement Citation	Monitoring Type	Monitoring Frequency	Citation of Limit	Limit	Compliance	Corrective Actions Taken
Total Sulfur Content in Landfill Gas	BAAQMD Condition # 10423, Parts 10a and 13j	Sulfur analysis of landfill gas and Records	Periodic / Quarterly	BAAQMD Condition # 10423, Part 10a	< 300 ppmv annual average (expressed as H2S)	Intermittent	On December 15, 2020, the BAAQMD issued NOV A58092 for an exceedance of the concentration limit of 300 parts per million by volume (ppmv) for total reduced sulfur compounds (TRS) in the collected landfill gas (LFG) at Newby Island. For additional information, including corrective actions taken, please see the December 23, 2020 10-Day Deviation Letter and NOV Response Letter; as well as the December 28, 2020 letter submitted to BAAQMD.

# NEWBY ISLAND LANDFILL

## TITLE V SEMI-ANNUAL MONITORING REPORT

<b>Site:</b> Newby Island Landfill	<b>Facility ID#:</b> A9013
<b>Permitted Unit:</b> S-2 VASCO ROAD LANDFILL, A-2 AND A-3 LANDFILL GAS FLARE; S-5 WASTE AND COVER MATERIAL DUMPING; S-6 EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES	<b>Reporting Period:</b> from 08/01/2020 through 01/31/2021

Type of Limit or Criteria	Monitoring Requirement Citation	Monitoring Type	Monitoring Frequency	Citation of Limit	Limit	Compliance	Corrective Actions Taken
NOx	BAAQMD Condition 10423, Part 11d.	Annual Source Test & Records	Periodic / Annual	BAAQMD Condition # 10423, Part 10b	Applies to Exhaust Gas from Flares: < 60 ppm corrected to 15% oxygen, dry basis (< 0.05 pounds NOx per million BTU LFG)	Continuous	N/A
H <sub>2</sub> S	None	N/A	None	BAAQMD 9-2-301	Property Line Ground Level Limits: < 0.06 ppm, averaged over 3 minutes and < 0.03 ppm, averaged over 60 minutes	Continuous	N/A
Amount of Waste Accepted	BAAQMD Condition # 10423, Part 13a	Records	Periodic / Daily	BAAQMD Condition # 10423, Part 1	4,000 tons/day and < 39,000,000 tons (predicted cumulative amount of all wastes) and < 50,800,000 yd <sup>3</sup> (cumulative amount of all wastes and cover materials)	Continuous	N/A

# NEWBY ISLAND LANDFILL

## TITLE V SEMI-ANNUAL MONITORING REPORT

<b>Site:</b> Newby Island Landfill	<b>Facility ID#:</b> A9013
<b>Permitted Unit:</b> S-2 VASCO ROAD LANDFILL, A-2 AND A-3 LANDFILL GAS FLARE; S-5 WASTE AND COVER MATERIAL DUMPING; S-6 EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES	<b>Reporting Period:</b> from 08/01/2020 through 01/31/2021

Type of Limit or Criteria	Monitoring Requirement Citation	Monitoring Type	Monitoring Frequency	Citation of Limit	Limit	Compliance	Corrective Actions Taken
Heat Input A-1/A-3	BAAQMD Condition # 10423, Parts 8 and 13h	Records	Periodic / Daily	BAAQMD Condition # 10423, Part 8	< 2,006 MM BTU per day and < 732,095 MM BTU per year	Continuous	N/A
Heat Input, A-2	BAAQMD Condition # 10423, Parts 8 and 13h	Records	Periodic / Daily	BAAQMD Condition # 10423, Part 8	< 1,800 MM BTU per day and < 657,000 MM BTU per year	Continuous	N/A

# NEWBY ISLAND LANDFILL

## TITLE V SEMI-ANNUAL MONITORING REPORT

<b>Site:</b> Newby Island Landfill	<b>Facility ID#:</b> A9013	
<b>Permitted Unit:</b> S-3 COMPOSTING OPERATION; A-3 WATER TRUCK	<b>Reporting Period:</b> from 08/01/2020 through 01/31/2021	

Type of Limit or Criteria	Monitoring Requirement Citation	Monitoring Type	Monitoring Frequency	Citation of Limit	Limit	Compliance	Corrective Actions Taken
Opacity	BAAQMD Condition # 8178, Parts 3 and 4	Observation of Operations and Records	Periodic / On Event Basis	BAAQMD Regulation 6-1-301 and SIP 6-301	< Ringelmann 1.0 for 3 minutes in any hour	Continuous	N/A
Opacity	BAAQMD Condition # 8178, Parts 3 and 4	Observation of Operations and Records	Periodic / On Event Basis	BAAQMD Condition # 8178, Part 3	< Ringelmann 1.0	Continuous	N/A



# NEWBY ISLAND LANDFILL

## TITLE V SEMI-ANNUAL MONITORING REPORT

<b>Site:</b> Newby Island Landfill	<b>Facility ID#:</b> A9013
<b>Permitted Unit:</b> S-4 NON-RETAIL GASOLINE DISPENSING FACILITY	<b>Reporting Period:</b> from 08/01/2020 through 01/31/2021

Type of Limit or Criteria	Monitoring Requirement Citation	Monitoring Type	Monitoring Frequency	Citation of Limit	Limit	Compliance	Corrective Actions Taken
Gasoline Throughput	BAAQMD 8-7-503.1	Records	Periodic / Annual	BAAQMD Condition # 14098	940,000 gallons per 12-month period	Continuous	N/A
Throughput (exempt from Phase I)	BAAQMD 8-7-501 and 8-7-503.2	Records	Periodic / On event basis	BAAQMD 8-7-114	1000 gallons per facility for tank integrity leak checking	Continuous	N/A
Organic Compounds	None	N/A	None	SIP 8-5-303.2	Tank Pressure Vacuum Valve Shall Be: Gas Tight or < 500 ppmv (expressed as methane) above background for PRVs (as defined in SIP 8-5-206)	Continuous	N/A
Organic Compounds	None	Equipment must be precertified by CARB	None	BAAQMD 8-7-301.2	All Phase I Systems Shall Meet the Emission Limitations of the Applicable CARB Certification	Continuous	N/A
Organic Compounds	CARB EO G-70-148-A paragraph 21	Annual Check for Vapor Tightness and Proper Operation of Vapor	Periodic / Annual	BAAQMD 8-7-301.6	All Phase I Equipment (except components with	Continuous	N/A

# NEWBY ISLAND LANDFILL

## TITLE V SEMI-ANNUAL MONITORING REPORT

<b>Site:</b> Newby Island Landfill	<b>Facility ID#:</b> A9013
<b>Permitted Unit:</b> S-4 NON-RETAIL GASOLINE DISPENSING FACILITY	<b>Reporting Period:</b> from 08/01/2020 through 01/31/2021

