

April 22, 2024  
File No. 01204123.25, Task 10

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Subject: March 2024 Monthly Report for Modified Stipulated Order for Abatement (Case No. 6177-4), Chiquita Canyon Landfill (Facility ID 119219), Castaic, California

To Whom It May Concern:

SCS Engineers (SCS), on behalf of Chiquita Canyon, LLC (Chiquita), hereby provides the South Coast Air Quality Management District (SCAQMD) with a monthly report per the Modified Stipulated Order for Abatement (SOFA) (Case No. 6177-4). The SOFA was initially approved on September 6, 2023, and was subsequently modified on January 17, 2024, and again on March 21, 2024.

This report covers the monthly period for March 2024. Per Condition No. 8, the monthly report for March 2024 shall be due on the 20<sup>th</sup> of each month, or the following business day, or April 22, 2024.

## BACKGROUND

Chiquita Canyon Landfill (CCL) is a landfill/solid waste disposal facility located at 29201 Henry Mayo Dr., Castaic, California, 91384 (SCAQMD Facility No. 119219). In connection with the landfill, Chiquita operates a landfill gas collection and control system.

In 2023, CCL began experiencing increased levels of total reduced sulfur and sulfur oxides, in noncompliance with its Title V permit.<sup>1</sup> In addition, CCL became the subject of numerous odor complaints from the public and was issued Notices of Violation by SCAQMD. The conditions at CCL indicate that the landfill is undergoing an elevated temperature landfill (ETLF) event. On September 6, 2023, a hearing was held before the SCAQMD Hearing Board to approve the SOFA which includes numerous measures to mitigate emissions resulting from the landfill's ETLF conditions. The SOFA was approved on September 6, 2023. Since then, the SOFA was modified on January 17, 2024, and again on March 21, 2024, after hearings before the SCAQMD Hearing Board. This monthly report is following the approved conditions for the SOFA modified on March 21, 2024.

Condition No. 8 of the SOFA requires monthly reports to be submitted via email to Baitong Chen, Nathaniel Dickel, and Christina Ojeda of the SCAQMD, which include the following information:

- A. *The landfill gas sulfur compounds measurements and laboratory analysis with the time and date of each measurement or sample collection, as identified in Condition No. 5.*

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<sup>1</sup> CCL operated under an Ex Parte Emergency Variance (approved on February 8, 2023), an Interim Variance (approved on February 15, 2023 and issued in final on March 7, 2023), and a Regular Variance (approved on May 3, 2023 and issued in final on May 16, 2023). The Regular Variance ended on September 6, 2023, the effective date of the initial SOFA. The SOFA was modified on January 17, 2024, and again on March 21, 2024.



- B. *The landfill gas records and calculations identified in Condition No. 7, in a Microsoft Excel spreadsheet format.*
- C. *The integrated landfill surface sample analysis and landfill surface monitoring readings identified in Condition Nos. 9 and 10, in a Microsoft Excel spreadsheet format.*
- D. *Estimated schedule for any replacement or refurbishment of granular activated carbon media in the Landfill Gas Treatment System (under Permit G55163, A/N 603249) identified in Condition No. 3. The landfill gas temperature at inlet of the Landfill Gas Treatment System (under Permit G55163, A/N 603249) identified in Condition No. 3(a).*
- E. *Description of any problems or delays, if any, encountered or projected to occur pertinent to the execution of contracts, as well as the delivery, replacement, startup, and testing of any operation necessary to replenish and/or replace spent granular activated carbon media in the Landfill Gas Treatment System (under Permit G55163, A/N 603249). Respondent shall submit copies of documents or other records to support any problems or delays noted pursuant to this Condition No. 8(e) along with such description.*
- F. *Specifications of the equipment and materials used for the weekly colorimetric tests (only if there is a change from the previously provided specifications of the colorimetric instrumentation or method used).*
- G. *All wellhead temperature, temperature probe, and CO concentration readings, lab analysis, and Draeger tube readings for landfill gas from the past month in a Microsoft Excel spreadsheet format.*
- H. *A graphic map showing location of each well with temperature exceedances (above 145 degrees Fahrenheit), each well with CO exceedances (above 1,000 ppmv and below 1,500 ppmv, and above 1,500 ppmv), and stratification of temperature ranges during that month, which includes a description of any remedial measures taken to address or lower gas well temperatures.*
- I. *All vertical liquid impacted landfill gas wells, per Condition No. 17, including a description of any remedial measures taken to address or reduce liquids in landfill gas wells.*
- J. *Updates on the investigation into the availability, viability, and utilization, including pilot testing if needed, of an alternative sulfur compound treatment system that controls, treats, or removes dimethyl sulfide (“DMS”) and other sulfur compounds, if any.*
- K. *A summary report on SCS’s implemented improvements to the landfill gas collection system.*
- L. *An inspection log for landfill cover inspections, pursuant to Condition No. 30.*
- M. *Any subsequent additions to the landfill gas collection system, pursuant to Condition No. 15.*
- N. *Any subsequent additions to the landfill gas condensate or leachate collection system, such as dewatering sumps/pumps, or other dewatering work performed per the dewatering guidelines and implementation plan pursuant to Condition No. 18.*
- O. *Updates on the procurement and installation of the geosynthetic cover(s), pursuant to Condition No. 31.*
- P. *Updates on landfill excavation work subject to Rule 1150, including excavation location(s) (that are identified on graphic map(s) of the landfill), and excavated/exposed waste characteristics (saturated, semi-dry, dry, odor type and intensity, etc.) Excavation work occurring pursuant to an exemption as listed in South Coast AQMD Rule 1150(c)(3), or Rule 1150(c)(2) that is performed in the Reaction Area, must also be included in these updates.*
- Q. *Updates regarding leachate including:*
  - i. *Leachate temperature recordings pursuant to Condition No. 27(a);*
  - ii. *Daily log of inspection findings and containment activities pursuant to Condition 27(b);*



- iii. Weekly record of leachate seepage and pooling pursuant to Condition 27(c);
- iv. Quantity of leachate measured, and associated company name and physical address of the off-site disposal/treatment facility(ies) that receive leachate generated by the landfill, pursuant to Condition 27(d); and
- v. A list of all hazardous and non-hazardous liquid storage and treatment facilities that have been contacted and current status of each facility including available, contracted, and utilized capacity to receive hazardous and non-hazardous landfill liquids.

Pursuant to Condition No. 29, these monthly reports must also include the following:

*Respondent shall ensure it has proper capacity (based on reporting pursuant to Condition 8) to accumulate onsite and/or dispose of collected liquids/leachate at an appropriate facility or facilities.*

Pursuant to Condition No. 35, these monthly reports must also include the following:

*Respondent shall provide updates to these QA/QC documents (if any) and a log for calibration, and maintenance activities performed on the monitors in the monthly reports pursuant to Condition No. 8.*

Pursuant to Condition No. 55(g), these monthly reports must also include the following:

*Respondent maintains records of condensate sampling/analysis results to demonstrate the liquid is non-hazardous, maintains records of daily condensate injection flows (gallons per day), and provides these records in the monthly report pursuant to Condition No. 8*

Pursuant to Condition No. 68, these monthly reports must also include the following:

*Respondent shall by May 31, 2024, install appropriately ranged differential pressure gauges, with at least 0.01 inches water column resolution, or pressure gauge otherwise approved in writing by South Coast AQMD, on each leachate storage tank. Respondent shall monitor and record daily the differential pressure of each leachate tank, tank identification number, date and time of the reading, and the personnel that conducted the reading. Pressure gauges shall be calibrated according to manufacturer specifications and schedule. Respondent shall report all the recordings in the monthly report pursuant to Condition No. 8.*

#### **Section A – LFG Sulfur Compound Measurements During Reporting Period**

**The LFG sulfur compounds measurements and laboratory analysis with the time and date of each measurement or sample collection, as identified in Condition No. 5.**

*Condition No. 5: Respondent shall sample, analyze, and record the landfill gas sulfur compounds combusted in each flare (as measured at sampling location FL-150 that is representative of the gas combusted in the flares under Permit G73696, A/N 45450; A/N 624296), in the thermal oxidizer/flare, and in any other landfill gas control equipment operating on site at least once each week using colorimetric tests for H<sub>2</sub>S and at least once each day sample for analysis for total sulfur compounds as H<sub>2</sub>S using South Coast AQMD Method 307-91. Additionally, Respondent shall sample,*

*analyze, and record the landfill gas sulfur compounds and speciated organic compounds found in the raw, pre-treatment and pre-control, landfill gas collected from the Reaction Area (as defined in Condition 9(a)) at least once each calendar month for total sulfur compounds as H<sub>2</sub>S using South Coast AQMD Method 307-91 and for speciated organic compounds using U.S. Environmental Protection Agency (EPA) Method TO-15.*

- a. Respondent shall record South Coast AQMD Method 307-91 analysis upon receipt of laboratory analysis report. Each recorded measurement or result shall be documented with the time and date when the measurement or sample collection was conducted, and initialed by the personnel that conducted the measurement or sample collection.*
- b. Sulfur compound readings and analysis shall be reported to South Coast AQMD pursuant to Condition No. 8.*
  - i. Tedlar bags used for Method 307-91 sampling and analysis shall not contain droplets or debris.*
  - ii. Colorimetric tube readings shall be conducted by taking a reading from a Tedlar bag sample using an appropriate colorimetric tube sample collection pump. All sampling shall be performed in accordance with the operational manual for the colorimetric tube sample collection pump.*
  - iii. Colorimetric tube readings shall use colorimetric tubes of appropriate concentration range and shall be reported as follows:*
    - 1. Respondent shall first use the estimated appropriately ranged colorimetric tube.*
    - 2. If the resulting reading reaches the upper concentration of the colorimetric tube concentration range, subsequent reading(s) shall be taken using a colorimetric tube with a concentration range that has a larger upper concentration threshold until the result is not the upper concentration threshold of the concentration range. Report the tube concentration range and tube concentration result for each reading.*
    - 3. If the reading results in the lower concentration of the colorimetric tube concentration range or does not register a result, subsequent reading(s) shall be taken using a colorimetric tube with a concentration range that has a smaller lower concentration threshold, if available, until the colorimetric tubes available to the facility result in:*

- a. *A reading that is within the concentration range of the tube,*
  - b. *A reading is the lower concentration of the colorimetric tube concentration range, or*
  - c. *The colorimetric tube does not register a result.*
4. *When the result is the lower concentration of the colorimetric tube concentration range or does not register a result, the lower concentration of the colorimetric tube concentration shall be considered the concentration result. Report the tube concentration range and tube concentration result for each reading. If a lower range colorimetric tube is not used and the tube concentration result is below the lower range of the colorimetric tube used, Respondent shall report the result as "less than" or "<" the lower range value of the tube. Notwithstanding the foregoing, Respondent shall ensure that the colorimetric tube result is below the upper range of the colorimetric tube used and shall report the precise result of all results above the lowest range of the colorimetric tube used.*

The lab analyses performed, and reports received for the reporting period that are required by Condition 5, are presented in **Attachment A**. The FL-2009 (Flare 2) samples are representative of the landfill gas combusted in the flares under Permit G73696 (A/N 45450; A/N 624296). The Zeeco Inlet sample is raw, pre-treatment and pre-control, landfill gas (LFG) collected from the Reaction Area. This report includes analytical data sampled between March 1, 2024 and March 31, 2024. Tedlar bag samples were collected and analyzed by SCAQMD Method 307.91 for hydrogen sulfide and reduced sulfur compounds. The laboratory reports were received on March 4, 6, 14 and, 29, and April 2 and 10, 2024. The Zeeco thermal oxidizer (TOx) was sampled for TO-15 analysis on March 22 and 23, 2024 (reported on April 11, 2024). FL-2009 was sampled for TO-15 analysis on March 25, 2024 (reported on April 10, 2024).

Weekly colorimetric tests (Dräger tube) samples required by, and conducted pursuant to, Condition 5(b)(ii) and (iii) are identified in **Attachment F**. Daily colorimetric testing began on February 14, 2024 as required by the Rule 431.1 Alternative Monitoring Plan with total reduced sulfur (TRS) above 150 parts per million by volume (ppmv).

A summary of the colorimetric tests and laboratory analyses for LFG sulfur analyses is provided in the table below, covering the period of March 2024:

Date Sampled	Permanent Flare Station					Zeeco TOx (Reaction Area)			
	Flare	Draeger Tube (ppmv)	Lab Analysis (ppmv)			Draeger Tube (ppmv)	Lab Analysis (ppmv)		
			H2S	H2S	DMS		TRS	H2S	H2S
3/1/24	FL-2009	29	31.5	162	240.0	350	408	943	1842.2
3/2/24	FL-1995	36	42.6	181	291.9	350	397	1009	1966.4
3/3/24	N/A	N/A	N/A	N/A	N/A	offline	N/A	N/A	N/A
3/4/24	FL-1995	49	59.3	237	411.7	offline	N/A	N/A	N/A
3/5/24	FL-2009	52	62.3	234	414.9	offline	N/A	N/A	N/A
3/6/24	FL-1995	55	67.7	226	390.4	offline	N/A	N/A	N/A
3/7/24	FL-2009	35	39	137	243.4	offline	N/A	N/A	N/A
3/8/24	FL-2009	39	45.3	247	366.4	offline	N/A	N/A	N/A
3/9/24	FL-1995	43	45	224	364.1	offline	N/A	N/A	N/A
3/10/24	N/A	N/A	N/A	N/A	N/A	offline	N/A	N/A	N/A
3/11/24	FL-1995	42	51.2	225	373.6	offline	N/A	N/A	N/A
3/12/24	FL-2009	30	41.7	243	403.5	offline	N/A	N/A	N/A
3/13/24	FL-2009	52	59.2	225	390.9	offline	N/A	N/A	N/A
3/14/24	FL-2009	29	33.5	238	382.1	offline	N/A	N/A	N/A
3/15/24	FL-2009	35	48.6	236	379.9	offline	N/A	N/A	N/A
3/16/24	FL-2009	48	50.8	212	349.3	offline	N/A	N/A	N/A
3/17/24	FL-2009	36	47.8	235	374.9	offline	N/A	N/A	N/A
3/18/24	FL-2009	47	60.4	227	383.8	offline	N/A	N/A	N/A
3/19/24	FL-2009	35	43.4	249	400.4	offline	N/A	N/A	N/A
3/20/24	FL-2009	50	59.6	242	417.6	offline	N/A	N/A	N/A
3/21/24	FL-2009	51	58.2	197	343.0	offline	N/A	N/A	N/A
3/22/24	FL-2009	57	67.9	192	338.2	375	N/A	N/A	N/A
3/23/24	FL-2009	49	52.9	205	325.8	300	322	647	1309.9
3/24/24	FL-2009	42	49.4	198	326.0	220	297	641	1284.0
3/25/24	FL-2009	59	58.2	200	339.7	225	288	639	1258.0
3/26/24	FL-2009	36	46.4	215	356.7	300	296	637	1279.5
3/26/24	FL-2023	36	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3/27/24	FL-2009	32	45.2	201	337.6	300	279	680	1329.5
3/28/24	FL-2009	60	64.2	200	350.1	300	278	578	1166.9
3/28/24	FL-2023	60	67.5	221	384.7	N/A	N/A	N/A	N/A
3/29/24	FL-2009	75	69.4	195	349.8	300	280	592	1178.9
3/30/24	FL-2009	70	66.9	213	376.0	380	322	653	1323.9
3/31/24	FL-2009	58	57	208	364.2	300	303	639	1281.3

\*N/A: Not Available

\*Flare 1 is FL-1995, Flare 2 is FL-2009, Flare 3 is FL-2023

\*Sunday March 3 and Sunday March 10 lab analysis were missed

\*The Zeeco TOx was offline from March 3, 2024 to March 21, 2024 due to a failed blower and periodically for routine maintenance including servicing the generator, exchange/cleaning of the detonation arrestor, and exchange/cleaning of the burner tips

\*March 26, 2024 and March 28, 2024 had two flare station samples and only one Zeeco sample

Above summarized lab analyses are included in **Attachment A** and **Attachment F**.

### **Section B – LFG Records and Calculations**

The landfill gas records and calculations identified in Condition No. 7, in a Microsoft Excel spreadsheet format.

*Condition No. 7: Respondent shall maintain a record of the following information, and provide such records to the South Coast AQMD pursuant to Condition No. 8:*

- a. The hourly and daily flow of landfill gas combusted, in standard cubic feet, in each flare (flares No. 1 & No. 2 under Permit G73696, A/N 645450; flare No. 3 under A/N 624296), the thermal oxidizer (under Envent Corporation A/N 645484), the second thermal oxidizer/flare (under Zeeco A/N 648539), and any other equipment used to combust or control landfill gas at the facility, and the total amount of landfill gas combusted at the facility;*
- b. The daily flow of landfill gas not flared, in standard cubic feet, if applicable; and*
- c. The results of the sulfur readings, sampling, and analyses, calculated as H<sub>2</sub>S with the time and date when each measurement or sample collection was conducted.*

The above-mentioned lab analyses required by Condition 7(c) are included in **Attachment A** and the calculations are available in **Attachment B**.

In accordance with Condition 7(a), the flow rates for each flare as standard cubic feet per minute (scfm), scf per hour, and scf per day are provided in the calculation tables, and the hourly and daily flow of LFG combusted for the Zeeco TOx are available in **Attachment B**. The Envent TOx went offline on January 31, 2024, and was removed from the site.

In accordance with Condition 7(b), the daily flow of LFG not flared is available in **Attachment B**. The Ameresco Plant was offline the entire month and Zeeco TOx went offline on several occasions during the month; therefore, there were excess emissions of LFG not flared on March 2, 3, 4, 12, 13, 14, 15, 17, 19, and 20, 2024 as shown in **Attachment B**. The Ameresco Plant has been offline since January 31, 2024 as Ameresco determines the proper disposal of their condensate. The Zeeco TOx was offline from March 3, 2024 to portions of March 21, 2024 due to a failed blower and periodically for routine maintenance including servicing the generator, exchange/cleaning of the detonation arrestor, and exchange/cleaning of the burner tips.

### **Section C – Surface Emissions Monitoring**

The integrated landfill surface sample analysis and landfill surface monitoring readings identified in Condition Nos. 9 and 10, in a Microsoft Excel spreadsheet format.

*Condition No. 9: Respondent shall collect integrated landfill surface samples for analysis across the Reaction Area (as defined in Condition 9(a)) at least every two*

*weeks as specified in Rule 1150.1 Attachment A 2.0. In the event Respondent is unable to sample specific landfill surface area(s) or grid(s) due to inaccessibility or dangerous conditions for a technician, Respondent shall document the date and the conditions that do not allow the sampling of the specific area(s) or grid(s). Documentation shall be sufficient to show the inaccessibility or dangerous conditions and may include weather forecasts and actual rainfall measurements, or photographs and/or videos that depict the site conditions that prevent such sampling activities for each specific area or grid affected.*

- a. The "Reaction Area" shall be defined initially by the boundary of Cells 1/2A, 2B/3, 4, and Module 2B/3/4 P2. The boundary of the Reaction Area shall be modified to include the associated landfill surface area of the cells and modules that experience well temperatures of at least 170 degrees Fahrenheit, settlement, cracks in the landfill cover, presence and quantity of liquids, the presence of hydrogen in the landfill gas, and readings of temperature probes (once data is available). The Reaction Committee (defined in Condition 12), shall transmit to the South Coast AQMD [attn: Baitong Chen, bchen@aqmd.gov; Nathaniel Dickel, ndickel@aqmd.gov; Christina Ojeda, cojeda@aqmd.gov]: 1) the revised map which clearly displays the proposed boundary change(s) and depicts the new Reaction Area; 2) a narrative summary explaining the rationale behind the proposed changes, including memorializing any dissenting view of any member of the Reaction Committee; 3) any supporting data relied upon in the decision to revise the Reaction Area; and 4) locations of each temperature probe, clearly distinguished from the landfill gas wells on the map*
- b. The Reaction Committee shall review applicable data and shall consider revision to the Reaction Area as frequently as appropriate but shall make a determination about whether to revise the Reaction Area map at least once per month, with the determination and revised Reaction Area map (if applicable) and temperature probe readings (once data is available) in an Excel format, submitted to the South Coast AQMD [attn: Baitong Chen, bchen@aqmd.gov; Nathaniel Dickel, ndickel@aqmd.gov; Christina Ojeda, cojeda@aqmd.gov] no later 7 days following the end of the month.*

*Condition No. 10: Respondent shall conduct instantaneous landfill surface monitoring across the Reaction Area (as defined in Condition 9(a)) at least every two weeks as specified in Rule 1150.1, Attachment A 3.0, beginning no later than seven (7) days after the issuance of this Order. In the event Respondent is unable to monitor specific landfill surface area(s) or grid(s) due to inaccessibility or dangerous conditions for a*

***technician, Respondent shall document the date and the conditions that do not allow the monitoring of the specific area(s) or grid(s).***

- March's integrated landfill surface sampling was completed on March 5 and 20, 2024, resulting in exceedances on March 5 and 20, 2024.
  - The 10-day Corrective Action and follow-up monitoring was completed for the March 5, 2024 exceedances on March 13, 2024, and showed compliant readings.
  - The 10-day Corrective Action and follow-up monitoring was completed for one grid exceedance from March 20, 2024 on March 26, 2024, and showed compliant readings.
  - The 10-day Corrective Action and follow-up monitoring was completed for three grid exceedances from March 20, 2024 on April 2, 2024, and showed compliant readings. This Corrective Action and follow-up monitoring was postponed due to unstable surface conditions and related health and safety concerns.
- As stated in the last monthly report, February's integrated landfill surface monitoring was conducted on February 10 and 24, 2024, resulting in exceedances on February 10 and 24, 2024.
  - The 10-day Corrective Action and follow-up monitoring was completed for the February 24, 2024 exceedances on March 4, 2024, and showed compliant readings except for three grids.
  - The second 10-day re-monitoring was completed for the three exceedances from March 4, 2024 on March 13, 2024, and showed compliant readings.
- March's instantaneous landfill surface monitoring was conducted on March 13, 26, and 27, 2024, resulting in exceedances on March 13, 26, and 27, 2024.
  - The 10-day Corrective Action and follow-up monitoring was completed for these exceedances on March 20 for the initial exceedances on March 13, and April 3 for the initial exceedances on March 26 and 27, 2024, respectively, and showed compliant readings.
  - The 1-month re-monitoring was conducted on April 12, 2024 for the exceedances on March 13, 2024, and showed compliant readings. The 1-month re-monitoring for the exceedances on March 26 and 27, 2024 will be conducted and reported in the next monthly report.



- As stated in the last monthly report, February's instantaneous landfill surface monitoring was conducted on February 14 and 28, 2024, resulting in exceedances on February 14 and 28, 2024.
  - The 10-day Corrective Action and follow-up monitoring was completed for these exceedances on February 22 and March 7, 2024, respectively, and showed compliant readings.
  - The 1-month re-monitoring was conducted on March 12, 2024 for the exceedances on February 14, 2024, and showed compliant readings.
  - The 1-month re-monitoring for fifteen exceedances on February 28, 2024 was conducted on March 26, 2024, and showed compliant readings.
  - The 1-month re-monitoring for nineteen exceedances on February 28, 2024 was conducted on April 2, 2024, and showed compliant readings. This 1-month re-monitoring was postponed due to unstable surface conditions and related health and safety concerns,

The integrated landfill surface sample analysis and landfill surface monitoring readings are included in **Attachment C**.

#### **Section D – Schedule for Replacement or Refurbishment of Granular Activated Carbon Media**

Estimated schedule for any replacement or refurbishment of granular activated carbon media in the Landfill Gas Treatment System (under Permit G55163, A/N 603249) identified in Condition No. 3. The landfill gas temperature at inlet of the Landfill Gas Treatment System (under Permit G55163, A/N 603249) identified in Condition No. 3(a).

*Condition No. 3: Respondent shall expedite, to the maximum extent feasible, replacement of granular activated carbon media in the Landfill Gas Treatment System (under Permit G55163, A/N 603249), including the execution of contracts, as well as the delivery, replacement, startup, and testing of any operation necessary to replenish and/or replace spent granular activated carbon media in the Landfill Gas Treatment System. Respondent shall ensure adequate stock of all odor control products and supplies are maintained on site.*

- a. Respondent shall monitor and record the landfill gas temperature at least daily at the inlet of the Landfill Gas Treatment System. The temperature of the landfill gas shall not exceed 145 F.*

The Landfill Gas Treatment System (LFGTS) currently consists of four carbon adsorber vessels. Only two or three of the four vessels are online during normal operations, with one vessel offline awaiting servicing to replace spent media or on standby with fresh granular activated carbon media. A vessel had been typically serviced every 4 to 8 weeks. Colorimetric tests are performed on the outlet of the operating vessels approximately weekly to determine if a vessel may require an adjustment to the flow or schedule service to replace the media.

H<sub>2</sub>S vessels are being changed out at a lower concentration to ensure that fresh carbon is available for treatment, and H<sub>2</sub>S levels are minimized. At the start of the reporting period (March 1, 2024), three vessels (ST-1, ST-3, and ST-4) were online processing the LFG with ST-4 partially open with the inlet valve at 20% open.

Vessel ST-2 has been offline due to damage from a thermal event on January 15, 2024. ST-2 is being evaluated for repair or replacement and will not be available until completed. As a vessel is refilled with fresh media, it will be brought partially online by the next regular business day to control the rise in temperature of the outlet gas so that it can be brought fully online when needed. The vessel change-out frequency has been shortened to approximately 2 to 3 weeks.

Vessel ST-4 change out was completed on March 4 and 5, 2024, filling with 30,000 pounds of COL-IPN60 granular activated carbon. On March 5, 2024, vessel ST-4 was slowly brought online to control the rise in temperature of the outlet gas and was fully online on March 8, 2024. Vessel ST-3 change out was started on March 14, 2024 and completed on March 18, 2024 with some delays to enable the crew to safely enter the vessel and repair the floor screen. The bottom screen required repairs, so the fresh media was installed on March 18, 2024. Vessel ST-3 was filled with 30,000 pounds of COL-IPN60 granular activated carbon. Vessel ST-3 was slowly brought fully online from March 18 to 24, 2024. At the end of the reporting period (March 31, 2024), three vessels (ST-1, ST-3, and ST-4) were online processing the LFG. The next change out has been scheduled for April 8, 2024.

The LFGTS inlet temperatures have been below 145° F. Daily vessel inlet temperatures were not recorded because they are not automatically logged by the control equipment, but they were observed during the daily blower flare station (BFS) inspections. Daily vessel inlet temperatures are manually recorded and available in **Attachment D**.

#### **Section E – Description of Problems or Delays**

**Description of any problems or delays, if any, encountered or projected to occur pertinent to the execution of contracts, as well as the delivery, replacement, startup, and testing of any operation necessary to replenish and/or replace spent granular activated carbon media in the Landfill Gas Treatment System (under Permit G55163, A/N 603249). Respondent shall submit copies of documents or other records to support any problems or delays noted pursuant to this Condition No. 8(e) along with such description.**

Due to the increase in temperature of the LFG when exposed to fresh media, the new vessels have been slowly brought online to avoid damaging the fiber reinforced plastic (FRP) vessels. This has been managed by starting the vessel with fresh media by the next business day after being filled with fresh media. The fresh media vessel will then be brought fully online when needed to reduce the H<sub>2</sub>S concentration of the LFG.

Vessel ST-3 media replacement was delayed and not completed until March 18, 2024 to complete the screen repair as noted in Section D.

#### **Section F – Specifications of Equipment and Materials for Weekly Colorimetric Tests**

**Specifications of the equipment and materials used for the weekly colorimetric tests (only if there is a change from the previously provided specifications of the colorimetric instrumentation or method used).**

The weekly colorimetric tests are completed with the Draeger Accuro 64000 bellows hand pump with either Draeger hydrogen sulfide colorimetric tubes Model 6728821 (2 to 200 ppm) or Model CH29801 (5 to 60 ppm). With the higher concentrations at the Zeeco TOx, Model CH29101 (100 to 2000 ppm) colorimetric tubes are used. The data sheet is provided in **Attachment F**. The specifications of the equipment and materials that have been used for the colorimetric test were previously included in the initial weekly variance report provided on February 13, 2023 in Case No. 6177-3, as required under the previous emergency variance. There has been no change in the specifications since the previous report submitted under the emergency variance.

### **Section G – Wellhead Temperature and CO Readings**

**All wellhead temperature and CO concentration readings, lab analysis, and Draeger tube readings for landfill gas from the past month in a Microsoft Excel spreadsheet format**

Wellhead temperature and CO concentration readings for the past month are included in **Attachment E**. Lab analysis and Draeger tube readings for the past month are included in **Attachment A** and **Attachment F**, respectively.

The temperature monitoring probes are still being installed, and temperature probe data will be incorporated once the probes are installed and operational.

### **Section H – Graphic Map**

**A graphic map showing location of each well with temperature exceedances (above 145 degrees Fahrenheit), each well with CO exceedances (above 1,000 ppmv and below 1,500 ppmv, and above 1,500 ppmv), and stratification of temperature ranges during that month, which includes a description of any remedial measures taken to address or lower gas well temperatures.**

A graphic map with the above information is included in **Attachment G**. An increased volume of gas is being extracted from elevated temperature wells located in the Reaction Area to help remove accumulated heat in the waste mass.

### **Section I – Status of Vertical Liquid Impacted Landfill Gas Wells**

**All vertical liquid impacted landfill gas wells, per Condition No. 17, including a description of any remedial measures taken to address or reduce liquids in landfill gas wells.**

*Condition No. 17: Respondent shall expeditiously dewater wells being impacted by liquids to the maximum extent feasible, and shall take proactive measures to remove additional liquids in the Reaction Area to limit the reaction severity and spread. This shall be accomplished through the installation of dewatering sumps/pumps of at least 60 percent of the landfill gas vertical extraction wells in the Reaction Area (as defined in Condition 9(a)) that are capable of extracting liquids by March 15, 2024 unless otherwise determined infeasible per Condition No. 17(a) below. Respondent shall provide updates in the monthly reports pursuant to Condition No. 8.*

- a. In the event Respondent determines that the installation of dewatering sump/pump of at least 60 percent of the landfill gas vertical extraction*

*wells that are capable of extracting liquids to be infeasible, Respondent shall provide detailed rationale and reasoning in the monthly report submitted pursuant to Condition No. 8, and shall continue with implementation of the dewatering guidelines pursuant to Condition No. 18 to remove liquids to the maximum extent possible.*

As described in last month's report, as of January 31, 2024, CCL installed pumps in 44 of 100 wells in the Reaction Area, representing 44% of the vertical extraction wells in the Reaction Area that are capable of extracting liquids. Since January 2024, CCL had to remove 42 of the pumps in wells within the Reaction Area as it no longer had an outlet for the disposal of the liquids. Because of this, CCL was unable to achieve installation of dewatering pumps in at least 60 percent of the landfill gas extraction wells capable of extracting liquids. As the site had no outlet for Leachate pumped in the month of March 2024, this was infeasible to achieve. Despite removing 42 pumps, Chiquita continued to implement the dewatering guidelines to the maximum extent possible and submitted revised dewatering guidelines per SCAQMD comments on April 4, 2024. CCL will continue to implement the revised dewatering guidelines to the maximum extent possible as pumping continues to increase with the availability of more outlets for the disposal of the liquids. The installation and operation of pumps has begun again as of March 22, 2024. CCL has 11 pumps re-installed and operational in vertical extraction wells within the Reaction Area as of March 31, 2024.

#### **Section J – Status of Investigation for Alternate Sulfur Compound Treatment Systems**

**Updates on the investigation into the availability, viability, and utilization, including pilot testing if needed, of an alternatives sulfur compound treatment system that controls, treats, or removes dimethyl sulfide (“DMS”) and other sulfur compounds, if any.**

SCS investigated the availability and viability of alternative sulfur compound treatment systems that control, treat, or remove dimethyl sulfide and other sulfur compounds. A preliminary list of alternative treatment systems is included below:

- Oxidation by Hypochlorite
- Oxidation by Peroxide
- Oxidation by Potassium Permanganate
- Bentonite or Zeolite Media Impregnated with Metal
- Reaction with Iron
- Reaction with Copper
- Biotreatment with Sulfur-Reducing Bacteria (SRBs)

A preliminary assessment of these treatment technologies was included in Attachment D of the February 27, 2023 status update report, submitted in compliance with the interim variance.

In addition to the preliminary list of alternative treatment systems, SCS investigated the use of a hydrogen re-former catalyst to convert all sulfur compounds to H<sub>2</sub>S and oxidation by Sodium Hydroxide. A reaction with nickel alternative treatment has been investigated but is not a preferred alternative as heat is required. Bench testing of stronger oxidation scrubbing solutions is ongoing to convert DMS to Dimethylsulfoxide (DMSO).

Testing of Oxidation by Hypochlorite was completed early November 2023 using the liquid scrubbers with the temporary Envent TOx located in the northwest area of the site. The initial analytical results indicate that sodium hypochlorite is able to reduce DMS from the gas stream by 88%, but its capacity to oxidize is diminished quickly in less than a week. Further analysis is needed to determine the effectiveness of sodium hypochlorite.

CCL was in the layout/process flow planning stage for an H<sub>2</sub>S and DMS treatment system and was working with Streamline Innovations on appropriate locations and approvals. On March 1, 2024, a notification for sulfur treatment bench-scale test was submitted to the SCAQMD. This notification is also provided in **Attachment H**.

CCL is also currently working with Clean Harbors and will be seeking a bench-scale test.

#### **Section K – SCS's Implemented Improvements**

**A summary report on SCS's implemented improvements to the landfill gas collection system.**

On March 22, 2024, CCL began re-installing pumps in wells as CCL was able to begin hauling pumped leachate off-site for disposal. CCL re-installed and began operating 11 pumps in vertical extraction wells as of March 31, 2024. An additional 15 wells were drilled, completed, and connected to the LFG collection system in March 2024. Due to rain and the inability to work safely with heavy equipment in wet and/or muddy conditions, the installation of additional vertical wells in March 2024 beyond the 15 installed was not possible. The new wells and wellfield were tuned, and the well laterals were installed to convey LFG from new wells to the flares and the Zeeco TOx.

#### **Section L – Cover Inspections to the LFG Collection System**

**An inspection log for landfill cover inspections, pursuant to Condition No. 30.**

*Condition No. 30: Respondent shall visually inspect the landfill cover around the Reaction Area (as defined in Condition 9(a)) each operating day and shall promptly repair any cover issues identified, which may include adding and spreading soil, wetting, and retracking the damaged area. Respondent shall maintain a log demonstrating that it has addressed any damages to the landfill cover, including the date the damage was identified, the action taken to repair the damage, and the time at which the repair was completed. Results of the daily inspection and the repair log required by this condition shall be included in the monthly reports required pursuant to Condition No. 8.*

Routine cover inspections and repairs were performed and logged throughout the month of March 2024. Results of the daily inspection and the repair log are provided in **Attachment I**. Chiquita has a full-time operator that is responsible for repairing covers in the Reaction Area. The cracks are repaired on an immediate and ongoing basis by the operator that makes such observations by tracking over the area and adding small amounts of water when necessary.

#### **Section M – Subsequent Additions to the LFG Collection System**

**Any subsequent additions to the landfill gas collection system, pursuant to Condition No. 15.**

***Condition No. 15: Respondent shall continue to evaluate and install, as needed, vertical dual extraction wells to collect both landfill gas and leachate. Respondent shall continue to expand the well-field as needed, and notify South Coast AQMD by October 31, 2023 of the number of wells added, attention to Baitong Chen, Air Quality Engineer, (bchen@aqmd.gov); Nathaniel Dickel, Senior Air Quality Engineer, (ndickel@aqmd.gov), and Christina Ojeda, Air Quality Inspector, (cojeda@aqmd.gov). Any subsequent additions to the well-field shall be documented in the monthly reports pursuant to Condition 8. In installing any additional wells, Respondent shall ensure it complies with all conditions in Respondent's currently operative landfill gas collection system permit. In installing any additional wells pursuant to this Condition, Respondent shall additionally take the following measures: (...)***

In the month of March 2024, 15 new vertical LFG extraction wells were installed in accordance with all conditions in the current LFG collection system permit and pursuant to all conditions in this SOFA. The 15 new vertical wells installed in March 2024 were part of a larger expansion of the well field, including, but not limited to, additional vertical LFG extraction wells, header and lateral piping, and associated valves that are being planned. The design and installation schedule of 70 additional wells and their associated piping was provided to SCAQMD on January 31, 2024, as required by Condition No. 15(a). Additional updates to this design and schedule to include an additional 73 wells beyond the original 70, and associate piping were submitted to SCAQMD on April 18, 2024. Subsequent additions to the system will be documented in these monthly reports.

#### **Section N – Additions to the LFG Condensate or Leachate Collection System**

Any subsequent additions to the landfill gas condensate or leachate collection system, such as dewatering sumps/pumps, or other dewatering work performed per the dewatering guidelines and implementation plan pursuant to Condition No. 18.

***Condition No. 18: Respondent shall, in addition to the installation of dewatering sumps/pumps specified in Condition No. 17 above, within ninety (90) days of the issuance of the Initial Order, provide proposed Reaction Area dewatering guidelines and implementation procedures for the landfill to South Coast AQMD (Baitong Chen, Air Quality Engineer, (bchen@aqmd.gov); Nathaniel Dickel, Senior Air Quality Engineer, (ndickel@aqmd.gov)) that include but are not limited to the following: (...)***

The dewatering guidelines were submitted to SCAQMD on December 5, 2023, and are posted on CCL's website. Revised dewatering guidelines to address SCAQMD comments received on March 13, 2024, were submitted to SCAQMD on April 4, 2024.

The evaluation of vertical wells for the installation of dewatering pumps is ongoing. Prior to March 2024, there were 44 active wells with dewatering pumps. In the month of February 2024, 42 pumps were removed from wells as CCL was no longer able to dispose of all leachate pumped on-site and pumping of vertical wells was forced to pause. The re-installation of pumps began in March 2024 and there are 11 active wells with operating dewatering pumps.

#### **Section O – Updates of the Geosynthetic Cover**

Updates on the procurement and installation of the geosynthetic cover(s), pursuant to Condition No. 31.

*Condition No. 31: Respondent shall install a geosynthetic cover over western portions of Module 2B/3/4 Phase 2, Module 2B/3, and Module 4 to limit the migration of landfill gas from the site. Respondent shall submit the completed design for the cover, which will provide greater definition to the cover location, including associated landfill gas extraction infrastructure to be installed underneath the cover, to the South Coast AQMD by September 12, 2023 (Baitong Chen, Air Quality Engineer, (bchen@aqmd.gov); Nathaniel Dickel, Senior Air Quality Engineer, (ndickel@aqmd.gov), and Christina Ojeda, Air Quality Inspector, (cojeda@aqmd.gov)). Respondent shall then obtain and install the geosynthetic cover material of at least 30 mil thickness. Respondent shall notify South Coast AQMD by October 31, 2023 (Baitong Chen, Air Quality Engineer, (bchen@aqmd.gov); Nathaniel Dickel, Senior Air Quality Engineer, (ndickel@aqmd.gov), and Christina Ojeda, Air Quality Inspector, (cojeda@aqmd.gov)) on the progress of procuring and installing the geosynthetic cover. Respondent shall include updates on the procurement and installation of the geosynthetic cover in the monthly reports pursuant to Condition 8.*

As discussed in prior monthly reports, the geosynthetic cover will cover western sloped areas of the Reaction Area, northern sloped areas of the Reaction Area, and the top deck of the Reaction Area. CCL's revised installation workplan was submitted to SCAQMD on March 13, 2024, and is attached as **Attachment J-1**. Since the March 13, 2024 submittal, CCL has updated the schedule for installation of geosynthetic cover, see **Attachment J-2**.

**West Slope Regrading:** CCL has completed grading the toe on the western slope of the Landfill to eliminate the bulge and smooth the slope.

**Existing Liner Repairs:** CCL has not yet been able to begin liner repairs because CCL continues to dewater the western slope to address leachate seepage. CCL completed drilling on the western slope as of January 9, 2024. Dewatering of the western slope was forced to pause in February and March 2024, but CCL is actively working to re-install and operate pumps in all wells on the west slope to dewater the western toe enough to repair the liner. Preparation of appropriate health and safety plans for the repair work is in process.

**Cutoff Trench:** Construction of the cutoff trench began in mid-November 2023 as CCL completed the western slope regrading. CCL will continue evaluating the plans for this trench as dewatering of the western slope continues.

**Clearing and Grubbing:** Clearing and grubbing of approximately 10 additional acres of the western slope and 3 acres of the north slope cover area was completed in March. Future clearing and grubbing will continue as cover construction progresses.

**Landfill Gas (LFG) Surface/Horizontal Collectors:** No surface collectors were installed in March 2024. Surface collectors are installed in conjunction with the geosynthetic cover and no geosynthetic cover was installed in March 2024 due to weather delays and slope stability concerns on the western slope; therefore, no surface collectors were installed. CCL will continue to install surface collectors as cover construction continues.

**Bench Grading:** CCL completed 1,300 feet of bench grading on the northern slope in March and is continuing to conduct bench grading in advance of the cover installation.



**Subgrade Prep:** No subgrade preparation was completed in March 2024. Subgrade preparation work is completed immediately prior to cover installation.

**Geosynthetic Cover Procurement:** The 30-mil geosynthetic cover material has been delivered to the site.

**Geosynthetic Cover Placement:** No geosynthetic cover was installed in March due to weather delays and slope stability concerns on the western slope. The total acreage of geosynthetic cover installed is 4.7 acres.

**Bench Collector & Operations Layer:** As noted in CCL's October 31 update, this work will begin once the geosynthetic cover material is in place at a large enough area to begin placement.

#### **Section P – Updates of the Landfill Excavation Work Subject to Rule 1150**

Updates on landfill excavation work subject to Rule 1150, including excavation location(s) (that are identified on graphic map(s) of the landfill), and excavated/exposed waste characteristics (saturated, semi-dry, dry, odor type and intensity, etc.) Excavation work occurring pursuant to an exemption as listed in South Coast AQMD Rule 1150(c)(3), or Rule 1150(c)(2) that is performed in the Reaction Area, must also be included in these updates.

No Rule 1150 excavation work was conducted in March 2024.

In March 2024, a total of 15 vertical wells were drilled, resulting in the excavation of waste. During the excavation of these 15 wells, the waste was observed as municipal solid waste and with moisture at deeper depths. Odors at all wells were consistent with typical LFG drilling operations and no notable reaction related odors were encountered during the drilling of all 15 wells. A map with a table describing the characteristics of the excavated waste is provided in **Attachment K**.