Type of Limit or Criteria	Monitoring Requirement Citation	Monitoring Type	Monitoring Frequency	Citation of Limit	Limit	Compliance	Corrective Actions Taken
		Recovery System			allowable leak rates) shall be leak free (<3 drops/minute) and vapor tight		
Organic Compounds	CARB EO G-70-148-A paragraph 21	Annual Check for Vapor Tightness and Proper Operation of Vapor Recovery System	Periodic / Annual	BAAQMD 8-7-302.5	All Phase II Equipment (except components with allowable leak rates or at the nozzle/fill-pipe interface) Shall Be: leak free (<3 drops/minute) and vapor tight	Continuous	N/A
Organic Compounds	CARB EO G-70-148-A paragraph 21	Annual Check for Vapor Tightness and Proper Operation of Vapor Recovery System	Periodic / Annual	CARB EO G-70-148-A paragraph 10	Any Emergency Vent or Manway Shall Be: leak free	Continuous	N/A
Defective Component Repair/Replacement Time Limit	BAAQMD 8-7-503.2	Records	Periodic / On Event Basis	BAAQMD 8-7-302.4	< 7 days	Continuous	N/A
Liquid Removal Rate	CARB EO G-70-52-AM	CARB Certification Procedures	Periodic / On Event Basis	BAAQMD 8-7-302.8	> 5 ml per gallon dispensed, when dispensing rate	Continuous	N/A

# NEWBY ISLAND LANDFILL

## TITLE V SEMI-ANNUAL MONITORING REPORT

<b>Site:</b> Newby Island Landfill	<b>Facility ID#:</b> A9013
<b>Permitted Unit:</b> S-4 NON-RETAIL GASOLINE DISPENSING FACILITY	<b>Reporting Period:</b> from 08/01/2020 through 01/31/2021

Type of Limit or Criteria	Monitoring Requirement Citation	Monitoring Type	Monitoring Frequency	Citation of Limit	Limit	Compliance	Corrective Actions Taken
					> 5 gallons/minute		
Liquid Retain from Nozzles	CARB EO G-70-52-AM	CARB Certification Procedures	Periodic / On Event Basis	BAAQMD 8-7-302.12	< 100 ml per 1000 gallons dispensed	Continuous	N/A
Nozzle Spitting	CARB EO G-70-52-AM	CARB Certification Procedures	Periodic / On Event Basis	BAAQMD 8-7-302.13	< 1.0 ml per nozzle per test	Continuous	N/A
Pressure-Vacuum Valve Settings	CARB EO G-70-148-A	CARB Certification Procedures	Periodic / On Event Basis	BAAQMD 8-7-316 and CARB EO G-70-148-A, paragraph 14	Pressure Setting: > 2.5 inches of water, gauge	Continuous	N/A
Pressure-Vacuum Valve Settings	None	N/A	None	SIP 8-5-303.1	Pressure Setting: > 10% of maximum working pressure or > 0.5 psig	Continuous	N/A
Disconnect on Liquid Leaks	CARB EO G-70-148-A paragraph 21	Annual Check for Vapor Tightness and Proper Operation of Vapor Recovery System	Periodic / Annual	CARB EO G-70-148-A paragraph 12	10 ml per disconnect, averaged over 3 disconnect operations	Continuous	N/A

# NEWBY ISLAND LANDFILL

## TITLE V SEMI-ANNUAL MONITORING REPORT

<b>Site:</b> Newby Island Landfill	<b>Facility ID#:</b> A9013
<b>Permitted Unit:</b> S-8 HORIZONTAL GRINDER OPERATIONS/ S-9 TROMMEL SCREEN/OPERATIONS	<b>Reporting Period:</b> from 08/01/2020 through 01/31/2021

Type of Limit or Criteria	Monitoring Requirement Citation	Monitoring Type	Monitoring Frequency	Citation of Limit	Limit	Compliance	Corrective Actions Taken
Opacity	None	N/A	None	BAAQMD 6-1-301 and SIP 6-301	Ringelmann 1.0 for <3 minutes in any hour	Continuous	N/A
Particulate Matter (PM)	None	N/A	None	BAAQMD 6-1-311 And SIP 6-311	$E = 0.026(P)^{0.67}$ where: E = Allowable Emission Rate (lb/hr); and P = Process Weight Rate (lb/hr) Maximum Allowable Emission Rate = 40 lb/hr For P >57,320 lb/hr (or P > 28.66 tons/hr)	Continuous	N/A

## Appendix F – Title V Annual Compliance Certification

# NEWBY ISLAND LANDFILL

## TITLE V ANNUAL CERTIFICATION

<b>SITE:</b> NEWBY ISLAND LANDFILL	<b>FACILITY ID#:</b> A9013
<b>REPORTING PERIOD:</b> <i>from</i> 02/01/2020 <i>through</i> 01/31/2021	

### CERTIFICATION:

I declare, under penalty of perjury under the laws of the state of California, that, based on information and belief formed after reasonable inquiry, all information provided in this reporting package is true, accurate, and addresses all deviations during the reporting period:



02/26/2021

\_\_\_\_\_  
Signature of Responsible Official

\_\_\_\_\_  
Date

Daniel North  
Name of Responsible Official (please print)

General Manager  
Title of Responsible Official (please print)

### **Mail to:**

*Director of Compliance and Enforcement  
BAAQMD  
375 Beale Street, Suite 600  
San Francisco, CA 94105  
Attn: Title V reports*

# Compliance Certification Report

Reporting Period: 02/1/2020 to 01/31/2021

Zip Code: 95035

Site Name: Newby Island Landfill

City: Milpitas, CA

Source Name: Facility

Site #: A9013

Address: 1601 Dixon Landing Road

Source #: Facility

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Continuous or Intermittent	Notes
BAAQMD Regulation 1	General Provisions and Definitions (5/4/11)	N	C	
SIP Regulation 1	General Provisions and Definitions (6/28/99)	Y	C	
BAAQMD Regulation 2, Rule 1	Permits – General Requirements (4/18/12)	N	C	
BAAQMD 2-1-429	Permits – General Requirements: Federal Emissions Statement (12/21/04)	N	C	
SIP Regulation 2, Rule 1	Permits - General Requirements (1/26/99)	Y	C	
SIP Regulation 2-1-429	Permits – General Requirements: Federal Emissions Statement (4/3/95)	Y	C	
BAAQMD Regulation 2, Rule 5	Permits – New Source Review of Toxic Air Contaminants (1/6/10)	N	C	
BAAQMD Regulation 5	Open Burning (7/9/08)	N	C	
SIP Regulation 5	Open Burning (9/4/98)	Y	C	
BAAQMD Regulation 6, Rule 1	Particulate Matter – General Requirements (12/5/07)	N	C	
SIP Regulation 6	Particulate Matter and Visible Emissions (9/4/98)	Y	C	
BAAQMD Regulation 7	Odorous Substances (3/17/82)	N	C	
BAAQMD Regulation 8, Rule 1	Organic Compounds - General Provisions (6/15/94)	Y	C	
BAAQMD Regulation 8, Rule 2	Organic Compounds – Miscellaneous Operations (7/20/05)	N	C	
SIP Regulation 8, Rule 2	Organic Compounds – Miscellaneous Operations (3/22/95)	Y	C	
BAAQMD Regulation 8, Rule 3	Organic Compounds - Architectural Coatings (7/1/09)	N	C	
SIP Regulation 8, Rule 3	Organic Compounds - Architectural Coatings (1/2/04)	Y	C	
BAAQMD Regulation 8, Rule 4	Organic Compounds - General Solvent and Surface Coating Operations (10/16/02)	Y	C	
BAAQMD Regulation 8, Rule 15	Organic Compounds – Emulsified and Liquid Asphalts (6/1/94)	Y	C	
BAAQMD Regulation 8, Rule 16	Organic Compounds - Solvent Cleaning Operations (10/16/02)	Y	C	
BAAQMD Regulation 8, Rule 40	Organic Compounds – Aeration of Contaminated Soil and Removal of Underground Storage Tanks (6/15/05)	N	C	
SIP Regulation 8, Rule 40	Organic Compounds – Aeration of Contaminated Soil and Removal of Underground Storage Tanks (4/19/01)	Y	C	
BAAQMD Regulation 8, Rule 47	Organic Compounds – Air Stripping and Soil Vapor Extraction Operations (6/15/05)	N	C	



# Compliance Certification Report

Site #: A9013

Address: 1601 Dixon Landing Road  
Source #: Facility

Site Name: Newby Island Landfill

City: Milpitas, CA

Source Name: Facility

Reporting Period: 02/1/2020 to 01/31/2021

Zip Code: 95035

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Continuous or Intermittent	Notes
SIP Regulation 8, Rule 47	Organic Compounds – Air Stripping and Soil Vapor Extraction Operations (4/26/95)	Y	C	
BAAQMD Regulation 8, Rule 49	Organic Compounds - Aerosol Paint Products (12/20/95)	N	C	
SIP Regulation 8, Rule 49	Organic Compounds - Aerosol Paint Products (3/22/95)	Y	C	
BAAQMD Regulation 8, Rule 51	Organic Compounds - Adhesive and Sealant Products (7/17/02)	N	C	
SIP Regulation 8, Rule 51	Organic Compounds - Adhesive and Sealant Products (2/26/02)	Y	C	
BAAQMD Regulation 9, Rule 1	Inorganic Gaseous Pollutants – Sulfur Dioxide (3/15/95)	N	C	
SIP Regulation 9, Rule 1	Inorganic Gaseous Pollutants – Sulfur Dioxide (6/8/99)	Y	C	
BAAQMD Regulation 9, Rule 2	Inorganic Gaseous Pollutants – Hydrogen Sulfide (10/6/99)	N	C	
BAAQMD Regulation 11, Rule 1	Hazardous Pollutants – Lead (3/17/82)	N	C	
SIP Regulation 11, Rule 1	Hazardous Pollutants – Lead (9/2/81)	Y	C	
BAAQMD Regulation 11, Rule 2	Hazardous Pollutants - Asbestos Demolition, Renovation and Manufacturing (10/7/98)	N	C	
BAAQMD Regulation 11, Rule 14	Hazardous Pollutants - Asbestos Containing Serpentine (7/17/91)	N	C	
BAAQMD Regulation 12, Rule 4	Miscellaneous Standards of Performance - Sandblasting (7/11/90)	N	C	
SIP Regulation 12, Rule 4	Miscellaneous Standards of Performance - Sandblasting (9/2/81)	Y	C	
California Health and Safety Code Section 41750 et seq.	Portable Equipment	N	C	
California Health and Safety Code Section 44300 et seq.	Air Toxics “Hot Spots” Information and Assessment Act of 1987	N	C	
California Health and Safety Code Title 17, 93105	Asbestos Airborne Toxic Control Measure for Construction, Grading, Quarrying and Surface Mining Operations (7/26/01)	N	C	
California Health and Safety Code Title 17, 93106	Asbestos Airborne Toxic Control Measure for Asbestos Containing Serpentine (7/20/00)	N	C	
California Health and Safety Code Title 17, 93116	Airborne Toxic Control Measure for Diesel Particulate Matter from Portable Engines Rated at 50 Horsepower and Greater (2/19/11)	N	C	
40 CFR Part 61, Subpart A	National Emission Standards for Hazardous Air Pollutants – General Provisions (9/13/10)	Y	C	

# Compliance Certification Report

Site #: A9013

Address: 1601 Dixon Landing Road

Source #: Facility

Site Name: Newby Island Landfill

City: Milpitas, CA

Source Name: Facility

Reporting Period: 02/1/2020 to 01/31/2021

Zip Code: 95035

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Continuous or Intermittent	Notes
40 CFR Part 61, Subpart M	National Emission Standards for Hazardous Air Pollutants – National Emission Standard for Asbestos (7/20/04)	Y	C	

# Compliance Certification Report

**Site Name:** Newby Island Landfill      **Reporting Period:** 02/1/2020 to 01/31/2021  
**City:** Milpitas, CA      **Zip Code:** 95035

**Site #:** A9013  
**Address:** 1601 Dixon Landing Road  
**Source #:** S-2, S-5, S-6

**Source Name:** MSW Landfill - Waste Decomposition  
 Process Equipped with LFG Collection System (S-2),  
 abated Flares (A-2 and A-3), Waste and Cover Material  
 Dumping (S-5), Excavating, Bulldozing, and  
 Compacting Activities (S-6)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Continuous or Intermittent	Comments
<b>BAAQMD</b>				
<b>Regulation 1</b>	<b>General Provisions and Definitions (5/4/11)</b>			
1-523	Parametric Monitoring and Recordkeeping Procedures	N	C	
1-523.1	Parametric monitor periods of inoperation	Y	C	
1-523.2	Limit on duration of inoperation	Y	C	
1-523.3	Reporting requirement for violations of any applicable limits	N	C	
1-523.4	Records of inoperation, tests, calibrations, adjustments, & maintenance	Y	C	
1-523.5	Maintenance and calibration	N	C	
<b>SIP</b>				
<b>Regulation 1</b>	<b>General Provisions and Definitions (6/28/99)</b>			
1-523	Parametric Monitoring and Recordkeeping Procedures	Y	C	
1-523.3	Reports of Violations	Y	C	
1-523.5	Maintenance and calibration	Y	C	
<b>BAAQMD</b>				
<b>Regulation 6,</b>				
<b>Rule 1</b>	<b>Particulate Matter – General Requirements (12/5/07)</b>			
6-1-301	Ringelmann No. 1 Limitation	N	C	
6-1-305	Visible Particles	N	C	
6-1-310	Particle Weight Limitation (applies to Flares only)	N	C	
6-1-401	Appearance of Emissions	N	C	
<b>SIP</b>				
<b>Regulation 6</b>	<b>Particulate Matter and Visible Emissions (9/4/98)</b>			
6-301	Ringelmann No. 1 Limitation	Y	C	
6-305	Visible Particles	Y	C	
6-310	Particle Weight Limitation (applies to flare only)	Y	C	
6-401	Appearance of Emissions	Y	C	