#### **Section Q – Updates of the Leachate**

Updates regarding leachate including:

*Condition No. 27: Respondent shall conduct the following actions and report them to South Coast AQMD [Baitong Chen, Air Quality Engineer, (bchen@aqmd.gov); Nathaniel Dickel, Senior Air Quality Engineer, (ndickel@aqmd.gov), and Christina Ojeda, Air Quality Inspector, (cojeda@aqmd.gov)] in each monthly report submitted pursuant to Condition No. 8 beginning with the report due on February 19, 2024:*

- i. Leachate temperature recordings pursuant to Condition No. 27(a);

*a. Measure and record the leachate temperature within the four (4) 6-inch inch leachate pipes feeding into the onsite frac tanks, and at the piping leading into the tanks at the bottom of the hill;*

The leachate temperature data for the pipes feeding into the tanks were collected on March 7, 2024 and are included in **Attachment L**.

ii. Daily log of inspection findings and containment activities pursuant to Condition 27(b);

*b. Respondent shall have dedicated staff or a contractor conduct and document inspections twice each calendar day, once in the morning, completing the inspection prior to 10 am, and once in the afternoon, starting the inspection at 1 pm at the earliest. The inspections shall begin with the surface of the Western and Northern slopes of the Reaction Area for liquid/leachate seepage and pooling and shall additionally consist of inspecting the facility's stormwater channel(s), and the facility's stormwater basin(s). Respondent shall maintain records from each inspection that include the details of any leachate seepage and pooling, including location(s) (identified on graphic map(s) of the landfill), time discovered, estimated duration of presence of leachate at such locations, the characteristics of the leachate (estimated quantity, extent of area impacted, odor type and intensity), the leachate saturation level of surrounding soils (standing free liquid, saturated, semi-dry, dry), and additional containment systems or measures deployed to route, collect, and contain the exposed leachate and prevent further leachate exposure;*

*i. In the event that two weeks of twice daily inspections show no exposed liquid/leachate seepage or pooling, Respondent may reduce the inspection frequency to once daily. If after another two weeks of daily inspections, no exposed liquid/leachate seepage or pooling is observed, Respondent may reduce the inspection frequency to once every other day during the operating week (i.e., three times each operating week). If at any point inspections show exposed liquid/leachate seepage or pooling, inspection frequency shall return to twice daily inspections.*

iii. Weekly record of leachate seepage and pooling pursuant to Condition 27(c);

*c. On a weekly basis, compile and report the details of the inspection logs from that calendar week required under Condition 27(b). Respondent shall additionally report on any ongoing leachate seepage and pooling at the landfill, found to have occurred at a location more than once within the calendar week, including location(s) (identified on graphic map(s) of the landfill), estimated duration of presence of leachate at such locations, characteristics of leachate (estimated quantity, extent of area impacted, odor type and intensity), leachate saturation of surrounding soils (standing free liquid, saturated, semi-dry, dry), and containment systems or measures deployed to route, collect, and contain the exposed leachate and prevent further leachate exposure. By no later than January 23, 2024, Respondent shall submit to South Coast AQMD [Baitong Chen, Air Quality Engineer, (bchen@aqmd.gov); Nathaniel Dickel, Senior Air Quality Engineer, (ndickel@aqmd.gov), and Christina Ojeda, Air Quality Inspector, (cojeda@aqmd.gov)], the first weekly report, and shall submit an additional weekly report every 7 calendar days thereafter;*

The daily logs of inspection findings and containment activities and the weekly reports of leachate seepage and pooling required by Conditions 27(b) and 27(c) are included in **Attachment M**.

- iv. **Quantity of leachate measured, and associated company name and physical address of the off-site disposal/treatment facility(ies) that receive leachate generated by the landfill, pursuant to Condition 27(d); and**

*d. Measure and record quantities of leachate sent off-site for disposal/treatment during the previous week for so long as all leachate is transported offsite for disposal. Records shall include the associated company name and physical address of the off-site disposal/treatment facility(ies) that receive leachate generated by the landfill. If Respondent begins onsite treatment, it shall also record on a weekly basis quantities of leachate collected and leachate treated onsite. Respondent shall report this information in the monthly reports pursuant to Condition 8(c). Respondent shall submit copies of the manifests to South Coast AQMD within three weeks of request.*

The quantity of leachate sent offsite for disposal/treatment, associated company name and physical address of the off-site disposal/treatment facilities are included in **Attachment N**. Chiquita began treating leachate onsite in February 2024. Details regarding the quality of leachate treated onsite is also included in **Attachment N**. Chiquita is providing this information to the best of its knowledge; this information is subject to change based on further review and verification.

- v. **A list of all hazardous and non-hazardous liquid storage and treatment facilities that have been contacted and current status of each facility including available, contracted, and utilized capacity to receive hazardous and non-hazardous landfill liquids.**

The chart below provides a list of each hazardous and non-hazardous liquid storage and treatment facility and its respective contracted and maximum available capacities. The available capacity is established by the storage and treatment facility and fluctuates daily, subject to change and adjustment by the facility. Chiquita utilizes all capacity made available by the facility to the extent liquids are available for disposal and to the extent feasible by the receiving facility.

Facility Name	Hazardous/Non- Hazardous	Contracted Capacity
Patriot	Non-Hazardous	40,000 gal/day
Avalon	Non-Hazardous	150,000 gal/day
East Valley Remediation	Non-Hazardous	60,000 gal/ day
Clean Harbor - UT	Hazardous	5,000 gal/day
Clean Harbor - NE	Hazardous	20,000 gal/day

Facility Name	Hazardous/Non- Hazardous	Contracted Capacity
Clean Harbor – TX*	Hazardous	0

\* Facility is currently closed for maintenance.

#### Section R – Proper Capacity

Updates on proper capacity:

*Condition No. 29. Respondent shall ensure it has proper capacity (based on reporting pursuant to Condition 8) to accumulate onsite and/or dispose of collected liquids/leachate at an appropriate facility or facilities.*

As demonstrated above in Section Q, CCL has proper capacity.

#### Section S – Monitoring Station Data

Updates regarding air monitoring stations:

*Condition No. 35. Respondent shall, by January 19, 2024, provide all standard operating procedures (SOPs) and any other Quality Control and Quality Assurance (QA/QC) documents describing the operation and maintenance of all instruments used at the air monitoring stations and/or enhanced monitoring stations specified in Condition No. 34. These QA/QC documents shall include detailed information on the calibration, and maintenance of the monitoring equipment and associated instrumentation, and procedures used for data handling, validation, and analysis. They shall additionally include the frequency/schedule of these actions. Respondent shall provide these QA/QC documents to South Coast AQMD [Baitong Chen, Air Quality Engineer, (bchen@aqmd.gov); Nathaniel Dickel, Senior Air Quality Engineer, (ndickel@aqmd.gov); Christina Ojeda, Air Quality Inspector, Payam Pakbin, Atmospheric Measurements Manager, ppakbin@aqmd.gov]]. Respondent shall provide updates to these QA/QC documents (if any) and a log for calibration, and maintenance activities performed on the monitors in the monthly reports pursuant to Condition No. 8.*

There were no updates or changes to the Air Monitoring AQ/QC documents during the reporting period. Monthly maintenance and quarterly maintenance were performed in March 2024. Maintenance activities were conducted at MS-01, MS-03, MS-06, MS-07, and MS-08. Maintenance activities included ePC replacement, particle profiler swap-outs, leak checks, gas and PM flow checks, filter replacements, PM zero flow checks, and internal temperature checks. The associated Field Data Sheets are found in **Attachment O**.

#### Section T – Condensate Sampling/Analysis

Records of condensate sampling/analysis results:

***Condition No. 55. Respondent maintains records of condensate sampling/analysis results to demonstrate the liquid is non-hazardous, maintains records of daily condensate injection flows (gallons per day), and provides these records in the monthly report pursuant to Condition No. 8***

Condensate injection is recorded at the flare station but is currently off until the condensate is analyzed and confirmed to be non-hazardous. Therefore, the condensate injection flows for March 2024 is zero.

**Section U – Records of Daily Tank Information**

Records of daily differential pressure of each leachate tank, tank identification number, date and time of the reading, and the personnel that conducted the reading.

***Condition No. 68. Respondent shall by May 31, 2024, install appropriately ranged differential pressure gauges, with at least 0.01 inches water column resolution, or pressure gauge otherwise approved in writing by South Coast AQMD, on each leachate storage tank. Respondent shall monitor and record daily the differential pressure of each leachate tank, tank identification number, date and time of the reading, and the personnel that conducted the reading. Pressure gauges shall be calibrated according to manufacturer specifications and schedule. Respondent shall report all the recordings in the monthly report pursuant to Condition No. 8***

The pressure gauges were not installed in March 2024, and there are no records available.

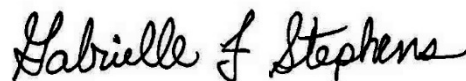
**CLOSING**

If you have any questions or need any additional information, please contact Cornelius Fong of SCS Field Services at (562) 743-7895 or either of the undersigned at (800) 326-9544.

Sincerely,



James J. Kim  
Senior Project Professional  
SCS Engineers



Gabrielle F. Stephens  
Vice President  
SCS Engineers

JJK/GFS/PSS

Enclosures

cc: Cornelius Fong, SCS Engineers; Steve Cassulo, Chiquita Canyon Landfill  
Enclosures

Attachment A

Lab Analyses from the Reporting Period



AtmAA Inc.

23917 Craftsman Rd., Calabasas, CA 91302 • (818) 223-3277

specialized air assessment laboratory  
atmaa.com

March 4, 2024

LTR/2364/24

Cornelius L. Fong  
SCS Engineers  
3900 Kilroy Airport Way  
Suite 100  
Long Beach, CA 90806

Re: Chiquita Canyon FL-2009

Dear Corn,

Please find enclosed the laboratory analysis reports, quality assurance summaries, and the chain of custody forms for a total of 13 Tedlar bag samples received February 19-March 1, 2024.

The Tedlar bag sample was analyzed for SCAQMD 307.91 total sulfur components as requested on the chain of custody forms.

Sincerely,

AtmAA, Inc.

Brian W. Fung  
Laboratory Director





**LABORATORY ANALYSIS REPORT**

Hydrogen Sulfide and Reduced Sulfur Compounds  
Analysis in Tedlar Bag Sample by SCAQMD Method 307.91

Report Date: March 4, 2024  
Client: SCS Engineers  
Project Location: Chiquita Canyon Landfill  
Project No.: 07214017.91 Task 2  
Date Sampled: March 1, 2024  
Date Received: March 1, 2024  
Date Analyzed: March 1, 2024

**ANALYSIS DESCRIPTION**

Total sulfur analysis measured by gas chromatography with sulfur chemiluminescence detector (SCD), SCAQMD 307.91.

AtmAA Lab No.: 20614-2  
Sample I.D.: FL-2009

<u>Components</u>	<i>(Concentration in ppmv)</i>
Hydrogen sulfide	31.5
Carbonyl sulfide	0.71
Methyl mercaptan	20.3
Ethyl mercaptan	<0.50
Dimethyl sulfide	162
Carbon disulfide	<0.50
i-Propyl mercaptan	0.63
t-Butyl mercaptan	<0.50
n-Propyl mercaptan	2.27
s-Butyl mercaptan	2.46
i-Butyl mercaptan	<0.50
Dimethyl disulfide	5.40
Tetrahydrothiophene	1.54
Unidentified sulfurs	7.75

*(Concentration in ppmv, as H<sub>2</sub>S)*

Total Sulfur 240.0

\_\_\_\_\_  
Brian W. Fung  
Laboratory Director

QUALITY ASSURANCE SUMMARY  
(Repeat Analyses)






Project Location: Chiquita Canyon Landfill  
 Date Sampled: March 1, 2024  
 Date Received: March 1, 2024  
 Date Analyzed: March 1, 2024

Components	Sample ID	Repeat Analysis		Mean Conc.	% RPD
		Run #1	Run #2		
		(Concentration in ppmv)			
Hydrogen sulfide	FL-2009	32.1	30.9	31.5	3.8
Carbonyl sulfide	FL-2009	0.72	0.69	0.71	4.3
Methyl mercaptan	FL-2009	20.7	19.9	20.3	3.9
Ethyl mercaptan	FL-2009	<0.50	<0.50	---	---
Dimethyl sulfide	FL-2009	165	159	162	3.7
Carbon disulfide	FL-2009	<0.50	<0.50	---	---
i-Propyl mercaptan	FL-2009	0.63	0.63	0.63	0.00
t-Butyl mercaptan	FL-2009	<0.50	<0.50	---	---
n-Propyl mercaptan	FL-2009	2.32	2.22	2.27	4.4
s-Butyl mercaptan	FL-2009	2.49	2.43	2.46	2.4
i-Butyl mercaptan	FL-2009	<0.50	<0.50	---	---
Dimethyl disulfide	FL-2009	5.48	5.32	5.40	3.0
Tetrahydrothiophene	FL-2009	1.52	1.55	1.54	2.0
Unidentified sulfurs	FL-2009	7.83	7.67	7.75	2.0

*One Tedlar bag sample, laboratory number 20614-2, was analyzed for total sulfur compounds. Agreement between repeat analyses is a measure of precision and is shown above in the column "% RPD". The average % RPD for 10 repeat measurements from one Tedlar bag sample is 3.0%.*



## CHAIN OF CUSTODY RECORD

Client/Project Name <b>SCS Engineers / Chiquita Canyon</b>		Project Location <b>Castaic, CA</b>			ANALYSES REQUESTED						
Project No. <b>07214017.91 Task 2</b>		Field Logbook No.			<div style="writing-mode: vertical-rl; transform: rotate(180deg); font-size: 2em; font-weight: bold;">TR5 (307.91)</div>						
Sampler: (Signature) 		Chain of Custody Tape No.									
Sample No./ Identification	Type of Sample	AtmAA Lab Number	Sampling Date	Sampling Time							Special Remarks
<b>FL-2009</b>		<b>20614-1</b>	<b>2-29-24</b>	<b>10:10pm</b>	<b>X</b>						<b>Unfiltered Raw Gas</b>
<b>FL-2009</b>		<b>-2</b>	<b>3-1-24</b>	<b>8:10pm</b>	<b>X</b>						<b>H2S Draiger</b>
Relinquished by: (Signature) 			Date	Time	Received by: (Signature)			Date	Time		
			<b>3-1-24</b>	<b>9:00am</b>	<b>Don Naber</b>			<b>3-1-24</b>	<b>10:00</b>		
Relinquished by: (Signature) 			Date	Time	Received by: (Signature)			Date	Time		
			<b>3-7-24</b>	<b>9:10am</b>							
Relinquished by: (Signature) <b>Don Naber</b>			Date	Time	Received for Laboratory by: (Signature)			Date	Time		
			<b>3-12-24</b>	<b>10:35</b>	 <b>AtmAA</b>			<b>3/1/24</b>	<b>10:40</b>		
Company Info:			Send Report to:			Analytical Laboratory					
Company: <b>SCS Engineers</b>			Company: <b>SCS Engineers</b>			<b>AtmAA Inc.</b>					
Street Address: <b>3900 Kilroy Airport Way Suite 100</b>			Street Address: <b>3900 Kilroy Airport Way Suite 100</b>			<b>23917 Craftsman Rd.</b>					
City/State/Zip: <b>Long Beach / CA / 90806</b>			City/State/Zip: <b>Long Beach / CA / 90806</b>			<b>Calabasas, CA 91302</b>					
Telephone No.: <b>562-743-7895 / 562-335-0002</b>			Project Manager: <b>Cornelius Fong</b>			<b>TEL: (818) 223-3277</b>					
Fax No.:			Email Address: <b>CFong@scsengineers.com</b>			<b>FAX: (818) 223-8250</b>					





AtmAA Inc.

23917 Craftsman Rd., Calabasas, CA 91302 • (818) 223-3277

specialized air assessment laboratory  
atmaa.com

March 6, 2024

LTR/2367/24

Cornelius L. Fong  
SCS Engineers  
3900 Kilroy Airport Way  
Suite 100  
Long Beach, CA 90806

Re: FL-1995

Dear Corn,

Please find enclosed the laboratory analysis reports, quality assurance summaries, and the chain of custody forms for a total of 2 Tedlar bag samples received March 2 & 4, 2024.

The Tedlar bag sample was analyzed for SCAQMD 307.91 total sulfur components as requested on the chain of custody forms.

Sincerely,

AtmAA, Inc.

Brian W. Fung  
Laboratory Director



**LABORATORY ANALYSIS REPORT**

Hydrogen Sulfide and Reduced Sulfur Compounds  
Analysis in Tedlar Bag Sample by SCAQMD Method 307.91

Report Date: March 4, 2024  
Client: SCS Engineers  
Project Location: Chiquita Canyon Landfill  
Project No.: 07214017.91 Task 2  
Date Sampled: March 2, 2024  
Date Received: March 2, 2024  
Date Analyzed: March 2, 2024

**ANALYSIS DESCRIPTION**

Total sulfur analysis measured by gas chromatography with sulfur chemiluminescence detector (SCD), SCAQMD 307.91.

AtmAA Lab No.: 20624-1  
Sample I.D.: FL-1995

<u>Components</u>	<i>(Concentration in ppmv)</i>
Hydrogen sulfide	42.6
Carbonyl sulfide	1.00
Methyl mercaptan	26.3
Ethyl mercaptan	0.64
Dimethyl sulfide	181
Carbon disulfide	<0.50
i-Propyl mercaptan	0.85
t-Butyl mercaptan	<0.50
n-Propyl mercaptan	3.39
s-Butyl mercaptan	3.45
i-Butyl mercaptan	<0.50
Dimethyl disulfide	8.14
Tetrahydrothiophene	2.10
Unidentified sulfurs	14.3

*(Concentration in ppmv, as H<sub>2</sub>S)*

Total Sulfur 291.9

Brian W. Fung  
Laboratory Director

QUALITY ASSURANCE SUMMARY  
(Repeat Analyses)

Project Location: Chiquita Canyon Landfill  
 Date Sampled: March 2, 2024  
 Date Received: March 2, 2024  
 Date Analyzed: March 2, 2024

Components	Sample ID	Repeat Analysis		Mean Conc.	% RPD
		Run #1	Run #2		
<i>(Concentration in ppmv)</i>					
Hydrogen sulfide	FL-1995	41.6	43.6	42.6	4.7
Carbonyl sulfide	FL-1995	0.98	1.01	1.00	3.0
Methyl mercaptan	FL-1995	25.5	27.1	26.3	6.1
Ethyl mercaptan	FL-1995	0.62	0.66	0.64	6.3
Dimethyl sulfide	FL-1995	176	186	181	5.5
Carbon disulfide	FL-1995	<0.50	<0.50	---	---
i-Propyl mercaptan	FL-1995	0.83	0.87	0.85	4.7
t-Butyl mercaptan	FL-1995	<0.50	<0.50	---	---
n-Propyl mercaptan	FL-1995	3.29	3.49	3.39	5.9
s-Butyl mercaptan	FL-1995	3.34	3.55	3.45	6.1
i-Butyl mercaptan	FL-1995	<0.50	<0.50	---	---
Dimethyl disulfide	FL-1995	8.09	8.18	8.14	1.1
Tetrahydrothiophene	FL-1995	2.19	2.01	2.10	8.6
Unidentified sulfurs	FL-1995	14.3	14.3	14.3	0.16

*One Tedlar bag sample, laboratory number 20624-1, was analyzed for total sulfur compounds. Agreement between repeat analyses is a measure of precision and is shown above in the column "% RPD". The average % RPD for 11 repeat measurements from one Tedlar bag sample is 4.7%.*



## CHAIN OF CUSTODY RECORD

Client/Project Name <b>SCS Engineers / Chiquita Canyon</b>		Project Location <b>Castaic, CA</b>			ANALYSES REQUESTED						
Project No. <b>07214017.91 Task 2</b>		Field Logbook No.			<div style="display: flex; justify-content: space-between;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TPS (30) 7/1</div> <div style="border-left: 1px solid black; border-right: 1px solid black; height: 100px;"></div> <div style="border-left: 1px solid black; border-right: 1px solid black; height: 100px;"></div> <div style="border-left: 1px solid black; border-right: 1px solid black; height: 100px;"></div> <div style="border-left: 1px solid black; border-right: 1px solid black; height: 100px;"></div> <div style="border-left: 1px solid black; border-right: 1px solid black; height: 100px;"></div> <div style="border-left: 1px solid black; border-right: 1px solid black; height: 100px;"></div> </div>						
Sampler: (Signature)		Chain of Custody Tape No.									
Sample No./ Identification	Type of Sample	AtmAA Lab Number	Sampling Date	Sampling Time							Special Remarks
<b>FL 1995</b>	<b>LANDFILL GAS</b>	<b>20624-1</b>	<b>3-2-24</b>	<b>8:40am</b>	<b>X</b>						<b>Unfiltered Raw Gas</b>
											<b>H2S Draiger</b>
Relinquished by: (Signature) <i>Mari Martz</i>			Date <b>3-2-24</b>	Time <b>9:47</b>	Received by: (Signature) <b>LUIS FARRAN</b>			Date <b>3/2/24</b>	Time <b>9:47</b>		
Relinquished by: (Signature) <b>LUIS FARRAN</b>			Date <b>3/2/24</b>	Time <b>10:42</b>	Received by: (Signature)			Date	Time		
Relinquished by: (Signature)			Date	Time	Received for Laboratory by: (Signature) <i>B. Fong</i>			Date <b>3/2/24</b>	Time <b>10:42</b>		
Company Info:			Send Report to:			Analytical Laboratory					
Company: <b>SCS Engineers</b>			Company: <b>SCS Engineers</b>			AtmAA Inc.					
Street Address: <b>3900 Kilroy Airport Way Suite 100</b>			Street Address: <b>3900 Kilroy Airport Way Suite 100</b>			23917 Craftsman Rd.					
City/State/Zip: <b>Long Beach / CA / 90806</b>			City/State/Zip: <b>Long Beach / CA / 90806</b>			Calabasas, CA 91302					
Telephone No.: <b>562-743-7895 / 562-335-0002</b>			Project Manager: <b>Cornelius Fong</b>			TEL: (818) 223-3277					
Fax No.:			Email Address: <b>CFong@scsengineers.com</b>			FAX: (818) 223-8250					







**LABORATORY ANALYSIS REPORT**

Hydrogen Sulfide and Reduced Sulfur Compounds  
Analysis in Tedlar Bag Sample by SCAQMD Method 307.91

Report Date: March 6, 2024  
Client: SCS Engineers  
Project Location: Chiquita Canyon Landfill  
Project No.: 07214017.91 Task 2  
Date Sampled: March 4, 2024  
Date Received: March 4, 2024  
Date Analyzed: March 4, 2024

ANALYSIS DESCRIPTION

Total sulfur analysis measured by gas chromatography with sulfur chemiluminescence detector (SCD), SCAQMD 307.91.

AtmAA Lab No.: 20644-1  
Sample I.D.: FL-1995

<u>Components</u>	(Concentration in ppmv)
Hydrogen sulfide	59.3
Carbonyl sulfide	0.94
Methyl mercaptan	44.0
Ethyl mercaptan	0.95
Dimethyl sulfide	237
Carbon disulfide	<0.50
i-Propyl mercaptan	1.15
t-Butyl mercaptan	<0.50
n-Propyl mercaptan	4.36
s-Butyl mercaptan	4.69
i-Butyl mercaptan	<0.50
Dimethyl disulfide	10.1
Tetrahydrothiophene	3.29
Unidentified sulfurs	35.8

(Concentration in ppmv, as H<sub>2</sub>S)

Total Sulfur 411.7

  
\_\_\_\_\_  
Brian W. Fung  
Laboratory Director

QUALITY ASSURANCE SUMMARY  
(Repeat Analyses)



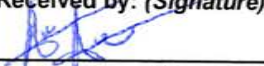
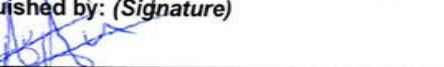
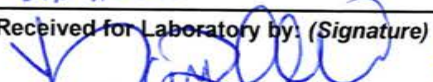

Project Location: Chiquita Canyon Landfill  
 Date Sampled: March 4, 2024  
 Date Received: March 4, 2024  
 Date Analyzed: March 4, 2024

Components	Sample ID	Repeat Analysis		Mean Conc.	% RPD	
		Run #1	Run #2			
		<i>(Concentration in ppmv)</i>				
Hydrogen sulfide	FL-1995	59.0	59.5	59.3	0.84	
Carbonyl sulfide	FL-1995	0.92	0.95	0.94	3.2	
Methyl mercaptan	FL-1995	43.6	44.4	44.0	1.8	
Ethyl mercaptan	FL-1995	0.95	0.95	0.95	0.00	
Dimethyl sulfide	FL-1995	238	236	237	0.84	
Carbon disulfide	FL-1995	<0.50	<0.50	---	---	
i-Propyl mercaptan	FL-1995	1.13	1.16	1.15	2.6	
t-Butyl mercaptan	FL-1995	<0.50	<0.50	---	---	
n-Propyl mercaptan	FL-1995	4.34	4.38	4.36	0.92	
s-Butyl mercaptan	FL-1995	4.64	4.73	4.69	1.9	
i-Butyl mercaptan	FL-1995	<0.50	<0.50	---	---	
Dimethyl disulfide	FL-1995	10.4	9.87	10.1	5.2	
Tetrahydrothiophene	FL-1995	3.17	3.40	3.29	7.0	
Unidentified sulfurs	FL-1995	35.6	35.9	35.8	0.78	

*One Tedlar bag sample, laboratory number 20644-1, was analyzed for total sulfur compounds. Agreement between repeat analyses is a measure of precision and is shown above in the column "% RPD". The average % RPD for 11 repeat measurements from one Tedlar bag sample is 2.3%.*



## CHAIN OF CUSTODY RECORD

Client/Project Name SCS Engineers / Chiquita Canyon		Project Location Castaic, CA			ANALYSES REQUESTED						
Project No. 07214017.91 Task 2		Field Logbook No.									
Sampler: (Signature) 		Chain of Custody Tape No.									
Sample No./ Identification	Type of Sample	AtmAA Lab Number	Sampling Date	Sampling Time	X						Special Remarks
FL-1995	LFG	20644-1	3-4-24	9:10 am							Filtered Raw Gas
											H2S Draiger 49 ppm
Relinquished by: (Signature) 		Date	Time	Received by: (Signature) 			Date	Time			
		3-4-24	9:36 3/4/24				3/4/24	9:36 AM			
Relinquished by: (Signature) 		Date	Time	Received by: (Signature) LUIS FARRAN			Date	Time			
		3/4/24	9:40 AM				3/4/24	9:41 AM			
Relinquished by: (Signature) LUIS FARRAN		Date	Time	Received for Laboratory by: (Signature)  AtmAA			Date	Time			
		3/4/24	10:40				3/4/24	10:40			
Company Info:		Send Report to:			Analytical Laboratory						
Company: SCS Engineers		Company: SCS Engineers			AtmAA Inc.						
Street Address: 3900 Kilroy Airport Way Suite 100		Street Address: 3900 Kilroy Airport Way Suite 100			23917 Craftsman Rd.						
City/State/Zip: Long Beach / CA / 90806		City/State/Zip: Long Beach / CA / 90806			Calabasas, CA 91302						
Telephone No.: 562-743-7895 / 562-335-0002		Project Manager: Cornelius Fong			TEL: (818) 223-3277						
Fax No.:		Email Address: CFong@scsengineers.com			FAX: (818) 223-8250						



AtmAA Inc.

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March 14, 2024

LTR/2369/24

Cornelius L. Fong  
SCS Engineers  
3900 Kilroy Airport Way  
Suite 100  
Long Beach, CA 90806

Re: Chiquita Canyon sulfur samples

Dear Corn,

Please find enclosed the laboratory analysis reports, quality assurance summaries, and the chain of custody forms for a total of 8 Tedlar bag samples received March 6-13, 2024.

The Tedlar bag sample was analyzed for SCAQMD 307.91 total sulfur components as requested on the chain of custody forms.

Sincerely,

AtmAA, Inc.

Brian W. Fung  
Laboratory Director





**LABORATORY ANALYSIS REPORT**

Hydrogen Sulfide and Reduced Sulfur Compounds  
Analysis in Tedlar Bag Sample by SCAQMD Method 307.91

Report Date: March 14, 2024  
Client: SCS Engineers  
Project Location: Chiquita Canyon Landfill  
Project No.: 07214017.91 Task 2  
Date Sampled: March 5, 2024  
Date Received: March 6, 2024  
Date Analyzed: March 6, 2024

ANALYSIS DESCRIPTION

Total sulfur analysis measured by gas chromatography with sulfur chemiluminescence detector (SCD), SCAQMD 307.91.

AtmAA Lab No.: 20664-6  
Sample I.D.: FL-2009

<u>Components</u>	<i>(Concentration in ppmv)</i>
Hydrogen sulfide	62.3
Carbonyl sulfide	0.99
Methyl mercaptan	40.6
Ethyl mercaptan	0.98
Dimethyl sulfide	234
Carbon disulfide	<0.50
i-Propyl mercaptan	1.23
t-Butyl mercaptan	<0.50
n-Propyl mercaptan	4.39
s-Butyl mercaptan	4.36
i-Butyl mercaptan	<0.50
Dimethyl disulfide	10.5
Tetrahydrothiophene	2.92
Unidentified sulfurs	42.1

*(Concentration in ppmv, as H<sub>2</sub>S)*

Total Sulfur 414.9

Brian W. Fung  
Laboratory Director

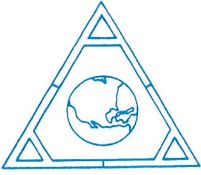
QUALITY ASSURANCE SUMMARY  
(Repeat Analyses)

Project Location: Chiquita Canyon Landfill  
 Date Sampled: March 5, 2024  
 Date Received: March 6, 2024  
 Date Analyzed: March 6, 2024

Components	Sample ID	Repeat Analysis		Mean Conc.	% RPD
		Run #1	Run #2		
<i>(Concentration in ppmv)</i>					
Hydrogen sulfide	FL-2009	62.5	62.1	62.3	0.64
Carbonyl sulfide	FL-2009	1.01	0.96	0.99	5.1
Methyl mercaptan	FL-2009	41.1	40.1	40.6	2.5
Ethyl mercaptan	FL-2009	0.98	0.97	0.98	1.0
Dimethyl sulfide	FL-2009	231	237	234	2.6
Carbon disulfide	FL-2009	<0.50	<0.50	---	---
i-Propyl mercaptan	FL-2009	1.23	1.22	1.23	0.82
t-Butyl mercaptan	FL-2009	<0.50	<0.50	---	---
n-Propyl mercaptan	FL-2009	4.30	4.47	4.39	3.9
s-Butyl mercaptan	FL-2009	4.42	4.29	4.36	3.0
i-Butyl mercaptan	FL-2009	<0.50	<0.50	---	---
Dimethyl disulfide	FL-2009	11.1	9.97	10.5	11
Tetrahydrothiophene	FL-2009	2.92	2.91	2.92	0.34
Unidentified sulfurs	FL-2009	43.7	40.4	42.1	7.9

*One Tedlar bag sample, laboratory number 20664-6, was analyzed for total sulfur compounds. Agreement between repeat analyses is a measure of precision and is shown above in the column "% RPD". The average % RPD for 11 repeat measurements from one Tedlar bag sample is 3.5%.*





AtmAA Inc.

23917 Craftsman Rd., Calabasas, CA 91302 • (818) 223-3277

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April 2, 2024

LTR/2374/24

Cornelius L. Fong  
SCS Engineers  
3900 Kilroy Airport Way  
Suite 100  
Long Beach, CA 90806

RE: Chiquita Canyon FL-2009

Dear Corn,

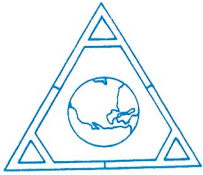
Please find enclosed the laboratory analysis reports, quality assurance summary, and the chain of custody form for one Tedlar bag sample received March 6, 2024.

The Tedlar bag sample was analyzed for carbon monoxide, permanent gases, hydrogen, and EPA TO-15 components as indicated on the chain of custody form.

Sincerely,

AtmAA, Inc.

Brian W. Fung  
Laboratory Director



LABORATORY ANALYSIS REPORT

Permanent Gases and Hydrogen Analysis in Tedlar Bag Samples

Report Date: April 1, 2024  
Client: SCS Engineers  
Project Name: Chiquita Canyon Landfill  
Project No.: 07214017.91 Task 2

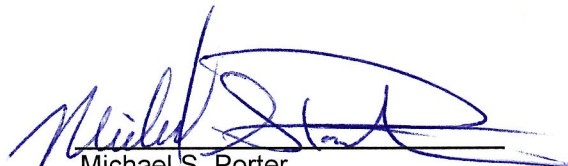
Date Sampled: March 5, 2024  
Date Received: March 6, 2024  
Date Analyzed: March 6, 2024

ANALYSIS DESCRIPTION

Permanent gases and hydrogen were measured by thermal conductivity detection/gas chromatography (TCD/GC) ASTM D1946-90.

AtmAA Lab No.	Sample ID	Methane (%v)	Carbon Dioxide (%v)	Oxygen (%v)	Nitrogen (%v)	Hydrogen (%v)
20664-8	FL - 2009	32.03	42.89	3.78	17.92	2.04

The reported oxygen concentration includes any argon present in the sample. Calibration is based on a standard atmosphere containing 20.95% oxygen and 0.93% argon. The accuracy of permanent gas analysis by TCD/GC is +/- 2%. Actual analysis results are reported on a "wet" basis.

  
Michael S. Porter  
Senior Analyst



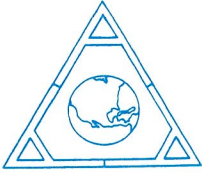
QUALITY ASSURANCE SUMMARY  
(Repeat Analyses)

Project Name: Chiquita Canyon Landfill  
 Date Sampled: March 5, 2024  
 Date Received: March 6, 2024  
 Date Analyzed: March 6, 2024

Components	Sample ID	Repeat Analysis		Mean Conc.	% RPD
		Run #1	Run #2		
<i>(Concentration in %,v)</i>					
Methane	FL - 2009	31.83	32.23	32.03	1.2
Carbon dioxide	FL - 2009	42.79	42.99	42.89	0.47
Oxygen	FL - 2009	3.80	3.75	3.78	1.3
Nitrogen	FL - 2009	18.22	17.61	17.92	3.4
Hydrogen	FL - 2009	2.04	2.04	2.04	0.00

*One Tedlar bag sample, laboratory number 20664-8, was analyzed for permanent gases and hydrogen. Agreement between repeat analyses is a measure of precision and is shown above in the column "% RPD". The % RPD for 5 repeat measurements from 1 Tedlar bag sample is 1.3%.*





### LABORATORY ANALYSIS REPORT

#### Carbon Monoxide Analysis in Tedlar Bag Samples

Report Date: April 1, 2024  
Client: SCS Engineers  
Project Name: Chiquita Canyon Landfill  
Project No.: 07214017.91 Task 2

Date Sampled: March 5, 2024  
Date Received: March 6, 2024  
Date Analyzed: March 6, 2024

#### ANALYSIS DESCRIPTION

*Carbon monoxide was measured by flame ionization detection/total combustion analysis (FID/TCA), EPA Method ALT-144.*

AtmAA Lab No.	Sample ID	Carbon Monoxide (Conc. in ppmv)
20664-8	FL-2009	400

Michael S. Porter  
Senior Analyst

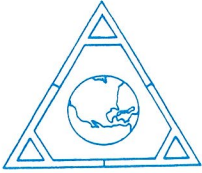
QUALITY ASSURANCE SUMMARY  
(Repeat Analysis)

Project Name: Chiquita Canyon Landfill  
 Date Sampled: March 5, 2024  
 Date Received: March 6, 2024  
 Date Analyzed: March 6, 2024

Components	Sample ID	Repeat Analysis		Mean Conc.	% RPD
		Run #1	Run #2		
<i>(Concentration in ppmv)</i>					
Carbon Monoxide	FL-2009	397	402	400	1.3

*One Tedlar bag sample, laboratory number 20664-8, was analyzed for carbon monoxide. Agreement between repeat analyses is a measure of precision and is shown above in the column "% RPD". The % RPD for 1 repeat measurement from 1 Tedlar bag sample is 1.2%.*





TO-15 Component Analysis in Tedlar Bag Sample, by GC/MS Method EPA TO-15

Report Date: April 1, 2024  
Client: SCS Engineers  
Project Name: Chiquita Canyon  
Project No.: 07214017.91 Task 2  
Date Received: March 6, 2024  
Date Analyzed: March 8, 2024

AtmAA Lab No.: 20664-8  
Sample ID: FL-2009  
(Concentrations in ppmv)

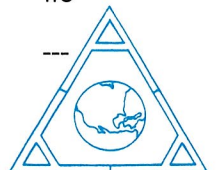
Components	
Freon 12	<4.0
Chloromethane	<5.0
Freon 114	<3.0
Vinyl Chloride	<4.0
1,3-Butadiene	<5.0
Bromomethane	<5.5
Chloroethane	<4.0
Acetone	449
Freon 11	<4.0
Isopropyl Alcohol	264
1,1-Dichloroethene	<5.0
Methylene Chloride	<6.0
Carbon Disulfide	<3.5
Freon 113	<3.0
trans-1,2-Dichloroethene	<5.0
1,1-Dichloroethane	<5.0
MTBE	<6.0
Vinyl Acetate	<6.0
2-Butanone	344
cis-1,2-Dichloroethene	<5.0
n-Hexane	<6.0
Chloroform	<4.0
Ethyl Acetate	39.2
Tetrahydrofuran	210
1,2-Dichloroethane	<5.0
1,1,1-Trichloroethane	<4.0
Benzene	63.9
Carbon Tetrachloride	<4.0
Cyclohexane	<6.0
1,2-Dichloropropane	<5.0
Bromodichloromethane	<5.0
Trichloroethene	<4.0
1,4-Dioxane	<6.0
n-Heptane	<6.0
cis-1,3-Dichloropropene	<5.0
4-Methyl-2-pentanone	20.3
trans-1,3-Dichloropropene	<5.0
1,1,2-Trichloroethane	<4.0
Toluene	9.53
2-Hexanone	<5.0
Dibromochloromethane	<4.0
1,2-Dibromoethane	<4.0
Tetrachloroethene	<4.0
Chlorobenzene	<5.0
Ethylbenzene	5.70
m,p-Xylene	7.96
Bromoform	<3.0
Styrene	<5.0
1,1,2,2-Tetrachloroethane	<5.0
o-Xylene	<4.5
Benzyl Chloride	<5.0
4-Ethyl Toluene	<5.0
1,3,5-Trimethyl Benzene	<5.0
1,2,4-Trimethyl Benzene	<5.0
1,3-Dichlorobenzene	<4.0
1,4-Dichlorobenzene	<4.0
1,2-Dichlorobenzene	<4.0
1,2,4-Trichlorobenzene	<10
Hexachlorobutadiene	<8.0

  
Brian W. Fung  
Laboratory Director

QUALITY ASSURANCE SUMMARY  
(Repeat Analyses)

Project Name: Chiquita Canyon  
Date Received: March 6, 2024  
Date Analyzed: March 8, 2024

Components	Sample ID	Repeat Analysis		Mean Conc.	% RPD
		Run #1	Run #2		
		<i>(Concentration in ppmv)</i>			
Freon-12	FL-2009	<4.0	<4.0	---	---
Chloromethane	FL-2009	<5.0	<5.0	---	---
Freon 114	FL-2009	<3.0	<3.0	---	---
Vinyl Chloride	FL-2009	<4.0	<4.0	---	---
1,3-Butadiene	FL-2009	<5.0	<5.0	---	---
Bromomethane	FL-2009	<5.5	<5.5	---	---
Chloroethane	FL-2009	<4.0	<4.0	---	---
Acetone	FL-2009	434	464	449	6.7
Freon 11	FL-2009	<4.0	<4.0	---	---
Isopropyl Alcohol	FL-2009	271	257	264	5.3
1,1-Dichloroethene	FL-2009	<5.0	<5.0	---	---
Methylene Chloride	FL-2009	<6.0	<6.0	---	---
Carbon Disulfide	FL-2009	<3.5	<3.5	---	---
Freon 113	FL-2009	<3.0	<3.0	---	---
trans-1,2-Dichloroethene	FL-2009	<5.0	<5.0	---	---
1,1-Dichloroethane	FL-2009	<5.0	<5.0	---	---
MTBE	FL-2009	<6.0	<6.0	---	---
Vinyl Acetate	FL-2009	<6.0	<6.0	---	---
2-Butanone	FL-2009	346	341	344	1.5
cis-1,2-Dichloroethene	FL-2009	<5.0	<5.0	---	---
n-Hexane	FL-2009	<6.0	<6.0	---	---
Chloroform	FL-2009	<4.0	<4.0	---	---
Ethyl Acetate	FL-2009	40.1	38.2	39.2	4.9
Tetrahydrofuran	FL-2009	214	205	210	4.3
1,2-Dichloroethane	FL-2009	<5.0	<5.0	---	---



QUALITY ASSURANCE SUMMARY  
 (Repeat Analyses)  
 (continued)

Components	Sample ID	Repeat Analysis		Mean Conc.	% RPD
		Run #1	Run #2		
		(Concentration in ppmv)			
1,1,1-Trichloroethane	FL-2009	<4.0	<4.0	---	---
Benzene	FL-2009	63.0	64.8	63.9	2.8
Carbon Tetrachloride	FL-2009	<4.0	<4.0	---	---
Cyclohexane	FL-2009	<6.0	<6.0	---	---
1,2-Dichloropropane	FL-2009	<5.0	<5.0	---	---
Bromodichloromethane	FL-2009	<5.0	<5.0	---	---
Trichloroethene	FL-2009	<4.0	<4.0	---	---
1,4-Dioxane	FL-2009	<6.0	<6.0	---	---
n-Heptane	FL-2009	<6.0	<6.0	---	---
cis-1,3-Dichloropropene	FL-2009	<5.0	<5.0	---	---
4-Methyl-2-pentanone	FL-2009	21.8	18.8	20.3	15
trans-1,3-Dichloropropene	FL-2009	<5.0	<5.0	---	---
1,1-2-Trichloroethane	FL-2009	<4.0	<4.0	---	---
Toluene	FL-2009	9.30	9.75	9.53	4.7
2-Hexanone	FL-2009	<5.0	<5.0	---	---
Dibromochloromethane	FL-2009	<4.0	<4.0	---	---
1,2-Dibromoethane	FL-2009	<4.0	<4.0	---	---
Tetrachloroethene	FL-2009	<4.0	<4.0	---	---
Chlorobenzene	FL-2009	<5.0	<5.0	---	---
Ethylbenzene	FL-2009	5.58	5.81	5.70	4.0
m,p-Xylene	FL-2009	7.82	8.09	7.96	3.4
Bromoform	FL-2009	<3.0	<3.0	---	---
Styrene	FL-2009	<5.0	<5.0	---	---
1,1,2,2-Tetrachloroethane	FL-2009	<5.0	<5.0	---	---
o-Xylene	FL-2009	<4.5	<4.5	---	---



QUALITY ASSURANCE SUMMARY  
 (Repeat Analyses)  
 (continued)

Components	Sample ID	Repeat Analysis		Mean Conc.	% RPD
		Run #1	Run #2		
		<i>(Concentration in ppmv)</i>			
Benzyl Chloride	FL-2009	<5.0	<5.0	---	---
4-Ethyl Toluene	FL-2009	<5.0	<5.0	---	---
1,3,5-Trimethyl Benzene	FL-2009	<5.0	<5.0	---	---
1,2,4-Trimethyl Benzene	FL-2009	<5.0	<5.0	---	---
1,3-Dichlorobenzene	FL-2009	<4.0	<4.0	---	---
1,4-Dichlorobenzene	FL-2009	<4.0	<4.0	---	---
1,2-Dichlorobenzene	FL-2009	<4.0	<4.0	---	---
1,2,4-Trichlorobenzene	FL-2009	<10	<10	---	---
Hexachlorobutadiene	FL-2009	<8.0	<8.0	---	---

*One Tedlar bag sample, laboratory number 20664-8, was analyzed for TO-15 components, by GC/MS. Agreement between repeat analyses is a measure of precision and is shown above in the column "% RPD". The average % RPD for 10 repeat measurements from one Tedlar bag sample is 5.2%.*





## CHAIN OF CUSTODY RECORD

Client/Project Name SCS Engineers / Chiquita Canyon		Project Location Castaic, CA			ANALYSES REQUESTED						
Project No. 07214017.91 Task 12		Field Logbook No.			<div style="display: flex; justify-content: space-around;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Fixed Gases</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">T0-15</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">H2</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">CO</div> </div>						
Sampler: (Signature) 		Chain of Custody Tape No.									
Sample No./ Identification	Type of Sample	AtmAA Lab Number	Sampling Date	Sampling Time							Special Remarks
FL-2009	Landfill Gas	201604-8	3/5/24	1:41pm	X	X	X	X			Unfiltered Raw Gas
											H2S Draiger
Relinquished by: (Signature) 		Date	Time	Received by: (Signature) 		Date	Time				
		3/5/24	14:04pm			3/5/24	2:10pm				
Relinquished by: (Signature) 		Date	Time	Received by: (Signature) Steve DCS		Date	Time				
		3-6-24	11:00am			3/6/24	11				
Relinquished by: (Signature) Steve DCS		Date	Time	Received for Laboratory by: (Signature) AtmAA		Date	Time				
		3-6-24	11:39am			3/6/24	11:59				
Company Info:		Send Report to:		Analytical Laboratory							
Company: SCS Engineers		Company: SCS Engineers		AtmAA Inc.							
Street Address: 3900 Kilroy Airport Way Suite 100		Street Address: 3900 Kilroy Airport Way Suite 100		23917 Craftsman Rd.							
City/State/Zip: Long Beach / CA / 90806		City/State/Zip: Long Beach / CA / 90806		Calabasas, CA 91302							
Telephone No.: 562-743-7895 / 562-335-0002		Project Manager: Cornelius Fong		TEL: (818) 223-3277							
Fax No.:		Email Address: CFong@scsengineers.com		FAX: (818) 223-8250							





**LABORATORY ANALYSIS REPORT**

Hydrogen Sulfide and Reduced Sulfur Compounds  
Analysis in Tedlar Bag Sample by SCAQMD Method 307.91

Report Date: March 14, 2024  
Client: SCS Engineers  
Project Location: Chiquita Canyon Landfill  
Project No.: 07214017.91 Task 2  
Date Sampled: March 6, 2024  
Date Received: March 6, 2024  
Date Analyzed: March 6, 2024

**ANALYSIS DESCRIPTION**

Total sulfur analysis measured by gas chromatography with sulfur chemiluminescence detector (SCD), SCAQMD 307.91.