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<b>BAAQMD Regulation 8, Rule 2</b>	<b>Organic Compounds – Miscellaneous Operations (7/20/05)</b>			
8-2-301	Miscellaneous Operations (applies to VOC-laden soil handling and disposal activities only)	Y	C	
<b>BAAQMD Regulation 8, Rule 34</b>	<b>Organic Compounds – Solid Waste Disposal Sites (6/15/05)</b>			
8-34-113	Limited Exemption, Inspection and Maintenance	Y	C	
8-34-113.1	Emission Minimization Requirement	Y	C	
8-34-113.2	Shutdown Time Limitation	Y	C	
8-34-113.3	Recordkeeping Requirement	Y	C	
8-34-116	Limited Exemption, Well Raising	Y	C	
8-34-116.1	New Fill	Y	C	
8-34-116.2	Limits on Number of Wells Shutdown	Y	C	
8-34-116.3	Shutdown Duration Limit	Y	C	
8-34-116.4	Capping Well Extensions	Y	C	
8-34-116.5	Well Disconnection Records	Y	C	
8-34-117	Limited Exemption, Gas Collection System Components	Y	C	
8-34-117.1	Necessity of Existing Component Repairs/Adjustments	Y	C	
8-34-117.2	New Components are Described in Collection and Control System Design Plan	Y	C	
8-34-117.3	Meets Section 8-34-118 Requirements	Y	C	
8-34-117.4	Limits on Number of Wells Shutdown	Y	C	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Continuous or Intermittent	Comments
8-34-117.5	Shutdown Duration Limit	Y	I	A subsurface oxidation (SSO) event was discovered at Newby Island on Saturday, May 2, 2020. Wells within a 300-foot and 500-foot radius were disconnected from vacuum. One vertical extraction well (NILEW691) was disconnected from vacuum greater than five consecutive days to prevent further air intrusion into the waste mass at Newby Island during the SSO event. Refer to the June 7, 2020 30-Day Deviation Report for additional information, including corrective actions taken.
8-34-117.6	Well Disconnection Records	Y	C	
8-34-118	Limited Exemption, Construction Activities	Y	C	
8-34-118.1	Construction Plan	Y	C	
8-34-118.2	Activity is Required to Maintain Compliance with this Rule	Y	C	
8-34-118.3	Required or Approved by Other Enforcement Agencies	Y	C	
8-34-118.4	Emission Minimization Requirement	Y	C	
8-34-118.5	Excavated Refuse Requirements	Y	C	
8-34-118.6	Covering Requirements for Exposed Refuse	Y	C	
8-34-118.7	Installation Time Limit	Y	C	
8-34-118.8	Capping Required for New Components	Y	C	
8-34-118.9	Construction Activity Records	Y	C	
8-34-301	Landfill Gas Collection and Emission Control System Requirements	Y	C	

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**Source Name:** MSW Landfill - Waste Decomposition Process Equipped with LFG Collection System (S-2), abated Flares (A-2 and A-3), Waste and Cover Material Dumping (S-5), Excavating, Bulldozing, and Compacting Activities (S-6)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Continuous or Intermittent	Comments
8-34-301.1	Continuous Operation	Y	I	<p>On November 27, 2019, the knock-out pot (KOP) at the Newby Island flare station reached capacity and caused the A-2 and A-3 Flares to shut down due to accumulation of excess liquid at the flare station. This resulted in the BAAQMD issuing Notice of Violation (NOV) No. A59432 on March 5, 2020. NOV Number A59432 is related to Reportable Compliance Activity (RCA) Numbers 07Q20 and 07Q21, assigned by the BAAQMD. For additional information, including corrective actions taken, please refer to the March 11, 2020 10-Day Deviation Letter and NOV Response Letter.</p>
				<p>On July 9, 2020, Telstar personnel were on site to conduct the annual flow meter calibration event for the A-2 and A-3 Flares. Following the annual flow meter calibration event, a pin to the A-2 Flare flow meter was damaged upon reinstallation of the unit, rendering it inoperable. On July 10, 2020 at approximately 18:22, the A-3 Flare shut down due to damages to the air combustion blower flow meter. For additional information, including corrective actions taken, please refer to the August 10, 2020 30-Day Deviation Letter.</p>

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Continuous or Intermittent	Comments
8-34-301.2	Collection and Control Systems Leak Limitations	Y	C	
8-34-301.3	Limits for Enclosed Flares (applies to A-2 & A-3 only)	Y	C	
8-34-301.4	Limits for Other Emission Control Systems (Permit Holder shall ensure that Facility # B1670 will comply with this requirement whenever landfill gas is vented to the IC Engines: S-2, S-3, S-4, S-5, S-8, S-9, S11; at Facility # B1670)			
8-34-303	Landfill Surface Requirements	Y	C	On September 25, 2020, at approximately 13:50, an electrical malfunction occurred at the flare station which caused the A-2 and A-3 Flares to automatically shut down. For additional information, including corrective actions taken, please refer to the October 5, 2020 30-Day Deviation Letter.
8-34-304	Gas Collection System Installation Requirements	Y	C	
8-34-304.1	Based on Waste Age For Inactive or Closed Areas	Y	C	
8-34-304.2	Based on Waste Age For Active Areas	Y	C	
8-34-304.3	Based on Amount of Decomposable Waste Accepted	Y	C	
				During a District inspection conducted on January 30, 2020, alleged surface leaks exceeding 500 ppmv were identified by BAAQMD staff. This resulted in the BAAQMD issuing Notice of Violation (NOV) No. A59431 on February 20, 2020. For additional information, including corrective actions taken, please refer to the February 28, 2020 10-Day Deviation Letter and NOV Response Letter.