AtmAA Lab No.: 20664-7  
Sample I.D.: FL-1995

<u>Components</u>	<i>(Concentration in ppmv)</i>
Hydrogen sulfide	67.7
Carbonyl sulfide	0.97
Methyl mercaptan	47.6
Ethyl mercaptan	1.08
Dimethyl sulfide	226
Carbon disulfide	<0.50
i-Propyl mercaptan	1.38
t-Butyl mercaptan	<0.50
n-Propyl mercaptan	4.18
s-Butyl mercaptan	4.42
i-Butyl mercaptan	<0.50
Dimethyl disulfide	7.32
Tetrahydrothiophene	2.53
Unidentified sulfurs	19.9

*(Concentration in ppmv, as H<sub>2</sub>S)*

Total Sulfur 390.4

Brian W. Fung  
Laboratory Director

QUALITY ASSURANCE SUMMARY  
(Repeat Analyses)

Project Location: Chiquita Canyon Landfill  
 Date Sampled: March 6, 2024  
 Date Received: March 6, 2024  
 Date Analyzed: March 6, 2024

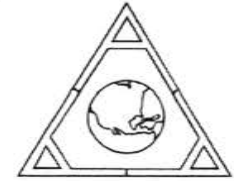
Components	Sample ID	Repeat Analysis		Mean Conc.	% RPD
		Run #1	Run #2		
		<i>(Concentration in ppmv)</i>			
Hydrogen sulfide	FL-1995	68.7	66.7	67.7	3.0
Carbonyl sulfide	FL-1995	0.96	0.98	0.97	2.1
Methyl mercaptan	FL-1995	47.9	47.2	47.6	1.5
Ethyl mercaptan	FL-1995	1.10	1.06	1.08	3.7
Dimethyl sulfide	FL-1995	228	224	226	1.8
Carbon disulfide	FL-1995	<0.50	<0.50	---	---
i-Propyl mercaptan	FL-1995	1.43	1.33	1.38	7.2
t-Butyl mercaptan	FL-1995	<0.50	<0.50	---	---
n-Propyl mercaptan	FL-1995	4.28	4.08	4.18	4.8
s-Butyl mercaptan	FL-1995	4.50	4.34	4.42	3.6
i-Butyl mercaptan	FL-1995	<0.50	<0.50	---	---
Dimethyl disulfide	FL-1995	7.46	7.17	7.32	4.0
Tetrahydrothiophene	FL-1995	2.56	2.49	2.53	2.8
Unidentified sulfurs	FL-1995	20.2	19.7	19.9	2.9

*One Tedlar bag sample, laboratory number 20664-7, was analyzed for total sulfur compounds. Agreement between repeat analyses is a measure of precision and is shown above in the column "% RPD". The average % RPD for 11 repeat measurements from one Tedlar bag sample is 3.4%.*



## CHAIN OF CUSTODY RECORD

Client/Project Name SCS Engineers / Chiquita Canyon		Project Location Castaic, CA			ANALYSES REQUESTED						
Project No. 07214017.91 Task 12		Field Logbook No.			<div style="transform: rotate(-45deg); display: inline-block;">TBS (307.91)</div>						
Sampler: (Signature) 		Chain of Custody Tape No.									
Sample No./ Identification	Type of Sample	AtmAA Lab Number	Sampling Date	Sampling Time	X						Special Remarks
FL-2009	Landfill Gas	20664-6	3/5/24	1:38pm	X						Unfiltered Raw Gas 52 ppm
FL-1995	Landfill Gas	-7	3/6/24	7:00am	X						H2S Draiger 55 ppm
Relinquished by: (Signature) 			Date 3/5/24	Time 14:24 PM	Received by: (Signature) 			Date 3/5/24	Time 2:10pm		
Relinquished by: (Signature) 			Date 3-6-24	Time 11:00 am	Received by: (Signature) Steve			Date 3/6/24	Time 11 am		
Relinquished by: (Signature) Steve			Date 3-6-24	Time 11:59 am	Received for Laboratory by: (Signature) 			Date 3/6/24	Time 11:59		
Company Info:			Send Report to:			Analytical Laboratory					
Company: SCS Engineers			Company: SCS Engineers			AtmAA Inc.					
Street Address: 3900 Kilroy Airport Way Suite 100			Street Address: 3900 Kilroy Airport Way Suite 100			23917 Craftsman Rd.					
City/State/Zip: Long Beach / CA / 90806			City/State/Zip: Long Beach / CA / 90806			Calabasas, CA 91302					
Telephone No.: 562-743-7895 / 562-335-0002			Project Manager: Cornelius Fong			TEL: (818) 223-3277					
Fax No.:			Email Address: CFong@scsengineers.com			FAX: (818) 223-8250					





**LABORATORY ANALYSIS REPORT**

Hydrogen Sulfide and Reduced Sulfur Compounds  
Analysis in Tedlar Bag Sample by SCAQMD Method 307.91

Report Date: March 14, 2024  
Client: SCS Engineers  
Project Location: Chiquita Canyon Landfill  
Project No.: 07214017.91 Task 1  
Date Sampled: March 7, 2024  
Date Received: March 8, 2024  
Date Analyzed: March 8, 2024

**ANALYSIS DESCRIPTION**

Total sulfur analysis measured by gas chromatography with sulfur chemiluminescence detector (SCD), SCAQMD 307.91.

AtmAA Lab No.: 20684-14  
Sample I.D.: FL-2009

<u>Components</u>	<i>(Concentration in ppmv)</i>
Hydrogen sulfide	39.0
Carbonyl sulfide	0.81
Methyl mercaptan	27.4
Ethyl mercaptan	0.54
Dimethyl sulfide	137
Carbon disulfide	<0.50
i-Propyl mercaptan	0.81
t-Butyl mercaptan	<0.50
n-Propyl mercaptan	2.04
s-Butyl mercaptan	2.42
i-Butyl mercaptan	<0.50
Dimethyl disulfide	8.28
Tetrahydrothiophene	1.50
Unidentified sulfurs	15.5

*(Concentration in ppmv, as H<sub>2</sub>S)*

Total Sulfur 243.4

Brian W. Fung  
Laboratory Director



QUALITY ASSURANCE SUMMARY  
(Repeat Analyses)

Project Location: Chiquita Canyon Landfill  
 Date Sampled: March 7, 2024  
 Date Received: March 8, 2024  
 Date Analyzed: March 8, 2024

Components	Sample ID	Repeat Analysis		Mean Conc.	% RPD
		Run #1	Run #2		
		<i>(Concentration in ppmv)</i>			
Hydrogen sulfide	FL-2009	39.2	38.7	39.0	1.3
Carbonyl sulfide	FL-2009	0.85	0.77	0.81	9.9
Methyl mercaptan	FL-2009	27.7	27.0	27.4	2.6
Ethyl mercaptan	FL-2009	0.53	0.55	0.54	3.7
Dimethyl sulfide	FL-2009	137	137	137	0.00
Carbon disulfide	FL-2009	<0.50	<0.50	---	---
i-Propyl mercaptan	FL-2009	0.78	0.83	0.81	6.2
t-Butyl mercaptan	FL-2009	<0.50	<0.50	---	---
n-Propyl mercaptan	FL-2009	2.20	1.87	2.04	16
s-Butyl mercaptan	FL-2009	2.36	2.48	2.42	5.0
i-Butyl mercaptan	FL-2009	<0.50	<0.50	---	---
Dimethyl disulfide	FL-2009	8.29	8.26	8.28	0.36
Tetrahydrothiophene	FL-2009	1.43	1.56	1.50	8.7
Unidentified sulfurs	FL-2009	15.4	15.5	15.5	0.85

*One Tedlar bag sample, laboratory number 20684-14, was analyzed for total sulfur compounds. Agreement between repeat analyses is a measure of precision and is shown above in the column "% RPD". The average % RPD for 11 repeat measurements from one Tedlar bag sample is 5.0%.*





## LABORATORY ANALYSIS REPORT

Hydrogen Sulfide and Reduced Sulfur Compounds  
Analysis in Tedlar Bag Sample by SCAQMD Method 307.91

Report Date: March 14, 2024  
Client: SCS Engineers  
Project Location: Chiquita Canyon Landfill  
Project No.: 07214017.91 Task 1  
Date Sampled: March 8, 2024  
Date Received: March 8, 2024  
Date Analyzed: March 8, 2024

### ANALYSIS DESCRIPTION

Total sulfur analysis measured by gas chromatography with sulfur chemiluminescence detector (SCD), SCAQMD 307.91.

AtmAA Lab No.: 20684-15  
Sample I.D.: FL-2009

<u>Components</u>	(Concentration in ppmv)
Hydrogen sulfide	45.3
Carbonyl sulfide	0.88
Methyl mercaptan	33.4
Ethyl mercaptan	0.57
Dimethyl sulfide	247
Carbon disulfide	<0.50
i-Propyl mercaptan	0.98
t-Butyl mercaptan	<0.50
n-Propyl mercaptan	3.69
s-Butyl mercaptan	2.85
i-Butyl mercaptan	<0.50
Dimethyl disulfide	7.83
Tetrahydrothiophene	1.81
Unidentified sulfurs	14.4

(Concentration in ppmv, as H<sub>2</sub>S)

Total Sulfur 366.4

Brian W. Fung  
Laboratory Director

QUALITY ASSURANCE SUMMARY  
(Repeat Analyses)

Project Location: Chiquita Canyon Landfill  
 Date Sampled: March 8, 2024  
 Date Received: March 8, 2024  
 Date Analyzed: March 8, 2024

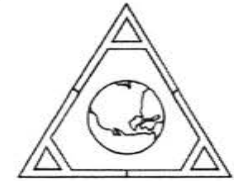
Components	Sample ID	Repeat Analysis		Mean Conc.	% RPD
		Run #1	Run #2		
		<i>(Concentration in ppmv)</i>			
Hydrogen sulfide	FL-2009	46.0	44.6	45.3	3.1
Carbonyl sulfide	FL-2009	0.90	0.85	0.88	5.7
Methyl mercaptan	FL-2009	33.2	33.5	33.4	0.90
Ethyl mercaptan	FL-2009	0.58	0.56	0.57	3.5
Dimethyl sulfide	FL-2009	248	246	247	0.81
Carbon disulfide	FL-2009	<0.50	<0.50	---	---
i-Propyl mercaptan	FL-2009	1.02	0.93	0.98	9.2
t-Butyl mercaptan	FL-2009	<0.50	<0.50	---	---
n-Propyl mercaptan	FL-2009	3.47	3.91	3.69	12
s-Butyl mercaptan	FL-2009	3.11	2.58	2.85	19
i-Butyl mercaptan	FL-2009	<0.50	<0.50	---	---
Dimethyl disulfide	FL-2009	7.87	7.78	7.83	1.2
Tetrahydrothiophene	FL-2009	1.88	1.73	1.81	8.3
Unidentified sulfurs	FL-2009	14.7	14.0	14.4	4.6

*One Tedlar bag sample, laboratory number 20684-15, was analyzed for total sulfur compounds. Agreement between repeat analyses is a measure of precision and is shown above in the column "% RPD". The average % RPD for 11 repeat measurements from one Tedlar bag sample is 6.2%.*



## CHAIN OF CUSTODY RECORD

Client/Project Name SCS Engineers / Chiquita Canyon		Project Location Castaic, CA			ANALYSES REQUESTED						
Project No. 07214017.91 Task 1		Field Logbook No.			TAS (307.91)						
Sampler: (Signature) 		Chain of Custody Tape No.									
Sample No./ Identification	Type of Sample	AtmAA Lab Number	Sampling Date	Sampling Time							Special Remarks
FL-2009	Landfill Gas	20684-14	3/7/24	17:39PM	X						Unfiltered Raw Gas
FL-2009	Landfill Gas	-15	3/8/29	8:25am	X						H2S Draiger
											35 ppm 3/7/24
											39 ppm 3/8/24
Relinquished by: (Signature) 		Date	Time	Received by: (Signature) 			Date	Time			
Relinquished by: (Signature) 		3/8/24	7:19AM	Received by: (Signature) 			3/8/24	10:30am			
Relinquished by: (Signature) 		Date	Time	Received by: (Signature) 			Date	Time			
Relinquished by: (Signature) 		3/8/24	11:29	Received for Laboratory by: (Signature) 			3/8/24	11:29			
Company Info:		Send Report to:			Analytical Laboratory						
Company: SCS Engineers		Company: SCS Engineers			AtmAA Inc.						
Street Address: 3900 Kilroy Airport Way Suite 100		Street Address: 3900 Kilroy Airport Way Suite 100			23917 Craftsman Rd.						
City/State/Zip: Long Beach / CA / 90806		City/State/Zip: Long Beach / CA / 90806			Calabasas, CA 91302						
Telephone No.: 562-743-7895 / 562-335-0002		Project Manager: Cornelius Fong			TEL: (818) 223-3277						
Fax No.:		Email Address: CFong@scsengineers.com			FAX: (818) 223-8250						







**LABORATORY ANALYSIS REPORT**

Hydrogen Sulfide and Reduced Sulfur Compounds  
Analysis in Tedlar Bag Sample by SCAQMD Method 307.91

Report Date: March 14, 2024  
Client: SCS Engineers  
Project Location: Chiquita Canyon Landfill  
Project No.: 07214017.91 Task 2  
Date Sampled: March 9, 2024  
Date Received: March 9, 2024  
Date Analyzed: March 9, 2024

**ANALYSIS DESCRIPTION**

Total sulfur analysis measured by gas chromatography with sulfur chemiluminescence detector (SCD), SCAQMD 307.91.

AtmAA Lab No.: 20694-1  
Sample I.D.: FL-1995

<u>Components</u>	<i>(Concentration in ppmv)</i>
Hydrogen sulfide	45.0
Carbonyl sulfide	1.08
Methyl mercaptan	33.5
Ethyl mercaptan	0.58
Dimethyl sulfide	224
Carbon disulfide	<0.50
i-Propyl mercaptan	0.96
t-Butyl mercaptan	<0.50
n-Propyl mercaptan	4.03
s-Butyl mercaptan	4.58
i-Butyl mercaptan	<0.50
Dimethyl disulfide	16.8
Tetrahydrothiophene	2.55
Unidentified sulfurs	14.7

*(Concentration in ppmv, as H<sub>2</sub>S)*

Total Sulfur 364.1

Brian W. Fung  
Laboratory Director

QUALITY ASSURANCE SUMMARY  
(Repeat Analyses)

Project Location: Chiquita Canyon Landfill  
 Date Sampled: March 9, 2024  
 Date Received: March 9, 2024  
 Date Analyzed: March 9, 2024

Components	Sample ID	Repeat Analysis		Mean Conc.	% RPD
		Run #1	Run #2		
		<i>(Concentration in ppmv)</i>			
Hydrogen sulfide	FL-1995	46.1	43.9	45.0	4.9
Carbonyl sulfide	FL-1995	1.17	0.98	1.08	18
Methyl mercaptan	FL-1995	34.5	32.5	33.5	6.0
Ethyl mercaptan	FL-1995	0.58	0.59	0.58	1.2
Dimethyl sulfide	FL-1995	229	218	224	4.9
Carbon disulfide	FL-1995	<0.50	<0.50	---	---
i-Propyl mercaptan	FL-1995	0.90	1.01	0.96	12
t-Butyl mercaptan	FL-1995	<0.50	<0.50	---	---
n-Propyl mercaptan	FL-1995	3.72	4.34	4.03	15
s-Butyl mercaptan	FL-1995	4.82	4.33	4.58	11
i-Butyl mercaptan	FL-1995	<0.50	<0.50	---	---
Dimethyl disulfide	FL-1995	17.2	16.4	16.8	4.8
Tetrahydrothiophene	FL-1995	2.76	2.33	2.55	17
Unidentified sulfurs	FL-1995	15.0	14.4	14.7	4.1

*One Tedlar bag sample, laboratory number 20694-1, was analyzed for total sulfur compounds. Agreement between repeat analyses is a measure of precision and is shown above in the column "% RPD". The average % RPD for 11 repeat measurements from one Tedlar bag sample is 8.9%.*



## CHAIN OF CUSTODY RECORD

Client/Project Name SCS Engineers / Chiquita Canyon		Project Location Castaic, CA			ANALYSES REQUESTED						
Project No. 07214017.91 Task 2		Field Logbook No.			<div style="transform: rotate(-45deg); display: inline-block;">TR5 (302.91)</div>						
Sampler: (Signature) 		Chain of Custody Tape No.									
Sample No./ Identification	Type of Sample	AtmAA Lab Number	Sampling Date	Sampling Time							Special Remarks
FL-1995		20694-1	3-9-24	8:00am	X						Unfiltered Raw Gas
											H2S Draiger 43ppm
Relinquished by: (Signature) 		Date	Time	Received by: (Signature) EMANUEL AVADIO		Date	Time	Received by: (Signature)		Date	Time
Relinquished by: (Signature) EMANUEL AVADIO		3-9-24	9:57am			3-9-24	9:57am				
Relinquished by: (Signature)		Date	Time	Received for Laboratory by: (Signature) 		Date	Time	Received by: (Signature)		Date	Time
						3/9/24	11:00				
Company Info:			Send Report to:			Analytical Laboratory					
Company: SCS Engineers			Company: SCS Engineers			AtmAA Inc.					
Street Address: 3900 Kilroy Airport Way Suite 100			Street Address: 3900 Kilroy Airport Way Suite 100			23917 Craftsman Rd.					
City/State/Zip: Long Beach / CA / 90806			City/State/Zip: Long Beach / CA / 90806			Calabasas, CA 91302					
Telephone No.: 562-743-7895 / 562-335-0002			Project Manager: Cornelius Fong			TEL: (818) 223-3277					
Fax No.:			Email Address: CFong@scsengineers.com			FAX: (818) 223-8250					





**LABORATORY ANALYSIS REPORT**

Hydrogen Sulfide and Reduced Sulfur Compounds  
Analysis in Tedlar Bag Sample by SCAQMD Method 307.91

Report Date: March 14, 2024  
Client: SCS Engineers  
Project Location: Chiquita Canyon Landfill  
Project No.: 07214017.91 Task 1  
Date Sampled: March 11, 2024  
Date Received: March 11, 2024  
Date Analyzed: March 11, 2024

**ANALYSIS DESCRIPTION**

Total sulfur analysis measured by gas chromatography with sulfur chemiluminescence detector (SCD), SCAQMD 307.91.

AtmAA Lab No.: 20714-1  
Sample I.D.: FL-1995

<u>Components</u>	<i>(Concentration in ppmv)</i>
Hydrogen sulfide	51.2
Carbonyl sulfide	0.99
Methyl mercaptan	34.9
Ethyl mercaptan	0.56
Dimethyl sulfide	225
Carbon disulfide	<0.50
i-Propyl mercaptan	1.14
t-Butyl mercaptan	<0.50
n-Propyl mercaptan	4.49
s-Butyl mercaptan	4.29
i-Butyl mercaptan	<0.50
Dimethyl disulfide	15.0
Tetrahydrothiophene	2.62
Unidentified sulfurs	19.0

*(Concentration in ppmv, as H<sub>2</sub>S)*

Total Sulfur 373.6

Brian W. Eung  
Laboratory Director



QUALITY ASSURANCE SUMMARY  
(Repeat Analyses)

Project Location: Chiquita Canyon Landfill  
 Date Sampled: March 11, 2024  
 Date Received: March 11, 2024  
 Date Analyzed: March 11, 2024

Components	Sample ID	Repeat Analysis		Mean Conc.	% RPD
		Run #1	Run #2		
		<i>(Concentration in ppmv)</i>			
Hydrogen sulfide	FL-1995	50.0	52.3	51.2	4.5
Carbonyl sulfide	FL-1995	0.90	1.08	0.99	18
Methyl mercaptan	FL-1995	34.3	35.4	34.9	3.2
Ethyl mercaptan	FL-1995	0.57	0.55	0.56	3.6
Dimethyl sulfide	FL-1995	222	227	225	2.2
Carbon disulfide	FL-1995	<0.50	<0.50	---	---
i-Propyl mercaptan	FL-1995	1.09	1.18	1.14	7.9
t-Butyl mercaptan	FL-1995	<0.50	<0.50	---	---
n-Propyl mercaptan	FL-1995	4.52	4.46	4.49	1.3
s-Butyl mercaptan	FL-1995	4.24	4.33	4.29	2.1
i-Butyl mercaptan	FL-1995	<0.50	<0.50	---	---
Dimethyl disulfide	FL-1995	14.9	15.1	15.0	1.3
Tetrahydrothiophene	FL-1995	2.70	2.54	2.62	6.1
Unidentified sulfurs	FL-1995	18.9	19.2	19.0	1.5

*One Tedlar bag sample, laboratory number 20714-1, was analyzed for total sulfur compounds. Agreement between repeat analyses is a measure of precision and is shown above in the column "% RPD". The average % RPD for 11 repeat measurements from one Tedlar bag sample is 4.7%.*



### CHAIN OF CUSTODY RECORD

Client/Project Name SCS Engineers / Chiquita Canyon		Project Location Castaic, CA			ANALYSES REQUESTED					
Project No. 07214017.91 Task 1		Field Logbook No.			TRSC307-911					
Sampler: (Signature) 		Chain of Custody Tape No.								
Sample No./ Identification	Type of Sample	AtmAA Lab Number	Sampling Date	Sampling Time						Special Remarks
E1-1995		20714-1	3/11/24	8:00AM	+					Unfiltered Raw Gas
										H2S Draiger

Relinquished by: (Signature) 	Date 3/11/24	Time 10:00AM	Received by: (Signature) 	Date 3/11/24	Time 10:00
Relinquished by: (Signature) 	Date 3/11/24	Time 10:06AM	Received by: (Signature) Ruben G.	Date 3-11-24	Time 10:06.
Relinquished by: (Signature) Ruben G.	Date 3-11-24	Time 10:53	Received for Laboratory by: (Signature) 	Date 3/11/24	Time 10:53

Company Info:	Send Report to:	Analytical Laboratory	
Company: SCS Engineers	Company: SCS Engineers	AtmAA Inc.	
Street Address: 3900 Kilroy Airport Way Suite 100	Street Address: 3900 Kilroy Airport Way Suite 100	23917 Craftsman Rd.	
City/State/Zip: Long Beach / CA / 90806	City/State/Zip: Long Beach / CA / 90806	Calabasas, CA 91302	
Telephone No.: 562-743-7895 / 562-335-0002	Project Manager: Cornelius Fong	TEL: (818) 223-3277	
Fax No.:	Email Address: CFong@scsengineers.com	FAX: (818) 223-8250	





**LABORATORY ANALYSIS REPORT**

Hydrogen Sulfide and Reduced Sulfur Compounds  
Analysis in Tedlar Bag Sample by SCAQMD Method 307.91

Report Date: March 14, 2024  
Client: SCS Engineers  
Project Location: Chiquita Canyon Landfill  
Project No.: 07214017.91 Task 2  
Date Sampled: March 12, 2024  
Date Received: March 13, 2024  
Date Analyzed: March 13, 2024

**ANALYSIS DESCRIPTION**

Total sulfur analysis measured by gas chromatography with sulfur chemiluminescence detector (SCD), SCAQMD 307.91.

AtmAA Lab No.: 20734-5  
Sample I.D.: FL-2009

<u>Components</u>	<i>(Concentration in ppmv)</i>
Hydrogen sulfide	41.7
Carbonyl sulfide	1.05
Methyl mercaptan	30.5
Ethyl mercaptan	0.61
Dimethyl sulfide	243
Carbon disulfide	<0.50
i-Propyl mercaptan	1.05
t-Butyl mercaptan	<0.50
n-Propyl mercaptan	4.56
s-Butyl mercaptan	4.55
i-Butyl mercaptan	<0.50
Dimethyl disulfide	17.2
Tetrahydrothiophene	3.25
Unidentified sulfurs	38.9

*(Concentration in ppmv, as H<sub>2</sub>S)*

Total Sulfur 403.5

Brian W. Fung  
Laboratory Director

QUALITY ASSURANCE SUMMARY  
(Repeat Analyses)

Project Location: Chiquita Canyon Landfill  
 Date Sampled: March 12, 2024  
 Date Received: March 13, 2024  
 Date Analyzed: March 13, 2024

Components	Sample ID	Repeat Analysis		Mean Conc.	% RPD
		Run #1	Run #2		
		<i>(Concentration in ppmv)</i>			
Hydrogen sulfide	FL-2009	41.4	41.9	41.7	1.2
Carbonyl sulfide	FL-2009	1.01	1.08	1.05	6.7
Methyl mercaptan	FL-2009	30.2	30.8	30.5	2.0
Ethyl mercaptan	FL-2009	0.58	0.64	0.61	9.8
Dimethyl sulfide	FL-2009	239	247	243	3.3
Carbon disulfide	FL-2009	<0.50	<0.50	---	---
i-Propyl mercaptan	FL-2009	1.00	1.09	1.05	8.6
t-Butyl mercaptan	FL-2009	<0.50	<0.50	---	---
n-Propyl mercaptan	FL-2009	4.71	4.40	4.56	6.8
s-Butyl mercaptan	FL-2009	4.55	4.54	4.55	0.22
i-Butyl mercaptan	FL-2009	<0.50	<0.50	---	---
Dimethyl disulfide	FL-2009	17.1	17.3	17.2	1.2
Tetrahydrothiophene	FL-2009	3.16	3.34	3.25	5.5
Unidentified sulfurs	FL-2009	38.8	39.1	38.9	0.87

*One Tedlar bag sample, laboratory number 20734-5, was analyzed for total sulfur compounds. Agreement between repeat analyses is a measure of precision and is shown above in the column "% RPD". The average % RPD for 11 repeat measurements from one Tedlar bag sample is 4.2%.*





**LABORATORY ANALYSIS REPORT**

Hydrogen Sulfide and Reduced Sulfur Compounds  
Analysis in Tedlar Bag Sample by SCAQMD Method 307.91

Report Date: March 14, 2024  
Client: SCS Engineers  
Project Location: Chiquita Canyon Landfill  
Project No.: 07214017.91 Task 2  
Date Sampled: March 13, 2024  
Date Received: March 13, 2024  
Date Analyzed: March 13, 2024

**ANALYSIS DESCRIPTION**

Total sulfur analysis measured by gas chromatography with sulfur chemiluminescence detector (SCD), SCAQMD 307.91.

AtmAA Lab No.: 20734-6  
Sample I.D.: FL-2009

<u>Components</u>	<i>(Concentration in ppmv)</i>
Hydrogen sulfide	59.2
Carbonyl sulfide	1.17
Methyl mercaptan	39.6
Ethyl mercaptan	0.73
Dimethyl sulfide	225
Carbon disulfide	<0.50
i-Propyl mercaptan	1.34
t-Butyl mercaptan	<0.50
n-Propyl mercaptan	4.22
s-Butyl mercaptan	4.33
i-Butyl mercaptan	<0.50
Dimethyl disulfide	12.6
Tetrahydrothiophene	2.88
Unidentified sulfurs	27.8

*(Concentration in ppmv, as H<sub>2</sub>S)*

Total Sulfur 390.9

Brian W. Fung  
Laboratory Director

QUALITY ASSURANCE SUMMARY  
(Repeat Analyses)

Project Location: Chiquita Canyon Landfill  
 Date Sampled: March 13, 2024  
 Date Received: March 13, 2024  
 Date Analyzed: March 13, 2024

Components	Sample ID	Repeat Analysis		Mean Conc.	% RPD
		Run #1	Run #2		
		<i>(Concentration in ppmv)</i>			
Hydrogen sulfide	FL-2009	58.4	60.0	59.2	2.7
Carbonyl sulfide	FL-2009	1.23	1.10	1.17	11
Methyl mercaptan	FL-2009	39.6	39.5	39.6	0.25
Ethyl mercaptan	FL-2009	0.76	0.69	0.73	9.7
Dimethyl sulfide	FL-2009	226	223	225	1.3
Carbon disulfide	FL-2009	<0.50	<0.50	---	---
i-Propyl mercaptan	FL-2009	1.29	1.38	1.34	6.7
t-Butyl mercaptan	FL-2009	<0.50	<0.50	---	---
n-Propyl mercaptan	FL-2009	3.85	4.58	4.22	17
s-Butyl mercaptan	FL-2009	4.31	4.35	4.33	0.92
i-Butyl mercaptan	FL-2009	<0.50	<0.50	---	---
Dimethyl disulfide	FL-2009	12.6	12.6	12.6	0.00
Tetrahydrothiophene	FL-2009	2.76	3.00	2.88	8.3
Unidentified sulfurs	FL-2009	28.0	27.7	27.8	1.3

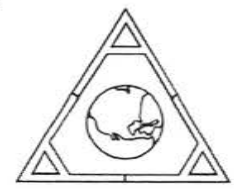
*One Tedlar bag sample, laboratory number 20734-6, was analyzed for total sulfur compounds. Agreement between repeat analyses is a measure of precision and is shown above in the column "% RPD". The average % RPD for 11 repeat measurements from one Tedlar bag sample is 5.4%.*





## CHAIN OF CUSTODY RECORD

Client/Project Name SCS Engineers / Chiquita Canyon		Project Location Castaic, CA			ANALYSES REQUESTED						
Project No. 07214017.91 Task 2		Field Logbook No.			<div style="writing-mode: vertical-rl; transform: rotate(180deg); font-size: 2em; font-weight: bold;">TPSL(307.91)</div>						
Sampler: (Signature) <i>[Signature]</i>		Chain of Custody Tape No.									
Sample No./ Identification	Type of Sample	AtmAA Lab Number	Sampling Date	Sampling Time							
FL-2009	Landfill Gas	20734-5	3/12/24	5:15pm	X						Unfiltered Raw Gas
FL-2009	Landfill Gas	-6	3/13/24	7:30am	X						H2S Draiger
											3/12/24 30ppm
											3/13/24 52ppm
Relinquished by: (Signature) <i>[Signature]</i>		Date	Time	Received by: (Signature) <i>[Signature]</i>			Date	Time			
Relinquished by: (Signature) <i>[Signature]</i>		Date	Time	Received by: (Signature) <i>[Signature]</i>			Date	Time			
Relinquished by: (Signature)		Date	Time	Received for Laboratory by: (Signature) <i>[Signature]</i>			Date	Time			
Company Info:		Send Report to:			Analytical Laboratory						
Company: SCS Engineers		Company: SCS Engineers			AtmAA Inc.						
Street Address: 3900 Kilroy Airport Way Suite 100		Street Address: 3900 Kilroy Airport Way Suite 100			23917 Craftsman Rd.						
City/State/Zip: Long Beach / CA / 90806		City/State/Zip: Long Beach / CA / 90806			Calabasas, CA 91302						
Telephone No.: 562-743-7895 / 562-335-0002		Project Manager: Cornelius Fong			TEL: (818) 223-3277						
Fax No.:		Email Address: CFong@scsengineers.com			FAX: (818) 223-8250						





AtmAA Inc.

23917 Craftsman Rd., Calabasas, CA 91302 • (818) 223-3277

specialized air assessment laboratory  
atmaa.com

March 29, 2024

LTR/2371/24

Cornelius L. Fong  
SCS Engineers  
3900 Kilroy Airport Way  
Suite 100  
Long Beach, CA 90806

Re: Chiquita Canyon sulfur samples

Dear Corn,

Please find enclosed the laboratory analysis reports, quality assurance summaries, and the chain of custody forms for a total of 9 Tedlar bag samples received March 14-22, 2024.

The Tedlar bag sample was analyzed for SCAQMD 307.91 total sulfur components as requested on the chain of custody forms.

Sincerely,

AtmAA, Inc.

Brian W. Fung  
Laboratory Director





**LABORATORY ANALYSIS REPORT**

Hydrogen Sulfide and Reduced Sulfur Compounds  
Analysis in Tedlar Bag Sample by SCAQMD Method 307.91

Report Date: March 29, 2024  
Client: SCS Engineers  
Project Location: Chiquita Canyon Landfill  
Project No.: 07214017.91 Task 2  
Date Sampled: March 14, 2024  
Date Received: March 14, 2024  
Date Analyzed: March 14, 2024

**ANALYSIS DESCRIPTION**

Total sulfur analysis measured by gas chromatography with sulfur chemiluminescence detector (SCD), SCAQMD 307.91.

AtmAA Lab No.: 20744-9  
Sample I.D.: FL-2009

<u>Components</u>	<i>(Concentration in ppmv)</i>
Hydrogen sulfide	33.5
Carbonyl sulfide	0.94
Methyl mercaptan	37.1
Ethyl mercaptan	0.75
Dimethyl sulfide	238
Carbon disulfide	<0.50
i-Propyl mercaptan	1.20
t-Butyl mercaptan	<0.50
n-Propyl mercaptan	4.60
s-Butyl mercaptan	4.22
i-Butyl mercaptan	<0.50
Dimethyl disulfide	14.1
Tetrahydrothiophene	2.91
Unidentified sulfurs	30.7

*(Concentration in ppmv, as H<sub>2</sub>S)*

Total Sulfur 382.1

Brian W. Fung  
Laboratory Director

QUALITY ASSURANCE SUMMARY  
(Repeat Analyses)

Project Location: Chiquita Canyon Landfill  
 Date Sampled: March 14, 2024  
 Date Received: March 14, 2024  
 Date Analyzed: March 14, 2024

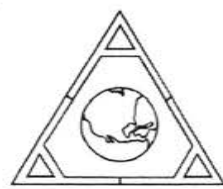
Components	Sample ID	Repeat Analysis		Mean Conc.	% RPD
		Run #1	Run #2		
		(Concentration in ppmv)			
Hydrogen sulfide	FL-2009	32.9	34.1	33.5	3.6
Carbonyl sulfide	FL-2009	0.88	1.00	0.94	12
Methyl mercaptan	FL-2009	36.8	37.4	37.1	1.6
Ethyl mercaptan	FL-2009	0.76	0.74	0.75	2.8
Dimethyl sulfide	FL-2009	235	241	238	2.5
Carbon disulfide	FL-2009	<0.50	<0.50	---	---
i-Propyl mercaptan	FL-2009	1.22	1.18	1.20	3.3
t-Butyl mercaptan	FL-2009	<0.50	<0.50	---	---
n-Propyl mercaptan	FL-2009	4.22	4.98	4.60	17
s-Butyl mercaptan	FL-2009	4.07	4.37	4.22	7.1
i-Butyl mercaptan	FL-2009	<0.50	<0.50	---	---
Dimethyl disulfide	FL-2009	13.4	14.7	14.1	9.3
Tetrahydrothiophene	FL-2009	2.95	2.86	2.91	3.1
Unidentified sulfurs	FL-2009	31.6	29.9	30.7	5.6

*One Tedlar bag sample, laboratory number 20744-9, was analyzed for total sulfur compounds. Agreement between repeat analyses is a measure of precision and is shown above in the column "% RPD". The average % RPD for 11 repeat measurements from one Tedlar bag sample is 6.2%.*



## CHAIN OF CUSTODY RECORD

Client/Project Name <b>SCS Engineers / Chiquita Canyon</b>		Project Location <b>Castaic, CA</b>			ANALYSES REQUESTED							
Project No. <b>07214017.91 Task 2</b>		Field Logbook No.			<div style="display: flex; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg); border: 1px solid black; padding: 5px;">TPS (302.91)</div> <div style="flex-grow: 1; border: 1px solid black; background: repeating-linear-gradient(45deg, transparent, transparent 2px, black 2px, black 4px);"></div> </div>							
Sampler: (Signature) 		Chain of Custody Tape No.										
Sample No./ Identification	Type of Sample	AtmAA Lab Number	Sampling Date	Sampling Time						Special Remarks		
<b>FL 2009</b>	<b>LFG</b>	<b>20744-9</b>	<b>3/14/24</b>	<b>10:30<sup>AM</sup></b>	<b>X</b>							<b>Unfiltered Raw Gas</b>
												<b>H2S Draiger 29ppm</b>
Relinquished by: (Signature) 		Date	Time	Received by: (Signature) 		Date	Time			Date	Time	
Relinquished by: (Signature)		<b>3/14/24</b>	<b>11:06<sup>AM</sup></b>			<b>3/14</b>	<b>11:06</b>					
Relinquished by: (Signature)		Date	Time	Received for Laboratory by: (Signature) 		Date	Time			Date	Time	
						<b>3/14/24</b>	<b>11:06</b>					
Company Info:		Send Report to:			Analytical Laboratory							
Company: SCS Engineers		Company: SCS Engineers			AtmAA Inc.							
Street Address: 3900 Kilroy Airport Way Suite 100		Street Address: 3900 Kilroy Airport Way Suite 100			23917 Craftsman Rd.							
City/State/Zip: Long Beach / CA / 90806		City/State/Zip: Long Beach / CA / 90806			Calabasas, CA 91302							
Telephone No.: 562-743-7895 / 562-335-0002		Project Manager: Cornelius Fong			TEL: (818) 223-3277							
Fax No.:		Email Address: CFong@scsengineers.com			FAX: (818) 223-8250							





**LABORATORY ANALYSIS REPORT**

Hydrogen Sulfide and Reduced Sulfur Compounds  
Analysis in Tedlar Bag Sample by SCAQMD Method 307.91

Report Date: March 29, 2024  
Client: SCS Engineers  
Project Location: Chiquita Canyon Landfill  
Project No.: 07214017.91 Task 2  
Date Sampled: March 15, 2024  
Date Received: March 15, 2024  
Date Analyzed: March 15, 2024

**ANALYSIS DESCRIPTION**

Total sulfur analysis measured by gas chromatography with sulfur chemiluminescence detector (SCD), SCAQMD 307.91.

AtmAA Lab No.: 20754-22  
Sample I.D.: FL-2009

<u>Components</u>	<i>(Concentration in ppmv)</i>
Hydrogen sulfide	48.6
Carbonyl sulfide	1.07
Methyl mercaptan	41.7
Ethyl mercaptan	0.78
Dimethyl sulfide	236
Carbon disulfide	<0.50
i-Propyl mercaptan	1.54
t-Butyl mercaptan	<0.50
n-Propyl mercaptan	4.27
s-Butyl mercaptan	4.34
i-Butyl mercaptan	<0.50
Dimethyl disulfide	11.3
Tetrahydrothiophene	2.31
Unidentified sulfurs	16.7

*(Concentration in ppmv, as H<sub>2</sub>S)*

Total Sulfur 379.9

Brian W. Fung  
Laboratory Director

QUALITY ASSURANCE SUMMARY  
(Repeat Analyses)

Project Location: Chiquita Canyon Landfill  
 Date Sampled: March 15, 2024  
 Date Received: March 15, 2024  
 Date Analyzed: March 15, 2024

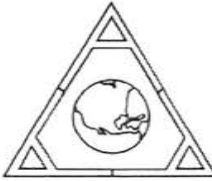
Components	Sample ID	Repeat Analysis		Mean Conc.	% RPD
		Run #1	Run #2		
		<i>(Concentration in ppmv)</i>			
Hydrogen sulfide	FL-2009	49.3	47.9	48.6	2.9
Carbonyl sulfide	FL-2009	1.05	1.08	1.07	2.8
Methyl mercaptan	FL-2009	41.3	42.0	41.7	1.7
Ethyl mercaptan	FL-2009	0.83	0.72	0.78	14
Dimethyl sulfide	FL-2009	233	239	236	2.5
Carbon disulfide	FL-2009	<0.50	<0.50	---	---
i-Propyl mercaptan	FL-2009	1.61	1.46	1.54	9.8
t-Butyl mercaptan	FL-2009	<0.50	<0.50	---	---
n-Propyl mercaptan	FL-2009	4.08	4.45	4.27	8.7
s-Butyl mercaptan	FL-2009	4.54	4.14	4.34	9.2
i-Butyl mercaptan	FL-2009	<0.50	<0.50	---	---
Dimethyl disulfide	FL-2009	11.6	11.0	11.3	5.3
Tetrahydrothiophene	FL-2009	2.61	2.00	2.31	27
Unidentified sulfurs	FL-2009	17.0	16.5	16.7	3.5

*One Tedlar bag sample, laboratory number 20754-22, was analyzed for total sulfur compounds. Agreement between repeat analyses is a measure of precision and is shown above in the column "% RPD". The average % RPD for 11 repeat measurements from one Tedlar bag sample is 7.9%.*



### CHAIN OF CUSTODY RECORD

Client/Project Name SCS Engineers / Chiquita Canyon		Project Location Castaic, CA			ANALYSES REQUESTED						
Project No. 07214017.91 Task 2		Field Logbook No.			FRS (307.91)						
Sampler: (Signature) <i>Mani Matley</i>		Chain of Custody Tape No.									
Sample No./ Identification	Type of Sample	AtmAA Lab Number	Sampling Date	Sampling Time							Special Remarks
FL-2009	LFG	20754-22	3-15-24	8:10am	X						Unfiltered Raw Gas
											H2S Draiger 35 ppm
Relinquished by: (Signature) <i>Mani Matley</i>		Date 3-15-24	Time 10:40	Received by: (Signature) <i>S Ferrer</i>		Date 3-15-24	Time 10:40				
Relinquished by: (Signature) <i>S. Ferrer</i>		Date 3-15-24	Time 11:24	Received by: (Signature) <i>[Signature]</i>		Date 3/15/24	Time 1:48pm				
Relinquished by: (Signature)		Date	Time	Received for Laboratory by: (Signature) <i>[Signature] AtmAA</i>		Date 3/15/24	Time 11:24				
Company Info:		Send Report to:			Analytical Laboratory						
Company: SCS Engineers		Company: SCS Engineers			AtmAA Inc.						
Street Address: 3900 Kilroy Airport Way Suite 100		Street Address: 3900 Kilroy Airport Way Suite 100			23917 Craftsman Rd.						
City/State/Zip: Long Beach / CA / 90806		City/State/Zip: Long Beach / CA / 90806			Calabasas, CA 91302						
Telephone No.: 562-743-7895 / 562-335-0002		Project Manager: Cornelius Fong			TEL: (818) 223-3277						
Fax No.:		Email Address: CFong@scsengineers.com			FAX: (818) 223-8250						







**LABORATORY ANALYSIS REPORT**

Hydrogen Sulfide and Reduced Sulfur Compounds  
Analysis in Tedlar Bag Sample by SCAQMD Method 307.91

Report Date: March 29, 2024  
Client: SCS Engineers  
Project Location: Chiquita Canyon Landfill  
Project No.: 07214017.91 Task 2  
Date Sampled: March 16, 2024  
Date Received: March 16, 2024  
Date Analyzed: March 16, 2024

**ANALYSIS DESCRIPTION**

Total sulfur analysis measured by gas chromatography with sulfur chemiluminescence detector (SCD), SCAQMD 307.91.

AtmAA Lab No.: 20764-4  
Sample I.D.: FL-2009

<u>Components</u>	<i>(Concentration in ppmv)</i>
Hydrogen sulfide	50.8
Carbonyl sulfide	0.91
Methyl mercaptan	41.5
Ethyl mercaptan	0.97
Dimethyl sulfide	212
Carbon disulfide	<0.50
i-Propyl mercaptan	1.55
t-Butyl mercaptan	<0.50
n-Propyl mercaptan	3.89
s-Butyl mercaptan	4.09
i-Butyl mercaptan	<0.50
Dimethyl disulfide	9.30
Tetrahydrothiophene	2.21
Unidentified sulfurs	13.4

*(Concentration in ppmv, as H<sub>2</sub>S)*

Total Sulfur 349.3

Brian W. Fung  
Laboratory Director

QUALITY ASSURANCE SUMMARY  
(Repeat Analyses)

Project Location: Chiquita Canyon Landfill  
 Date Sampled: March 16, 2024  
 Date Received: March 16, 2024  
 Date Analyzed: March 16, 2024

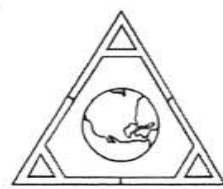
Components	Sample ID	Repeat Analysis		Mean Conc.	% RPD
		Run #1	Run #2		
		<i>(Concentration in ppmv)</i>			
Hydrogen sulfide	FL-2009	50.2	51.3	50.8	2.2
Carbonyl sulfide	FL-2009	0.86	0.95	0.91	9.9
Methyl mercaptan	FL-2009	41.1	41.9	41.5	1.9
Ethyl mercaptan	FL-2009	0.96	0.98	0.97	1.8
Dimethyl sulfide	FL-2009	211	212	212	0.47
Carbon disulfide	FL-2009	<0.50	<0.50	---	---
i-Propyl mercaptan	FL-2009	1.45	1.65	1.55	13
t-Butyl mercaptan	FL-2009	<0.50	<0.50	---	---
n-Propyl mercaptan	FL-2009	3.91	3.86	3.89	1.4
s-Butyl mercaptan	FL-2009	3.97	4.20	4.09	5.6
i-Butyl mercaptan	FL-2009	<0.50	<0.50	---	---
Dimethyl disulfide	FL-2009	9.17	9.42	9.30	2.7
Tetrahydrothiophene	FL-2009	2.22	2.19	2.21	1.4
Unidentified sulfurs	FL-2009	13.6	13.2	13.4	2.7

*One Tedlar bag sample, laboratory number 20764-4, was analyzed for total sulfur compounds. Agreement between repeat analyses is a measure of precision and is shown above in the column "% RPD". The average % RPD for 11 repeat measurements from one Tedlar bag sample is 3.9%.*



### CHAIN OF CUSTODY RECORD

Client/Project Name <b>SCS Engineers / Chiquita Canyon</b>		Project Location <b>Castaic, CA</b>			ANALYSES REQUESTED																																																																																																									
Project No. <b>07214017.91 Task 2</b>		Field Logbook No.			<div style="display: flex; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg); border: 1px solid black; padding: 5px;">TRS (307.91)</div> <table border="1" style="width: 100%; height: 100%; border-collapse: collapse;"> <tr><td style="width: 10%;"></td><td style="width: 10%;"></td><td style="width: 10%;"></td><td style="width: 10%;"></td><td style="width: 10%;"></td><td style="width: 10%;"></td><td style="width: 10%;"></td><td style="width: 10%;"></td><td style="width: 10%;"></td><td style="width: 10%;"></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </table> </div>																																																																																																									
Sampler: (Signature) 		Chain of Custody Tape No.																																																																																																												
Sample No./ Identification	Type of Sample	AtmAA Lab Number	Sampling Date	Sampling Time							Special Remarks																																																																																																			
<b>FL-2009</b>	<b>LFG</b>	<b>20764-4</b>	<b>3/16/24</b>	<b>7:40 AM</b>	<b>X</b>						<b>Unfiltered Raw Gas</b>																																																																																																			
											<b>H2S Draiger 48 PPM</b>																																																																																																			
Relinquished by: (Signature) 		Date <b>3/16/24</b>	Time <b>10:25 AM</b>	Received by: (Signature) 		Date <b>3/16/24</b>	Time <b>10:25 AM</b>																																																																																																							
Relinquished by: (Signature) 		Date <b>3/16/24</b>	Time <b>11:17</b>	Received by: (Signature) 		Date <b>3/16/24</b>	Time <b>11:17 AM</b>																																																																																																							
Relinquished by: (Signature)		Date	Time	Received for Laboratory by: (Signature)		Date	Time																																																																																																							
Company Info:		Send Report to:			Analytical Laboratory																																																																																																									
Company: <b>SCS Engineers</b>		Company: <b>SCS Engineers</b>			Company: <b>AtmAA Inc.</b>																																																																																																									
Street Address: <b>3900 Kilroy Airport Way Suite 100</b>		Street Address: <b>3900 Kilroy Airport Way Suite 100</b>			Street Address: <b>23917 Craftsman Rd.</b>																																																																																																									
City/State/Zip: <b>Long Beach / CA / 90806</b>		City/State/Zip: <b>Long Beach / CA / 90806</b>			City/State/Zip: <b>Calabasas, CA 91302</b>																																																																																																									
Telephone No.: <b>562-743-7895 / 562-335-0002</b>		Project Manager: <b>Cornelius Fong</b>			TEL: <b>(818) 223-3277</b>																																																																																																									
Fax No.:		Email Address: <b>CFong@scsengineers.com</b>			FAX: <b>(818) 223-8250</b>																																																																																																									





**LABORATORY ANALYSIS REPORT**

Hydrogen Sulfide and Reduced Sulfur Compounds  
Analysis in Tedlar Bag Sample by SCAQMD Method 307.91

Report Date: March 29, 2024  
Client: SCS Engineers  
Project Location: Chiquita Canyon Landfill  
Project No.: 07214017.91 Task 2  
Date Sampled: March 17, 2024  
Date Received: March 18, 2024  
Date Analyzed: March 18, 2024

**ANALYSIS DESCRIPTION**

Total sulfur analysis measured by gas chromatography with sulfur chemiluminescence detector (SCD), SCAQMD 307.91.

AtmAA Lab No.: 20784-4  
Sample I.D.: FL-2009

<u>Components</u>	<i>(Concentration in ppmv)</i>
Hydrogen sulfide	47.8
Carbonyl sulfide	1.04
Methyl mercaptan	44.6
Ethyl mercaptan	1.14
Dimethyl sulfide	235
Carbon disulfide	<0.50
i-Propyl mercaptan	1.30
t-Butyl mercaptan	<0.50
n-Propyl mercaptan	4.21
s-Butyl mercaptan	3.83
i-Butyl mercaptan	<0.50
Dimethyl disulfide	10.0
Tetrahydrothiophene	2.64
Unidentified sulfurs	13.4

*(Concentration in ppmv, as H<sub>2</sub>S)*

Total Sulfur 374.9

Brian W. Fung  
Laboratory Director



QUALITY ASSURANCE SUMMARY  
(Repeat Analyses)

Project Location: Chiquita Canyon Landfill  
 Date Sampled: March 17, 2024  
 Date Received: March 18, 2024  
 Date Analyzed: March 18, 2024

Components	Sample ID	Repeat Analysis		Mean Conc.	% RPD
		Run #1	Run #2		
		(Concentration in ppmv)			
Hydrogen sulfide	FL-2009	47.2	48.3	47.8	2.3
Carbonyl sulfide	FL-2009	1.08	0.99	1.04	8.7
Methyl mercaptan	FL-2009	44.1	45.1	44.6	2.2
Ethyl mercaptan	FL-2009	1.18	1.10	1.14	7.0
Dimethyl sulfide	FL-2009	231	239	235	3.4
Carbon disulfide	FL-2009	<0.50	<0.50	---	---
i-Propyl mercaptan	FL-2009	1.32	1.28	1.30	3.1
t-Butyl mercaptan	FL-2009	<0.50	<0.50	---	---
n-Propyl mercaptan	FL-2009	4.22	4.20	4.21	0.43
s-Butyl mercaptan	FL-2009	3.92	3.73	3.83	5.0
i-Butyl mercaptan	FL-2009	<0.50	<0.50	---	---
Dimethyl disulfide	FL-2009	10.2	9.88	10.0	3.2
Tetrahydrothiophene	FL-2009	2.80	2.47	2.64	13
Unidentified sulfurs	FL-2009	13.6	13.2	13.4	3.0

*One Tedlar bag sample, laboratory number 20784-4, was analyzed for total sulfur compounds. Agreement between repeat analyses is a measure of precision and is shown above in the column "% RPD". The average % RPD for 11 repeat measurements from one Tedlar bag sample is 4.6%.*



## CHAIN OF CUSTODY RECORD

Client/Project Name SCS Engineers / Chiquita Canyon		Project Location Castaic, CA			ANALYSES REQUESTED						
Project No. 07214017.91 Task 2		Field Logbook No.			<div style="writing-mode: vertical-rl; transform: rotate(180deg); font-size: 2em; font-weight: bold;">TR5(307.91)</div>						
Sampler: (Signature) 		Chain of Custody Tape No.									
Sample No./ Identification	Type of Sample	AtmAA Lab Number	Sampling Date	Sampling Time							Special Remarks
FL-2009	LFG	20784-4	3/17/24	10:40AM	X						Unfiltered Raw Gas
											H2S Draiger 36 PPM
Relinquished by: (Signature) 		Date	Time	Received by: (Signature) 		Date	Time				
		3/18/24	10:34am			03/18/24	10:34				
Relinquished by: (Signature) 		Date	Time	Received by: (Signature) LUIS FAFAM		Date	Time				
		03/18/24	11:53am			3/18/24	11:53				
Relinquished by: (Signature) LUIS FAFAM		Date	Time	Received for Laboratory by: (Signature) 		Date	Time				
		3/18/24	12:46			3-18-24	12:45				
Company Info:		Send Report to:			Analytical Laboratory						
Company: SCS Engineers		Company: SCS Engineers			AtmAA Inc.						
Street Address: 3900 Kilroy Airport Way Suite 100		Street Address: 3900 Kilroy Airport Way Suite 100			23917 Craftsman Rd.						
City/State/Zip: Long Beach / CA / 90806		City/State/Zip: Long Beach / CA / 90806			Calabasas, CA 91302						
Telephone No.: 562-743-7895 / 562-335-0002		Project Manager: Cornelius Fong			TEL: (818) 223-3277						
Fax No.:		Email Address: CFong@scsengineers.com			FAX: (818) 223-8250						





**LABORATORY ANALYSIS REPORT**

Hydrogen Sulfide and Reduced Sulfur Compounds  
Analysis in Tedlar Bag Sample by SCAQMD Method 307.91

Report Date: March 29, 2024  
Client: SCS Engineers  
Project Location: Chiquita Canyon Landfill  
Project No.: 07214017.91 Task 2  
Date Sampled: March 18, 2024  
Date Received: March 18, 2024  
Date Analyzed: March 18, 2024

**ANALYSIS DESCRIPTION**

Total sulfur analysis measured by gas chromatography with sulfur chemiluminescence detector (SCD), SCAQMD 307.91.

AtmAA Lab No.: 20784-5  
Sample I.D.: FL-2009

<u>Components</u>	<i>(Concentration in ppmv)</i>
Hydrogen sulfide	60.4
Carbonyl sulfide	1.12
Methyl mercaptan	51.3
Ethyl mercaptan	1.21
Dimethyl sulfide	227
Carbon disulfide	<0.50
i-Propyl mercaptan	1.77
t-Butyl mercaptan	<0.50
n-Propyl mercaptan	4.29
s-Butyl mercaptan	4.54
i-Butyl mercaptan	<0.50
Dimethyl disulfide	8.62
Tetrahydrothiophene	2.61
Unidentified sulfurs	12.8

*(Concentration in ppmv, as H<sub>2</sub>S)*

Total Sulfur 383.8

Brian W. Fung  
Laboratory Director

QUALITY ASSURANCE SUMMARY  
(Repeat Analyses)

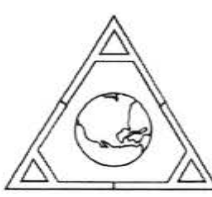
Project Location: Chiquita Canyon Landfill  
 Date Sampled: March 18, 2024  
 Date Received: March 18, 2024  
 Date Analyzed: March 18, 2024

Components	Sample ID	Repeat Analysis		Mean Conc.	% RPD
		Run #1	Run #2		
		(Concentration in ppmv)			
Hydrogen sulfide	FL-2009	60.8	60.0	60.4	1.3
Carbonyl sulfide	FL-2009	1.08	1.16	1.12	7.1
Methyl mercaptan	FL-2009	51.6	51.0	51.3	1.2
Ethyl mercaptan	FL-2009	1.18	1.24	1.21	5.0
Dimethyl sulfide	FL-2009	224	229	227	2.2
Carbon disulfide	FL-2009	<0.50	<0.50	---	---
i-Propyl mercaptan	FL-2009	1.73	1.81	1.77	4.5
t-Butyl mercaptan	FL-2009	<0.50	<0.50	---	---
n-Propyl mercaptan	FL-2009	4.37	4.20	4.29	4.1
s-Butyl mercaptan	FL-2009	4.36	4.71	4.54	7.7
i-Butyl mercaptan	FL-2009	<0.50	<0.50	---	---
Dimethyl disulfide	FL-2009	8.56	8.68	8.62	1.4
Tetrahydrothiophene	FL-2009	2.60	2.61	2.61	0.38
Unidentified sulfurs	FL-2009	12.9	12.7	12.8	1.4

*One Tedlar bag sample, laboratory number 20784-5, was analyzed for total sulfur compounds. Agreement between repeat analyses is a measure of precision and is shown above in the column "% RPD". The average % RPD for 11 repeat measurements from one Tedlar bag sample is 3.3%.*



### CHAIN OF CUSTODY RECORD

Client/Project Name <b>SCS Engineers / Chiquita Canyon</b>		Project Location <b>Castaic, CA</b>			ANALYSES REQUESTED						
Project No. <b>07214017.91 Task 2</b>		Field Logbook No.			<div style="writing-mode: vertical-rl; transform: rotate(180deg);">TR-5 (307.91)</div>						
Sampler: (Signature) <i>Zita Matus</i>		Chain of Custody Tape No.									
Sample No./ Identification	Type of Sample	AtmAA Lab Number	Sampling Date	Sampling Time							Special Remarks
<b>FL-2009</b>	<b>LFG</b>	<b>20784-5</b>	<b>3/18/24</b>	<b>8:20 am</b>	<b>X</b>						<b>Unfiltered Raw Gas</b>
											<b>H2S Draiger 47 ppm</b>
Relinquished by: (Signature) <i>Zita Matus</i>		Date <b>03/18/24</b>	Time <b>11:57</b>	Received by: (Signature) <b>LUIS FARRAN</b>		Date <b>3/18/24</b>	Time <b>11:53</b>				
Relinquished by: (Signature) <b>LUIS FARRAN</b>		Date <b>3/18/24</b>	Time <b>12:46</b>	Received by: (Signature)		Date	Time				
Relinquished by: (Signature)		Date	Time	Received for Laboratory by: (Signature) <i>[Signature]</i>		Date <b>3-18-24</b>	Time <b>12:45</b>				
Company Info:		Send Report to:			Analytical Laboratory						
Company: <b>SCS Engineers</b>		Company: <b>SCS Engineers</b>			AtmAA Inc.						
Street Address: <b>3900 Kilroy Airport Way Suite 100</b>		Street Address: <b>3900 Kilroy Airport Way Suite 100</b>			23917 Craftsman Rd.						
City/State/Zip: <b>Long Beach / CA / 90806</b>		City/State/Zip: <b>Long Beach / CA / 90806</b>			Calabasas, CA 91302						
Telephone No.: <b>562-743-7895 / 562-335-0002</b>		Project Manager: <b>Cornelius Fong</b>			TEL: (818) 223-3277						
Fax No.:		Email Address: <b>CFong@scsengineers.com</b>			FAX: (818) 223-8250						



**LABORATORY ANALYSIS REPORT**

Hydrogen Sulfide and Reduced Sulfur Compounds  
Analysis in Tedlar Bag Sample by SCAQMD Method 307.91

Report Date: March 29, 2024  
Client: SCS Engineers  
Project Location: Chiquita Canyon Landfill  
Project No.: 07214017.91 Task 2  
Date Sampled: March 19, 2024  
Date Received: March 20, 2024  
Date Analyzed: March 20, 2024

**ANALYSIS DESCRIPTION**

Total sulfur analysis measured by gas chromatography with sulfur chemiluminescence detector (SCD), SCAQMD 307.91.

AtmAA Lab No.: 20804-11  
Sample I.D.: FL-2009

<u>Components</u>	<i>(Concentration in ppmv)</i>
Hydrogen sulfide	43.4
Carbonyl sulfide	1.13
Methyl mercaptan	43.4
Ethyl mercaptan	0.99
Dimethyl sulfide	249
Carbon disulfide	<0.50
i-Propyl mercaptan	1.39
t-Butyl mercaptan	<0.50
n-Propyl mercaptan	4.14
s-Butyl mercaptan	4.69
i-Butyl mercaptan	<0.50
Dimethyl disulfide	12.7
Tetrahydrothiophene	3.07
Unidentified sulfurs	23.9

*(Concentration in ppmv, as H<sub>2</sub>S)*

Total Sulfur 400.4

Brian W. Fung  
Laboratory Director



QUALITY ASSURANCE SUMMARY  
(Repeat Analyses)

Project Location: Chiquita Canyon Landfill  
 Date Sampled: March 19, 2024  
 Date Received: March 20, 2024  
 Date Analyzed: March 20, 2024

Components	Sample ID	Repeat Analysis		Mean Conc.	% RPD
		Run #1	Run #2		
		<i>(Concentration in ppmv)</i>			
Hydrogen sulfide	FL-2009	43.2	43.5	43.4	0.69
Carbonyl sulfide	FL-2009	1.08	1.19	1.13	10
Methyl mercaptan	FL-2009	43.0	43.8	43.4	1.8
Ethyl mercaptan	FL-2009	0.96	1.02	0.99	6.0
Dimethyl sulfide	FL-2009	252	246	249	2.4
Carbon disulfide	FL-2009	<0.50	<0.50	---	---
i-Propyl mercaptan	FL-2009	1.48	1.30	1.39	13
t-Butyl mercaptan	FL-2009	<0.50	<0.50	---	---
n-Propyl mercaptan	FL-2009	3.99	4.28	4.14	7.0
s-Butyl mercaptan	FL-2009	4.74	4.64	4.69	2.1
i-Butyl mercaptan	FL-2009	<0.50	<0.50	---	---
Dimethyl disulfide	FL-2009	12.8	12.6	12.7	1.6
Tetrahydrothiophene	FL-2009	3.00	3.14	3.07	4.6
Unidentified sulfurs	FL-2009	23.7	24.1	23.9	1.6

*One Tedlar bag sample, laboratory number 20804-11, was analyzed for total sulfur compounds. Agreement between repeat analyses is a measure of precision and is shown above in the column "% RPD". The average % RPD for 11 repeat measurements from one Tedlar bag sample is 4.6%.*





## CHAIN OF CUSTODY RECORD

Client/Project Name <b>SCS Engineers / Chiquita Canyon</b>		Project Location <b>Castaic, CA</b>			ANALYSES REQUESTED						
Project No. <b>07214017.91 Task 2</b>		Field Logbook No.			<div style="transform: rotate(-45deg); font-size: 2em; font-weight: bold;">TR5(307.91)</div>						
Sampler: (Signature) 		Chain of Custody Tape No.									
Sample No./ Identification	Type of Sample	AtmAA Lab Number	Sampling Date	Sampling Time							Special Remarks
<b>FL-2009</b>	<b>LFG</b>	<b>20804-11</b>	<b>3-19-24</b>	<b>5:05pm</b>	<b>X</b>						<b>Unfiltered Raw Gas</b>
											<b>H2S Draiger 35ppm</b>
Relinquished by: (Signature) 		Date	Time	Received by: (Signature) 			Date	Time			
Relinquished by: (Signature) 		Date	Time	Received by: (Signature) 			Date	Time			
Relinquished by: (Signature) 		Date	Time	Received for Laboratory by: (Signature) 			Date	Time			
Company Info:		Send Report to:			Analytical Laboratory						
Company: <b>SCS Engineers</b>		Company: <b>SCS Engineers</b>			AtmAA Inc.						
Street Address: <b>3900 Kilroy Airport Way Suite 100</b>		Street Address: <b>3900 Kilroy Airport Way Suite 100</b>			23917 Craftsman Rd.						
City/State/Zip: <b>Long Beach / CA / 90806</b>		City/State/Zip: <b>Long Beach / CA / 90806</b>			Calabasas, CA 91302						
Telephone No.: <b>562-743-7895 / 562-335-0002</b>		Project Manager: <b>Cornelius Fong</b>			TEL: (818) 223-3277						
Fax No.:		Email Address: <b>CFong@scsengineers.com</b>			FAX: (818) 223-8250						



### LABORATORY ANALYSIS REPORT

Hydrogen Sulfide and Reduced Sulfur Compounds  
Analysis in Tedlar Bag Sample by SCAQMD Method 307.91

Report Date: March 29, 2024  
Client: SCS Engineers  
Project Location: Chiquita Canyon Landfill  
Project No.: 07214017.91 Task 2  
Date Sampled: March 20, 2024  
Date Received: March 20, 2024  
Date Analyzed: March 20, 2024

### ANALYSIS DESCRIPTION

Total sulfur analysis measured by gas chromatography with sulfur chemiluminescence detector (SCD), SCAQMD 307.91.

AtmAA Lab No.: 20804-12  
Sample I.D.: FL-2009

<u>Components</u>	<i>(Concentration in ppmv)</i>
Hydrogen sulfide	59.6
Carbonyl sulfide	0.93
Methyl mercaptan	52.9
Ethyl mercaptan	1.16
Dimethyl sulfide	242
Carbon disulfide	<0.50
i-Propyl mercaptan	1.51
t-Butyl mercaptan	<0.50
n-Propyl mercaptan	4.84
s-Butyl mercaptan	4.85
i-Butyl mercaptan	<0.50
Dimethyl disulfide	9.89
Tetrahydrothiophene	3.18
Unidentified sulfurs	27.4

*(Concentration in ppmv, as H<sub>2</sub>S)*

Total Sulfur 417.6

Brian W. Fung  
Laboratory Director

QUALITY ASSURANCE SUMMARY  
(Repeat Analyses)

Project Location: Chiquita Canyon Landfill  
 Date Sampled: March 20, 2024  
 Date Received: March 20, 2024  
 Date Analyzed: March 20, 2024

Components	Sample ID	Repeat Analysis		Mean Conc.	% RPD
		Run #1	Run #2		
		<i>(Concentration in ppmv)</i>			
Hydrogen sulfide	FL-2009	58.7	60.5	59.6	3.0
Carbonyl sulfide	FL-2009	0.94	0.92	0.93	2.2
Methyl mercaptan	FL-2009	51.6	54.1	52.9	4.7
Ethyl mercaptan	FL-2009	1.24	1.08	1.16	14
Dimethyl sulfide	FL-2009	244	239	242	2.1
Carbon disulfide	FL-2009	<0.50	<0.50	---	---
i-Propyl mercaptan	FL-2009	1.55	1.46	1.51	6.0
t-Butyl mercaptan	FL-2009	<0.50	<0.50	---	---
n-Propyl mercaptan	FL-2009	4.63	5.05	4.84	8.8
s-Butyl mercaptan	FL-2009	4.89	4.81	4.85	1.7
i-Butyl mercaptan	FL-2009	<0.50	<0.50	---	---
Dimethyl disulfide	FL-2009	9.78	10.0	9.89	2.2
Tetrahydrothiophene	FL-2009	2.99	3.37	3.18	12
Unidentified sulfurs	FL-2009	27.3	27.4	27.4	0.36

*One Tedlar bag sample, laboratory number 20804-12, was analyzed for total sulfur compounds. Agreement between repeat analyses is a measure of precision and is shown above in the column "% RPD". The average % RPD for 11 repeat measurements from one Tedlar bag sample is 5.2%.*





## CHAIN OF CUSTODY RECORD

Client/Project Name <b>SCS Engineers / Chiquita Canyon</b>		Project Location <b>Castaic, CA</b>			ANALYSES REQUESTED							
Project No. <b>07214017.91 Task 2</b>		Field Logbook No.			<div style="display: flex; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg); border: 1px solid black; padding: 5px;">                     TRS (307.91)                 </div> </div>							
Sampler: (Signature) 		Chain of Custody Tape No.										
Sample No./ Identification	Type of Sample	AtmAA Lab Number	Sampling Date	Sampling Time							Special Remarks	
<b>FL-2009</b>	<b>LF<sub>G</sub></b>	<b>20604-12</b>	<b>3/20/24</b>	<b>09:32A</b>	<b>X</b>							Unfiltered Raw Gas
												H2S Draiger <b>50ppm</b>
Relinquished by: (Signature) 		Date	Time	Received by: (Signature) 		Date	Time			Date	Time	
		<b>3/20/24</b>	<b>09:50AM</b>			<b>03/20/24</b>	<b>9:54am</b>			<b>03/20/24</b>	<b>10:06</b>	
Relinquished by: (Signature) 		Date	Time	Received by: (Signature) <b>S. Ferrer</b>		Date	Time			Date	Time	
		<b>03/20/24</b>	<b>9:55am</b>			<b>3/20/24</b>	<b>10:06</b>			<b>3/20/24</b>	<b>10:54</b>	
Relinquished by: (Signature) <b>S. Ferrer</b>		Date	Time	Received for Laboratory by: (Signature) 		Date	Time			Date	Time	
		<b>3/20/24</b>	<b>10:54AM</b>			<b>3/20/24</b>	<b>10:54</b>			<b>3/20/24</b>	<b>10:54</b>	
Company Info:		Send Report to:			Analytical Laboratory							
Company: <b>SCS Engineers</b>		Company: <b>SCS Engineers</b>			Company: <b>AtmAA Inc.</b>							
Street Address: <b>3900 Kilroy Airport Way Suite 100</b>		Street Address: <b>3900 Kilroy Airport Way Suite 100</b>			23917 Craftsman Rd.							
City/State/Zip: <b>Long Beach / CA / 90806</b>		City/State/Zip: <b>Long Beach / CA / 90806</b>			Calabasas, CA 91302							
Telephone No.: <b>562-743-7895 / 562-335-0002</b>		Project Manager: <b>Cornelius Fong</b>			TEL: <b>(818) 223-3277</b>							
Fax No.:		Email Address: <b>CFong@scsengineers.com</b>			FAX: <b>(818) 223-8250</b>							



LABORATORY ANALYSIS REPORT

Hydrogen Sulfide and Reduced Sulfur Compounds  
Analysis in Tedlar Bag Sample by SCAQMD Method 307.91

Report Date: March 29, 2024  
Client: SCS Engineers  
Project Location: Chiquita Canyon Landfill  
Project No.: 07214017.91 Task 2  
Date Sampled: March 21, 2024  
Date Received: March 21, 2024  
Date Analyzed: March 21, 2024

ANALYSIS DESCRIPTION

Total sulfur analysis measured by gas chromatography with sulfur chemiluminescence detector (SCD), SCAQMD 307.91.

AtmAA Lab No.: 20814-13  
Sample I.D.: FL-2009

<u>Components</u>	<i>(Concentration in ppmv)</i>
Hydrogen sulfide	58.2
Carbonyl sulfide	0.97
Methyl mercaptan	42.0
Ethyl mercaptan	1.15
Dimethyl sulfide	197
Carbon disulfide	<0.50
i-Propyl mercaptan	1.36
t-Butyl mercaptan	<0.50
n-Propyl mercaptan	3.56
s-Butyl mercaptan	4.60
i-Butyl mercaptan	<0.50
Dimethyl disulfide	7.72
Tetrahydrothiophene	2.70
Unidentified sulfurs	16.5

*(Concentration in ppmv, as H<sub>2</sub>S)*

Total Sulfur 343.0

  
\_\_\_\_\_  
Brian W. Fung  
Laboratory Director



QUALITY ASSURANCE SUMMARY  
(Repeat Analyses)

Project Location: Chiquita Canyon Landfill  
 Date Sampled: March 21, 2024  
 Date Received: March 21, 2024  
 Date Analyzed: March 21, 2024

Components	Sample ID	Repeat Analysis		Mean Conc.	% RPD
		Run #1	Run #2		
		<i>(Concentration in ppmv)</i>			
Hydrogen sulfide	FL-2009	58.4	58.0	58.2	0.69
Carbonyl sulfide	FL-2009	0.96	0.98	0.97	2.3
Methyl mercaptan	FL-2009	42.3	41.7	42.0	1.4
Ethyl mercaptan	FL-2009	1.04	1.27	1.15	20
Dimethyl sulfide	FL-2009	195	198	197	1.5
Carbon disulfide	FL-2009	<0.50	<0.50	---	---
i-Propyl mercaptan	FL-2009	1.38	1.34	1.36	2.9
t-Butyl mercaptan	FL-2009	<0.50	<0.50	---	---
n-Propyl mercaptan	FL-2009	3.74	3.38	3.56	10
s-Butyl mercaptan	FL-2009	4.49	4.71	4.60	4.8
i-Butyl mercaptan	FL-2009	<0.50	<0.50	---	---
Dimethyl disulfide	FL-2009	7.54	7.89	7.72	4.5
Tetrahydrothiophene	FL-2009	2.76	2.64	2.70	4.4
Unidentified sulfurs	FL-2009	16.6	16.4	16.5	1.6

*One Tedlar bag sample, laboratory number 20814-13, was analyzed for total sulfur compounds. Agreement between repeat analyses is a measure of precision and is shown above in the column "% RPD". The average % RPD for 11 repeat measurements from one Tedlar bag sample is 5.0%.*



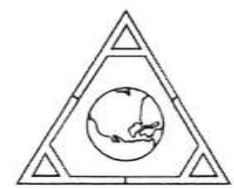
### CHAIN OF CUSTODY RECORD

<b>Client/Project Name</b> SCS Engineers / Chiquita Canyon	<b>Project Location</b> Castaic, CA	<b>ANALYSES REQUESTED</b>			
<b>Project No.</b> 07214017.91 Task 2	<b>Field Logbook No.</b>	(785 307.91)			
<b>Sampler: (Signature)</b> <i>Am</i>	<b>Chain of Custody Tape No.</b>				

Sample No./ Identification	Type of Sample	AtmAA Lab Number	Sampling Date	Sampling Time						Special Remarks
FL-2009	Landfill Gas	20814-13	3/21/29	10:05am	X					Unfiltered Raw Gas <del>5 ppm</del> H2S Draiger 51 ppm

<b>Relinquished by: (Signature)</b> <i>Am</i>	<b>Date</b> 3/21/29	<b>Time</b> 10:29am	<b>Received by: (Signature)</b> <i>Joseph</i>	<b>Date</b> 3/21/29	<b>Time</b> 12:25
<b>Relinquished by: (Signature)</b> <i>Joseph</i>	<b>Date</b> 3/21	<b>Time</b> 11:50	<b>Received by: (Signature)</b>	<b>Date</b>	<b>Time</b>
<b>Relinquished by: (Signature)</b>	<b>Date</b>	<b>Time</b>	<b>Received for Laboratory by: (Signature)</b> <i>Handwritten</i>	<b>Date</b> 3/21/29	<b>Time</b> 11:30

<b>Company Info:</b>	<b>Send Report to:</b>	<b>Analytical Laboratory</b>
<b>Company:</b> SCS Engineers	<b>Company:</b> SCS Engineers	<b>AtmAA Inc.</b>
<b>Street Address:</b> 3900 Kilroy Airport Way Suite 100	<b>Street Address:</b> 3900 Kilroy Airport Way Suite 100	<b>23917 Craftsman Rd.</b>
<b>City/State/Zip:</b> Long Beach / CA / 90806	<b>City/State/Zip:</b> Long Beach / CA / 90806	<b>Calabasas, CA 91302</b>
<b>Telephone No.:</b> 562-743-7895 / 562-335-0002	<b>Project Manager:</b> Cornelius Fong	<b>TEL: (818) 223-3277</b>
<b>Fax No.:</b>	<b>Email Address:</b> CFong@scsengineers.com	<b>FAX: (818) 223-8250</b>





LABORATORY ANALYSIS REPORT

Hydrogen Sulfide and Reduced Sulfur Compounds  
Analysis in Tedlar Bag Sample by SCAQMD Method 307.91

Report Date: March 29, 2024  
Client: SCS Engineers  
Project Location: Chiquita Canyon Landfill  
Project No.: 07214017.91 Task 2  
Date Sampled: March 22, 2024  
Date Received: March 22, 2024  
Date Analyzed: March 22, 2024

ANALYSIS DESCRIPTION

Total sulfur analysis measured by gas chromatography with sulfur chemiluminescence detector (SCD), SCAQMD 307.91.

AtmAA Lab No.: 20824-4  
Sample I.D.: FL-2009

Components	(Concentration in ppmv)
Hydrogen sulfide	67.9
Carbonyl sulfide	1.02
Methyl mercaptan	39.0
Ethyl mercaptan	1.01
Dimethyl sulfide	192
Carbon disulfide	<0.50
i-Propyl mercaptan	1.33
t-Butyl mercaptan	<0.50
n-Propyl mercaptan	3.90
s-Butyl mercaptan	3.61
i-Butyl mercaptan	<0.50
Dimethyl disulfide	5.52
Tetrahydrothiophene	2.38
Unidentified sulfurs	15.0

(Concentration in ppmv, as H<sub>2</sub>S)

Total Sulfur 338.2

  
Brian W. Fung  
Laboratory Director

QUALITY ASSURANCE SUMMARY  
(Repeat Analyses)

Project Location: Chiquita Canyon Landfill  
 Date Sampled: March 22, 2024  
 Date Received: March 22, 2024  
 Date Analyzed: March 22, 2024

Components	Sample ID	Repeat Analysis		Mean Conc.	% RPD
		Run #1	Run #2		
		(Concentration in ppmv)			
Hydrogen sulfide	FL-2009	68.1	67.6	67.9	0.74
Carbonyl sulfide	FL-2009	1.05	0.98	1.02	6.9
Methyl mercaptan	FL-2009	39.0	39.0	39.0	0.00
Ethyl mercaptan	FL-2009	0.90	1.12	1.01	22
Dimethyl sulfide	FL-2009	192	192	192	0.00
Carbon disulfide	FL-2009	<0.50	<0.50	---	---
i-Propyl mercaptan	FL-2009	1.39	1.28	1.33	8.2
t-Butyl mercaptan	FL-2009	<0.50	<0.50	---	---
n-Propyl mercaptan	FL-2009	3.72	4.08	3.90	9.2
s-Butyl mercaptan	FL-2009	3.86	3.36	3.61	14
i-Butyl mercaptan	FL-2009	<0.50	<0.50	---	---
Dimethyl disulfide	FL-2009	5.37	5.66	5.52	5.3
Tetrahydrothiophene	FL-2009	2.42	2.34	2.38	3.4
Unidentified sulfurs	FL-2009	14.5	15.6	15.0	7.1

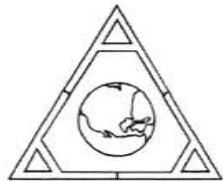
*One Tedlar bag sample, laboratory number 20824-4, was analyzed for total sulfur compounds. Agreement between repeat analyses is a measure of precision and is shown above in the column "% RPD". The average % RPD for 11 repeat measurements from one Tedlar bag sample is 6.9%.*





### CHAIN OF CUSTODY RECORD

Client/Project Name SCS Engineers / Chiquita Canyon		Project Location Castaic, CA			ANALYSES REQUESTED							
Project No. 07214017.91 Task 2		Field Logbook No.			<div style="writing-mode: vertical-rl; transform: rotate(180deg); font-size: 2em; font-weight: bold;">TR5 (307.911)</div>							
Sampler: (Signature) <i>[Signature]</i>		Chain of Custody Tape No.										
Sample No./ Identification	Type of Sample	AtmAA Lab Number	Sampling Date	Sampling Time						Special Remarks		
FL 200a	LFG	20824-4	3/22/24	0755	X							Unfiltered Raw Gas
												H2S Draiger 58ppm
Relinquished by: (Signature) <i>[Signature]</i>		Date	Time	Received by: (Signature) <i>[Signature]</i>		Date	Time			Date	Time	
Relinquished by: (Signature) <i>[Signature]</i>		3/22/24	0925	Received by: (Signature) <i>[Signature]</i>		3/22/24	9:25			3-22-24	9:51	
Relinquished by: (Signature) <i>[Signature]</i>		Date	Time	Received for Laboratory by: (Signature) <i>[Signature]</i>		Date	Time			Date	Time	
Relinquished by: (Signature) <i>[Signature]</i>		3-22-24	10:55	Received for Laboratory by: (Signature) <i>[Signature]</i>		3/22/24	10:54			3/22/24	10:54	
Company Info:		Send Report to:			Analytical Laboratory							
Company: SCS Engineers		Company: SCS Engineers			AtmAA Inc.							
Street Address: 3900 Kilroy Airport Way Suite 100		Street Address: 3900 Kilroy Airport Way Suite 100			23917 Craftsman Rd.							
City/State/Zip: Long Beach / CA / 90806		City/State/Zip: Long Beach / CA / 90806			Calabasas, CA 91302							
Telephone No.: 562-743-7895 / 562-335-0002		Project Manager: Cornelius Fong			TEL: (818) 223-3277							
Fax No.:		Email Address: CFong@scsengineers.com			FAX: (818) 223-8250							







AtmAA Inc.

23917 Craftsman Rd., Calabasas, CA 91302 • (818) 223-3277

specialized air assessment laboratory  
atmaa.com

April 10, 2024

LTR/2380/24

Cornelius L. Fong  
SCS Engineers  
3900 Kilroy Airport Way  
Suite 100  
Long Beach, CA 90806

Re: Chiquita Canyon sulfur samples

Dear Corn,

Please find enclosed the laboratory analysis reports, quality assurance summaries, and the chain of custody forms for a total of 11 Tedlar bag samples received March 23-April 1, 2024.

The Tedlar bag sample was analyzed for SCAQMD 307.91 total sulfur components as requested on the chain of custody forms.

Sincerely,

AtmAA, Inc.