# Compliance Certification Report

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Continuous or Intermittent	Comments
8-34-304.4	Based on NMOC Emission Rate	Y	C	
8-34-305	Wellhead Requirements (unless operating under alternative wellhead requirements)	Y	C	
8-34-305.1	Wellhead Vacuum Requirements	Y	C	
8-34-305.2	Wellhead Temperature Limit	Y	C	
8-34-305.3	Nitrogen Concentration Limit for Wellhead Gas or	Y	C	
8-34-305.4	Oxygen Concentration Limit for Wellhead Gas	Y	C	
8-34-405	Design Capacity Reports	Y	C	
8-34-408	Collection and Control System Design Plans	Y	C	
8-34-408.2	Sites With Existing Collection and Control Systems	Y	C	
8-34-411	Annual Report	Y	C	
8-34-412	Compliance Demonstration Tests	Y	C	
8-34-413	Performance Test Report	Y	C	
8-34-414	Repair Schedule for Wellhead Excesses	Y	C	
8-34-414.1	Records of Excesses	Y	C	
8-34-414.2	Corrective Action	Y	C	
8-34-414.3	Collection System Expansion	Y	C	
8-34-414.4	Operational Due Date for Expansion	Y	C	
8-34-415	Repair Schedule for Surface Leak Excesses	Y	C	
8-34-415.1	Records of Excesses	Y	C	
8-34-415.2	Corrective Action	Y	C	
8-34-415.3	Re-monitor Excess Location Within 10 Days	Y	C	
8-34-415.4	Re-monitor Excess Location Within 1 Month	Y	C	
8-34-415.5	If No More Excesses, No Further Re-Monitoring	Y	C	
8-34-415.6	Additional Corrective Action	Y	C	
8-34-415.7	Re-monitor Second Excess Within 10 days	Y	C	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Continuous or Intermittent	Comments
8-34-415.8	Re-monitor Second Excess Within 1 Month	Y	C	
8-34-415.9	If No More Excesses, No Further Re-monitoring	Y	C	
8-34-415.10	Collection System Expansion for Third Excess in a Quarter	Y	C	
8-34-415.11	Operational Due Date for Expansion	Y	C	
8-34-416	Cover Repairs	Y	C	
8-34-501	Operating Records	Y	C	
8-34-501.1	Collection System Downtime	Y	C	
8-34-501.2	Emission Control System Downtime	Y	C	
8-34-501.3	Continuous Temperature Records for Enclosed Combustors (applies to A-2 & A-3 only)	Y	C	
8-34-501.4	Testing	Y	C	
8-34-501.6	Leak Discovery and Repair Records	Y	C	
8-34-501.7	Waste Acceptance Records	Y	C	
8-34-501.8	Non-decomposable Waste Records	Y	C	
8-34-501.9	Wellhead Excesses and Repair Records	Y	C	
8-34-501.10	Gas Flow Rate Records for All Emission Control Systems	Y	C	
8-34-501.11	Records of Key Emission Control System Operating Parameters (Permit Holder shall ensure that Facility # B1670 will comply with this requirement whenever landfill gas is vented to the IC Engines: S-2, S-3, S-4, S-5, S-8, S-9, S11; at Facility # B1670)	Y	C	
8-34-501.12	Records Retention for 5 Years	Y	C	
8-34-503	Landfill Gas Collection and Emission Control System Leak Testing	Y	C	
8-34-504	Portable Hydrocarbon Detector	Y	C	
8-34-505	Well Head Monitoring	Y	C	
8-34-506	Landfill Surface Monitoring	Y	C	
8-34-507	Continuous Temperature Monitor and Recorder (applies to flare)	Y	C	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Continuous or Intermittent	Comments
8-34-508	Gas Flow Meter	Y	C	
8-34-509	Key Emission Control System Operating Parameter(s) (Permit Holder shall ensure that Facility # B1670 will comply with this requirement whenever landfill gas is vented to the IC Engines: S-2, S-3, S-4, S-5, S-8, S-9, S11; at Facility # B1670)	Y	C	
8-34-510	Cover Integrity Monitoring	Y	C	
<b>BAAQMD Regulation 8, Rule 40</b>	<b>Organic Compounds – Aeration of Contaminated Soil and Removal of Underground Storage Tanks (6/15/05)</b>			
8-40-110	Exemption, Storage Pile	Y	C	
8-40-112	Exemption, Sampling	Y	C	
8-40-113	Exemption, Non-Volatile Hydrocarbons	Y	C	
8-40-116	Exemption, Small Volume	Y	C	
8-40-116.1	Volume does not exceed 1 cubic yard	Y	C	
8-40-116.2	Volume does not exceed 8 cubic yards, organic content does not exceed 500 ppmw, may be used only once per quarter	Y	C	
8-40-117	Exemption, Accidental Spills	Y	C	
8-40-118	Exemption, Aeration Projects of Limited Impact	Y	C	
8-40-301	Uncontrolled Contaminated Soil Aeration	Y	C	
8-40-304	Active Storage Piles	Y	C	
8-40-305	Inactive Storage Piles	Y	C	
<b>BAAQMD Regulation 9, Rule 1</b>	<b>Inorganic Gaseous Pollutants – Sulfur Dioxide (3/15/95)</b>			
9-1-301	Limitations on Ground Level Concentrations (applies to A-2/A-3 only)	Y	C	
9-1-302	General Emission Limitations (applies to A-2/A-3 only)	Y	C	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Continuous or Intermittent	Comments
BAAQMD Regulation 9, Rule 2	Inorganic Gaseous Pollutants – Hydrogen Sulfide (10/6/99)			
9-2-301	Limitations on Hydrogen Sulfide	N	C	
40 CFR Part 60, Subpart A	Standards of Performance for New Stationary Sources – General Provisions (9/13/10)			
60.4	Address			
60.4(b)	Requires Submission of Requests, Reports, Applications, and Other Correspondence to the Administrator	Y	C	
60.7	Notification and Record Keeping	Y	C	
60.8	Performance Tests	Y	C	
60.11	Compliance with Standards and Maintenance Requirements	Y	C	
60.11(a)	Compliance determined by performance tests	Y	C	
60.11(d)	Control devices operated using good air pollution control practice	Y	C	
60.12	Circumvention	Y	C	
60.13	Monitoring Requirements	Y	C	
60.13(a)	Applies to all continuous monitoring systems	Y	C	
60.13(b)	Monitors shall be installed and operational before performing performance tests	Y	C	
60.13(e)	Continuous monitors shall operate continuously	Y	I	On July 11, 13, and 14, 2020, the A-2 Flare was not recording flow while the flare was in operation due to the breakdown of the A-2 Flow meter following the annual flow meter calibration event. For additional information, including corrective actions taken, please refer to the August 10, 2020 30-Day Deviation Letter.

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60.13(f)	Monitors shall be installed in proper locations	Y	C	
60.13(g)	Requires multiple monitors for multiple stacks	Y	C	
60.14	Modification	Y	C	
60.15	Reconstruction	Y	C	
60.19	General Notification and Reporting Requirements	Y	C	
<b>40 CFR Part 60, Subpart Cc</b>	<b>Standards of Performance for New Stationary Sources – Emission Guidelines and Compliance Times for Municipal Solid Waste Landfills (2/24/99)</b>			
60.36c	Compliance Times	Y	C	
60.36c(a)	Collection and Control Systems in Compliance by 30 months after Initial NMOC Emission Rate Report Shows NMOC Emissions $\geq$ 50 MG/year	Y	C	
<b>40 CFR Part 62</b>	<b>Approval and Promulgation of State Plans for Designated Facilities and Pollutants (9/20/01)</b>			
62.1115	Identification of Sources	Y	C	
<b>40 CFR Part 63, Subpart A</b>	<b>National Emission Standards for Hazardous Air Pollutants: General Provisions (12/22/08)</b>			
63.4	Prohibited activities and circumvention	Y	C	
63.5	Preconstruction review and notification requirements	Y		
63.5(b)	Requirements for existing, newly constructed, and reconstructed sources	Y	C	
63.6	Compliance with standards and maintenance requirements	Y	C	
63.6(e)	Operation and maintenance requirements and SSM Plan	Y	C	
63.6(f)	Compliance with non-opacity emission standards	Y	C	
63.10	Record keeping and reporting requirements	Y	C	
63.10(b)	General record keeping requirements	Y	C	