Brian W. Fung  
Laboratory Director



**LABORATORY ANALYSIS REPORT**

Hydrogen Sulfide and Reduced Sulfur Compounds  
Analysis in Tedlar Bag Sample by SCAQMD Method 307.91

Report Date: April 10, 2024  
Client: SCS Engineers  
Project Location: Chiquita Canyon Landfill  
Project No.: 07214017.91 Task 2  
Date Sampled: March 23, 2024  
Date Received: March 23, 2024  
Date Analyzed: March 23, 2024

**ANALYSIS DESCRIPTION**

Total sulfur analysis measured by gas chromatography with sulfur chemiluminescence detector (SCD), SCAQMD 307.91.

AtmAA Lab No.: 20834-1  
Sample I.D.: FL-2009

<u>Components</u>	<i>(Concentration in ppmv)</i>
Hydrogen sulfide	52.9
Carbonyl sulfide	1.05
Methyl mercaptan	27.6
Ethyl mercaptan	<0.50
Dimethyl sulfide	205
Carbon disulfide	<0.50
i-Propyl mercaptan	1.50
t-Butyl mercaptan	<0.50
n-Propyl mercaptan	3.64
s-Butyl mercaptan	3.65
i-Butyl mercaptan	<0.50
Dimethyl disulfide	8.51
Tetrahydrothiophene	2.30
Unidentified sulfurs	11.2

*(Concentration in ppmv, as H<sub>2</sub>S)*

Total Sulfur 325.8

  
\_\_\_\_\_  
Brian W. Fung  
Laboratory Director

QUALITY ASSURANCE SUMMARY  
(Repeat Analyses)

Project Location: Chiquita Canyon Landfill  
 Date Sampled: March 23, 2024  
 Date Received: March 23, 2024  
 Date Analyzed: March 23, 2024

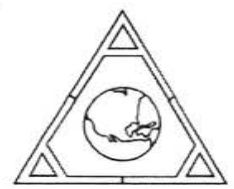
Components	Sample ID	Repeat Analysis		Mean Conc.	% RPD
		Run #1	Run #2		
<i>(Concentration in ppmv)</i>					
Hydrogen sulfide	FL-2009	53.8	52.0	52.9	3.4
Carbonyl sulfide	FL-2009	1.05	1.05	1.05	0.00
Methyl mercaptan	FL-2009	27.7	27.4	27.6	1.1
Ethyl mercaptan	FL-2009	<0.50	<0.50	---	---
Dimethyl sulfide	FL-2009	211	199	205	5.9
Carbon disulfide	FL-2009	<0.50	<0.50	---	---
i-Propyl mercaptan	FL-2009	1.39	1.62	1.50	16
t-Butyl mercaptan	FL-2009	<0.50	<0.50	---	---
n-Propyl mercaptan	FL-2009	3.68	3.61	3.64	1.8
s-Butyl mercaptan	FL-2009	4.03	3.26	3.65	21
i-Butyl mercaptan	FL-2009	<0.50	<0.50	---	---
Dimethyl disulfide	FL-2009	8.48	8.54	8.51	0.71
Tetrahydrothiophene	FL-2009	2.41	2.19	2.30	9.6
Unidentified sulfurs	FL-2009	11.4	10.9	11.2	4.9

*One Tedlar bag sample, laboratory number 20834-1, was analyzed for total sulfur compounds. Agreement between repeat analyses is a measure of precision and is shown above in the column "% RPD". The average % RPD for 10 repeat measurements from one Tedlar bag sample is 6.4%.*



## CHAIN OF CUSTODY RECORD

Client/Project Name <b>SCS Engineers / Chiquita Canyon</b>		Project Location <b>Castaic, CA</b>			ANALYSES REQUESTED							
Project No. <b>07214017.91 Task 2</b>		Field Logbook No.			<div style="display: flex; justify-content: space-between;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg); border: 1px solid black; padding: 5px;">(TRS 30791)</div> <div style="width: 80%; border: 1px solid black; height: 100%;"></div> </div>							
Sampler: (Signature) 		Chain of Custody Tape No.										
Sample No./ Identification	Type of Sample	AtmAA Lab Number	Sampling Date	Sampling Time							Special Remarks	
<b>FL-2009</b>	<b>LFG</b>	<b>20834-1</b>	<b>3/23/24</b>	<b>8:15AM</b>	<b>X</b>							Unfiltered Raw Gas
												H2S Draiger <b>48PPM</b>
Relinquished by: (Signature) 		Date <b>3/23/24</b>	Time <b>10:00AM</b>	Received by: (Signature) <b>LUIS FALFAN</b>			Date <b>3/23/24</b>	Time <b>10:00AM</b>				
Relinquished by: (Signature) <b>LUIS FALFAN</b>		Date <b>3/23/24</b>	Time <b>11:23</b>	Received by: (Signature)			Date	Time				
Relinquished by: (Signature)		Date	Time	Received for Laboratory by: (Signature) 			Date <b>3/23/24</b>	Time <b>11:23</b>				
Company Info:		Send Report to:			Analytical Laboratory							
Company: <b>SCS Engineers</b>		Company: <b>SCS Engineers</b>			Company: <b>AtmAA Inc.</b>							
Street Address: <b>3900 Kilroy Airport Way Suite 100</b>		Street Address: <b>3900 Kilroy Airport Way Suite 100</b>			Street Address: <b>23917 Craftsman Rd.</b>							
City/State/Zip: <b>Long Beach / CA / 90806</b>		City/State/Zip: <b>Long Beach / CA / 90806</b>			City/State/Zip: <b>Calabasas, CA 91302</b>							
Telephone No.: <b>562-743-7895 / 562-335-0002</b>		Project Manager: <b>Cornelius Fong</b>			TEL: <b>(818) 223-3277</b>							
Fax No.:		Email Address: <b>CFong@scsengineers.com</b>			FAX: <b>(818) 223-8250</b>							







**LABORATORY ANALYSIS REPORT**

Hydrogen Sulfide and Reduced Sulfur Compounds  
Analysis in Tedlar Bag Sample by SCAQMD Method 307.91

Report Date: April 10, 2024  
Client: SCS Engineers  
Project Location: Chiquita Canyon Landfill  
Project No.: 07214017.91 Task 2  
Date Sampled: March 24, 2024  
Date Received: March 25, 2024  
Date Analyzed: March 25, 2024

ANALYSIS DESCRIPTION

Total sulfur analysis measured by gas chromatography with sulfur chemiluminescence detector (SCD), SCAQMD 307.91.

AtmAA Lab No.: 20854-15  
Sample I.D.: FL-2009

<u>Components</u>	<i>(Concentration in ppmv)</i>
Hydrogen sulfide	49.4
Carbonyl sulfide	1.20
Methyl mercaptan	24.6
Ethyl mercaptan	<0.50
Dimethyl sulfide	198
Carbon disulfide	<0.50
i-Propyl mercaptan	1.16
t-Butyl mercaptan	<0.50
n-Propyl mercaptan	4.29
s-Butyl mercaptan	3.91
i-Butyl mercaptan	<0.50
Dimethyl disulfide	12.8
Tetrahydrothiophene	2.85
Unidentified sulfurs	15.1

*(Concentration in ppmv, as H<sub>2</sub>S)*

Total Sulfur 326.0

Brian W. Fung  
Laboratory Director



QUALITY ASSURANCE SUMMARY  
(Repeat Analyses)

Project Location: Chiquita Canyon Landfill  
 Date Sampled: March 24, 2024  
 Date Received: March 25, 2024  
 Date Analyzed: March 25, 2024

Components	Sample ID	Repeat Analysis		Mean Conc.	% RPD
		Run #1	Run #2		
		<i>(Concentration in ppmv)</i>			
Hydrogen sulfide	FL-2009	49.6	49.2	49.4	0.81
Carbonyl sulfide	FL-2009	1.11	1.28	1.20	14
Methyl mercaptan	FL-2009	24.1	25.0	24.6	3.7
Ethyl mercaptan	FL-2009	<0.50	<0.50	---	---
Dimethyl sulfide	FL-2009	196	200	198	2.0
Carbon disulfide	FL-2009	<0.50	<0.50	---	---
i-Propyl mercaptan	FL-2009	1.11	1.21	1.16	8.2
t-Butyl mercaptan	FL-2009	<0.50	<0.50	---	---
n-Propyl mercaptan	FL-2009	4.53	4.05	4.29	11
s-Butyl mercaptan	FL-2009	3.93	3.89	3.91	1.0
i-Butyl mercaptan	FL-2009	<0.50	<0.50	---	---
Dimethyl disulfide	FL-2009	12.6	13.0	12.8	3.1
Tetrahydrothiophene	FL-2009	2.84	2.86	2.85	0.70
Unidentified sulfurs	FL-2009	14.5	15.7	15.1	8.3

*One Tedlar bag sample, laboratory number 20854-15, was analyzed for total sulfur compounds. Agreement between repeat analyses is a measure of precision and is shown above in the column "% RPD". The average % RPD for 10 repeat measurements from one Tedlar bag sample is 5.3%.*



## CHAIN OF CUSTODY RECORD

Client/Project Name SCS Engineers / Chiquita Canyon		Project Location Castaic, CA			ANALYSES REQUESTED						
Project No. 07214017.91 Task 2		Field Logbook No.			<div style="writing-mode: vertical-rl; transform: rotate(180deg);">                     TRS (307.91)                 </div>						
Sampler: (Signature) 		Chain of Custody Tape No.									
Sample No./ Identification	Type of Sample	AtmAA Lab Number	Sampling Date	Sampling Time							X
2009 Inlet	LF61	20654-15	3/24/24	6:10 PM	X						Unfiltered Raw Gas
											H2S Draiger 44 ppm
Relinquished by: (Signature) 		Date	Time	Received by: (Signature) 		Date	Time				
Relinquished by: (Signature) 		3/25/24	09:19 AM	Received by: (Signature) 		03/25/24	09:19				
Relinquished by: (Signature) 		Date	Time	Received by: (Signature) 		Date	Time				
Relinquished by: (Signature) 		03/25/24	09:32	Received by: (Signature) 		3-25-24	9:32				
Relinquished by: (Signature) 		Date	Time	Received for Laboratory by: (Signature) 		Date	Time				
Relinquished by: (Signature) 		3-25-24	10:32	Received for Laboratory by: (Signature) 		3-25-24	10:32				
Company Info:		Send Report to:			Analytical Laboratory						
Company: SCS Engineers		Company: SCS Engineers			AtmAA Inc.						
Street Address: 3900 Kilroy Airport Way Suite 100		Street Address: 3900 Kilroy Airport Way Suite 100			23917 Craftsman Rd.						
City/State/Zip: Long Beach / CA / 90806		City/State/Zip: Long Beach / CA / 90806			Calabasas, CA 91302						
Telephone No.: 562-743-7895 / 562-335-0002		Project Manager: Cornelius Fong			TEL: (818) 223-3277						
Fax No.:		Email Address: CFong@scsengineers.com			FAX: (818) 223-8250						



AtmAA Inc.

23917 Craftsman Rd., Calabasas, CA 91302 • (818) 223-3277

specialized air assessment laboratory  
atmaa.com

April 10, 2024

LTR/2381/24

Cornelius L. Fong  
SCS Engineers  
3900 Kilroy Airport Way  
Suite 100  
Long Beach, CA 90806

RE: Chiquita Canyon FL-2009

Dear Corn,

Please find enclosed the laboratory analysis reports, quality assurance summary, and the chain of custody form for one Tedlar bag sample received March 25, 2024.

The Tedlar bag sample was analyzed for carbon monoxide, permanent gases, hydrogen, SCAQMD 307.91, and EPA TO-15 components as indicated on the chain of custody form.

Sincerely,

AtmAA, Inc.

Brian W. Fung  
Laboratory Director



LABORATORY ANALYSIS REPORT

Permanent Gases and Hydrogen Analysis in Tedlar Bag Samples

Report Date: April 10, 2024  
Client: SCS Engineers  
Project Name: Chiquita Canyon Landfill  
Project No.: 07214017.91 Task 2

Date Sampled: March 25, 2024  
Date Received: March 25, 2024  
Date Analyzed: March 25, 2024

ANALYSIS DESCRIPTION

Permanent gases and hydrogen were measured by thermal conductivity detection/gas chromatography (TCD/GC) ASTM D1946-90.

AtmAA Lab No.	Sample ID	Methane (%v)	Carbon Dioxide (%v)	Oxygen (%v)	Nitrogen (%v)	Hydrogen (%v)
20854-17	FL2009	29.06	39.30	5.04	23.18	1.83

The reported oxygen concentration includes any argon present in the sample. Calibration is based on a standard atmosphere containing 20.95% oxygen and 0.93% argon. The accuracy of permanent gas analysis by TCD/GC is +/- 2%. Actual analysis results are reported on a "wet" basis.

  
\_\_\_\_\_  
Brian W. Fung  
Laboratory Director



QUALITY ASSURANCE SUMMARY  
(Repeat Analyses)

Project Name: Chiquita Canyon Landfill  
 Date Sampled: March 25, 2024  
 Date Received: March 25, 2024  
 Date Analyzed: March 25, 2024

Components	Sample ID	Repeat Analysis		Mean Conc.	% RPD
		Run #1	Run #2		
<i>(Concentration in %,v)</i>					
Methane	FL2009	29.16	28.96	29.06	0.69
Carbon dioxide	FL2009	39.35	39.25	39.30	0.25
Oxygen	FL2009	5.02	5.06	5.04	0.79
Nitrogen	FL2009	23.14	23.22	23.18	0.35
Hydrogen	FL2009	1.83	1.82	1.83	0.55

*One Tedlar bag sample, laboratory number 20854-17, was analyzed for permanent gases and hydrogen. Agreement between repeat analyses is a measure of precision and is shown above in the column "% RPD". The average % RPD for 5 repeat measurements from 1 Tedlar bag sample is 0.52%.*







### LABORATORY ANALYSIS REPORT

#### Carbon Monoxide Analysis in Tedlar Bag Samples

Report Date: April 10, 2024  
Client: SCS Engineers  
Project Name: Chiquita Canyon Landfill  
Project No.: 07214017.91 Task 2

Date Sampled: March 25, 2024  
Date Received: March 25, 2024  
Date Analyzed: March 25, 2024

#### ANALYSIS DESCRIPTION

*Carbon monoxide was measured by flame ionization detection/total combustion analysis (FID/TCA), EPA Method ALT-144.*

AtmAA Lab No.	Sample ID	Carbon Monoxide (Conc. in ppmv)
20854-17	FL2009	287

  
\_\_\_\_\_  
Brian W. Fung  
Laboratory Director

QUALITY ASSURANCE SUMMARY  
(Repeat Analysis)

Project Name: Chiquita Canyon Landfill  
 Date Sampled: March 25, 2024  
 Date Received: March 25, 2024  
 Date Analyzed: March 25, 2024

Components	Sample ID	Repeat Analysis		Mean Conc.	% RPD
		Run #1	Run #2		
		(Concentration in ppmv)			
Carbon Monoxide	FL2009	282	292	287	3.5

*One Tedlar bag sample, laboratory number 20854-17, was analyzed for carbon monoxide. Agreement between repeat analyses is a measure of precision and is shown above in the column "% RPD". The % RPD for 1 repeat measurement from 1 Tedlar bag sample is 3.5%.*





TO-15 Component Analysis in Tedlar Bag Sample, by GC/MS Method EPA TO-15

Report Date: April 10, 2024  
Client: SCS Engineers  
Project Name: Chiquita Canyon  
Project No.: 07214017.91 Task 2  
Date Received: March 25, 2024  
Date Analyzed: March 25, 2024

AtmAA Lab No.: 20854-17  
Sample ID: FL2009  
(Concentrations in ppmv)

Components	(Concentrations in ppmv)
Freon 12	<4.0
Chloromethane	<5.0
Freon 114	<3.0
Vinyl Chloride	<4.0
1,3-Butadiene	<5.0
Bromomethane	<5.5
Chloroethane	<4.0
Acetone	4415
Freon 11	<4.0
Isopropyl Alcohol	197
1,1-Dichloroethene	<5.0
Methylene Chloride	<6.0
Carbon Disulfide	<3.5
Freon 113	<3.0
trans-1,2-Dichloroethene	<5.0
1,1-Dichloroethane	<5.0
MTBE	<6.0
Vinyl Acetate	<6.0
2-Butanone	487
cis-1,2-Dichloroethene	<5.0
n-Hexane	<6.0
Chloroform	<4.0
Ethyl Acetate	43.8
Tetrahydrofuran	338
1,2-Dichloroethane	<5.0
1,1,1-Trichloroethane	<4.0
Benzene	73.5
Carbon Tetrachloride	<4.0
Cyclohexane	<6.0
1,2-Dichloropropane	<5.0
Bromodichloromethane	<5.0
Trichloroethene	<4.0
1,4-Dioxane	<6.0
n-Heptane	<6.0
cis-1,3-Dichloropropene	<5.0
4-Methyl-2-pentanone	15.9
trans-1,3-Dichloropropene	<5.0
1,1,2-Trichloroethane	<4.0
Toluene	12.9
2-Hexanone	4.16
Dibromochloromethane	<4.0
1,2-Dibromoethane	<4.0
Tetrachloroethene	<4.0
Chlorobenzene	<5.0
Ethylbenzene	4.82
m,p-Xylene	5.64
Bromoform	<3.0
Styrene	<5.0
1,1,2,2-Tetrachloroethane	<5.0
o-Xylene	<4.5
Benzyl Chloride	<5.0
4-Ethyl Toluene	<5.0
1,3,5-Trimethyl Benzene	<5.0
1,2,4-Trimethyl Benzene	<5.0
1,3-Dichlorobenzene	<4.0
1,4-Dichlorobenzene	<4.0
1,2-Dichlorobenzene	<4.0
1,2,4-Trichlorobenzene	<12
Hexachlorobutadiene	<8.0

Brian W. Fung  
Laboratory Director

QUALITY ASSURANCE SUMMARY  
(Repeat Analyses)

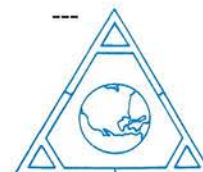
Project Name: Chiquita Canyon  
Date Received: March 25, 2024  
Date Analyzed: March 25, 2024

Components	Sample ID	Repeat Analysis		Mean Conc.	% RPD	
		Run #1	Run #2			
		<i>(Concentration in ppmv)</i>				
Freon-12	FL2009	<4.0	<4.0	---	---	
Chloromethane	FL2009	<5.0	<5.0	---	---	
Freon 114	FL2009	<3.0	<3.0	---	---	
Vinyl Chloride	FL2009	<4.0	<4.0	---	---	
1,3-Butadiene	FL2009	<5.0	<5.0	---	---	
Bromomethane	FL2009	<5.5	<5.5	---	---	
Chloroethane	FL2009	<4.0	<4.0	---	---	
Acetone	FL2009	4410	4420	4415	0.23	
Freon 11	FL2009	<4.0	<4.0	---	---	
Isopropyl Alcohol	FL2009	199	195	197	2.0	
1,1-Dichloroethene	FL2009	<5.0	<5.0	---	---	
Methylene Chloride	FL2009	<6.0	<6.0	---	---	
Carbon Disulfide	FL2009	<3.5	<3.5	---	---	
Freon 113	FL2009	<3.0	<3.0	---	---	
trans-1,2-Dichloroethene	FL2009	<5.0	<5.0	---	---	
1,1-Dichloroethane	FL2009	<5.0	<5.0	---	---	
MTBE	FL2009	<6.0	<6.0	---	---	
Vinyl Acetate	FL2009	<6.0	<6.0	---	---	
2-Butanone	FL2009	496	478	487	3.7	
cis-1,2-Dichloroethene	FL2009	<5.0	<5.0	---	---	
n-Hexane	FL2009	<6.0	<6.0	---	---	
Chloroform	FL2009	<4.0	<4.0	---	---	
Ethyl Acetate	FL2009	45.5	42.0	43.8	8.0	
Tetrahydrofuran	FL2009	342	333	338	2.7	
1,2-Dichloroethane	FL2009	<5.0	<5.0	---	---	



QUALITY ASSURANCE SUMMARY  
*(Repeat Analyses)*  
*(continued)*

Components	Sample ID	Repeat Analysis		Mean Conc.	% RPD
		Run #1	Run #2		
<i>(Concentration in ppmv)</i>					
1,1,1-Trichloroethane	FL2009	<4.0	<4.0	---	---
Benzene	FL2009	72.4	74.6	73.5	3.0
Carbon Tetrachloride	FL2009	<4.0	<4.0	---	---
Cyclohexane	FL2009	<6.0	<6.0	---	---
1,2-Dichloropropane	FL2009	<5.0	<5.0	---	---
Bromodichloromethane	FL2009	<5.0	<5.0	---	---
Trichloroethene	FL2009	<4.0	<4.0	---	---
1,4-Dioxane	FL2009	<6.0	<6.0	---	---
n-Heptane	FL2009	<6.0	<6.0	---	---
cis-1,3-Dichloropropene	FL2009	<5.0	<5.0	---	---
4-Methyl-2-pentanone	FL2009	17.7	14.1	15.9	23
trans-1,3-Dichloropropene	FL2009	<5.0	<5.0	---	---
1,1-2-Trichloroethane	FL2009	<4.0	<4.0	---	---
Toluene	FL2009	13.5	12.3	12.9	9.3
2-Hexanone	FL2009	4.16	<4.0	---	---
Dibromochloromethane	FL2009	<4.0	<4.0	---	---
1,2-Dibromoethane	FL2009	<4.0	<4.0	---	---
Tetrachloroethene	FL2009	<4.0	<4.0	---	---
Chlorobenzene	FL2009	<5.0	<5.0	---	---
Ethylbenzene	FL2009	5.03	4.60	4.82	8.9
m,p-Xylene	FL2009	5.98	5.29	5.64	12
Bromoform	FL2009	<3.0	<3.0	---	---
Styrene	FL2009	<5.0	<5.0	---	---
1,1,1,2-Tetrachloroethane	FL2009	<5.0	<5.0	---	---
o-Xylene	FL2009	<4.5	<4.5	---	---





QUALITY ASSURANCE SUMMARY  
 (Repeat Analyses)  
 (continued)

Components	Sample ID	Repeat Analysis		Mean Conc.	% RPD
		Run #1	Run #2		
		<i>(Concentration in ppmv)</i>			
Benzyl Chloride	FL2009	<5.0	<5.0	---	---
4-Ethyl Toluene	FL2009	<5.0	<5.0	---	---
1,3,5-Trimethyl Benzene	FL2009	<5.0	<5.0	---	---
1,2,4-Trimethyl Benzene	FL2009	<5.0	<5.0	---	---
1,3-Dichlorobenzene	FL2009	<4.0	<4.0	---	---
1,4-Dichlorobenzene	FL2009	<4.0	<4.0	---	---
1,2-Dichlorobenzene	FL2009	<4.0	<4.0	---	---
1,2,4-Trichlorobenzene	FL2009	<12	<12	---	---
Hexachlorobutadiene	FL2009	<8.0	<8.0	---	---

*One Tedlar bag sample, laboratory number 20854-17, was analyzed for TO-15 components, by GC/MS. Agreement between repeat analyses is a measure of precision and is shown above in the column "% RPD". The average % RPD for 10 repeat measurements from one Tedlar bag sample is 7.3%.*





**LABORATORY ANALYSIS REPORT**

Hydrogen Sulfide and Reduced Sulfur Compounds  
Analysis in Tedlar Bag Sample by SCAQMD Method 307.91

Report Date: April 10, 2024  
Client: SCS Engineers  
Project Location: Chiquita Canyon  
Project No.: 07214017.91 Task 2  
Date Sampled: March 25, 2024  
Date Received: March 25, 2024  
Date Analyzed: March 25, 2024

ANALYSIS DESCRIPTION

Total sulfur analysis measured by gas chromatography with sulfur chemiluminescence detector (SCD), SCAQMD 307.91.

AtmAA Lab No.: 20854-17  
Sample I.D.: FL2009

<u>Components</u>	<i>(Concentration in ppmv)</i>
Hydrogen sulfide	58.2
Carbonyl sulfide	0.93
Methyl mercaptan	27.6
Ethyl mercaptan	<0.50
Dimethyl sulfide	200
Carbon disulfide	<0.50
i-Propyl mercaptan	1.47
t-Butyl mercaptan	<0.50
n-Propyl mercaptan	4.46
s-Butyl mercaptan	4.34
i-Butyl mercaptan	<0.50
Dimethyl disulfide	12.4
Tetrahydrothiophene	2.40
Unidentified sulfurs	15.6

*(Concentration in ppmv, as H<sub>2</sub>S)*

Total Sulfur 339.7

Brian W. Fung  
Laboratory Director

QUALITY ASSURANCE SUMMARY  
(Repeat Analyses)

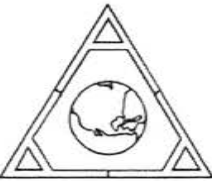
Project Location: Chiquita Canyon  
 Date Sampled: March 25, 2024  
 Date Received: March 25, 2024  
 Date Analyzed: March 25, 2024

Components	Sample ID	Repeat Analysis		Mean Conc.	% RPD
		Run #1	Run #2		
		(Concentration in ppmv)			
Hydrogen sulfide	FL2009	55.7	60.7	58.2	8.6
Carbonyl sulfide	FL2009	0.85	1.00	0.93	16
Methyl mercaptan	FL2009	26.8	28.4	27.6	5.8
Ethyl mercaptan	FL2009	<0.50	<0.50	---	---
Dimethyl sulfide	FL2009	195	205	200	5.0
Carbon disulfide	FL2009	<0.50	<0.50	---	---
i-Propyl mercaptan	FL2009	1.57	1.37	1.47	14
t-Butyl mercaptan	FL2009	<0.50	<0.50	---	---
n-Propyl mercaptan	FL2009	4.34	4.58	4.46	5.4
s-Butyl mercaptan	FL2009	4.15	4.52	4.34	8.5
i-Butyl mercaptan	FL2009	<0.50	<0.50	---	---
Dimethyl disulfide	FL2009	12.2	12.5	12.4	2.4
Tetrahydrothiophene	FL2009	2.24	2.57	2.40	14
Unidentified sulfurs	FL2009	15.3	16.0	15.6	4.6

*One Tedlar bag sample, laboratory number 20854-17, was analyzed for total sulfur compounds. Agreement between repeat analyses is a measure of precision and is shown above in the column "% RPD". The average % RPD for 10 repeat measurements from one Tedlar bag sample is 8.4%.*



### CHAIN OF CUSTODY RECORD

Client/Project Name SCS Engineers / Chiquita Canyon		Project Location Castaic, CA			ANALYSES REQUESTED						
Project No. 07214017.91 Task 2		Field Logbook No.			<div style="display: flex; justify-content: space-around;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TR5 (307.91)</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">CO</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Fixed Gas</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TO.15</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">H2</div> </div>						
Sampler: (Signature) <i>[Signature]</i>		Chain of Custody Tape No.									
Sample No./ Identification	Type of Sample	AtmAA Lab Number	Sampling Date	Sampling Time							Special Remarks
FL2009	LFG	20854-17	03/25/24	7:45am	X	+	X	+	+		Unfiltered Raw Gas
											H2S Draiger 59ppm
Relinquished by: (Signature) <i>[Signature]</i>		Date	Time	Received by: (Signature) <i>[Signature]</i>		Date	Time				
		03/25/24	09:32			3/25/24	9:32				
Relinquished by: (Signature) <i>[Signature]</i>		Date	Time	Received by: (Signature) <i>[Signature]</i>		Date	Time				
		3-25-24	10:32								
Relinquished by: (Signature)		Date	Time	Received for Laboratory by: (Signature) <i>[Signature]</i>		Date	Time				
						3-25-24	10:32				
Company Info:		Send Report to:			Analytical Laboratory						
Company: SCS Engineers		Company: SCS Engineers			AtmAA Inc.						
Street Address: 3900 Kilroy Airport Way Suite 100		Street Address: 3900 Kilroy Airport Way Suite 100			23917 Craftsman Rd.						
City/State/Zip: Long Beach / CA / 90806		City/State/Zip: Long Beach / CA / 90806			Calabasas, CA 91302						
Telephone No.: 562-743-7895 / 562-335-0002		Project Manager: Cornelius Fong			TEL: (818) 223-3277						
Fax No.:		Email Address: CFong@scsengineers.com			FAX: (818) 223-8250						





**LABORATORY ANALYSIS REPORT**

Hydrogen Sulfide and Reduced Sulfur Compounds  
Analysis in Tedlar Bag Sample by SCAQMD Method 307.91

Report Date: April 10, 2024  
Client: SCS Engineers  
Project Location: Chiquita Canyon Landfill  
Project No.: 07214017.91 Task 2  
Date Sampled: March 26, 2024  
Date Received: March 27, 2024  
Date Analyzed: March 27, 2024

**ANALYSIS DESCRIPTION**

Total sulfur analysis measured by gas chromatography with sulfur chemiluminescence detector (SCD), SCAQMD 307.91.

AtmAA Lab No.: 20874-6  
Sample I.D.: FL-2009 Inlet

<u>Components</u>	<i>(Concentration in ppmv)</i>
Hydrogen sulfide	46.4
Carbonyl sulfide	1.20
Methyl mercaptan	28.7
Ethyl mercaptan	<0.50
Dimethyl sulfide	215
Carbon disulfide	<0.50
i-Propyl mercaptan	1.28
t-Butyl mercaptan	<0.50
n-Propyl mercaptan	3.67
s-Butyl mercaptan	4.05
i-Butyl mercaptan	<0.50
Dimethyl disulfide	14.0
Tetrahydrothiophene	2.75
Unidentified sulfurs	26.3

*(Concentration in ppmv, as H<sub>2</sub>S)*

Total Sulfur 356.7

Brian W. Fung  
Laboratory Director



QUALITY ASSURANCE SUMMARY  
(Repeat Analyses)

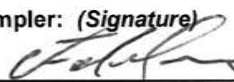
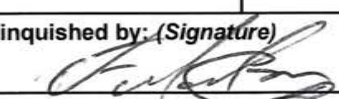
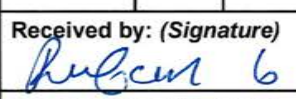
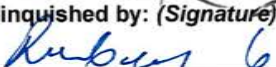
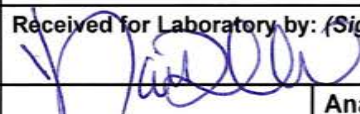
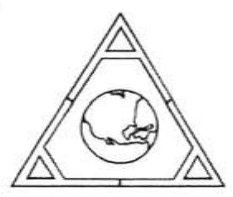
Project Location: Chiquita Canyon Landfill  
 Date Sampled: March 26, 2024  
 Date Received: March 27, 2024  
 Date Analyzed: March 27, 2024

Components	Sample ID	Repeat Analysis		Mean Conc.	% RPD
		Run #1	Run #2		
		<i>(Concentration in ppmv)</i>			
Hydrogen sulfide	FL-2009 Inlet	47.4	45.3	46.4	4.5
Carbonyl sulfide	FL-2009 Inlet	1.25	1.15	1.20	8.6
Methyl mercaptan	FL-2009 Inlet	28.8	28.6	28.7	0.70
Ethyl mercaptan	FL-2009 Inlet	<0.50	<0.50	---	---
Dimethyl sulfide	FL-2009 Inlet	215	214	215	0.47
Carbon disulfide	FL-2009 Inlet	<0.50	<0.50	---	---
i-Propyl mercaptan	FL-2009 Inlet	1.24	1.32	1.28	6.3
t-Butyl mercaptan	FL-2009 Inlet	<0.50	<0.50	---	---
n-Propyl mercaptan	FL-2009 Inlet	3.70	3.64	3.67	1.6
s-Butyl mercaptan	FL-2009 Inlet	4.11	3.98	4.05	3.2
i-Butyl mercaptan	FL-2009 Inlet	<0.50	<0.50	---	---
Dimethyl disulfide	FL-2009 Inlet	14.0	14.0	14.0	0.00
Tetrahydrothiophene	FL-2009 Inlet	2.90	2.59	2.75	11
Unidentified sulfurs	FL-2009 Inlet	25.9	26.6	26.3	2.9

*One Tedlar bag sample, laboratory number 20874-6, was analyzed for total sulfur compounds. Agreement between repeat analyses is a measure of precision and is shown above in the column "% RPD". The average % RPD for 10 repeat measurements from one Tedlar bag sample is 4.0%.*



### CHAIN OF CUSTODY RECORD

Client/Project Name SCS Engineers / Chiquita Canyon		Project Location Castaic, CA			ANALYSES REQUESTED							
Project No. 07214017.91 Task 2		Field Logbook No.			<div style="font-size: 2em; transform: rotate(-45deg); display: inline-block;">TPS (302.91)</div>							
Sampler: (Signature) 		Chain of Custody Tape No.										
Sample No./ Identification	Type of Sample	AtmAA Lab Number	Sampling Date	Sampling Time							Special Remarks	
FL-2009 Inlet	LFG	20874-6	3-26-24	3:00pm	X							Unfiltered Raw Gas H2S Draiger 36 ppm
Relinquished by: (Signature) 			Date	Time	Received by: (Signature) 			Date	Time			
			3-27-24	10:24am				3-27-24	10:28			
Relinquished by: (Signature) 			Date	Time	Received by: (Signature)			Date	Time			
			3-27-24	11:23								
Relinquished by: (Signature)			Date	Time	Received for Laboratory by: (Signature) 			Date	Time			
								3-27-24	11:23			
Company Info:			Send Report to:			Analytical Laboratory						
Company: SCS Engineers			Company: SCS Engineers			AtmAA Inc.						
Street Address: 3900 Kilroy Airport Way Suite 100			Street Address: 3900 Kilroy Airport Way Suite 100			23917 Craftsman Rd.						
City/State/Zip: Long Beach / CA / 90806			City/State/Zip: Long Beach / CA / 90806			Calabasas, CA 91302						
Telephone No.: 562-743-7895 / 562-335-0002			Project Manager: Cornelius Fong			TEL: (818) 223-3277						
Fax No.:			Email Address: CFong@scsengineers.com			FAX: (818) 223-8250						



**LABORATORY ANALYSIS REPORT**

Hydrogen Sulfide and Reduced Sulfur Compounds  
Analysis in Tedlar Bag Sample by SCAQMD Method 307.91

Report Date: April 10, 2024  
Client: SCS Engineers  
Project Location: Chiquita Canyon Landfill  
Project No.: 07214017.91 Task 2  
Date Sampled: March 27, 2024  
Date Received: March 27, 2024  
Date Analyzed: March 27, 2024

**ANALYSIS DESCRIPTION**

Total sulfur analysis measured by gas chromatography with sulfur chemiluminescence detector (SCD), SCAQMD 307.91.

AtmAA Lab No.: 20874-7  
Sample I.D.: FL-2009 Inlet

<u>Components</u>	<i>(Concentration in ppmv)</i>
Hydrogen sulfide	45.2
Carbonyl sulfide	1.05
Methyl mercaptan	28.9
Ethyl mercaptan	0.93
Dimethyl sulfide	201
Carbon disulfide	<0.50
i-Propyl mercaptan	1.36
t-Butyl mercaptan	<0.50
n-Propyl mercaptan	3.51
s-Butyl mercaptan	3.96
i-Butyl mercaptan	<0.50
Dimethyl disulfide	13.2
Tetrahydrothiophene	2.57
Unidentified sulfurs	22.8

*(Concentration in ppmv, as H<sub>2</sub>S)*

Total Sulfur 337.6

  
\_\_\_\_\_  
Brian W. Fung  
Laboratory Director

QUALITY ASSURANCE SUMMARY  
(Repeat Analyses)

Project Location: Chiquita Canyon Landfill  
 Date Sampled: March 27, 2024  
 Date Received: March 27, 2024  
 Date Analyzed: March 27, 2024

Components	Sample ID	Repeat Analysis		Mean Conc.	% RPD
		Run #1	Run #2		
		(Concentration in ppmv)			
Hydrogen sulfide	FL-2009 Inlet	43.7	46.7	45.2	6.6
Carbonyl sulfide	FL-2009 Inlet	1.13	0.97	1.05	16
Methyl mercaptan	FL-2009 Inlet	28.0	29.8	28.9	6.2
Ethyl mercaptan	FL-2009 Inlet	0.91	0.95	0.93	4.3
Dimethyl sulfide	FL-2009 Inlet	197	205	201	4.0
Carbon disulfide	FL-2009 Inlet	<0.50	<0.50	---	---
i-Propyl mercaptan	FL-2009 Inlet	1.41	1.31	1.36	7.4
t-Butyl mercaptan	FL-2009 Inlet	<0.50	<0.50	---	---
n-Propyl mercaptan	FL-2009 Inlet	3.58	3.43	3.51	4.3
s-Butyl mercaptan	FL-2009 Inlet	4.29	3.62	3.96	17
i-Butyl mercaptan	FL-2009 Inlet	<0.50	<0.50	---	---
Dimethyl disulfide	FL-2009 Inlet	12.8	13.5	13.2	5.3
Tetrahydrothiophene	FL-2009 Inlet	2.59	2.55	2.57	1.6
Unidentified sulfurs	FL-2009 Inlet	22.4	23.2	22.8	3.5

*One Tedlar bag sample, laboratory number 20874-7, was analyzed for total sulfur compounds. Agreement between repeat analyses is a measure of precision and is shown above in the column "% RPD". The average % RPD for 11 repeat measurements from one Tedlar bag sample is 6.9%.*





## CHAIN OF CUSTODY RECORD

Client/Project Name SCS Engineers / Chiquita Canyon		Project Location Castaic, CA			ANALYSES REQUESTED							
Project No. 07214017.91 Task 2		Field Logbook No.			<div style="writing-mode: vertical-rl; transform: rotate(180deg); font-size: 2em; font-weight: bold;">TR5 (307.91)</div>							
Sampler: (Signature) 		Chain of Custody Tape No.										
Sample No./ Identification	Type of Sample	AtmAA Lab Number	Sampling Date	Sampling Time						Special Remarks		
FL-2009 inlet	LFG	20874-7	3-27-24	9:25am	X							Unfiltered Raw Gas
												-12S Draiger 32 PPM
Relinquished by: (Signature) 		Date	Time	Received by: (Signature) 		Date	Time			Date	Time	
Relinquished by: (Signature) 		3-27-24	10:24am	Ruben 6		3-26-24	10:28					
Relinquished by: (Signature) 		Date	Time	Received by: (Signature)		Date	Time					
Relinquished by: (Signature) 		3-27-24	11:23									
Relinquished by: (Signature)		Date	Time	Received for Laboratory by: (Signature)		Date	Time			Date	Time	
Relinquished by: (Signature) 						3/27/24	11:23					
Company Info:		Send Report to:			Analytical Laboratory							
Company: SCS Engineers		Company: SCS Engineers			AtmAA Inc.							
Street Address: 3900 Kilroy Airport Way Suite 100		Street Address: 3900 Kilroy Airport Way Suite 100			23917 Craftsman Rd.							
City/State/Zip: Long Beach / CA / 90806		City/State/Zip: Long Beach / CA / 90806			Calabasas, CA 91302							
Telephone No.: 562-743-7895 / 562-335-0002		Project Manager: Cornelius Fong			TEL: (818) 223-3277							
Fax No.:		Email Address: CFong@scsengineers.com			FAX: (818) 223-8250							





LABORATORY ANALYSIS REPORT

Hydrogen Sulfide and Reduced Sulfur Compounds  
Analysis in Tedlar Bag Sample by SCAQMD Method 307.91

Report Date: April 10, 2024  
Client: SCS Engineers  
Project Location: Chiquita Canyon Landfill  
Project No.: 07214017.91 Task 2  
Date Sampled: March 28, 2024  
Date Received: March 28, 2024  
Date Analyzed: March 28, 2024

ANALYSIS DESCRIPTION

Total sulfur analysis measured by gas chromatography with sulfur chemiluminescence detector (SCD), SCAQMD 307.91.

AtmAA Lab No.: 20884-5  
Sample I.D.: FL-2009 Inlet

<u>Components</u>	<i>(Concentration in ppmv)</i>
Hydrogen sulfide	64.2
Carbonyl sulfide	1.03
Methyl mercaptan	34.8
Ethyl mercaptan	1.05
Dimethyl sulfide	200
Carbon disulfide	0.61
i-Propyl mercaptan	1.58
t-Butyl mercaptan	<0.50
n-Propyl mercaptan	3.77
s-Butyl mercaptan	4.42
i-Butyl mercaptan	<0.50
Dimethyl disulfide	8.82
Tetrahydrothiophene	2.49
Unidentified sulfurs	18.5

*(Concentration in ppmv, as H<sub>2</sub>S)*

Total Sulfur 350.1

Brian W. Fung  
Laboratory Director

QUALITY ASSURANCE SUMMARY  
(Repeat Analyses)

Project Location: Chiquita Canyon Landfill  
 Date Sampled: March 28, 2024  
 Date Received: March 28, 2024  
 Date Analyzed: March 28, 2024

Components	Sample ID	Repeat Analysis		Mean Conc.	% RPD
		Run #1	Run #2		
<i>(Concentration in ppmv)</i>					
Hydrogen sulfide	FL-2009 Inlet	64.4	63.9	64.2	0.78
Carbonyl sulfide	FL-2009 Inlet	1.07	1.00	1.03	6.6
Methyl mercaptan	FL-2009 Inlet	35.1	34.4	34.8	2.0
Ethyl mercaptan	FL-2009 Inlet	0.99	1.10	1.05	11
Dimethyl sulfide	FL-2009 Inlet	204	195	200	4.5
Carbon disulfide	FL-2009 Inlet	0.65	0.56	0.61	15
i-Propyl mercaptan	FL-2009 Inlet	1.55	1.61	1.58	3.8
t-Butyl mercaptan	FL-2009 Inlet	<0.50	<0.50	---	---
n-Propyl mercaptan	FL-2009 Inlet	3.66	3.87	3.77	5.6
s-Butyl mercaptan	FL-2009 Inlet	4.19	4.65	4.42	10
i-Butyl mercaptan	FL-2009 Inlet	<0.50	<0.50	---	---
Dimethyl disulfide	FL-2009 Inlet	8.95	8.69	8.82	2.9
Tetrahydrothiophene	FL-2009 Inlet	2.28	2.69	2.49	16
Unidentified sulfurs	FL-2009 Inlet	19.2	17.8	18.5	7.6

*One Tedlar bag sample, laboratory number 20884-5, was analyzed for total sulfur compounds. Agreement between repeat analyses is a measure of precision and is shown above in the column "% RPD". The average % RPD for 12 repeat measurements from one Tedlar bag sample is 7.2%.*





**LABORATORY ANALYSIS REPORT**

Hydrogen Sulfide and Reduced Sulfur Compounds  
Analysis in Tedlar Bag Sample by SCAQMD Method 307.91

Report Date: April 10, 2024  
Client: SCS Engineers  
Project Location: Chiquita Canyon Landfill  
Project No.: 07214017.91 Task 2  
Date Sampled: March 28, 2024  
Date Received: March 28, 2024  
Date Analyzed: March 28, 2024

**ANALYSIS DESCRIPTION**

Total sulfur analysis measured by gas chromatography with sulfur chemiluminescence detector (SCD), SCAQMD 307.91.

AtmAA Lab No.: 20884-6  
Sample I.D.: FL-2023 Inlet

<u>Components</u>	<i>(Concentration in ppmv)</i>
Hydrogen sulfide	67.5
Carbonyl sulfide	1.07
Methyl mercaptan	38.6
Ethyl mercaptan	0.96
Dimethyl sulfide	221
Carbon disulfide	<0.50
i-Propyl mercaptan	1.74
t-Butyl mercaptan	<0.50
n-Propyl mercaptan	3.60
s-Butyl mercaptan	4.47
i-Butyl mercaptan	<0.50
Dimethyl disulfide	10.0
Tetrahydrothiophene	2.79
Unidentified sulfurs	22.9

*(Concentration in ppmv, as H<sub>2</sub>S)*

Total Sulfur 384.7

Brian W. Fung  
Laboratory Director

QUALITY ASSURANCE SUMMARY  
(Repeat Analyses)

Project Location: Chiquita Canyon Landfill  
 Date Sampled: March 28, 2024  
 Date Received: March 28, 2024  
 Date Analyzed: March 28, 2024

Components	Sample ID	Repeat Analysis		Mean Conc.	% RPD
		Run #1	Run #2		
<i>(Concentration in ppmv)</i>					
Hydrogen sulfide	FL-2023 Inlet	67.6	67.3	67.5	0.44
Carbonyl sulfide	FL-2023 Inlet	1.16	0.98	1.07	17
Methyl mercaptan	FL-2023 Inlet	39.1	38.1	38.6	2.6
Ethyl mercaptan	FL-2023 Inlet	0.92	0.99	0.96	7.3
Dimethyl sulfide	FL-2023 Inlet	226	216	221	4.5
Carbon disulfide	FL-2023 Inlet	<0.50	<0.50	---	---
i-Propyl mercaptan	FL-2023 Inlet	1.90	1.58	1.74	18
t-Butyl mercaptan	FL-2023 Inlet	<0.50	<0.50	---	---
n-Propyl mercaptan	FL-2023 Inlet	3.40	3.80	3.60	11
s-Butyl mercaptan	FL-2023 Inlet	4.36	4.58	4.47	4.9
i-Butyl mercaptan	FL-2023 Inlet	<0.50	<0.50	---	---
Dimethyl disulfide	FL-2023 Inlet	10.1	9.95	10.0	1.5
Tetrahydrothiophene	FL-2023 Inlet	2.83	2.75	2.79	3.0
Unidentified sulfurs	FL-2023 Inlet	23.4	22.4	22.9	4.4

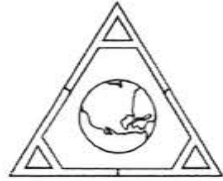
*One Tedlar bag sample, laboratory number 20884-6, was analyzed for total sulfur compounds. Agreement between repeat analyses is a measure of precision and is shown above in the column "% RPD". The average % RPD for 11 repeat measurements from one Tedlar bag sample is 6.8%.*





## CHAIN OF CUSTODY RECORD

Client/Project Name SCS Engineers / Chiquita Canyon		Project Location Castaic, CA			ANALYSES REQUESTED						
Project No. 07214017.91 Task 2		Field Logbook No.			<div style="writing-mode: vertical-rl; transform: rotate(180deg); font-size: 2em; font-weight: bold;">TR5 (307.91)</div>						
Sampler: (Signature) <i>[Signature]</i>		Chain of Custody Tape No.									
Sample No./ Identification	Type of Sample	AtmAA Lab Number	Sampling Date	Sampling Time							Special Remarks
Flare 2009 Inlet	LFG.	20984-5	03/25/24	7:34 AM	X						Unfiltered Raw Gas
Flare 2023 Inlet	LFG.	-6	3/28/24	7:41 AM	X						H2S Draiger  2009 40 ppm 2073 60 ppm
Relinquished by: (Signature) <i>[Signature]</i>		Date	Time	Received by: (Signature) <i>[Signature]</i>			Date	Time			
Relinquished by: (Signature) <i>[Signature]</i>		03/23/24	10:27 AM	Received by: (Signature) <i>[Signature]</i>			3/28	10:27			
Relinquished by: (Signature) <i>[Signature]</i>		Date	Time	Received for Laboratory by: (Signature) <i>[Signature]</i>			Date	Time			
Relinquished by: (Signature) <i>[Signature]</i>		3/28/24	11:07 AM	Received for Laboratory by: (Signature) <i>[Signature]</i>			3/29/24	11:24			
Company Info:		Send Report to:			Analytical Laboratory						
Company: SCS Engineers		Company: SCS Engineers			AtmAA Inc.						
Street Address: 3900 Kilroy Airport Way Suite 100		Street Address: 3900 Kilroy Airport Way Suite 100			23917 Craftsman Rd.						
City/State/Zip: Long Beach / CA / 90806		City/State/Zip: Long Beach / CA / 90806			Calabasas, CA 91302						
Telephone No.: 562-743-7895 / 562-335-0002		Project Manager: Cornelius Fong			TEL: (818) 223-3277						
Fax No.:		Email Address: CFong@scsengineers.com			FAX: (818) 223-8250						







**LABORATORY ANALYSIS REPORT**

Hydrogen Sulfide and Reduced Sulfur Compounds  
Analysis in Tedlar Bag Sample by SCAQMD Method 307.91

Report Date: April 10, 2024  
Client: SCS Engineers  
Project Location: Chiquita Canyon Landfill  
Project No.: 07214017.91 Task 2  
Date Sampled: March 29, 2024  
Date Received: March 29, 2024  
Date Analyzed: March 29, 2024

**ANALYSIS DESCRIPTION**

Total sulfur analysis measured by gas chromatography with sulfur chemiluminescence detector (SCD), SCAQMD 307.91.

AtmAA Lab No.: 20894-4  
Sample I.D.: FL-2009 Inlet

Components	(Concentration in ppmv)
Hydrogen sulfide	69.4
Carbonyl sulfide	1.00
Methyl mercaptan	38.8
Ethyl mercaptan	1.05
Dimethyl sulfide	195
Carbon disulfide	<0.50
i-Propyl mercaptan	1.52
t-Butyl mercaptan	<0.50
n-Propyl mercaptan	3.53
s-Butyl mercaptan	3.65
i-Butyl mercaptan	<0.50
Dimethyl disulfide	8.76
Tetrahydrothiophene	2.11
Unidentified sulfurs	16.3

(Concentration in ppmv, as H<sub>2</sub>S)

Total Sulfur 349.8

Brian W. Fung  
Laboratory Director

QUALITY ASSURANCE SUMMARY  
(Repeat Analyses)

Project Location: Chiquita Canyon Landfill  
 Date Sampled: March 29, 2024  
 Date Received: March 29, 2024  
 Date Analyzed: March 29, 2024

Components	Sample ID	Repeat Analysis		Mean Conc.	% RPD
		Run #1	Run #2		
		(Concentration in ppmv)			
Hydrogen sulfide	FL-2009 Inlet	68.4	70.3	69.4	2.7
Carbonyl sulfide	FL-2009 Inlet	0.93	1.07	1.00	14
Methyl mercaptan	FL-2009 Inlet	39.0	38.6	38.8	1.0
Ethyl mercaptan	FL-2009 Inlet	1.12	0.98	1.05	13
Dimethyl sulfide	FL-2009 Inlet	196	194	195	1.0
Carbon disulfide	FL-2009 Inlet	<0.50	<0.50	---	---
i-Propyl mercaptan	FL-2009 Inlet	1.65	1.39	1.52	17
t-Butyl mercaptan	FL-2009 Inlet	<0.50	<0.50	---	---
n-Propyl mercaptan	FL-2009 Inlet	3.47	3.58	3.53	3.1
s-Butyl mercaptan	FL-2009 Inlet	3.60	3.70	3.65	2.7
i-Butyl mercaptan	FL-2009 Inlet	<0.50	<0.50	---	---
Dimethyl disulfide	FL-2009 Inlet	8.93	8.58	8.76	4.0
Tetrahydrothiophene	FL-2009 Inlet	2.20	2.01	2.11	9.0
Unidentified sulfurs	FL-2009 Inlet	16.2	16.4	16.3	1.2

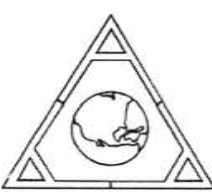
*One Tedlar bag sample, laboratory number 20894-4, was analyzed for total sulfur compounds. Agreement between repeat analyses is a measure of precision and is shown above in the column "% RPD". The average % RPD for 11 repeat measurements from one Tedlar bag sample is 6.3%.*



### CHAIN OF CUSTODY RECORD

Client/Project Name SCS Engineers / Chiquita Canyon		Project Location Castaic, CA			ANALYSES REQUESTED						
Project No. 07214017.91 Task 2		Field Logbook No.			<div style="writing-mode: vertical-rl; transform: rotate(180deg); font-size: 2em; font-weight: bold;">TR5 (307.91)</div>						
Sampler: (Signature) <i>[Signature]</i>		Chain of Custody Tape No.									
Sample No./ Identification	Type of Sample	AtmAA Lab Number	Sampling Date	Sampling Time							Special Remarks
FL-2009 Inlet	LPG	20894-4	03/29/24	0805	X						Unfiltered Raw Gas
											H2S Draiger <i>75 ppm</i> <i>65 ppm</i> <i>MM</i>

Relinquished by: (Signature) <i>[Signature]</i>	Date 03/29/24	Time 0950	Received by: (Signature) <i>[Signature]</i>	Date 3-29-24	Time 9:53
Relinquished by: (Signature) <i>[Signature]</i>	Date 3-29-24	Time 11:00	Received by: (Signature) <i>[Signature]</i>	Date	Time
Relinquished by: (Signature)	Date	Time	Received for Laboratory by: (Signature) <i>[Signature]</i>	Date 3/29/24	Time 11:00

<b>Company Info:</b> Company: SCS Engineers Street Address: 3900 Kilroy Airport Way Suite 100 City/State/Zip: Long Beach / CA / 90806 Telephone No.: 562-743-7895 / 562-335-0002 Fax No.:	<b>Send Report to:</b> Company: SCS Engineers Street Address: 3900 Kilroy Airport Way Suite 100 City/State/Zip: Long Beach / CA / 90806 Project Manager: Cornelius Fong Email Address: CFong@scsengineers.com	<b>Analytical Laboratory</b> AtmAA Inc. 23917 Craftsman Rd. Calabasas, CA 91302 TEL: (818) 223-3277 FAX: (818) 223-8250	
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LABORATORY ANALYSIS REPORT

Hydrogen Sulfide and Reduced Sulfur Compounds  
Analysis in Tedlar Bag Sample by SCAQMD Method 307.91

Report Date: April 10, 2024  
Client: SCS Engineers  
Project Location: Chiquita Canyon Landfill  
Project No.: 07214017.91 Task 2  
Date Sampled: March 30, 2024  
Date Received: March 30, 2024  
Date Analyzed: March 30, 2024

ANALYSIS DESCRIPTION

Total sulfur analysis measured by gas chromatography with sulfur chemiluminescence detector (SCD), SCAQMD 307.91.

AtmAA Lab No.: 20904-2  
Sample I.D.: FL-2009

Components	(Concentration in ppmv)
Hydrogen sulfide	66.9
Carbonyl sulfide	1.10
Methyl mercaptan	53.6
Ethyl mercaptan	1.17
Dimethyl sulfide	213
Carbon disulfide	<0.50
i-Propyl mercaptan	2.03
t-Butyl mercaptan	<0.50
n-Propyl mercaptan	4.80
s-Butyl mercaptan	5.19
i-Butyl mercaptan	<0.50
Dimethyl disulfide	4.69
Tetrahydrothiophene	3.04
Unidentified sulfurs	16.4

(Concentration in ppmv, as H<sub>2</sub>S)

Total Sulfur 376.0

Brian W. Fung  
Laboratory Director



QUALITY ASSURANCE SUMMARY  
(Repeat Analyses)

Project Location: Chiquita Canyon Landfill  
 Date Sampled: March 30, 2024  
 Date Received: March 30, 2024  
 Date Analyzed: March 30, 2024

Components	Sample ID	Repeat Analysis		Mean Conc.	% RPD
		Run #1	Run #2		
		<i>(Concentration in ppmv)</i>			
Hydrogen sulfide	FL-2009	66.0	67.8	66.9	2.7
Carbonyl sulfide	FL-2009	1.02	1.18	1.10	15
Methyl mercaptan	FL-2009	52.5	54.6	53.6	3.9
Ethyl mercaptan	FL-2009	1.06	1.28	1.17	19
Dimethyl sulfide	FL-2009	209	216	213	3.3
Carbon disulfide	FL-2009	<0.50	<0.50	---	---
i-Propyl mercaptan	FL-2009	1.91	2.15	2.03	12
t-Butyl mercaptan	FL-2009	<0.50	<0.50	---	---
n-Propyl mercaptan	FL-2009	4.83	4.77	4.80	1.3
s-Butyl mercaptan	FL-2009	4.85	5.53	5.19	13
i-Butyl mercaptan	FL-2009	<0.50	<0.50	---	---
Dimethyl disulfide	FL-2009	4.74	4.63	4.69	2.3
Tetrahydrothiophene	FL-2009	2.93	3.15	3.04	7.2
Unidentified sulfurs	FL-2009	16.4	16.4	16.4	0.06

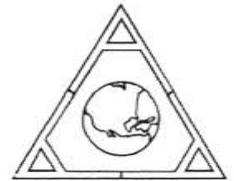
*One Tedlar bag sample, laboratory number 20904-2, was analyzed for total sulfur compounds. Agreement between repeat analyses is a measure of precision and is shown above in the column "% RPD". The average % RPD for 11 repeat measurements from one Tedlar bag sample is 7.2%.*





## CHAIN OF CUSTODY RECORD

Client/Project Name SCS Engineers / Chiquita Canyon		Project Location Castaic, CA			ANALYSES REQUESTED					
Project No. 07214017.91 Task 2		Field Logbook No.			<div style="writing-mode: vertical-rl; transform: rotate(180deg); font-size: 2em; font-weight: bold;">TR5(307.91)</div>					
Sampler: (Signature) 		Chain of Custody Tape No.								
Sample No./ Identification	Type of Sample	AtmAA Lab Number	Sampling Date	Sampling Time						Special Remarks
FL-2009	LF6	20904-2	3/30/24	8:50AM	X					Unfiltered Raw Gas
										H2S Draiger 70 PPM
Relinquished by: (Signature) 			Date 3/30/24	Time 9:50AM	Received by: (Signature) LUIS FAFAN			Date 3/30/24	Time 9:50.	
Relinquished by: (Signature) LUIS FAFAN			Date 3/30/24	Time 10:30 AM	Received by: (Signature)			Date	Time	
Relinquished by: (Signature)			Date	Time	Received for Laboratory by: (Signature) 			Date 3/30/24	Time 10:30	
Company Info:			Send Report to:			Analytical Laboratory				
Company: SCS Engineers			Company: SCS Engineers			AtmAA Inc.				
Street Address: 3900 Kilroy Airport Way Suite 100			Street Address: 3900 Kilroy Airport Way Suite 100			23917 Craftsman Rd.				
City/State/Zip: Long Beach / CA / 90806			City/State/Zip: Long Beach / CA / 90806			Calabasas, CA 91302				
Telephone No.: 562-743-7895 / 562-335-0002			Project Manager: Cornelius Fong			TEL: (818) 223-3277				
Fax No.:			Email Address: CFong@scsengineers.com			FAX: (818) 223-8250				





**LABORATORY ANALYSIS REPORT**

Hydrogen Sulfide and Reduced Sulfur Compounds  
Analysis in Tedlar Bag Sample by SCAQMD Method 307.91

Report Date: April 10, 2024  
Client: SCS Engineers  
Project Location: Chiquita Canyon Landfill  
Project No.: 07214017.91 Task 2  
Date Sampled: March 31, 2024  
Date Received: April 1, 2024  
Date Analyzed: April 1, 2024

**ANALYSIS DESCRIPTION**

Total sulfur analysis measured by gas chromatography with sulfur chemiluminescence detector (SCD), SCAQMD 307.91.

AtmAA Lab No.: 20924-5  
Sample I.D.: FL-2009 Inlet

<u>Components</u>	<i>(Concentration in ppmv)</i>
Hydrogen sulfide	57.0
Carbonyl sulfide	1.00
Methyl mercaptan	42.8
Ethyl mercaptan	1.09
Dimethyl sulfide	208
Carbon disulfide	<0.50
i-Propyl mercaptan	1.63
t-Butyl mercaptan	<0.50
n-Propyl mercaptan	4.25
s-Butyl mercaptan	4.39
i-Butyl mercaptan	<0.50
Dimethyl disulfide	6.91
Tetrahydrothiophene	2.99
Unidentified sulfurs	27.8

*(Concentration in ppmv, as H<sub>2</sub>S)*

Total Sulfur 364.2

  
\_\_\_\_\_  
Brian W. Fung  
Laboratory Director

QUALITY ASSURANCE SUMMARY  
(Repeat Analyses)

Project Location: Chiquita Canyon Landfill  
 Date Sampled: March 31, 2024  
 Date Received: April 1, 2024  
 Date Analyzed: April 1, 2024

Components	Sample ID	Repeat Analysis		Mean Conc.	% RPD
		Run #1	Run #2		
		<i>(Concentration in ppmv)</i>			
Hydrogen sulfide	FL-2009 Inlet	57.5	56.5	57.0	1.8
Carbonyl sulfide	FL-2009 Inlet	1.06	0.93	1.00	13
Methyl mercaptan	FL-2009 Inlet	42.0	43.5	42.8	3.5
Ethyl mercaptan	FL-2009 Inlet	1.00	1.18	1.09	17
Dimethyl sulfide	FL-2009 Inlet	206	209	208	1.4
Carbon disulfide	FL-2009 Inlet	<0.50	<0.50	---	---
i-Propyl mercaptan	FL-2009 Inlet	1.70	1.56	1.63	8.6
t-Butyl mercaptan	FL-2009 Inlet	<0.50	<0.50	---	---
n-Propyl mercaptan	FL-2009 Inlet	4.28	4.21	4.25	1.6
s-Butyl mercaptan	FL-2009 Inlet	4.67	4.11	4.39	13
i-Butyl mercaptan	FL-2009 Inlet	<0.50	<0.50	---	---
Dimethyl disulfide	FL-2009 Inlet	7.00	6.81	6.91	2.8
Tetrahydrothiophene	FL-2009 Inlet	3.06	2.91	2.99	5.0
Unidentified sulfurs	FL-2009 Inlet	27.8	27.9	27.8	0.32

*One Tedlar bag sample, laboratory number 20924-5, was analyzed for total sulfur compounds. Agreement between repeat analyses is a measure of precision and is shown above in the column "% RPD". The average % RPD for 11 repeat measurements from one Tedlar bag sample is 6.1%.*





**LABORATORY ANALYSIS REPORT**

Hydrogen Sulfide and Reduced Sulfur Compounds  
Analysis in Tedlar Bag Sample by SCAQMD Method 307.91

Report Date: April 10, 2024  
Client: SCS Engineers  
Project Location: Chiquita Canyon Landfill  
Project No.: 07214017.91 Task 2  
Date Sampled: April 1, 2024  
Date Received: April 1, 2024  
Date Analyzed: April 1, 2024

**ANALYSIS DESCRIPTION**

Total sulfur analysis measured by gas chromatography with sulfur chemiluminescence detector (SCD), SCAQMD 307.91.

AtmAA Lab No.: 20924-6  
Sample I.D.: FL-2009 Inlet

<u>Components</u>	<i>(Concentration in ppmv)</i>
Hydrogen sulfide	67.3
Carbonyl sulfide	0.86
Methyl mercaptan	50.2
Ethyl mercaptan	1.17
Dimethyl sulfide	213
Carbon disulfide	<0.50
i-Propyl mercaptan	1.85
t-Butyl mercaptan	<0.50
n-Propyl mercaptan	3.69
s-Butyl mercaptan	4.01
i-Butyl mercaptan	<0.50
Dimethyl disulfide	5.28
Tetrahydrothiophene	3.08
Unidentified sulfurs	21.8

*(Concentration in ppmv, as H<sub>2</sub>S)*

Total Sulfur 377.4

Brian W. Fung  
Laboratory Director



QUALITY ASSURANCE SUMMARY  
(Repeat Analyses)

Project Location: Chiquita Canyon Landfill  
 Date Sampled: April 1, 2024  
 Date Received: April 1, 2024  
 Date Analyzed: April 1, 2024

Components	Sample ID	Repeat Analysis		Mean Conc.	% RPD
		Run #1	Run #2		
<i>(Concentration in ppmv)</i>					
Hydrogen sulfide	FL-2009 Inlet	66.1	68.4	67.3	3.4
Carbonyl sulfide	FL-2009 Inlet	0.96	0.75	0.86	24
Methyl mercaptan	FL-2009 Inlet	49.9	50.4	50.2	1.0
Ethyl mercaptan	FL-2009 Inlet	1.11	1.22	1.17	9.4
Dimethyl sulfide	FL-2009 Inlet	212	214	213	0.94
Carbon disulfide	FL-2009 Inlet	<0.50	<0.50	---	---
i-Propyl mercaptan	FL-2009 Inlet	1.80	1.89	1.85	4.9
t-Butyl mercaptan	FL-2009 Inlet	<0.50	<0.50	---	---
n-Propyl mercaptan	FL-2009 Inlet	3.82	3.56	3.69	7.0
s-Butyl mercaptan	FL-2009 Inlet	4.31	3.71	4.01	15
i-Butyl mercaptan	FL-2009 Inlet	<0.50	<0.50	---	---
Dimethyl disulfide	FL-2009 Inlet	5.31	5.24	5.28	1.3
Tetrahydrothiophene	FL-2009 Inlet	2.83	3.33	3.08	16
Unidentified sulfurs	FL-2009 Inlet	22.2	21.4	21.8	3.9

*One Tedlar bag sample, laboratory number 20924-6, was analyzed for total sulfur compounds. Agreement between repeat analyses is a measure of precision and is shown above in the column "% RPD". The average % RPD for 11 repeat measurements from one Tedlar bag sample is 7.9%.*





## CHAIN OF CUSTODY RECORD

Client/Project Name SCS Engineers / Chiquita Canyon		Project Location Castaic, CA			ANALYSES REQUESTED								
Project No. 07214017.91 Task 2		Field Logbook No.			<div style="font-size: 2em; transform: rotate(-45deg); display: inline-block;">TRs (307.91)</div>								
Sampler: (Signature) <i>[Signature]</i>		Chain of Custody Tape No.											
Sample No./ Identification	Type of Sample	AtmAA Lab Number	Sampling Date	Sampling Time							Special Remarks		
Flare 2009 inlet	LFG	20924-5	3/31/24	4:08pm	+							Unfiltered Raw Gas	
FL-2009 inlet	LFG	-6	4-1-24	9:00am	X							H2S Draiger	
Relinquished by: (Signature) <i>[Signature]</i>		Date	Time	Received by: (Signature) <i>[Signature]</i>		Date	Time	Received by: (Signature) <i>[Signature]</i>		Date	Time	Received for Laboratory by: (Signature) <i>[Signature]</i>	
Relinquished by: (Signature) <i>[Signature]</i>		4-1-24	9:21am	Received by: (Signature) <i>[Signature]</i>		4-1-24	9:21am	Received by: (Signature) <i>[Signature]</i>		4/1/24	9:49	Received for Laboratory by: (Signature) <i>[Signature]</i>	
Relinquished by: (Signature) <i>[Signature]</i>		4/1/24	10:30 AM	Received by: (Signature) <i>[Signature]</i>		4/1/24	10:30 AM	Received by: (Signature) <i>[Signature]</i>		4/1/24	10:30	Received for Laboratory by: (Signature) <i>[Signature]</i>	
Company Info:		Send Report to:			Analytical Laboratory								
Company: SCS Engineers		Company: SCS Engineers			AtmAA Inc.								
Street Address: 3900 Kilroy Airport Way Suite 100		Street Address: 3900 Kilroy Airport Way Suite 100			23917 Craftsman Rd.								
City/State/Zip: Long Beach / CA / 90806		City/State/Zip: Long Beach / CA / 90806			Calabasas, CA 91302								
Telephone No.: 562-743-7895 / 562-335-0002		Project Manager: Cornelius Fong			TEL: (818) 223-3277								
Fax No.:		Email Address: CFong@scsengineers.com			FAX: (818) 223-8250								



Attachment B  
Calculations

Chiquita Canyon Landfill  
Total Emissions  
Monthly Report Period: March 2024

Date	Flare No. 1 John Zink (FL-150) (FL-1995)				Flare No. 2 John Zink (Zule) (FL-100) (FL-2009)				Flare No. 3 John Zink (Zule) (FL-2023)				Zeeco Thermal Oxidizer (TOx)				All Control Devices (Flare No. 1, Flare No. 2, Flare No. 3, Zeeco)			Lab Analysis Total Reduced Sulfur (TRS) as H2S (ppmv)
	Total LFG Combusted (scf/day)	Runtime (hr)	Flow Rate (scfm)	Flow Rate (scf/hr)	Total LFG Combusted (scf/day)	Runtime (hr)	Flow Rate (scfm)	Flow Rate (scf/hr)	Total LFG Combusted (scf/day)	Runtime (hr)	Flow Rate (scfm)	Flow Rate (scf/hr)	Total LFG Combusted (scf/day)	Runtime (hr)	Flow Rate (scfm)	Flow Rate (scf/hr)	Total LFG Combusted (scf/day)	Total Flow Rate (scfm)	Total Flow Rate (scf/hr)	
3/1/2024	830,023	5.47	576	34,584	2,168,965	9.95	1,506	90,374	7,800,723	24.00	5,417	325,030	1,139,784	24.00	1,500	47,491	11,939,495	8,291	497,479	240
3/2/2024	2,162,757	16.92	1,502	90,115	0	0.00	0	0	7,497,004	24.00	5,206	312,375	657,675	14.30	1,500	27,403	10,317,435	7,165	429,893	292
3/3/2024	1,771,778	12.50	1,230	73,824	0	0.00	0	0	7,768,382	24.00	5,395	323,683	0	0.00	1,960	0	9,540,160	6,625	397,507	292
3/4/2024	2,604,294	23.98	1,809	108,512	732,493	4.65	509	30,521	7,335,109	24.00	5,094	305,630	0	0.00	2,500	0	10,671,896	7,411	444,662	412
3/5/2024	2,004,754	21.98	1,392	83,531	3,586,159	22.15	2,490	149,423	6,717,416	24.00	4,665	279,892	0	0.00	2,500	0	12,308,329	8,547	512,847	415
3/6/2024	2,805,854	24.00	1,949	116,911	4,471,373	24.00	3,105	186,307	5,511,476	21.07	3,827	229,645	0	0.00	2,500	0	12,788,702	8,881	532,863	390
3/7/2024	2,641,513	24.00	1,834	110,063	4,656,421	22.78	3,234	194,018	6,375,325	24.00	4,427	265,639	0	0.00	2,500	0	13,673,259	9,495	569,719	243
3/8/2024	2,322,696	22.03	1,613	96,779	5,034,932	24.00	3,496	209,789	6,550,817	24.00	4,549	272,951	0	0.00	2,500	0	13,908,444	9,659	579,519	366
3/9/2024	3,154,608	24.00	2,191	131,442	4,762,205	24.00	3,307	198,425	6,457,404	24.00	4,484	269,058	0	0.00	2,500	0	14,374,216	9,982	598,926	364
3/10/2024	3,011,718	23.00	2,091	125,488	4,563,791	23.00	3,169	190,158	6,155,252	23.00	4,274	256,469	0	0.00	2,500	0	13,730,761	9,535	572,115	364
3/11/2024	3,130,720	24.00	2,174	130,447	4,763,234	24.00	3,308	198,468	6,395,787	24.00	4,442	266,491	0	0.00	2,500	0	14,289,740	9,923	595,406	374
3/12/2024	1,145,191	8.83	795	47,716	3,789,909	18.22	2,632	157,913	6,457,926	22.30	4,485	269,080	0	0.00	2,500	0	11,393,026	7,912	474,709	404
3/13/2024	61,587	0.42	43	2,566	5,242,750	24.00	3,641	218,448	3,862,618	14.13	2,682	160,942	0	0.00	2,500	0	9,166,954	6,366	381,956	391
3/14/2024	118,040	1.08	82	4,918	5,369,235	24.00	3,729	223,718	6,047,889	22.10	4,200	251,995	0	0.00	2,500	0	11,535,164	8,011	480,632	382
3/15/2024	751	0.00	1	31	5,013,807	22.42	3,482	208,909	5,987,506	21.45	4,158	249,479	0	0.00	2,500	0	11,002,064	7,640	458,419	380
3/16/2024	0	0.00	0	0	5,369,729	24.00	3,729	223,739	6,679,671	23.97	4,639	278,320	0	0.00	2,500	0	12,049,399	8,368	502,058	349
3/17/2024	0	0.00	0	0	5,392,462	24.00	3,745	224,686	5,397,540	19.52	3,748	224,897	0	0.00	2,500	0	10,790,002	7,493	449,583	375
3/18/2024	0	0.00	0	0	5,392,727	24.00	3,745	224,697	6,719,055	24.00	4,666	279,961	0	0.00	2,500	0	12,111,782	8,411	504,658	384
3/19/2024	180	0.00	0	7	3,070,303	13.72	2,132	127,929	5,736,857	21.13	3,984	239,036	0	0.00	2,500	0	8,807,339	6,116	366,972	400
3/20/2024	0	0.00	0	0	5,393,112	24.00	3,745	224,713	6,500,096	24.00	4,514	270,837	0	0.00	2,500	0	11,893,208	8,259	495,550	418
3/21/2024	0	0.00	0	0	5,391,149	24.00	3,744	224,631	6,493,560	24.00	4,509	270,565	468,605	13.02	2,500	19,525	12,353,313	8,579	514,721	343
3/22/2024	2,688,365	14.05	1,867	112,015	5,072,556	23.57	3,523	211,357	5,619,338	23.15	3,902	234,139	776,805	24.00	2,500	32,367	14,157,064	9,831	589,878	338
3/23/2024	4,221,840	24.00	2,932	175,910	5,322,731	24.00	3,696	221,780	5,013,943	21.47	3,482	208,914	733,594	24.00	2,500	30,566	15,292,107	10,620	637,171	326
3/24/2024	3,494,023	24.00	2,426	145,584	5,358,823	24.00	3,721	223,284	5,887,410	24.00	4,088	245,309	704,317	24.00	2,500	29,347	15,444,573	10,725	643,524	326
3/25/2024	3,147,774	24.00	2,186	131,157	5,391,941	24.00	3,744	224,664	5,924,430	24.00	4,114	246,851	679,976	24.00	2,500	28,332	15,144,120	10,517	631,005	340
3/26/2024	2,948,279	24.00	2,047	122,845	5,392,729	24.00	3,745	224,697	5,944,533	24.00	4,128	247,689	658,816	24.00	2,500	27,451	14,944,357	10,378	622,682	357
3/27/2024	2,899,702	18.00	2,014	120,821	5,326,149	23.83	3,699	221,923	5,892,147	23.67	4,092	245,506	670,790	24.00	2,500	27,950	14,788,787	10,270	616,199	338
3/28/2024	4,759,431	23.42	3,305	198,310	4,942,362	22.62	3,432	205,932	5,217,203	21.40	3,623	217,383	631,277	24.00	2,500	26,303	15,550,272	10,799	647,928	367
3/29/2024	4,061,225	20.62	2,820	169,218	4,904,852	22.98	3,406	204,369	5,503,130	23.13	3,822	229,297	604,966	23.18	2,500	25,207	15,074,173	10,468	628,091	350
3/30/2024	4,693,949	24.00	3,260	195,581	4,856,448	24.00	3,373	202,352	5,607,770	24.00	3,894	233,657	614,527	24.00	2,500	25,605	15,772,694	10,953	657,196	376
3/31/2024	4,730,975	24.00	3,285	197,124	4,928,212	24.00	3,422	205,342	5,260,474	22.72	3,653	219,186	610,745	24.00	2,500	25,448	15,530,405	10,785	647,100	364

\* Flare Flow and Runtime from chart recorder data. Ameresco's variance was approved on February 15, 2023 and Ameresco began operations on February 16, 2023.

\* Event went offline on January 31, 2024. Removed from site.

\* Date of lab data based on date sampled.

**Chiquita Canyon Landfill**  
**LFG Not Combusted**  
**Monthly Report Period: March 2024**

Date	Flare 1, 2, 3, Envent, Zeeco Total Flow Rate (scf/day)	2022 Baseline Flow Rate (scf/day)	LFG Not Combusted (scf/day) <sup>1</sup>	Ameresco LFG Processed (scf/day) <sup>2</sup>	LFG Not Combusted (scfm)
3/1/2024	11,939,495	--	--	0	--
3/2/2024	10,317,435	11,921,305	1,603,870	0	1,114
3/3/2024	9,540,160	11,921,305	2,381,146	0	1,654
3/4/2024	10,671,896	11,921,305	1,249,410	0	868
3/5/2024	12,308,329	--	--	0	--
3/6/2024	12,788,702	--	--	0	--
3/7/2024	13,673,259	--	--	0	--
3/8/2024	13,908,444	--	--	0	--
3/9/2024	14,374,216	--	--	0	--
3/10/2024	13,730,761	--	--	0	--
3/11/2024	14,289,740	--	--	0	--
3/12/2024	11,393,026	11,921,305	528,280	0	367
3/13/2024	9,166,954	11,921,305	2,754,351	0	1,913
3/14/2024	11,535,164	11,921,305	386,142	0	268
3/15/2024	11,002,064	11,921,305	919,242	0	638
3/16/2024	12,049,399	--	--	0	--
3/17/2024	10,790,002	11,921,305	1,131,304	0	786
3/18/2024	12,111,782	--	--	0	--
3/19/2024	8,807,339	11,921,305	3,113,966	0	2,162
3/20/2024	11,893,208	11,921,305	28,098	0	20
3/21/2024	12,353,313	--	--	0	--
3/22/2024	14,157,064	--	--	0	--
3/23/2024	15,292,107	--	--	0	--
3/24/2024	15,444,573	--	--	0	--
3/25/2024	15,144,120	--	--	0	--
3/26/2024	14,944,357	--	--	0	--
3/27/2024	14,788,787	--	--	0	--
3/28/2024	15,550,272	--	--	0	--
3/29/2024	15,074,173	--	--	0	--
3/30/2024	15,772,694	--	--	0	--
3/31/2024	15,530,405	--	--	0	--
<b>Total/Average</b>					<b>979</b>

<sup>1</sup>Total LFG not combusted is calculated based on the difference from total flow rate from all control devices from 2022 (baseline) and flow rate from Flare 1 and 2 during the reporting period. Ameresco applied for variance to operate the LFG turbine plant under a variance order, and their variance was approved on February 15, 2023. Ameresco restarted operations on February 16, 2023, returning LFG collection and control system at CCL to full capacity. Therefore, the daily flow of LFG not flared per Section B ended on February 17, 2023, except for periods when the Ameresco Plant and/or the Flares are offline or processing less LFG for other reasons.

<sup>2</sup>Actual Ameresco LFG flow rate after restarting operations are greater than the unflared amount while Ameresco was off-line. Therefore, there are no unflared gas except for March 2, 3, 4, 12, 13, 14, 15, 17, 19, and 20, 2024.

\*Flare Flow and Runtime from chart recorder data.

\*Date of lab data based on date sampled.

<b>2022 Baseline Flow Rate</b>			
<b>Devices</b>	<b>Total Flow (scf)</b>	<b>Flow Rate (scf/day)</b>	<b>Flow Rate (scfm)</b>
Flare No. 1	1,380,940,025	3,783,397	2,627
Flare No. 2	1,386,138,034	3,797,638	2,637
LFGTE Facility	1,584,198,413	4,340,270	3,014
<b>Total</b>	<b>4,351,276,471</b>	<b>11,921,305</b>	<b>8,279</b>

\*Flare flow from chart recorder data. LFGTE Facility flow from Ameresco.