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63.10(b)(2)	For affected sources, maintain relevant records of:			
63.10(b)(2)(i-v)	Records for startup, shutdown, malfunction, and maintenance	Y	C	
63.10(b)	General reporting requirements	Y	C	
63.10(d)(5)	Startup, Shutdown, and Malfunction (SSM) Reports	Y	C	
<b>40 CFR Part 63, Subpart AAAA</b>	<b>National Emission Standards for Hazardous Air Pollutants: Municipal Solid Waste Landfills (4/20/06)</b>			
63.1945	When do I have to comply with this subpart?	Y	C	
63.1945(b)	Compliance date for existing affected landfills	Y	C	
63.1955	What requirements must I meet?	Y	C	
63.1955(a)	Comply with either 63.1955(a)(1) or (a)(2)	Y	C	
63.1955(a)(2)	Comply with State Plan that implements 40 CFR Part 60, Subpart Cc	Y	C	
63.1955(b)	Comply with 63.1960-63.1985, if a collection and control system is required by 40 CFR Part 60, Subpart WWW or a State Plan implementing 40 CFR Part 60, Subpart Cc	Y	C	
63.1955(c)	Comply with all approved alternatives to standards for collection and control systems plus all SSM requirements and 6 month compliance reporting requirements	Y	C	
63.1960	How is compliance determined?	Y	C	
63.1965	What is a deviation?	Y	C	
63.1975	How do I calculate the 3-hour block average used to demonstrate compliance?	Y	C	
63.1980	What records and reports must I keep and submit?	Y	C	

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63.1980(a)	Comply with all record keeping and reporting requirements in 40 CFR Part 60, Subpart WWW or the State Plan implementing 40 CFR Part 60, Subpart Cc, except that the annual report required by 40 CFR 60.757(f) must be submitted every 6 months	Y	C	
63.1980(b)	Comply with all record keeping and reporting requirements in 40 CFR Part 60, Subpart A and 40 CFR Part 63, Subpart A, including SSM Plans and Reports	Y	C	
<b>BAAQMD Condition # 10423</b>				
Part 1	Design capacity and waste acceptance rate limits (Regulations 2-1-234.3 and 2-1-301)	Y	C	
Part 2	Handling procedures for soils containing VOCs (Regulation 8-40-301, 8-40-304, and 8-40-305)	Y	C	
Part 3	Emission limit for low VOC soils (Regulation 8-2-301)	Y	C	
Part 4	Particulate emission control measures (Regulations 2-1-403, 6-1-301, and 6-1-305)	Y	C	
Part 5	Control requirements for collected landfill gas (Regulation 8-34-301.1 and 8-34-404)	Y	C	
Part 6	Landfill gas collection system description (Regulations 2-1-301, 8-34-301.1, 8-34-304, and 8-34-305)	Y	C	
Part 7	Landfill gas collection system operating requirements (Regulation 8-34-301.1)	Y	C	
Part 8	Flare heat input limits (Regulation 2-1-301)	Y	C	



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**Source #:** S-2, S-5, S-6

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Continuous or Intermittent	Comments
Part 9	Flare temperature limits (Regulation 2-5-301, 2-5-302, and 8-34-301.3)	Y	I	During the reporting period, there were four (4) instances where the A-3 Flare dropped below the 1,497 °F limit pursuant to NSPS XXXX §60.768 while the flare was in operation. These temperature deviations were identified during preparation of this report. A 10-day Title V deviation report will be submitted under a separate cover letter.
Part 10a	Landfill gas sulfur content limit and monitoring (Regulation 9-1-302)	Y	C	
Part 10b	Limits for flare gas NOx (RACT, Cumulative Increase)	Y	C	
Part 11	Annual source test (Regulations 8-34-301.3 and 8-34-412)	Y	C	
Part 12	Annual landfill gas characterization test (AB-2588 Air Toxics Hot Spots Act 2-5-302, and Regulation 8-34-412, and 9-1-302)	Y	C	
Part 13	Record keeping requirements (Cumulative Increase, Regulations 2-1-301, 2-6-501, 6-1-301, 6-1-3058-34-301, 8-34-304, and 8-34-501)	Y	C	
Part 14	Reporting periods and report submittal due dates for the Regulation 8, Rule 34 report (Regulation 8-34-411 and 40 CFR 63.1980(a))	Y	C	

# Compliance Certification Report

**Site #:** A9013      **Site Name:** Newby Island Landfill      **Reporting Period:** 02/1/2020 to 01/31/2021  
**Address:** 1601 Dixon Landing Road      **City:** Milpitas, CA      **Zip Code:** 95035  
**Source #:** S-3      **Source Name:** Composting Operation (S-3),  
 Water Truck (A-3)

Applicable Requirement	Regulation Title or Description of Requirement	Compliance (Y/N)	Continuous or Intermittent	Days out of compliance / Comments
<b>BAAQMD Regulation 6</b>	<b>Particulate Matter – General Requirements (12/5/07)</b>			
6-1-301	Ringelmann No. 1 Limitation	N	C	
6-1-305	Visible Particles	N	C	
6-1-401	Appearance of Emissions	N	C	
<b>SIP Regulation 6</b>	<b>Particulate Matter and Visible Emissions (9/4/98)</b>			
6-301	Ringelmann No. 1 Limitation	Y	C	
6-305	Visible Particles	Y	C	
6-401	Appearance of Emissions	Y	C	
<b>BAAQMD Regulation 8, Rule 2</b>	<b>Organic Compounds – Miscellaneous Operations (7/20/05)</b>			
8-2-301	Miscellaneous Operations	Y	C	
<b>BAAQMD Condition #8178</b>				
Part 1	Particulate emission control measures – material handling (Regulations 2-1-403, 6-1-301, and 6-1-305)	Y	C	
Part 2	Particulate emission control measures – roadways (Regulations 2-1-403, 6-1-301, and 6-1-305)	Y	C	
Part 3	Visible emissions and dust fallout (Regulations 1-301, 2-1-403, 6-1-301, and 6-1-305)	Y	C	
Part 4	Observation of Emissions Source (Regulations 2-1-403, 6-1-301, and 6-1-305)	Y	C	
Part 5	“Public Nuisance” permitting requirement (Regulations 1-301 and 2-1-317)	N	C	

# Compliance Certification Report

**Site #:** A9013      **Site Name:** Newby Island Landfill      **Reporting Period:** 02/1/2020 to 01/31/2021  
**Address:** 1601 Dixon Landing Road      **City:** Milpitas, CA      **Zip Code:** 95035  
**Source #:** S-4      **Source Name:** Non-Retail Gasoline Dispensing Facility

Applicable Requirement	Regulation Title or Description of Requirement	Compliance (Y/N)	Continuous or Intermittent	Days out of compliance / Comments
<b>BAAQMD Regulation 8, Rule 5</b>	<b>Organic Compounds – Storage of Organic Liquids (10/18/06)</b>			
8-5-116	Exemption, Gasoline Storage Tanks at Gasoline Dispensing Facilities	N	C	
<b>SIP Regulation 8, Rule 5</b>	<b>Organic Compounds – Storage of Organic Liquids (6/5/03)</b>			
8-5-206	Gas Tight	Y	C	
8-5-301	Storage Tank Control Requirements	Y	C	
8-5-303	Requirements for Pressure Vacuum Valves	Y	C	
8-5-303.1	Pressure Setting	Y	C	
8-5-303.2	Gas Tight	Y	C	
8-5-403	Inspection Requirements for Pressure Vacuum Valve			
8-5-501	Records	Y	C	
8-5-501.1	Types and amounts of materials stored	Y	C	
8-5-503	Portable Hydrocarbon Detector			
<b>BAAQMD Regulation 8, Rule 7</b>	<b>Organic Compounds – Gasoline Dispensing Facilities (11/6/02)</b>			
8-7-113	Tank Gauging and Inspection Exemption	Y	C	
8-7-114	Stationary Tank Testing Exemption	Y	C	
8-7-116	Periodic Testing Requirements Exemption	Y	C	
8-7-301	Phase I Requirements	Y	C	
8-7-301.1	Requirements for Transfers into Stationary Tanks, Cargo Tanks, and Mobile Refuelers	Y	C	
8-7-301.2	CARB Certification Requirements	Y	C	