Attachment C

Surface Emissions Monitoring

**2024 Chiquita Surface Emissions Exceedance**

Grid	Initial Date	Initial Exceedance >500, 200-499, >25 (PPM)	10-Day Corrective Action	First Remonitoring Date (10-days)	PPM	2nd 10-Day Corrective Action	Second Remonitoring Date (10-days)	PPM	Monthly Corrective Action	Monthly Remonitoring Date	PPM	45-Day Corrective Action Deadline	45-Day Corrective Action	45-Day Corrective Action Date/Remonitoring	PPM
<b>Integrated (Monthly)</b>															
169	1/10/2024	28	Trackwalk	1/17/2024	22	NA	NA	NA							
171	1/10/2024	36	Trackwalk	1/17/2024	38	Moist soil	1/24/2024	103	Moisture Condition, Soil/Dirt Compaction	1/31/2024	23	3/9/2024	1/30/24: Relocated Zeeco flare to increase system vacuum. installed new vertical wells CV-24047 (2/15/24), CV-24053 (1/29/24), CV-24073 (3/12/24)	3/5/2024	14
172	1/10/2024	35	Trackwalk	1/17/2024	56	Moist soil	1/24/2024	22							
176	1/10/2024	45	Trackwalk	1/17/2024	29	Moist soil	1/24/2024	15							
179	1/10/2024	210	Trackwalk	1/17/2024	84	Moist soil	1/24/2024	23							
183	1/10/2024	171	Trackwalk	1/17/2024	91	Moist soil	1/24/2024	21							
153	1/24/2024	29	Trackwalk	1/31/2024	14	NA	NA	NA							
152	1/24/2024	37	Trackwalk	1/31/2024	22	NA	NA	NA							
151	1/24/2024	52	Trackwalk	1/31/2024	18	NA	NA	NA							
171	1/24/2024	103	Trackwalk	1/31/2024	23	NA	NA	NA							
156	1/24/2024	229	Trackwalk	1/31/2024	16	NA	NA	NA							
173	1/24/2024	41	Trackwalk	1/31/2024	14	NA	NA	NA							
150	1/24/2024	35	Trackwalk	1/31/2024	22	NA	NA	NA							
174	2/10/2024	25	Trackwalk	2/16/2024	23	NA	NA	NA							
175	2/10/2024	35	Trackwalk	2/16/2024	22	NA	NA	NA							
176	2/10/2024	275	Trackwalk	2/16/2024	20	NA	NA	NA							
177	2/10/2024	33	Trackwalk	2/16/2024	16	NA	NA	NA							
179	2/10/2024	332	Trackwalk	2/16/2024	16	NA	NA	NA							
180	2/10/2024	60	Trackwalk	2/16/2024	20	NA	NA	NA							
184	2/10/2024	54	Trackwalk	2/16/2024	19	NA	NA	NA							
185	2/24/2024	49	Trackwalk	3/4/2024	22	NA	NA	NA							
150	2/24/2024	58	Trackwalk	3/4/2024	20	NA	NA	NA							
156	2/24/2024	72	Trackwalk	3/4/2024	86	Moist soil	3/13/2024	24							
176	2/24/2024	63	Trackwalk	3/4/2024	19	NA	NA	NA							
169	2/24/2024	265	Trackwalk	3/4/2024	170	Moist soil	3/13/2024	21							
166	2/24/2024	210	Trackwalk	3/4/2024	130	Moist soil	3/13/2024	23							
156	3/5/2024	92	Trackwalk	3/13/2024	24	NA	NA	NA							
180	3/5/2024	47	Trackwalk	3/13/2024	18	NA	NA	NA							
179	3/5/2024	39	Trackwalk	3/13/2024	23	NA	NA	NA							
178	3/5/2024	56	Trackwalk	3/13/2024	24	NA	NA	NA							
172	3/5/2024	74	Trackwalk	3/13/2024	22	NA	NA	NA							
157	3/5/2024	82	Trackwalk	3/13/2024	20	NA	NA	NA							
158	3/5/2024	35	Trackwalk	3/13/2024	23	NA	NA	NA							
184	3/5/2024	63	Trackwalk	3/13/2024	21	NA	NA	NA							
187	3/5/2024	29	Trackwalk	3/13/2024	23	NA	NA	NA							
189	3/5/2024	174	Trackwalk	3/13/2024	21	NA	NA	NA							
170	3/5/2024	151	Trackwalk	3/13/2024	19	NA	NA	NA							
156	3/20/2024	128	Trackwalk	3/26/2024	7	NA	NA	NA							
158	3/20/2024	53	Trackwalk	3/26/2024	4	NA	NA	NA							
184	3/20/2024	48	Unstable surface, health and safety	4/2/2024	10	NA	NA	NA							
203	3/20/2024	50	Unstable surface, health and safety	4/2/2024	20	NA	NA	NA							
204	3/20/2024	29	Unstable surface, health and safety	4/2/2024	23	NA	NA	NA							
152	3/20/2024	34	Trackwalk	3/26/2024	10	NA	NA	NA							
<b>Instantaneous (Monthly)</b>															
181Y21	1/4/2024	2,346	Moisture Condition, Soil/Dirt Compaction	1/12/2024	94	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	1/29/2024	300				
182Y22	1/4/2024	1,253	Moisture Condition, Soil/Dirt Compaction	1/12/2024	133	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	1/29/2024	450				
189Y23	1/4/2024	5,219	Moisture Condition, Soil/Dirt Compaction	1/12/2024	183	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	1/29/2024	339				
175Y71	1/4/2024	600	Moisture Condition, Soil/Dirt Compaction	1/12/2024	77	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	1/29/2024	65				
174Y72	1/4/2024	700	Moisture Condition, Soil/Dirt Compaction	1/12/2024	137	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	1/29/2024	229				
178Y51	1/4/2024	2,200	Moisture Condition, Soil/Dirt Compaction	1/12/2024	491	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	1/29/2024	20				
176Y31	1/4/2024	1,000	Moisture Condition, Soil/Dirt Compaction	1/12/2024	103	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	1/29/2024	428				
176Y32	1/4/2024	1,500	Moisture Condition, Soil/Dirt Compaction	1/12/2024	195	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	1/29/2024	101				
176Y33	1/4/2024	1,200	Moisture Condition, Soil/Dirt Compaction	1/12/2024	78	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	1/29/2024	105				
180Y34	1/4/2024	1,100	Moisture Condition, Soil/Dirt Compaction	1/12/2024	264	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	1/29/2024	423				
183Y35	1/4/2024	900	Moisture Condition, Soil/Dirt Compaction	1/12/2024	153	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	1/29/2024	401				
183Y36	1/4/2024	800	Moisture Condition, Soil/Dirt Compaction	1/12/2024	97	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	1/29/2024	15				
187Y41	1/4/2024	900	Moisture Condition, Soil/Dirt Compaction	1/12/2024	219	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	1/29/2024	400				
171Y41	1/17/2024	1,200	Moisture Condition, Soil/Dirt Compaction	1/24/2024	86	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	2/13/2024	67				
171Y42	1/17/2024	3,000	Moisture Condition, Soil/Dirt Compaction	1/24/2024	140	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	2/13/2024	162				
179Y43	1/17/2024	1,000	Moisture Condition, Soil/Dirt Compaction	1/24/2024	210	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	2/13/2024	173				
179Y44	1/17/2024	3,000	Moisture Condition, Soil/Dirt Compaction	1/24/2024	96	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	2/13/2024	455				
184Y45	1/17/2024	3,000	Moisture Condition, Soil/Dirt Compaction	1/24/2024	58	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	2/13/2024	212				
184Y46	1/17/2024	2,000	Moisture Condition, Soil/Dirt Compaction	1/24/2024	79	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	2/13/2024	371				
183Y31	1/17/2024	2,000	Moisture Condition, Soil/Dirt Compaction	1/24/2024	28	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	2/13/2024	266				
183Y32	1/17/2024	4,000	Moisture Condition, Soil/Dirt Compaction	1/24/2024	74	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	2/13/2024	309				
180Y33	1/17/2024	5,000	Moisture Condition, Soil/Dirt Compaction	1/24/2024	103	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	2/13/2024	188				
180Y34	1/17/2024	3,500	Moisture Condition, Soil/Dirt Compaction	1/24/2024	206	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	2/13/2024	77				
176Y35	1/17/2024	3,000	Moisture Condition, Soil/Dirt Compaction	1/24/2024	209	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	2/13/2024	407				
176Y36	1/17/2024	6,000	Moisture Condition, Soil/Dirt Compaction	1/24/2024	384	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	2/13/2024	363				
173Y37	1/17/2024	700	Moisture Condition, Soil/Dirt Compaction	1/24/2024	56	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	2/13/2024	80				
169Y38	1/17/2024	800	Moisture Condition, Soil/Dirt Compaction	1/24/2024	44	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	2/13/2024	119				
152Y61	1/17/2024	1,720	Moisture Condition, Soil/Dirt Compaction	1/24/2024	96	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	2/13/2024	310				
152Y62	1/17/2024	872	Moisture Condition, Soil/Dirt Compaction	1/24/2024	131	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	2/13/2024	144				
153Y63	1/17/2024	2,238	Moisture Condition, Soil/Dirt Compaction	1/24/2024	70	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	2/13/2024	70				
154Y64	1/17/2024	3,064	Moisture Condition, Soil/Dirt Compaction	1/24/2024	156	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	2/13/2024	358				
206Y1	1/17/2024	1,800	Moisture Condition, Soil/Dirt Compaction	1/24/2024	214	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	2/13/2024	377				
206Y2	1/17/2024	1,276	Moisture Condition, Soil/Dirt Compaction	1/24/2024	111	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	2/13/2024	102				
207Y3	1/17/2024	1,300	Moisture Condition, Soil/Dirt Compaction	1/24/2024	128	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	2/13/2024	249				
207Y4	1/17/2024	500	Moisture Condition, Soil/Dirt Compaction	1/24/2024	74	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	2/13/2024	228				
207Y5	1/17/2024	900	Moisture Condition, Soil/Dirt Compaction	1/24/2024	130	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	2/13/2024	46				
185Y51	1/17/2024	735	Moisture Condition, Soil/Dirt Compaction	1/24/2024	171	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	2/13/2024	200				
178Y52	1/17/2024	521	Moisture Condition, Soil/Dirt Compaction	1/24/2024	310	NA	NA	NA	Moisture Condition, Soil/Dirt						

Grid	Initial Date	Initial Exceedance >500, 200-499, >25 (PPM)	10-Day Corrective Action	First Remonitoring Date (10-days)	PPM	2nd 10-Day Corrective Action	Second Remonitoring Date (10-days)	PPM	Monthly Corrective Action	Monthly Remonitoring Date	PPM	45-Day Corrective Action Deadline	45-Day Corrective Action Date/Remonitoring Date	PPM
180/Y3	1/31/2024	1,200	Moisture Condition, Soil/Dirt Compaction	2/9/2024	350	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	2/24/2024	37			
176/Y4	1/31/2024	1,500	Moisture Condition, Soil/Dirt Compaction	2/9/2024	87.48	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	2/24/2024	104			
176/Y5	1/31/2024	1,200	Moisture Condition, Soil/Dirt Compaction	2/9/2024	89.7	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	2/24/2024	86			
176/Y6	1/31/2024	1,300	Moisture Condition, Soil/Dirt Compaction	2/9/2024	67.56	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	2/24/2024	92			
170/Y7	1/31/2024	1,100	Moisture Condition, Soil/Dirt Compaction	2/9/2024	425	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	2/24/2024	71			
150/Y31	1/31/2024	500	Moisture Condition, Soil/Dirt Compaction	2/9/2024	210	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	2/24/2024	135			
150/Y32	1/31/2024	8,000	Moisture Condition, Soil/Dirt Compaction	2/9/2024	175	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	2/24/2024	217			
150/Y33	1/31/2024	7,500	Moisture Condition, Soil/Dirt Compaction	2/9/2024	18.15	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	2/24/2024	200			
150/Y34	1/31/2024	6,000	Moisture Condition, Soil/Dirt Compaction	2/9/2024	375	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	2/24/2024	197			
151/Y35	1/31/2024	3,500	Moisture Condition, Soil/Dirt Compaction	2/9/2024	70.71	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	2/24/2024	208			
151/Y36	1/31/2024	1,000	Moisture Condition, Soil/Dirt Compaction	2/9/2024	42.5	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	2/24/2024	164			
152/Y37	1/31/2024	2,500	Moisture Condition, Soil/Dirt Compaction	2/9/2024	243	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	2/24/2024	90			
152/Y38	1/31/2024	500	Moisture Condition, Soil/Dirt Compaction	2/9/2024	125	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	2/24/2024	107			
185/Y21	1/31/2024	600	Moisture Condition, Soil/Dirt Compaction	2/9/2024	75.4	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	2/24/2024	137			
185/Y22	1/31/2024	3,600	Moisture Condition, Soil/Dirt Compaction	2/9/2024	35.2	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	2/24/2024	104			
178/Y23	1/31/2024	800	Moisture Condition, Soil/Dirt Compaction	2/9/2024	61.75	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	2/24/2024	113			
156/Y24	1/31/2024	1,356	Moisture Condition, Soil/Dirt Compaction	2/9/2024	102	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	2/24/2024	111			
156/Y25	1/31/2024	1,100	Moisture Condition, Soil/Dirt Compaction	2/9/2024	81.18	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	2/24/2024	127			
157/Y26	1/31/2024	700	Moisture Condition, Soil/Dirt Compaction	2/9/2024	145	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	2/24/2024	87			
158/Y27	1/31/2024	1,200	Moisture Condition, Soil/Dirt Compaction	2/9/2024	207	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	2/24/2024	52			
158/Y28	1/31/2024	2,345	Moisture Condition, Soil/Dirt Compaction	2/9/2024	171	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	2/24/2024	201			
158/Y29	1/31/2024	3,623	Moisture Condition, Soil/Dirt Compaction	2/9/2024	63.34	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	2/24/2024	146			
158/Y30	1/31/2024	700	Moisture Condition, Soil/Dirt Compaction	2/9/2024	51.2	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	2/24/2024	87			
178/Y11	1/31/2024	1,000	Moisture Condition, Soil/Dirt Compaction	2/9/2024	35.37	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	2/24/2024	138			
90/Y61	1/31/2024	3,094	Moisture Condition, Soil/Dirt Compaction	2/9/2024	153	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	2/24/2024	148			
155/Y62	1/31/2024	2,176	Moisture Condition, Soil/Dirt Compaction	2/9/2024	372	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	2/24/2024	99			
83/Y63	1/31/2024	4,179	Moisture Condition, Soil/Dirt Compaction	2/9/2024	321	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	2/24/2024	173			
83/Y64	1/31/2024	7,763	Moisture Condition, Soil/Dirt Compaction	2/9/2024	221	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	2/24/2024	140			
187/Y52	1/31/2024	512	Moisture Condition, Soil/Dirt Compaction	2/9/2024	118	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	2/24/2024	120			
186/Y53	1/31/2024	513	Moisture Condition, Soil/Dirt Compaction	2/9/2024	191	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	2/24/2024	125			
192/Y54	1/31/2024	510	Moisture Condition, Soil/Dirt Compaction	2/9/2024	297	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	2/24/2024	79			
166/Y41	1/31/2024	1,000	Moisture Condition, Soil/Dirt Compaction	2/9/2024	99.5	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	2/24/2024	84			
166/Y42	1/31/2024	2,000	Moisture Condition, Soil/Dirt Compaction	2/9/2024	325	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	2/24/2024	189			
166/Y43	1/31/2024	3,000	Moisture Condition, Soil/Dirt Compaction	2/9/2024	175	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	2/24/2024	201			
159/Y44	1/31/2024	4,000	Moisture Condition, Soil/Dirt Compaction	2/9/2024	207	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	2/24/2024	143			
203/Y31	2/14/2024	5,640	Moisture Condition, Soil/Dirt Compaction	2/22/2024	407	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	3/12/2024	57			
204/Y32	2/14/2024	7,200	Moisture Condition, Soil/Dirt Compaction	2/22/2024	311	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	3/12/2024	11			
174/Y33	2/14/2024	2,000	Moisture Condition, Soil/Dirt Compaction	2/22/2024	359	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	3/12/2024	34			
183/Y10	2/14/2024	535	Moisture Condition, Soil/Dirt Compaction	2/22/2024	214	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	3/12/2024	5			
180/Y11	2/14/2024	580	Moisture Condition, Soil/Dirt Compaction	2/22/2024	201	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	3/12/2024	3			
176/Y12	2/14/2024	625	Moisture Condition, Soil/Dirt Compaction	2/22/2024	360	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	3/12/2024	4.09			
173/Y13	2/14/2024	510	Moisture Condition, Soil/Dirt Compaction	2/22/2024	72	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	3/12/2024	43			
184/Y1	2/14/2024	2,000	Moisture Condition, Soil/Dirt Compaction	2/22/2024	490	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	3/12/2024	113			
187/Y2	2/14/2024	10,000	Moisture Condition, Soil/Dirt Compaction	2/22/2024	456	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	3/12/2024	124			
187/Y3	2/14/2024	600	Moisture Condition, Soil/Dirt Compaction	2/22/2024	111	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	3/12/2024	121			
184/Y4	2/14/2024	600	Moisture Condition, Soil/Dirt Compaction	2/22/2024	217	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	3/12/2024	11			
184/Y5	2/14/2024	5,000	Moisture Condition, Soil/Dirt Compaction	2/22/2024	317	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	3/12/2024	340			
179/Y6	2/14/2024	3,000	Moisture Condition, Soil/Dirt Compaction	2/22/2024	485	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	3/12/2024	4			
179/Y7	2/14/2024	4,600	Moisture Condition, Soil/Dirt Compaction	2/22/2024	480	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	3/12/2024	229			
154/Y51	2/14/2024	2,000	Moisture Condition, Soil/Dirt Compaction	2/22/2024	370	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	3/12/2024	316			
155/Y52	2/14/2024	2,000	Moisture Condition, Soil/Dirt Compaction	2/22/2024	396	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	3/12/2024	204			
152/Y53	2/14/2024	800	Moisture Condition, Soil/Dirt Compaction	2/22/2024	237	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	3/12/2024	79			
170/Y71	2/14/2024	1,198	Moisture Condition, Soil/Dirt Compaction	2/22/2024	415	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	3/12/2024	68			
171/Y72	2/14/2024	2,077	Moisture Condition, Soil/Dirt Compaction	2/22/2024	468	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	3/12/2024	16			
172/Y73	2/14/2024	564	Moisture Condition, Soil/Dirt Compaction	2/22/2024	196	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	3/12/2024	37			
173/Y74	2/14/2024	1,149	Moisture Condition, Soil/Dirt Compaction	2/22/2024	409	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	3/12/2024	83			
176/Y75	2/14/2024	1,329	Moisture Condition, Soil/Dirt Compaction	2/22/2024	477	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	3/12/2024	58			
158/Y61	2/14/2024	900	Moisture Condition, Soil/Dirt Compaction	2/22/2024	381	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	3/12/2024	123			
158/Y62	2/14/2024	700	Moisture Condition, Soil/Dirt Compaction	2/22/2024	264	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	3/12/2024	136			
169/Y63	2/14/2024	4,000	Moisture Condition, Soil/Dirt Compaction	2/22/2024	344	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	3/12/2024	148			
146/Y41	2/14/2024	500	Moisture Condition, Soil/Dirt Compaction	2/22/2024	190	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	3/12/2024	206			
146/Y42	2/14/2024	2,200	Moisture Condition, Soil/Dirt Compaction	2/22/2024	377	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	3/12/2024	334			
147/Y43	2/14/2024	500	Moisture Condition, Soil/Dirt Compaction	2/22/2024	288	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	3/12/2024	419			
147/Y44	2/14/2024	3,400	Moisture Condition, Soil/Dirt Compaction	2/22/2024	471	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	3/12/2024	104			
147/Y45	2/14/2024	500	Moisture Condition, Soil/Dirt Compaction	2/22/2024	92	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	3/12/2024	191			
148/Y46	2/14/2024	900	Moisture Condition, Soil/Dirt Compaction	2/22/2024	330	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	3/12/2024	18			
149/Y47	2/14/2024	500	Moisture Condition, Soil/Dirt Compaction	2/22/2024	144	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	3/12/2024	27			
149/Y48	2/14/2024	2,300	Moisture Condition, Soil/Dirt Compaction	2/22/2024	460	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	3/12/2024	219			
149/Y49	2/14/2024	4,890	Moisture Condition, Soil/Dirt Compaction	2/22/2024	368	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	3/12/2024	400			
149/Y50	2/14/2024	4,200	Moisture Condition, Soil/Dirt Compaction	2/22/2024	277	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	3/12/2024	39			
174/Y11	2/28/2024	500	Moisture Condition, Soil/Dirt Compaction	3/7/2024	281	NA	NA	NA	Postponed due to health and safety plan. Moisture Condition, Soil/Dirt Compaction	4/2/2024	304			
174/Y12	2/28/2024	600	Moisture Condition, Soil/Dirt Compaction	3/7/2024	117	NA	NA	NA	Postponed due to health and safety plan. Moisture Condition, Soil/Dirt Compaction	4/2/2024	100			
174/Y13	2/28/2024	4,500	Moisture Condition, Soil/Dirt Compaction	3/7/2024	396	NA	NA	NA	Postponed due to health and safety plan. Moisture Condition, Soil/Dirt Compaction	4/2/2024	401			

Grid	Initial Date	Initial Exceedance >500, 200-499, >25 (PPM)	10-Day Corrective Action	First Remonitoring Date (10-days)	PPM	2nd 10-Day Corrective Action	Second Remonitoring Date (10-days)	PPM	Monthly Corrective Action	Monthly Remonitoring Date	PPM	45-Day Corrective Action Deadline	45-Day Corrective Action	45-Day Corrective Action Date/Remonitoring Date	PPM
175/Y14	2/28/2024	1,600	Moisture Condition, Soil/Dirt Compaction	3/7/2024	410	NA	NA	NA	Postponed due to health and safety plan. Moisture Condition, Soil/Dirt Compaction	4/2/2024	412				
175/Y15	2/28/2024	9,500	Moisture Condition, Soil/Dirt Compaction	3/7/2024	374	NA	NA	NA	Postponed due to health and safety plan. Moisture Condition, Soil/Dirt Compaction	4/2/2024	396				
181/Y16	2/28/2024	3,700	Moisture Condition, Soil/Dirt Compaction	3/7/2024	250	NA	NA	NA	Postponed due to health and safety plan. Moisture Condition, Soil/Dirt Compaction	4/2/2024	225				
181/Y17	2/28/2024	900	Moisture Condition, Soil/Dirt Compaction	3/7/2024	179	NA	NA	NA	Postponed due to health and safety plan. Moisture Condition, Soil/Dirt Compaction	4/2/2024	109				
181/Y18	2/28/2024	3,200	Moisture Condition, Soil/Dirt Compaction	3/7/2024	388	NA	NA	NA	Postponed due to health and safety plan. Moisture Condition, Soil/Dirt Compaction	4/2/2024	321				
182/Y19	2/28/2024	500	Moisture Condition, Soil/Dirt Compaction	3/7/2024	200	NA	NA	NA	Postponed due to health and safety plan. Moisture Condition, Soil/Dirt Compaction	4/2/2024	80				
182/Y20	2/28/2024	1,300	Moisture Condition, Soil/Dirt Compaction	3/7/2024	244	NA	NA	NA	Postponed due to health and safety plan. Moisture Condition, Soil/Dirt Compaction	4/2/2024	80				
159/Y51	2/28/2024	2,760	Moisture Condition, Soil/Dirt Compaction	3/7/2024	464	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	3/26/2024	402				
159/Y52	2/28/2024	1,451	Moisture Condition, Soil/Dirt Compaction	3/7/2024	369	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	3/26/2024	310				
158/Y53	2/28/2024	2,276	Moisture Condition, Soil/Dirt Compaction	3/7/2024	382	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	3/26/2024	371				
158/Y54	2/28/2024	832	Moisture Condition, Soil/Dirt Compaction	3/7/2024	91	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	3/26/2024	61				
157/Y55	2/28/2024	7,460	Moisture Condition, Soil/Dirt Compaction	3/7/2024	194	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	3/26/2024	104				
156/Y56	2/28/2024	895	Moisture Condition, Soil/Dirt Compaction	3/7/2024	130	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	3/26/2024	122				
179/Y32	2/28/2024	1,000	Moisture Condition, Soil/Dirt Compaction	3/7/2024	278	NA	NA	NA	Postponed due to health and safety plan. Moisture Condition, Soil/Dirt Compaction	4/2/2024	225				
184/Y31	2/28/2024	700	Moisture Condition, Soil/Dirt Compaction	3/7/2024	368	NA	NA	NA	Postponed due to health and safety plan. Moisture Condition, Soil/Dirt Compaction	4/2/2024	310				
180/Y33	2/28/2024	1,200	Moisture Condition, Soil/Dirt Compaction	3/7/2024	292	NA	NA	NA	Postponed due to health and safety plan. Moisture Condition, Soil/Dirt Compaction	4/2/2024	211				
183/Y34	2/28/2024	1,500	Moisture Condition, Soil/Dirt Compaction	3/7/2024	330	NA	NA	NA	Postponed due to health and safety plan. Moisture Condition, Soil/Dirt Compaction	4/2/2024	300				
183/Y35	2/28/2024	2,000	Moisture Condition, Soil/Dirt Compaction	3/7/2024	343	NA	NA	NA	Postponed due to health and safety plan. Moisture Condition, Soil/Dirt Compaction	4/2/2024	296				
170/Y21	2/28/2024	2,000	Moisture Condition, Soil/Dirt Compaction	3/7/2024	227	NA	NA	NA	Postponed due to health and safety plan. Moisture Condition, Soil/Dirt Compaction	4/2/2024	231				
170/Y22	2/28/2024	3,000	Moisture Condition, Soil/Dirt Compaction	3/7/2024	396	NA	NA	NA	Postponed due to health and safety plan. Moisture Condition, Soil/Dirt Compaction	4/2/2024	321				
167/Y23	2/28/2024	600	Moisture Condition, Soil/Dirt Compaction	3/7/2024	141	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	3/26/2024	221				
167/Y24	2/28/2024	3,500	Moisture Condition, Soil/Dirt Compaction	3/7/2024	311	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	3/26/2024	276				
168/Y25	2/28/2024	7,000	Moisture Condition, Soil/Dirt Compaction	3/7/2024	469	NA	NA	NA	Postponed due to health and safety plan. Moisture Condition, Soil/Dirt Compaction	4/2/2024	421				
168/Y26	2/28/2024	1,300	Moisture Condition, Soil/Dirt Compaction	3/7/2024	388	NA	NA	NA	Postponed due to health and safety plan. Moisture Condition, Soil/Dirt Compaction	4/2/2024	416				
150/Y41	2/28/2024	2,500	Moisture Condition, Soil/Dirt Compaction	3/7/2024	216	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	3/26/2024	219				
152/Y42	2/28/2024	3,000	Moisture Condition, Soil/Dirt Compaction	3/7/2024	360	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	3/26/2024	310				
152/Y43	2/28/2024	1,500	Moisture Condition, Soil/Dirt Compaction	3/7/2024	240	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	3/26/2024	206				
152/Y44	2/28/2024	700	Moisture Condition, Soil/Dirt Compaction	3/7/2024	84	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	3/26/2024	101				
152/Y45	2/28/2024	2,000	Moisture Condition, Soil/Dirt Compaction	3/7/2024	402	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	3/26/2024	226				
153/Y46	2/28/2024	2,000	Moisture Condition, Soil/Dirt Compaction	3/7/2024	324	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	3/26/2024	310				
154/Y47	2/28/2024	1,500	Moisture Condition, Soil/Dirt Compaction	3/7/2024	321	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	3/26/2024	351				
150/Y41	3/13/2024	1,344	Moisture Condition, Soil/Dirt Compaction	3/20/2024	384	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	4/12/2024	38				
152/Y42	3/13/2024	1,072	Moisture Condition, Soil/Dirt Compaction	3/20/2024	291	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	4/12/2024	50				
152/Y43	3/13/2024	943	Moisture Condition, Soil/Dirt Compaction	3/20/2024	176	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	4/12/2024	37				
202/Y1	3/13/2024	3,000	Moisture Condition, Soil/Dirt Compaction	3/20/2024	311	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	4/12/2024	25				
203/Y2	3/13/2024	750	Moisture Condition, Soil/Dirt Compaction	3/20/2024	281	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	4/12/2024	112				
204/Y3	3/13/2024	1,000	Moisture Condition, Soil/Dirt Compaction	3/20/2024	170	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	4/12/2024	216				
167/Y11	3/13/2024	1,120	Moisture Condition, Soil/Dirt Compaction	3/20/2024	89	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	4/12/2024	70				
170/Y12	3/13/2024	9,230	Moisture Condition, Soil/Dirt Compaction	3/20/2024	79	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	4/12/2024	37				
176/Y13	3/13/2024	8,156	Moisture Condition, Soil/Dirt Compaction	3/20/2024	150	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	4/12/2024	230				
176/Y14	3/13/2024	8,346	Moisture Condition, Soil/Dirt Compaction	3/20/2024	137	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	4/12/2024	106				
186/Y21	3/13/2024	2,000	Moisture Condition, Soil/Dirt Compaction	3/20/2024	286	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	4/12/2024	204				
186/Y22	3/13/2024	700	Moisture Condition, Soil/Dirt Compaction	3/20/2024	316	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	4/12/2024	131.0				
186/Y23	3/13/2024	1,000	Moisture Condition, Soil/Dirt Compaction	3/20/2024	122	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	4/12/2024	25.2				
184/Y24	3/13/2024	2,000	Moisture Condition, Soil/Dirt Compaction	3/20/2024	176	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	4/12/2024	52.7				
184/Y25	3/13/2024	2,000	Moisture Condition, Soil/Dirt Compaction	3/20/2024	214	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	4/12/2024	91.4				
184/Y26	3/13/2024	1,000	Moisture Condition, Soil/Dirt Compaction	3/20/2024	371	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	4/12/2024	36.2				
172/Y27	3/13/2024	3,000	Moisture Condition, Soil/Dirt Compaction	3/20/2024	110	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	4/12/2024	25.8				
185/Y31	3/13/2024	10,000	Moisture Condition, Soil/Dirt Compaction	3/20/2024	167	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	4/12/2024	35.8				
156/Y32	3/13/2024	700	Moisture Condition, Soil/Dirt Compaction	3/20/2024	274	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	4/12/2024	13.5				
157/Y33	3/13/2024	800	Moisture Condition, Soil/Dirt Compaction	3/20/2024	129	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	4/12/2024	37.2				
157/Y34	3/13/2024	500	Moisture Condition, Soil/Dirt Compaction	3/20/2024	58	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	4/12/2024	41.5				
158/Y35	3/13/2024	7,000	Moisture Condition, Soil/Dirt Compaction	3/20/2024	401	NA	NA	NA	Moisture Condition, Soil/Dirt Compaction	4/12/2024	30.2				
98/Y31	3/26/2024	4,000	Moisture Condition, Soil/Dirt Compaction	4/3/2024	234	NA	NA	NA							
95/Y11	3/26/2024	10,000	Moisture Condition, Soil/Dirt Compaction	4/3/2024	479	NA	NA	NA							
234/Y1	3/26/2024	500	Moisture Condition, Soil/Dirt Compaction	4/3/2024	83	NA	NA	NA							
237/Y2	3/26/2024	600	Moisture Condition, Soil/Dirt Compaction	4/3/2024	40	NA	NA	NA							
249/Y3	3/26/2024	2,800	Moisture Condition, Soil/Dirt Compaction	4/3/2024	481	NA	NA	NA							
249/Y4	3/26/2024	3,623	Moisture Condition, Soil/Dirt Compaction	4/3/2024	399	NA	NA	NA							
171/Y11	3/27/2024	1,350	Moisture Condition, Soil/Dirt Compaction	4/3/2024	142	NA	NA	NA							
156/Y1	3/27/2024	900	Moisture Condition, Soil/Dirt Compaction	4/3/2024	137	NA	NA	NA							
156/Y2	3/27/2024	3,000	Moisture Condition, Soil/Dirt Compaction	4/3/2024	248	NA	NA	NA							
178/Y3	3/27/2024	4,000	Moisture Condition, Soil/Dirt Compaction	4/3/2024	110	NA	NA	NA							
166/Y21	3/27/2024	750	Moisture Condition, Soil/Dirt Compaction	4/3/2024	146	NA	NA	NA							
166/Y22	3/27/2024	5,000	Moisture Condition, Soil/Dirt Compaction	4/3/2024	152	NA	NA	NA							
166/Y23	3/27/2024	30,000	Moisture Condition, Soil/Dirt Compaction	4/3/2024	437	NA	NA	NA							

Grid	Initial Date	Initial Exceedance >500, 200-499, >25 (PPM)	10-Day Corrective Action	First Remonitoring Date (10-days)	PPM	2nd 10-Day Corrective Action	Second Remonitoring Date (10-days)	PPM	Monthly Corrective Action	Monthly Remonitoring Date	PPM	45-Day Corrective Action Deadline	45-Day Corrective Action	45-Day Corrective Action Date/Remonitoring Date	PPM
165/Y24	3/27/2024	3,400	Moisture Condition, Soil/Dirt Compaction	4/3/2024	231	NA	NA	NA							
165/Y25	3/27/2024	4,500	Moisture Condition, Soil/Dirt Compaction	4/3/2024	411	NA	NA	NA							
165/Y26	3/27/2024	6,000	Moisture Condition, Soil/Dirt Compaction	4/3/2024	234	NA	NA	NA							
152/Y31	3/27/2024	1,755	Moisture Condition, Soil/Dirt Compaction	4/3/2024	361	NA	NA	NA							
152/Y32	3/27/2024	641	Moisture Condition, Soil/Dirt Compaction	4/3/2024	345	NA	NA	NA							
159/Y41	3/27/2024	700	Moisture Condition, Soil/Dirt Compaction	4/3/2024	137	NA	NA	NA							
159/Y42	3/27/2024	10,000	Moisture Condition, Soil/Dirt Compaction	4/3/2024	241	NA	NA	NA							
154/Y43	3/27/2024	800	Moisture Condition, Soil/Dirt Compaction	4/3/2024	96	NA	NA	NA							
159/Y44	3/27/2024	10,000	Moisture Condition, Soil/Dirt Compaction	4/3/2024	396	NA	NA	NA							
149/Y51	3/27/2024	635	Moisture Condition, Soil/Dirt Compaction	4/3/2024	84	NA	NA	NA							



Attachment D

Daily Inlet Temperatures

## Attachment D - LFGTS Vessel Inlet Temperatures

March 2024

Date Time	Inlet Temperature (F)			
	ST-1	ST-2	ST-3	ST-4
03/01/2024 20:39	75	50	77	77
03/02/2024 00:00	NR	NR	NR	NR
03/03/2024 10:12	84	57	85	54
03/04/2024 14:05	109	73	107	NA
03/05/2024 18:47	102	75	99	74
03/06/2024 14:21	81	58	85	84
03/07/2024 00:00	NR	NR	NR	NR
03/08/2024 19:37	87	69	95	90
03/09/2024 08:00	84	44	91	88
03/10/2024 00:00	NR	NR	NR	NR
03/11/2024 11:00	99	52	108	92
03/12/2024 17:20	99	75	107	94
03/13/2024 20:24	77	54	63	82
03/14/2024 17:08	98	62	73	92
03/15/2024 17:21	93	60	69	92
03/16/2024 17:40	98	67	81	96
03/17/2024 22:32	90	52	65	90
03/18/2024 15:54	109	83	87	90
03/19/2024 16:34	110	77	111	96
03/20/2024 15:20	112	79	111	100
03/21/2024 14:51	109	75	112	98
03/22/2024 00:00	NR	NR	NR	NR
03/23/2024 11:10	83	55	87	89
03/24/2024 17:30	85	63	86	90
03/25/2024 08:32	80	49	81	88
03/26/2024 15:33	105	79	107	92
03/27/2024 17:17	101	84	106	93
03/28/2024 18:37	83	67	90	92
03/29/2024 09:24	58	64	93	91
03/30/2024 11:34	55	56	88	90
03/31/2024 16:33	70	71	90	92

NR: Not recorded

Attachment E

Wellhead Temperature and CO Concentration Data

Attachment E - Well Temperature Data  
March 2024

Point ID	Point Name	Record Date	Init Temp [°F]	Adj Temp [°F]
CHIWA001	A-01	3/21/2024 10:54:25 AM	80.1	76.4
CHIWA002	A-02	3/20/2024 2:26:42 PM	81.5	81.5
CHIWA003	A-03	3/20/2024 2:32:42 PM	89.8	89.9
CHIWA004	A-04	3/20/2024 2:37:23 PM	91.0	91.0
CHIWA005	A-05	3/20/2024 2:46:40 PM	81.4	81.2
CHIWB001	B-01	3/6/2024 9:32:36 AM	68.1	68.1
CHIWB02R	B-02R	3/6/2024 8:57:06 AM	65.3	65.3
CHIWB03R	B-03R	3/6/2024 9:14:35 AM	66.7	66.7
CHIWB005	B-05	3/11/2024 10:15:51 AM	77.7	77.7
CHIWB006	B-06	3/11/2024 11:13:43 AM	71.7	71.6
CHIWB07R	B-07R	3/11/2024 11:05:09 AM	77.5	77.7
CHIWB008	B-08	3/11/2024 10:27:19 AM	61.6	61.6
CHIWB009	B-09	3/11/2024 10:53:41 AM	82.7	82.7
CHIWB010	B-10	3/11/2024 10:37:41 AM	66.8	66.9
CHIWB011	B-11	3/18/2024 10:19:42 AM	87.0	87.0
CHIWB011	B-11	3/18/2024 4:47:38 PM	84.9	84.9
CHIWB012	B-12	3/6/2024 9:23:31 AM	81.3	81.3
CHIWB013	B-13	3/11/2024 11:22:05 AM	76.1	76.2
CHIWB013	B-13	3/11/2024 11:23:54 AM	78.1	78.2
CHIWB014	B-14	3/18/2024 10:26:09 AM	78.4	78.8
CHIWB014	B-14	3/18/2024 4:51:33 PM	80.1	80.6
CHIWC001	C-01	3/29/2024 5:17:15 PM	59.3	59.3
CHIWC003	C-03	3/21/2024 10:45:56 AM	89.1	85.7
CHIWC007	C-07	3/29/2024 5:41:44 PM	60.0	59.9
CHIWC008	C-08	3/21/2024 11:06:31 AM	92.3	91.0
CHIWC010	C-10	3/21/2024 11:14:59 AM	89.2	89.1
CHIWC012	C-12	3/15/2024 10:01:58 AM	74.6	73.9
CHIWC015	C-15	3/15/2024 9:54:45 AM	82.2	82.2
CHIWC016	C-16	3/31/2024 2:19:26 PM	68.4	68.4
CHIWC17A	C-17A	3/25/2024 11:34:10 AM	80.4	80.4
CHIWC17B	C-17B	3/25/2024 11:39:34 AM	69.2	68.9
CHIWC018	C-18	3/21/2024 11:35:36 PM	93.9	99.6
CHIWC019	C-19	3/25/2024 11:28:09 AM	70.6	71.0
CHIWC020	C-20	3/29/2024 6:00:42 PM	57.1	57.1
CHIWC023	C-23	3/21/2024 11:07:53 PM	89.6	90.2
CHIWC023	C-23	3/21/2024 11:47:26 PM	108.4	109.4
CHIWC025	C-25	3/31/2024 2:33:56 PM	71.5	76.2
CHIWC025	C-25	3/31/2024 2:35:58 PM	76.8	76.8
CHIWC026	C-26	3/15/2024 11:35:33 AM	87.5	87.6
CHIWC027	C-27	3/15/2024 9:47:36 AM	107.9	107.9
CHIWC028	C-28	3/31/2024 2:46:05 PM	96.5	96.5
CHIWC029	C-29	3/21/2024 11:36:25 AM	113.6	113.9
CHIWC030	C-30	3/21/2024 11:19:33 AM	128.4	128.8
CHIWCV02	CV-02	3/20/2024 3:13:49 PM	111.5	112.0
CHIWCV03	CV-03	3/20/2024 3:08:07 PM	118.3	118.3

Attachment E - Well Temperature Data  
March 2024

Point ID	Point Name	Record Date	Init Temp [°F]	Adj Temp [°F]
CHIWCV03	CV-03	3/20/2024 3:09:57 PM	118.3	118.3
CHIWCV04	CV-04	3/20/2024 3:03:25 PM	90.8	90.8
CHIWCV05	CV-05	3/20/2024 2:54:41 PM	100.0	100.0
CHIWCV06	CV-06	3/20/2024 3:26:11 PM	83.5	83.4
CHIWCV07	CV-07	3/20/2024 3:35:26 PM	82.9	83.0
CHIWCV08	CV-08	3/20/2024 3:45:41 PM	116.0	116.0
CHIWCV09	CV-09	3/20/2024 3:39:38 PM	123.6	123.6
CHWCV100	CV-100	3/4/2024 3:31:32 PM	115.2	115.2
CHWCV103	CV-103	3/4/2024 12:45:11 PM	106.7	106.8
CV108-52	CV-108-52	3/29/2024 2:54:59 PM	119.1	119.4
CHIWCV11	CV-11	3/25/2024 2:48:52 PM	78.6	78.6
CHWCV113	CV-113	3/26/2024 10:46:19 AM	71.2	71.8
CHWCV114	CV-114	3/29/2024 10:27:35 AM	127.3	127.4
CHCV1420	CV-1420	3/25/2024 11:16:00 AM	81.6	82.1
CHCV1421	CV-1421	3/4/2024 10:57:18 AM	109.4	109.5
CHCV1422	CV-1422	3/26/2024 11:15:21 AM	69.1	
CHCV1422	CV-1422	3/26/2024 11:18:59 AM	65.7	
CHCV1423	CV-1423	3/21/2024 2:10:43 PM	127.2	127.4
CHCV1424	CV-1424	3/7/2024 10:32:09 AM	98.7	98.7
CHCV1425	CV-1425	3/4/2024 10:36:51 AM	81.5	81.5
CHCV1426	CV-1426	3/4/2024 10:06:15 AM	100.5	100.5
CHCV1532	CV-1532	3/29/2024 2:38:48 PM	76.8	77.3
CCV1532A	CV-1532A	3/31/2024 8:57:10 AM	64.0	64.2
CCV1534A	CV-1534A-PLR	3/6/2024 12:09:17 PM	190.3	190.5
CCV1534A	CV-1534A-PLR	3/14/2024 1:42:29 PM	187.7	187.7
CCV1534A	CV-1534A-PLR	3/28/2024 10:25:48 AM	187.4	187.4
CHCV1535	CV-1535	3/29/2024 2:27:15 PM	126.5	127.8
CHCV1535	CV-1535	3/29/2024 2:27:20 PM	126.5	127.8
CHCV1535	CV-1535	3/29/2024 2:30:52 PM	128.1	128.2
CCV1601D	CV-1601D	3/28/2024 9:00:13 AM	78.7	78.9
CCV1601S	CV-1601S	3/28/2024 8:54:05 AM	102.4	102.5
CHCV1603	CV-1603	3/21/2024 10:12:01 AM	107.1	107.5
CHCV1604	CV-1604	3/21/2024 11:04:14 AM	123.6	123.6
CHCV1605	CV-1605	3/8/2024 11:12:49 AM	83.8	83.8
CHCV1606	CV-1606	3/21/2024 9:51:36 AM	98.8	98.7
CHCV1607	CV-1607	3/29/2024 9:50:20 AM	91.0	88.9
CCV1701D	CV-1701D	3/21/2024 3:02:00 PM	96.2	96.2
CCV1701S	CV-1701S	3/21/2024 2:53:30 PM	139.1	139.6
CCV1701S	CV-1701S	3/21/2024 2:56:31 PM	140.9	140.7
CHCV1703	CV-1703	3/27/2024 11:39:51 AM	121.7	122.6
CHCV1901	CV-1901	3/29/2024 9:29:18 AM	115.8	113.5
CCV1902A	CV-1902A	3/31/2024 3:06:42 PM	186.0	185.4
CHCV1903	CV-1903	3/27/2024 2:02:20 PM	67.2	67.3
CHCV1905	CV-1905	3/1/2024 11:12:42 AM	81.9	83.4
CHCV1906	CV-1906	3/4/2024 9:36:25 AM	69.3	69.5



Attachment E - Well Temperature Data  
March 2024

Point ID	Point Name	Record Date	Init Temp [°F]	Adj Temp [°F]
CHCV1906	CV-1906	3/4/2024 9:37:47 AM	71.6	72.0
CHCV1907	CV-1907	3/7/2024 11:23:05 AM	63.3	63.2
CHCV1907	CV-1907	3/7/2024 11:25:09 AM	62.7	62.7
CHCV2001	CV-2001	3/29/2024 10:43:55 AM	63.2	63.2
CHCV2001	CV-2001	3/29/2024 10:44:57 AM	62.9	62.9
CHCV2002	CV-2002	3/29/2024 12:39:29 PM	110.3	110.3
CHCV2003	CV-2003	3/29/2024 2:51:24 PM	126.2	126.3
CHCV2004	CV-2004	3/6/2024 11:58:34 AM	177.6	177.6
CHCV2006	CV-2006	3/28/2024 3:30:26 PM	135.0	135.0
CHCV2006	CV-2006	3/28/2024 3:31:46 PM	135.0	134.9
CHCV2007	CV-2007	3/21/2024 1:47:35 PM	118.3	120.0
CHCV2007	CV-2007	3/21/2024 2:06:14 PM	121.2	120.9
CHCV2008	CV-2008	3/21/2024 2:54:56 PM	105.2	104.9
CHCV2009	CV-2009	3/21/2024 3:21:17 PM	127.0	127.0
CCV2009A	CV-2009A	3/7/2024 10:15:40 AM	119.5	119.5
CHCV2010	CV-2010	3/20/2024 10:54:15 AM	121.8	122.0
CCV2010A	CV-2010A	3/25/2024 2:42:51 PM	129.9	129.9
CHCV2011	CV-2011	3/27/2024 11:08:13 AM	120.6	120.8
CCV2011A	CV-2011A	3/21/2024 2:16:41 PM	139.1	139.3
CCV2011A	CV-2011A	3/21/2024 2:21:08 PM	139.2	139.5
CCV2011A	CV-2011A	3/27/2024 11:49:26 AM	139.1	139.0
CHCV2012	CV-2012	3/21/2024 2:05:05 PM	134.2	134.2
CHCV2012	CV-2012	3/21/2024 2:09:49 PM	134.1	134.1
CHCV2201	CV-2201-PLR	3/7/2024 10:48:06 AM	201.0	201.0
CHCV2201	CV-2201-PLR	3/16/2024 11:14:05 AM	202.1	202.1
CHCV2201	CV-2201-PLR	3/21/2024 3:08:08 PM	202.9	202.9
CHCV2201	CV-2201-PLR	3/26/2024 10:58:06 AM	203.7	203.7
CHCV2201	CV-2201-PLR	3/30/2024 10:35:57 AM	202.0	202.0
CHCV2202	CV-2202	3/6/2024 12:47:15 PM	193.0	193.0
CHCV2202	CV-2202	3/15/2024 10:24:46 AM	193.8	193.8
CHCV2202	CV-2202	3/20/2024 2:37:15 PM	193.0	193.0
CHCV2202	CV-2202	3/26/2024 1:58:18 PM	193.0	193.0
CHCV2203	CV-2203-PLR	3/7/2024 11:15:15 AM	180.0	180.0
CHCV2203	CV-2203-PLR	3/14/2024 11:01:30 AM	181.3	181.5
CHCV2203	CV-2203-PLR	3/21/2024 4:20:52 PM	182.8	182.8
CHCV2204	CV-2204-PLR	3/7/2024 2:10:07 PM	193.8	193.8
CHCV2204	CV-2204-PLR	3/15/2024 8:45:49 AM	191.3	191.3
CHCV2204	CV-2204-PLR	3/20/2024 11:59:16 AM	192.3	192.3
CHCV2204	CV-2204-PLR	3/26/2024 10:11:31 AM	196.2	196.4
CHCV2204	CV-2204-PLR	3/30/2024 10:12:31 AM	193.3	193.3
CHCV2205	CV-2205	3/30/2024 2:04:40 PM	119.6	120.1
CHCV2206	CV-2206-PLR	3/7/2024 10:26:38 AM	193.0	193.0
CHCV2206	CV-2206-PLR	3/16/2024 11:04:18 AM	195.1	195.1
CHCV2206	CV-2206-PLR	3/21/2024 2:47:38 PM	193.0	193.0
CHCV2206	CV-2206-PLR	3/26/2024 1:26:25 PM	196.0	0.0