# Compliance Certification Report

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**Address:** 1601 Dixon Landing Road      **City:** Milpitas, CA      **Zip Code:** 95035  
**Source #:** S-4      **Source Name:** Non-Retail Gasoline Dispensing Facility

Applicable Requirement	Regulation Title or Description of Requirement	Compliance (Y/N)	Continuous or Intermittent	Days out of compliance / Comments
8-7-301.3	Submerged Fill Pipe Requirement	Y	C	
8-7-301.5	Maintenance and Operating Requirement	Y	C	
8-7-301.6	Leak-Free and Vapor Tight Requirement for Components	Y	C	
8-7-301.7	Fitting Requirements for Vapor Return Line	Y	C	
8-7-301.8	Coaxial Phase I Systems Certified by CARB prior to January 1, 1994 may not be installed on New or Modified Systems	Y	C	
8-7-301.9	Anti-rotational Coupler or Swivel Adapter Required	Y	C	
8-7-301.10	Vapor Recovery Efficiency Requirements for New and Modified Systems	Y	C	
8-7-301.12	Spill Box Drain Valve Limitation			
8-7-301.13	Annual Vapor Tightness Test Requirement	Y	C	
8-7-302	Phase II Requirements	Y	C	
8-7-302.1	Requirements for Transfers into Motor Vehicle Fuel Tanks	Y	C	
8-7-302.2	Maintenance Requirement	Y	C	
8-7-302.3	Proper Operation and Free of Defects Requirements	Y	C	
8-7-302.4	Repair Time Limit for Defective Components	Y	C	
8-7-302.5	Leak-Free and Vapor Tight Requirement for Components	Y	C	
8-7-302.6	Requirements for Bellows Nozzles	Y	C	
8-7-302.7	Requirements for Vapor Recovery Nozzles on Balance Systems	Y	C	
8-7-302.8	Minimum Liquid Removal Rate	Y	C	
8-7-302.9	Coaxial Hose Requirement	Y	C	
8-7-302.10	Construction Materials Specifications	Y	C	
8-7-302.12	Liquid Retain Limitation	Y	C	
8-7-302.13	Nozzle Spitting Limitation	Y	C	
8-7-302.14	Annual Back Pressure Test Requirements for Balance Systems	Y	C	
8-7-303	Topping Off	Y	C	
8-7-306	Prohibition of Use	Y	C	

# Compliance Certification Report

**Site #:** A9013      **Site Name:** Newby Island Landfill      **Reporting Period:** 02/1/2020 to 01/31/2021  
**Address:** 1601 Dixon Landing Road      **City:** Milpitas, CA      **Zip Code:** 95035  
**Source #:** S-4      **Source Name:** Non-Retail Gasoline Dispensing Facility

Applicable Requirement	Regulation Title or Description of Requirement	Compliance (Y/N)	Continuous or Intermittent	Days out of compliance / Comments
8-7-307	Posting of Operating Instructions	Y	C	
8-7-308	Operating Practices	Y	C	
8-7-309	Contingent Vapor Recovery Requirement	Y	C	
8-7-313	Requirements for New or Modified Phase II Installations	Y	C	
8-7-316	Pressure Vacuum Valve Requirements, Aboveground Storage Tanks and Vaulted Below Grade Storage Tanks	Y	C	
8-7-401	Equipment Installation and Modification	Y	C	
8-7-406	Testing Requirements, New and Modified Installations	Y	C	
8-7-407	Periodic Testing Requirements	Y	C	
8-7-408	Periodic Testing Notification and Submission Requirements	Y	C	
8-7-501	Burden of Proof	Y	C	
8-7-502	Right of Access	Y	C	
8-7-503	Record Keeping Requirements	Y	C	
8-7-503.1	Gasoline Throughput Records	Y	C	
8-7-503.2	Maintenance Records	Y	C	
8-7-503.3	Records Retention Time	Y	C	
<b>40 CFR Part 63, Subpart A</b>	<b>National Emission Standards for Hazardous Air Pollutants-General Provisions (9/13/10)</b>			
63.4	Prohibited activities and circumvention	Y	C	
63.5	Preconstruction review and notification requirements	Y	C	
63.5(b)	Requirements for existing, newly constructed, and reconstructed sources	Y	C	
63.6	Compliance with standards and maintenance requirements	Y	C	
63.8	Monitoring requirements	Y	C	
63.10	Record keeping and reporting requirements	Y	C	
63.10(b)	General record keeping requirements	Y	C	
63.10(c)	Additional record keeping requirements for sources with continuous monitoring systems	Y	C	

# Compliance Certification Report

**Site #:** A9013      **Site Name:** Newby Island Landfill      **Reporting Period:** 02/1/2020 to 01/31/2021  
**Address:** 1601 Dixon Landing Road      **City:** Milpitas, CA      **Zip Code:** 95035  
**Source #:** S-4      **Source Name:** Non-Retail Gasoline Dispensing Facility

Applicable Requirement	Regulation Title or Description of Requirement	Compliance (Y/N)	Continuous or Intermittent	Days out of compliance / Comments
63.10(d)	General reporting requirements	Y	C	
63.10(e)	Additional reporting requirements for sources with continuous monitoring systems	Y	C	
<b>40 CFR Part 63, Subpart CCCCC</b>	<b>National Emission Standards for Hazardous Air Pollutants for Gasoline Dispensing Facilities (1/24/2011)</b>			
63.11110	What is the purpose of this subpart?	Y	C	
63.11111	Am I Subject to the requirements in this subpart	Y	C	
63.11111(a)	Each GDF that is located at an area source	Y	C	
63.11111(b)	Monthly throughput of 10,000 gallons of gasoline or less subject to 63.11116	Y	C	
63.11111(e)	Demonstrate their monthly throughput level as specified in 63.11112(d)	Y	C	
63.11111(i)	If throughput ever exceeds an applicable throughput threshold, the affected source will remain subject to the requirements for sources above the threshold	Y	C	
63.11112	What parts of my affected source does this subpart cover?	Y	C	
63.11112(a)	Gasoline storage tanks and associated equipment components in vapor or liquid gasoline service	Y	C	
63.11112(d)	An affected source is an existing affected source if it is not new or reconstructed	Y	C	
63.11113	When do I have to comply with this subpart?	Y	C	
63.11113(c)	If affected source becomes subject to control requirements in this subpart because of monthly throughput increases per 63.1111(c), you must comply with standard no later than 3 years after the affected source is subject to control requirements	Y	C	
63.11113(e)	Initial compliance demonstration test	Y	C	
63.11113(e)(2)	For existing affected source, you must conduct the initial compliance test as specified in paragraphs (e)(2)(i)	Y	C	
63.11113(e)(2)(i)	For vapor balance systems installed on or before December 15, 2009, you must test no later than 180 days after the applicable compliance date specified in paragraph c of this section	Y	C	

# Compliance Certification Report

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**Address:** 1601 Dixon Landing Road      **City:** Milpitas, CA      **Zip Code:** 95035  
**Source #:** S-4      **Source Name:** Non-Retail Gasoline Dispensing Facility

Applicable Requirement	Regulation Title or Description of Requirement	Compliance (Y/N)	Continuous or Intermittent	Days out of compliance / Comments
63.11115	What are my general duties to minimize emissions?	Y	C	
63.11115(a)	Operate and maintain affected source safety and to minimize emissions	Y	C	
63.11115(b)	Keep applicable records and submit reports as specified in 63.11125(d) and 63.11126(b)	Y	C	
63.11116	Requirements for facilities with monthly throughput of less than 10,000 gallons of gasoline	Y	C	
63.11116(a)	Gasoline handling requirements	Y	C	
63.11116(a)(1)	Minimize gasoline spills	Y	C	
63.11116(a)(2)	Clean up spills as expeditiously as practicable	Y	C	
63.11116(a)(3)	Cover all open gasoline containers and all gasoline storage tank fill-pipes with a gasketed seal when not in use	Y	C	
63.11116(a)(4)	Minimize gasoline sent to open waste collection systems that collect and transport gasoline to reclamation and recycling devices- such as oil/water separators	Y	C	
63.11117	Requirements for facilities with monthly throughput of 10,000 gallons of gasoline or more	Y	C	
63.11117(a)	Comply with the requirements in section 63.11116(a)	Y	C	
63.11117(b)	Only load gasoline into storage tanks utilizing submerged filling as defined in 63.11132 and as specified below	Y	C	
63.11117(b)(1)	Submerged fill pipes installed on or before November 9, 2006 must be no more than 12 inches from the bottom of the tank.	Y	C	
63.11117(d)	Throughput records available within 24 hours	Y	C	
63.11117(e)	You must submit the applicable notification as specified in 63.11124(a)	Y	C	
63.11117(f)	You must comply with the requirements of this subpart by the applicable dates contained in 63.11113	Y	C	
63.11124	What notifications must I submit and when?	Y	C	
63.11124(a)	If subject to the control requirements in Section 63.11117, you must comply with (a)(1-3)	Y	C	
63.11124(a)(3)	Waiver of notification requirements if operating in compliance with a local or state requirement	Y	C	



# Compliance Certification Report

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**Address:** 1601 Dixon Landing Road      **City:** Milpitas, CA      **Zip Code:** 95035  
**Source #:** S-4      **Source Name:** Non-Retail Gasoline Dispensing Facility

Applicable Requirement	Regulation Title or Description of Requirement	Compliance (Y/N)	Continuous or Intermittent	Days out of compliance / Comments
63.11125	What are my recordkeeping requirements?	Y	C	
63.11125(d)	Keep records as specified in paragraphs (d)(1) and (d)(2) of this section	Y	C	
63.11125(d)(1)	Records of the occurrence and duration of each malfunction of operation or of air pollution control and monitoring equipment	Y	C	
63.11125(d)(2)	Records of actions taken during periods of malfunction to minimize emissions in accordance with Section 63.1115(a)	Y	C	
63.11126	What are my reporting requirements?	Y	C	
63.11126(b)	Each owner or operator of an affected source under this subpart shall report by March 15 of each year, the number, duration and a brief description of each type of malfunction which occurred during the previous calendar year and which caused any applicable emission limitation to be exceeded.	Y	C	
63.11130	What parts of the General Provisions apply to me?	Y	C	
Table 3 to Subpart C of Part 63	Applicability of General Provisions	Y	C	
BAAQMD Condition # 14098	Gasoline Annual Throughput Limit (Regulation 2-5-301)	N	C	
BAAQMD Condition # 16516	Annual (every 12 month) static pressure testing (leak test) including BAAQMD notification, protocols, reporting requirements.	N	C	
State of California, Air Resources Board, Executive Order G-70-148-A	Certification of Hoover Containment Systems, Inc. "Lube Cube" Aboveground Filling/Dispensing Vapor Recovery System (05/04/95)	N	C	

# Compliance Certification Report

**Site #:** A9013  
**Address:** 1601 Dixon Landing Road  
**Source #:** S-4

**Site Name:** Newby Island Landfill  
**City:** Milpitas, CA  
**Source Name:** Non-Retail Gasoline Dispensing Facility

**Reporting Period:** 02/1/2020 to 01/31/2021  
**Zip Code:** 95035

Applicable Requirement	Regulation Title or Description of Requirement	Compliance (Y/N)	Continuous or Intermittent	Days out of compliance / Comments
State of California, Air Resources Board, Executive Order G-70-102-A	Certification of a Phase I Vapor Recovery System for Aboveground Storage Tanks with Less Than 40,000 Gallons Capacity for Gasoline or Gasoline/Methanol Blended Fuel (5/25/93)	N	C	
State of California, Air Resources Board, Executive Order G-70-52-AM	Certification of Components for Red Jacket, Hirt, and Balance Phase II Vapor Recovery System (10/4/91)	N	C	

# Compliance Certification Report

**Site #:** A9013      **Site Name:** Newby Island Landfill      **Reporting Period:** 02/1/2020 to 01/31/2021  
**Address:** 1601 Dixon Landing Road      **City:** Milpitas, CA      **Zip Code:** 95035  
**Source #:** S-8, S-9      **Source Name:** Horizontal Grinder/Operation (S-8), Trommel Screen/Operation (S-9)

Applicable Requirement	Regulation Title or Description of Requirement	Compliance (Y/N)	Continuous or Intermittent	Days out of compliance / Comments
<b>BAAQMD Regulation 1</b>	<b>General Provisions and Definitions (5/4/11)</b>			
1-301	Public Nuisance	N	C	
<b>BAAQMD Regulation 6, Rule 1</b>	<b>Particulate Matter – General Requirements (12/5/07)</b>			
6-1-301	Ringelmann No. 1 Limitation	N	C	
6-1-305	Visible Particles	N	C	
6-1-311	Process Weight Limitation	N	C	
6-1-401	Appearance of Emissions	N	C	
<b>SIP Regulation 6</b>	<b>Particulate Matter and Visible Emissions (9/4/98)</b>			
6-301	Ringelmann No. 1 Limitation	Y	C	
6-305	Visible Particles	Y	C	
6-311	Process Weight Limitation	Y	C	
6-401	Appearance of Emissions	Y	C	
<b>Registration</b>	<b>CARB Statewide Portable Equipment Registration Conditions</b>			
<b>#149997</b>	Parts 1-7, 19-26 and 33 for S-8	N	C	
<b>#125994</b>	Parts 1-7, 29-25, and 23-35 for S-9	N	C	