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Point ID	Point Name	Record Date	Init Temp [°F]	Adj Temp [°F]
CHCV2206	CV-2206-PLR	3/26/2024 1:37:09 PM	183.6	183.6
CHCV2207	CV-2207	3/25/2024 2:26:33 PM	119.1	119.7
CCV2208A	CV-2208A	3/27/2024 9:53:57 AM	129.3	129.3
CHCV2301	CV-2301	3/27/2024 11:48:13 AM	145.2	146.5
CHCV2301	CV-2301	3/27/2024 11:58:04 AM	145.3	145.3
CHCV2302	CV-2302	3/4/2024 3:44:49 PM	120.1	120.1
CHCV2302	CV-2302	3/27/2024 12:00:48 PM	102.8	103.0
CHCV2303	CV-2303	3/8/2024 8:02:38 AM	175.7	175.7
CHCV2303	CV-2303	3/14/2024 10:26:14 AM	165.5	165.4
CHCV2303	CV-2303	3/21/2024 4:31:28 PM	177.3	177.3
CHCV2303	CV-2303	3/26/2024 11:32:01 AM	180.0	180.0
CHCV2303	CV-2303	3/30/2024 10:47:05 AM	59.4	59.4
CHCV2304	CV-2304	3/6/2024 12:33:23 PM	180.2	180.4
CHCV2304	CV-2304	3/15/2024 9:59:27 AM	178.0	177.8
CHCV2304	CV-2304	3/20/2024 2:48:51 PM	178.6	178.4
CHCV2304	CV-2304	3/26/2024 1:50:02 PM	173.1	173.9
CHCV2305	CV-2305	3/7/2024 8:58:11 AM	124.0	124.0
CHCV2306	CV-2306	3/7/2024 10:10:49 AM	173.1	173.3
CHCV2306	CV-2306	3/14/2024 9:46:35 AM	151.5	152.7
CHCV2306	CV-2306	3/21/2024 2:07:00 PM	140.7	140.5
CHCV2306	CV-2306	3/26/2024 9:23:02 AM	76.6	76.7
CHCV2308	CV-2308-PLR	3/31/2024 9:51:13 AM	164.0	164.1
CHCV2310	CV-2310-PLR	3/7/2024 1:58:11 PM	193.0	193.0
CHCV2310	CV-2310-PLR	3/15/2024 9:44:59 AM	182.5	182.5
CHCV2310	CV-2310-PLR	3/28/2024 2:38:11 PM	187.2	187.2
CHCV2311	CV-2311	3/29/2024 10:11:56 AM	106.9	114.8
CHCV2311	CV-2311	3/29/2024 10:17:16 AM	116.6	116.6
CHCV2312	CV-2312	3/4/2024 12:28:08 PM	140.3	140.6
CHCV2312	CV-2312	3/4/2024 12:30:35 PM	140.6	140.6
CHCV2314	CV-2314	3/4/2024 9:49:20 AM	119.1	119.1
CHCV2315	CV-2315	3/4/2024 11:34:58 AM	120.9	121.0
CHCV2315	CV-2315	3/4/2024 11:36:25 AM	120.7	120.7
CHCV2316	CV-2316	3/26/2024 10:55:26 AM	138.7	139.1
CHCV2319	CV-2319	3/7/2024 10:03:52 AM	129.9	129.9
CHCV2319	CV-2319	3/7/2024 10:06:36 AM	130.0	130.1
CHCV2321	CV-2321	3/7/2024 10:50:20 AM	120.7	120.7
CHCV2322	CV-2322	3/7/2024 8:08:56 AM	187.9	187.9
CHCV2322	CV-2322	3/14/2024 11:26:28 AM	178.4	178.4
CHCV2322	CV-2322	3/20/2024 2:06:10 PM	181.5	181.5
CHCV2322	CV-2322	3/26/2024 2:42:32 PM	190.5	190.5
CHCV2324	CV-2324	3/25/2024 10:37:38 AM	116.4	117.9
CHCV2326	CV-2326	3/27/2024 2:24:55 PM	80.1	80.0
CHCV2327	CV-2327	3/7/2024 2:24:21 PM	161.6	161.6
CHCV2327	CV-2327	3/14/2024 11:32:21 AM	160.0	160.0
CHCV2327	CV-2327	3/20/2024 2:22:29 PM	161.9	162.0

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Point ID	Point Name	Record Date	Init Temp [°F]	Adj Temp [°F]
CHCV2327	CV-2327	3/26/2024 2:34:25 PM	161.7	162.0
CHCV2328	CV-2328	3/4/2024 2:16:43 PM	118.8	118.8
CHCV2333	CV-2333	3/26/2024 11:01:58 AM	129.8	129.8
CHCV2334	CV-2334	3/26/2024 10:52:30 AM	131.8	131.8
CHCV2335	CV-2335	3/29/2024 9:08:12 AM	106.9	106.7
CHCV2336	CV-2336	3/29/2024 9:17:29 AM	55.0	55.0
CHCV2337	CV-2337	3/29/2024 9:36:06 AM	63.8	63.8
CHCV2337	CV-2337	3/29/2024 9:37:23 AM	63.9	63.9
CHCV2338	CV-2338	3/6/2024 11:32:32 AM	174.8	174.4
CHCV2339	CV-2339	3/6/2024 11:22:47 AM	191.0	190.8
CHCV2341	CV-2341	3/29/2024 2:05:12 PM	146.9	146.7
CHCV2341	CV-2341	3/29/2024 2:08:49 PM	147.7	147.6
CCV2342A	CV-2342A-PLR	3/6/2024 11:54:21 AM	193.3	193.5
CCV2342A	CV-2342A-PLR	3/14/2024 2:08:18 PM	188.6	188.6
CCV2342A	CV-2342A-PLR	3/28/2024 9:41:28 AM	193.8	193.8
CHCV2343	CV-2343	3/29/2024 3:02:44 PM	111.9	112.6
CHCV2344	CV-2344	3/29/2024 3:09:26 PM	93.8	95.2
CHCV2345	CV-2345	3/29/2024 3:16:48 PM	117.7	117.7
CHCV2345	CV-2345	3/29/2024 3:19:45 PM	116.6	116.7
CHCV2346	CV-2346	3/29/2024 3:08:32 PM	122.0	121.0
CHCV2347	CV-2347	3/29/2024 3:01:58 PM	94.0	94.0
CHCV2348	CV-2348	3/29/2024 2:51:10 PM	116.1	116.4
CHCV2349	CV-2349	3/29/2024 2:47:55 PM	77.7	77.8
CHCV2350	CV-2350	3/29/2024 9:45:16 AM	62.9	62.8
CHCV2350	CV-2350	3/29/2024 9:50:49 AM	61.4	61.4
CHCV2350	CV-2350	3/29/2024 2:43:45 PM	99.0	99.0
CHCV2351	CV-2351	3/29/2024 9:55:19 AM	68.4	68.4
CHCV2352	CV-2352	3/31/2024 3:13:58 PM	66.0	66.0
CHCV2352	CV-2352	3/31/2024 3:15:05 PM	65.9	65.9
CHCV2353	CV-2353-PLR	3/6/2024 11:43:41 AM	194.3	194.1
CHCV2353	CV-2353-PLR	3/14/2024 2:38:58 PM	193.3	108.4
CHCV2353	CV-2353-PLR	3/28/2024 2:12:32 PM	187.9	187.9
CCV24006	CV-24006	3/27/2024 2:07:44 PM	123.1	123.1
CCV24007	CV-24007	3/27/2024 2:15:45 PM	126.8	126.8
CCV24007	CV-24007	3/27/2024 2:21:00 PM	116.3	115.9
CCV24008	CV-24008	3/22/2024 10:23:42 AM	116.4	117.0
CCV24009	CV-24009	3/20/2024 5:05:25 PM	124.2	124.2
CCV24010	CV-24010	3/25/2024 11:25:38 AM	95.4	96.8
CCV24013	CV-24013	3/6/2024 11:25:05 AM	86.7	0.0
CCV24013	CV-24013	3/6/2024 11:34:06 AM	86.7	86.7
CCV24015	CV-24015	3/25/2024 11:28:58 AM	111.5	113.6
CCV24022	CV-24022	3/6/2024 10:59:05 AM	155.8	155.9
CCV24022	CV-24022	3/15/2024 9:08:58 AM	162.0	162.0
CCV24022	CV-24022	3/21/2024 4:53:17 PM	166.8	166.8
CCV24022	CV-24022	3/26/2024 3:19:58 PM	170.7	170.8

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Point ID	Point Name	Record Date	Init Temp [°F]	Adj Temp [°F]
CCV24022	CV-24022	3/27/2024 2:21:03 PM	169.3	169.3
CCV24022	CV-24022	3/27/2024 2:24:22 PM	169.1	169.3
CCV24023	CV-24023	3/25/2024 11:51:28 AM	69.2	68.9
CCV24024	CV-24024-PLR	3/26/2024 11:35:41 AM	142.3	142.3
CCV24028	CV-24028	3/27/2024 2:42:33 PM	160.1	160.4
CCV24029	CV-24029	3/22/2024 10:39:55 AM	73.3	73.3
CCV24030	CV-24030	3/26/2024 11:10:30 AM	90.4	88.0
CCV24035	CV-24035	3/31/2024 8:48:20 AM	128.7	129.3
CCV24035	CV-24035	3/31/2024 11:38:08 AM	127.8	129.7
CCV24035	CV-24035	3/31/2024 11:43:06 AM	130.4	130.1
CCV24053	CV-24053	3/22/2024 11:07:52 AM	118.3	113.0
CCV24053	CV-24053	3/22/2024 11:10:11 AM	117.7	117.8
CCV24065	CV-24065	3/22/2024 10:55:08 AM	84.4	86.2
CCV24073	CV-24073	3/22/2024 11:03:25 AM	106.8	106.7
CCV24075	CV-24075	3/22/2024 9:06:26 AM	91.9	93.4
CCV24075	CV-24075	3/22/2024 9:06:26 AM	91.9	93.4
CCV24081	CV-24081	3/27/2024 11:39:03 AM	98.8	102.0
CCV24084	CV-24084	3/22/2024 11:24:16 AM	117.5	117.7
CCV24084	CV-24084	3/22/2024 11:24:16 AM	117.5	117.7
CCV24090	CV-24090	3/6/2024 11:03:05 AM	121.4	121.4
CCV24095	CV-24095	3/29/2024 12:18:53 PM	65.9	66.8
CCV24095	CV-24095	3/29/2024 12:20:50 PM	66.4	66.3
CCV24096	CV-24096	3/31/2024 8:32:00 AM	57.2	57.2
CCV24097	CV-24097	3/20/2024 5:20:16 PM	83.5	83.5
CCV24098	CV-24098	3/29/2024 12:30:30 PM	94.8	95.4
CCV24098	CV-24098	3/29/2024 12:34:53 PM	61.0	59.9
CCV24099	CV-24099	3/29/2024 12:25:21 PM	70.4	70.3
CCV24100	CV-24100	3/29/2024 10:28:56 AM	67.5	67.4
CCV24101	CV-24101	3/29/2024 10:24:34 AM	107.8	107.9
CCV24118	CV-24118	3/22/2024 3:24:29 PM	106.7	109.9
CCV24118	CV-24118	3/22/2024 3:24:29 PM	106.7	109.9
CCV24119	CV-24119	3/21/2024 8:50:49 AM	130.1	130.0
CCV24120	CV-24120	3/27/2024 2:57:11 PM	81.3	81.3
CCV24121	CV-24121	3/29/2024 8:36:57 AM	58.6	58.6
CCV24121	CV-24121	3/29/2024 8:39:15 AM	58.6	58.6
CCV24124	CV-24124	3/26/2024 10:56:19 AM	117.1	118.4
CCV24126	CV-24126	3/31/2024 11:26:40 AM	111.7	110.8
CCV24126	CV-24126	3/31/2024 11:30:18 AM	111.6	113.9
CCV24128	CV-24128	3/22/2024 11:53:04 AM	87.6	86.5
CCV24129	CV-24129	3/26/2024 10:36:55 AM	116.2	98.5
CCV24134	CV-24134	3/21/2024 3:01:05 PM	125.3	125.0
CCV24134	CV-24134	3/22/2024 3:06:36 PM	119.1	118.6
CCV24135	CV-24135	3/21/2024 2:38:14 PM	135.4	130.1
CCV24135	CV-24135	3/21/2024 2:49:43 PM	130.5	130.8
CCV24135	CV-24135	3/21/2024 2:51:20 PM	130.8	130.8

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Point ID	Point Name	Record Date	Init Temp [°F]	Adj Temp [°F]
CCV24136	CV-24136	3/21/2024 3:38:45 PM	114.2	113.3
CCV24136	CV-24136	3/22/2024 3:46:17 PM	110.2	111.5
CCV24136	CV-24136	3/22/2024 3:46:17 PM	110.2	111.5
CCV24137	CV-24137	3/25/2024 2:24:38 PM	85.0	85.1
CCV24138	CV-24138	3/29/2024 10:24:59 AM	62.7	62.5
CCV24138	CV-24138	3/29/2024 10:27:50 AM	61.9	61.4
CCV24139	CV-24139	3/29/2024 10:14:54 AM	74.7	75.2
CCV24139	CV-24139	3/29/2024 10:19:25 AM	77.2	77.2
CCV24140	CV-24140	3/29/2024 10:11:42 AM	93.9	93.9
CCV24141	CV-24141	3/31/2024 4:52:36 PM	51.2	51.1
CCV24141	CV-24141	3/31/2024 4:54:22 PM	50.8	50.8
CCV24142	CV-24142	3/29/2024 11:56:41 AM	70.3	69.8
CCV24143	CV-24143	3/29/2024 9:59:03 AM	60.2	60.0
CCV24143	CV-24143	3/29/2024 10:00:45 AM	59.2	59.2
CCV24144	CV-24144	3/31/2024 3:23:54 PM	64.0	63.9
CHIWCV25	CV-25	3/25/2024 12:04:27 PM	81.6	81.6
CHIWCV25	CV-25	3/25/2024 12:25:49 PM	88.1	88.1
CHICV33S	CV-33S	3/21/2024 8:45:04 AM	115.6	115.6
CHICV34D	CV-34D	3/25/2024 2:19:50 PM	80.9	80.9
CHICV34D	CV-34D	3/25/2024 2:29:01 PM	77.1	77.1
CHICV34S	CV-34S	3/25/2024 2:24:08 PM	77.9	77.9
CHICV34S	CV-34S	3/25/2024 2:26:04 PM	78.2	78.3
CHICV35D	CV-35D	3/21/2024 9:04:06 AM	68.9	69.0
CHICV35D	CV-35D	3/21/2024 9:06:37 AM	70.1	69.9
CHWCV48R	CV-48R	3/5/2024 12:04:59 PM	123.9	123.8
CHWCV49S	CV-49S	3/5/2024 11:56:59 AM	68.6	68.7
CHWCV49S	CV-49S	3/18/2024 9:48:16 AM	73.9	74.0
CHWCV49S	CV-49S	3/29/2024 2:52:32 PM	81.1	81.1
CHWCV49S	CV-49S	3/29/2024 2:53:32 PM	80.7	80.7
CHWCV52D	CV-52D	3/22/2024 11:20:02 AM	136.8	137.1
CHWCV53D	CV-53D	3/22/2024 11:10:24 AM	127.7	128.0
CHWCV53S	CV-53S	3/22/2024 11:15:48 AM	115.3	115.3
CHWCV54D	CV-54D	3/22/2024 11:01:06 AM	81.3	81.3
CHWCV54S	CV-54S	3/22/2024 11:03:28 AM	141.2	141.8
CHWCV55R	CV-55R	3/25/2024 2:50:31 PM	144.4	144.7
CHWCV55R	CV-55R	3/25/2024 3:02:25 PM	144.9	144.8
CHWCV55R	CV-55R	3/26/2024 4:59:03 PM	148.0	148.3
CHWCV56D	CV-56D	3/21/2024 2:31:51 PM	123.2	123.3
CHWCV56S	CV-56S	3/21/2024 2:27:25 PM	118.9	119.0
CHWCV57R	CV-57R	3/20/2024 1:55:47 PM	102.1	102.0
CHWCV57R	CV-57R	3/27/2024 11:11:51 AM	101.4	101.6
CHWCV74R	CV-74R	3/4/2024 12:19:52 PM	112.6	112.6
CHWCV79R	CV-79R	3/25/2024 11:30:38 AM	126.2	125.9
CHWCV85S	CV-85S	3/1/2024 2:13:32 PM	94.4	96.2
CHIWCV94	CV-94	3/20/2024 11:35:59 AM	95.0	94.9



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Point ID	Point Name	Record Date	Init Temp [°F]	Adj Temp [°F]
CHIWCV95	CV-95	3/20/2024 2:00:48 PM	104.1	106.1
CHIWCV95	CV-95	3/27/2024 11:15:00 AM	109.7	109.7
CHIWCV99	CV-99	3/29/2024 8:26:49 AM	107.4	106.9
CHIWD001	D-01	3/22/2024 11:53:37 AM	79.1	79.2
CHIWD002	D-02	3/29/2024 5:47:13 PM	82.9	82.9
CHIWD003	D-03	3/29/2024 5:27:45 PM	93.3	93.4
CHIWD004	D-04	3/29/2024 5:24:21 PM	85.6	85.5
CHIWD005	D-05	3/29/2024 5:20:40 PM	70.1	70.1
CHIWD006	D-06	3/29/2024 12:11:30 PM	86.5	86.3
CHIWD009	D-09	3/28/2024 11:43:01 AM	111.0	111.0
CHIWD010	D-10	3/25/2024 3:17:05 PM	81.0	81.0
CHIWH001	H-01 (EXP-01)	3/20/2024 9:56:10 AM	76.9	76.9
CHIWH002	H-02 (EXP-02)	3/20/2024 9:44:04 AM	98.4	98.2
CHIWH002	H-02 (EXP-02)	3/20/2024 9:44:05 AM	98.4	98.2
CHIWH003	H-03 (EXP-03)	3/20/2024 9:35:54 AM	117.9	117.9
CHIWH004	H-04 (EXP-04)	3/20/2024 9:47:13 AM	124.2	124.4
CHIWH004	H-04 (EXP-04)	3/20/2024 9:48:09 AM	124.5	124.5
CHIWH004	H-04 (EXP-04)	3/20/2024 9:48:10 AM	124.5	124.5
CHIWH006	H-06 (EXP-06)	3/27/2024 10:12:56 AM	75.9	75.8
CHIWH008	H-08 (EXP-08)	3/20/2024 9:16:11 AM	71.0	71.2
CHIWH008	H-08 (EXP-08)	3/20/2024 9:17:53 AM	73.4	73.5
CHIWH010	H-10 (EXP-10)	3/25/2024 11:16:28 AM	81.1	78.2
CHIH101W	H-101W	3/25/2024 11:39:40 AM	79.5	81.2
CHIH101W	H-101W	3/25/2024 11:45:12 AM	81.5	82.4
CHWH102A	H-102A	3/25/2024 2:28:35 PM	78.0	78.1
CHWH104A	H-104A	3/25/2024 2:19:05 PM	75.2	75.1
CHWH104A	H-104A	3/25/2024 2:24:24 PM	71.7	72.1
CHIWH012	H-12 (EXP-12)	3/25/2024 11:05:33 AM	76.2	76.2
CHIWH013	H-13 (EXP-13)	3/25/2024 10:41:40 AM	67.1	67.2
CHIWH014	H-14 (EXP-14)	3/26/2024 11:24:11 AM	119.4	119.4
CHH1401W	H-1401W	3/25/2024 2:35:55 PM	91.9	91.8
CHH1402C	H-1402C	3/30/2024 2:27:22 PM	118.0	118.0
CHH1403W	H-1403W	3/29/2024 3:16:29 PM	89.7	89.7
CHH1404C	H-1404C	3/8/2024 9:11:46 AM	114.8	114.7
CHH1405C	H-1405C	3/8/2024 9:56:07 AM	103.1	103.1
CHH1405E	H-1405E	3/4/2024 2:47:50 PM	112.4	112.4
CHH1405W	H-1405W	3/31/2024 8:19:08 AM	57.2	57.3
CHH1405W	H-1405W	3/31/2024 8:20:07 AM	57.4	57.4
CHH1406W	H-1406W	3/29/2024 12:21:54 PM	64.1	64.1
CH1408CR	H-1408CR	3/22/2024 2:05:32 AM	113.7	112.9
CHH1408E	H-1408E	3/1/2024 9:50:29 AM	96.9	97.8
CHH1408W	H-1408W	3/25/2024 3:10:36 PM	108.7	108.0
CHH1409N	H-1409N	3/1/2024 10:07:35 AM	84.3	84.3
CHH1409N	H-1409N	3/25/2024 1:56:46 PM	91.8	91.8
CHH1410S	H-1410S	3/21/2024 10:17:36 AM	81.4	82.4

Attachment E - Well Temperature Data  
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Point ID	Point Name	Record Date	Init Temp [°F]	Adj Temp [°F]
CHH1551C	H-1551C	3/29/2024 2:48:10 PM	99.2	99.3
CHH1560N	H-1560N	3/29/2024 12:14:01 PM	63.2	63.1
CHH1560S	H-1560S	3/29/2024 3:00:46 PM	96.4	96.7
CHH1561C	H-1561C	3/29/2024 2:44:23 PM	105.7	106.6
CHH1563N	H-1563N	3/4/2024 3:24:51 PM	116.0	116.0
CHH1563S	H-1563S	3/8/2024 9:59:39 AM	109.5	109.6
CHH1564N	H-1564N	3/4/2024 2:55:16 PM	102.4	102.5
CHH1565C	H-1565C	3/4/2024 2:08:16 PM	111.7	111.7
CHH1565E	H-1565E	3/1/2024 10:32:22 AM	92.1	92.3
CHH1568N	H-1568N	3/1/2024 10:26:32 AM	82.3	82.2
CHH1568S	H-1568S	3/8/2024 8:41:19 AM	96.3	96.3
CHH1569S	H-1569S	3/8/2024 8:24:12 AM	90.9	90.9
CHH1569S	H-1569S	3/25/2024 1:43:11 PM	93.6	93.8
CHH1571S	H-1571S	3/21/2024 11:09:44 AM	120.2	120.4
CHH1572N	H-1572N	3/25/2024 11:15:29 AM	125.8	125.8
CHH1572S	H-1572S	3/21/2024 10:43:21 AM	115.6	115.7
CHH1573S	H-1573S	3/21/2024 9:32:30 AM	66.4	67.0
CHH1573S	H-1573S	3/21/2024 9:38:08 AM	64.4	64.5
CHH1574N	H-1574N	3/31/2024 8:10:05 AM	106.9	107.1
CHH1574N	H-1574N	3/31/2024 8:12:08 AM	106.9	107.2
CHH1574N	H-1574N	3/31/2024 4:30:19 PM	106.4	106.4
CHH1574S	H-1574S	3/29/2024 10:15:03 AM	115.2	115.1
CHH1574S	H-1574S	3/31/2024 3:30:40 PM	117.2	77.9
CHH1575	H-1575	3/25/2024 2:41:20 PM	76.8	77.0
CHH1752N	H-1752N	3/4/2024 4:07:15 PM	95.9	96.5
CHH1753N	H-1753N	3/27/2024 12:18:55 PM	103.5	105.2
CHH1753S	H-1753S	3/4/2024 3:19:13 PM	110.1	110.1
CHH1754N	H-1754N	3/27/2024 12:24:55 PM	102.7	103.6
CHH1754S	H-1754S	3/4/2024 2:27:15 PM	70.4	70.4
CHH1755S	H-1755S	3/29/2024 2:39:11 PM	69.5	69.6
CHH1755S	H-1755S	3/29/2024 2:39:46 PM	69.3	69.4
CHH1756S	H-1756S	3/8/2024 10:14:03 AM	119.4	119.4
CHH1757N	H-1757N	3/6/2024 11:13:32 AM	151.5	151.5
CHH1757N	H-1757N	3/15/2024 10:39:46 AM	153.2	153.3
CHH1757S	H-1757S	3/8/2024 9:52:33 AM	113.0	113.0
CH1758NR	H-1758NR	3/4/2024 3:13:48 PM	122.7	122.8
CHH1760N	H-1760N	3/4/2024 8:55:00 AM	65.7	66.3
CHH1760S	H-1760S	3/4/2024 8:40:56 AM	98.9	99.0
CHH1762N	H-1762N	3/1/2024 10:38:59 AM	66.3	65.8
CHH1763N	H-1763N	3/1/2024 11:05:12 AM	114.7	114.7
CHH1763S	H-1763S	3/7/2024 2:54:23 PM	122.3	122.3
CHH1764N	H-1764N	3/7/2024 2:19:49 PM	100.2	100.9
CHH1764N	H-1764N	3/7/2024 2:21:54 PM	101.0	101.0
CHH1764S	H-1764S	3/7/2024 3:00:25 PM	79.3	80.9
CHH1764S	H-1764S	3/8/2024 11:20:45 AM	91.5	91.5

Attachment E - Well Temperature Data  
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Point ID	Point Name	Record Date	Init Temp [°F]	Adj Temp [°F]
CHH1764S	H-1764S	3/21/2024 11:13:41 AM	89.7	91.0
CHH1766S	H-1766S	3/31/2024 8:23:31 AM	67.0	67.0
CHH1767N	H-1767N	3/21/2024 9:18:07 AM	102.9	103.3
CHH1767N	H-1767N	3/21/2024 9:25:57 AM	103.4	103.6
CHH1767S	H-1767S	3/21/2024 9:46:15 AM	77.4	77.5
CHH1767S	H-1767S	3/21/2024 9:48:07 AM	78.2	78.3
CHH1768N	H-1768N	3/7/2024 10:50:43 AM	124.3	124.4
CHH1769A	H-1769A	3/27/2024 2:57:38 PM	77.1	77.1
CHH1769B	H-1769B	3/4/2024 3:57:32 PM	102.2	102.2
CHH1769N	H-1769N	3/6/2024 11:15:03 AM	99.1	99.1
CHH1769S	H-1769S	3/8/2024 9:25:30 AM	102.6	102.7
CHH1770A	H-1770A	3/27/2024 1:53:23 PM	138.9	138.8
CHH1770S	H-1770S	3/29/2024 2:41:36 PM	107.2	112.1
CHH1770S	H-1770S	3/29/2024 2:43:43 PM	112.6	112.5
CHH1771A	H-1771A	3/21/2024 2:20:58 PM	109.5	110.3
CHH1771B	H-1771B	3/4/2024 11:16:09 AM	74.4	74.4
CHH1771N	H-1771N	3/4/2024 10:13:01 AM	94.9	95.1
CHH1772A	H-1772A	3/26/2024 10:32:48 AM	76.9	77.1
CHH1772B	H-1772B	3/25/2024 11:00:35 AM	100.5	101.0
CHH1772C	H-1772C	3/4/2024 10:20:30 AM	68.5	68.5
CHH1772C	H-1772C	3/4/2024 10:22:00 AM	69.6	69.6
CHH1772N	H-1772N	3/4/2024 10:32:02 AM	68.3	68.7
CHH1773A	H-1773A	3/26/2024 11:31:10 AM	158.1	158.1
CHH1773B	H-1773B	3/20/2024 4:26:43 PM	84.1	84.1
CHH1773C	H-1773C	3/4/2024 12:14:10 PM	112.3	112.3
CHH1773N	H-1773N	3/4/2024 12:02:53 PM	70.0	70.1
CHH1774S	H-1774S	3/29/2024 3:05:49 PM	69.2	68.7
CHH1801S	H-1801S	3/27/2024 11:28:43 AM	132.0	132.0
CHH1802N	H-1802N	3/7/2024 10:44:37 AM	107.4	107.4
CHH1802S	H-1802S	3/25/2024 11:21:30 AM	119.6	119.7
CHH1803N	H-1803N	3/6/2024 10:40:20 AM	173.0	173.0
CHH1803N	H-1803N	3/14/2024 8:54:14 AM	180.0	180.0
CHH1803N	H-1803N	3/20/2024 9:02:09 AM	173.0	173.0
CHH1803N	H-1803N	3/26/2024 4:44:33 PM	181.1	181.1
CHH1804A	H-1804A	3/4/2024 11:09:15 AM	113.9	113.9
CHH1804B	H-1804B	3/27/2024 11:40:12 AM	95.9	95.8
CHH1804N	H-1804N	3/21/2024 3:08:02 PM	101.1	101.1
CHH1804S	H-1804S	3/7/2024 2:26:56 PM	101.1	101.1
CHH1805A	H-1805A	3/7/2024 10:36:17 AM	123.4	123.4
CHH1805B	H-1805B	3/7/2024 11:38:31 AM	105.7	105.7
CHH1805S	H-1805S	3/25/2024 11:45:49 AM	130.7	130.7
CHH1806A	H-1806A	3/25/2024 2:22:15 PM	116.6	116.9
CHH1806B	H-1806B	3/25/2024 11:09:48 AM	108.3	108.7
CHH1806N	H-1806N	3/21/2024 3:47:36 PM	125.0	125.3
CHH1806S	H-1806S	3/20/2024 2:33:35 PM	82.7	82.7

Attachment E - Well Temperature Data  
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Point ID	Point Name	Record Date	Init Temp [°F]	Adj Temp [°F]
CHH1806S	H-1806S	3/21/2024 11:56:53 AM	82.4	82.9
CHH1807A	H-1807A	3/21/2024 1:57:40 PM	105.2	105.4
CHH1807N	H-1807N	3/26/2024 10:18:59 AM	117.1	117.1
CHH1807S	H-1807S	3/27/2024 10:31:35 AM	78.2	78.3
CHH1951W	H-1951W	3/21/2024 10:05:57 AM	82.7	83.0
CHH1952C	H-1952C	3/4/2024 11:57:11 AM	78.1	78.2
CHH1952N	H-1952N	3/25/2024 3:17:37 PM	129.6	130.1
CHH1952S	H-1952S	3/27/2024 12:07:26 PM	113.0	113.0
CHH1953C	H-1953C	3/4/2024 10:44:24 AM	80.6	80.8
CHH1953N	H-1953N	3/25/2024 3:12:37 PM	118.0	118.1
CHH1953S	H-1953S	3/27/2024 12:01:41 PM	98.6	98.7
CHH1954C	H-1954C	3/4/2024 11:04:02 AM	115.7	115.6
CHH1954N	H-1954N	3/25/2024 3:08:55 PM	83.6	83.4
CHH1955C	H-1955C	3/26/2024 11:42:32 AM	113.4	113.5
CHH1955N	H-1955N	3/21/2024 3:14:23 PM	80.1	76.6
CHH1956B	H-1956B	3/7/2024 11:03:42 AM	63.3	64.0
CHH1956B	H-1956B	3/7/2024 11:07:46 AM	67.7	67.8
CHH1956N	H-1956N	3/6/2024 11:36:44 AM	0.0	0.0
CHH1956N	H-1956N	3/21/2024 3:32:33 PM	110.7	111.5
CHH1956S	H-1956S	3/25/2024 11:38:51 AM	94.6	94.6
CHH1957A	H-1957A	3/20/2024 11:19:13 AM	77.5	77.5
CHH1957A	H-1957A	3/20/2024 11:22:57 AM	77.5	77.5
CHH1957B	H-1957B	3/25/2024 10:45:39 AM	98.5	96.7
CHH1957N	H-1957N	3/21/2024 3:43:08 PM	108.0	110.2
CHH1957S	H-1957S	3/27/2024 11:34:55 AM	89.0	90.2
CHH1958C	H-1958C	3/21/2024 1:51:45 PM	107.6	115.7
CHH1958N	H-1958N	3/26/2024 10:23:27 AM	126.3	126.2
CHH1958S	H-1958S	3/27/2024 11:19:21 AM	118.0	118.0
CHH1962A	H-1962A	3/27/2024 1:57:10 PM	81.3	81.1
CHH1962A	H-1962A	3/27/2024 1:58:15 PM	79.0	79.0
CHH1962N	H-1962N	3/7/2024 1:32:30 PM	157.3	157.4
CHH1962N	H-1962N	3/14/2024 9:50:50 AM	156.9	156.9
CHH1962N	H-1962N	3/20/2024 10:47:51 AM	160.8	160.8
CHH1962S	H-1962S	3/29/2024 2:15:01 PM	173.3	173.3
CHH1963A	H-1963A	3/27/2024 2:48:43 PM	88.0	88.0
CHH1963N	H-1963N	3/6/2024 11:07:36 AM	144.8	145.0
CHH1963N	H-1963N	3/6/2024 11:11:26 AM	145.5	145.5
CHH1963N	H-1963N	3/15/2024 10:59:19 AM	141.4	141.5
CHH1964C	H-1964C	3/27/2024 12:29:18 PM	110.1	108.2
CHH1964C	H-1964C	3/27/2024 12:31:23 PM	110.6	109.9
CHH1964N	H-1964N	3/26/2024 11:57:57 AM	134.8	134.9
CHH1964S	H-1964S	3/4/2024 2:40:32 PM	102.3	102.3
CHH1964S	H-1964S	3/4/2024 2:41:48 PM	102.2	102.2
CHH1965C	H-1965C	3/27/2024 12:18:46 PM	118.0	118.8
CHH1965S	H-1965S	3/4/2024 9:02:22 AM	59.1	59.0

Attachment E - Well Temperature Data  
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Point ID	Point Name	Record Date	Init Temp [°F]	Adj Temp [°F]
CHH1965S	H-1965S	3/4/2024 9:03:58 AM	57.7	57.7
CHH1967E	H-1967E	3/25/2024 3:31:25 PM	76.8	75.8
CHH1967E	H-1967E	3/25/2024 3:34:34 PM	74.7	74.6
CHH1967W	H-1967W	3/25/2024 10:45:15 AM	97.6	97.7
CHH1967W	H-1967W	3/25/2024 10:49:56 AM	97.7	97.7
CHH2051W	H-2051W	3/25/2024 11:01:48 AM	97.9	97.8
CHH2052W	H-2052W	3/31/2024 7:56:23 AM	120.2	120.3
CHH2053E	H-2053E	3/25/2024 3:26:40 PM	120.1	120.1
CHH2053W	H-2053W	3/25/2024 2:01:48 PM	103.5	103.4
CHH2054W	H-2054W	3/29/2024 10:06:31 AM	110.7	110.7
CHH2055E	H-2055E	3/8/2024 11:00:11 AM	102.9	102.9
CHH2056W	H-2056W	3/25/2024 11:08:26 AM	108.7	108.8
CHH2057E	H-2057E	3/25/2024 3:38:48 PM	124.0	124.4
CHH2057W	H-2057W	3/25/2024 11:25:04 AM	120.4	120.4
CHH2058E	H-2058E	3/28/2024 11:47:20 AM	114.0	114.0
CHH2058W	H-2058W	3/25/2024 11:14:30 AM	109.1	109.1
CHH2059W	H-2059W	3/25/2024 2:48:45 PM	120.9	120.9
CHH2059W	H-2059W	3/25/2024 2:51:31 PM	120.9	120.9
CHH2160E	H-2160E	3/21/2024 10:29:00 AM	117.7	117.9
CHH2160E	H-2160E	3/29/2024 3:27:07 PM	118.5	118.5
CHH2161W	H-2161W	3/25/2024 2:59:00 PM	120.7	120.9
CHH2162B	H-2162B	3/8/2024 10:47:03 AM	103.7	104.1
CHH2162B	H-2162B	3/28/2024 8:34:25 AM	105.3	105.5
CHH2162W	H-2162W	3/29/2024 10:19:08 AM	119.7	119.9
CHH2163C	H-2163C	3/28/2024 9:02:46 AM	108.2	108.4
CHH2163E	H-2163E	3/21/2024 10:34:37 AM	107.6	107.6
CHH2163W	H-2163W	3/25/2024 3:23:07 PM	111.1	111.2
CHH2164A	H-2164A	3/8/2024 10:37:22 AM	113.8	113.9
CHH2164A	H-2164A	3/28/2024 8:42:48 AM	113.6	113.7
CHH2164B	H-2164B	3/8/2024 10:51:56 AM	110.9	110.9
CHH2164E	H-2164E	3/8/2024 11:08:37 AM	123.5	124.0
CHH2165E	H-2165E	3/21/2024 9:58:49 AM	114.5	114.6
CHH2165W	H-2165W	3/29/2024 10:31:52 AM	124.7	124.8
CHH2166A	H-2166A	3/4/2024 11:23:23 AM	69.6	69.6
CHH2166C	H-2166C	3/7/2024 10:23:40 AM	110.7	110.7
CHH2166E	H-2166E	3/20/2024 11:00:08 AM	110.3	110.3
CHH2166W	H-2166W	3/4/2024 11:47:03 AM	79.7	82.2
CHH2166W	H-2166W	3/4/2024 11:48:21 AM	82.6	82.4
CHH2167A	H-2167A	3/4/2024 9:59:01 AM	102.6	102.6
CHH2167B	H-2167B	3/26/2024 11:50:44 AM	82.0	
CHH2167E	H-2167E	3/20/2024 11:29:30 AM	80.1	80.3
CHH2167W	H-2167W	3/4/2024 12:07:33 PM	71.5	71.5
CHH2168A	H-2168A	3/4/2024 9:43:16 AM	70.7	70.8
CHH2168C	H-2168C	3/7/2024 10:56:29 AM	68.6	68.6
CHH2168E	H-2168E	3/20/2024 11:53:45 AM	108.4	108.4



Attachment E - Well Temperature Data  
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Point ID	Point Name	Record Date	Init Temp [°F]	Adj Temp [°F]
CHH2169B	H-2169B	3/4/2024 9:28:45 AM	103.3	102.4
CHH2169C	H-2169C	3/7/2024 11:30:46 AM	88.2	88.2
CHH2169E	H-2169E	3/25/2024 11:01:31 AM	113.0	113.0
CHH2169W	H-2169W	3/4/2024 12:37:46 PM	75.8	75.7
CHH2170N	H-2170N	3/27/2024 10:52:51 AM	115.5	115.5
CHH2170S	H-2170S	3/20/2024 3:16:20 PM	85.7	85.7
CHH2171A	H-2171A	3/27/2024 10:33:45 AM	101.2	101.3
CHH2171B	H-2171B	3/25/2024 12:17:09 PM	113.3	113.3
CHH2171S	H-2171S	3/27/2024 10:49:11 AM	118.2	118.2
CHH2272C	H-2272C	3/8/2024 10:41:12 AM	124.9	124.9
CHH2272C	H-2272C	3/21/2024 11:27:13 AM	124.9	124.5
CHH2272C	H-2272C	3/28/2024 8:39:45 AM	107.8	112.6
CHH2272W	H-2272W	3/29/2024 10:10:21 AM	99.6	99.5
CHH2273C	H-2273C	3/8/2024 8:57:34 AM	115.0	115.0
CHH2273W	H-2273W	3/8/2024 10:25:21 AM	125.3	125.5
CHH2274B	H-2274B	3/8/2024 8:33:40 AM	113.7	113.6
CHH2274E	H-2274E	3/21/2024 10:48:17 AM	82.6	82.2
CHH2274W	H-2274W	3/8/2024 10:06:49 AM	123.9	123.9
CHH2275C	H-2275C	3/8/2024 9:04:09 AM	108.4	108.4
CHH2275E	H-2275E	3/7/2024 2:49:01 PM	111.9	111.9
CHH2275W	H-2275W	3/8/2024 10:31:36 AM	110.7	110.8
CHH2276A	H-2276A	3/1/2024 9:56:31 AM	95.3	96.6
CHH2276A	H-2276A	3/4/2024 8:47:11 AM	79.9	84.7
CHH2276B	H-2276B	3/25/2024 2:03:23 PM	101.0	101.0
CHH2276E	H-2276E	3/25/2024 11:53:33 AM	116.6	116.7
CHH2276W	H-2276W	3/8/2024 9:48:53 AM	87.1	88.6
CHH2277B	H-2277B	3/1/2024 10:17:27 AM	91.1	91.2
CHH2277E	H-2277E	3/1/2024 10:46:43 AM	93.9	93.2
CHH2277E	H-2277E	3/25/2024 2:09:54 PM	102.4	102.5
CHH2277W	H-2277W	3/8/2024 9:41:42 AM	124.5	124.5
CHIWH023	H-23 (EXP-23)	3/25/2024 12:40:35 PM	81.4	81.4
CHH2301E	H-2301E	3/31/2024 11:09:39 AM	67.0	67.2
CHH2301E	H-2301E	3/31/2024 11:10:30 AM	67.6	67.5
CHH2304S	H-2304S	3/31/2024 11:26:30 AM	116.1	116.1
CHH2305S	H-2305S	3/31/2024 11:15:39 AM	114.6	114.7
CHH2307S	H-2307S	3/31/2024 11:43:24 AM	77.7	78.8
CHH2307S	H-2307S	3/31/2024 11:44:30 AM	80.1	80.1
CHH2309S	H-2309S	3/31/2024 11:36:07 AM	100.5	100.5
CHIWH029	H-29	3/27/2024 10:44:14 AM	116.9	116.9
CHIWH031	H-31	3/27/2024 10:23:27 AM	91.3	91.4
CHIWH048	H-48	3/28/2024 10:43:07 AM	81.3	81.2
CHIWH048	H-48	3/28/2024 10:48:06 AM	76.6	76.5
CHIWH051	H-51	3/29/2024 11:20:11 AM	67.2	67.9
CHIWH052	H-52	3/29/2024 11:03:19 AM	77.1	77.1
CHIWH053	H-53	3/29/2024 10:56:25 AM	108.6	108.5

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Point ID	Point Name	Record Date	Init Temp [°F]	Adj Temp [°F]
CHIWH059	H-59	3/28/2024 11:02:35 AM	0.0	0.0
CHIWH060	H-60	3/29/2024 11:08:34 AM	78.8	79.1
CHIWH067	H-67	3/27/2024 12:44:14 PM	82.4	82.5
CHIWH072	H-72	3/5/2024 12:10:24 PM	82.0	81.5
CHIWH072	H-72	3/5/2024 12:15:59 PM	79.2	79.2
CHIWH77A	H-77A	3/29/2024 11:49:22 AM	62.3	61.0
CHIWH078	H-78	3/29/2024 11:31:29 AM	65.1	85.2
CHIWH078	H-78	3/29/2024 11:35:27 AM	86.1	86.1
CHIWH78A	H-78A	3/28/2024 11:25:44 AM	90.0	90.0
CHIWH079	H-79	3/21/2024 2:38:15 PM	133.0	133.2
CHIWH079	H-79	3/21/2024 2:45:06 PM	132.9	133.0
CHIWP002	P-02	3/4/2024 3:38:48 PM	0.0	0.0
CHIWP002	P-02	3/18/2024 2:12:32 PM	94.5	94.5
CHIWP02R	P-02R	3/4/2024 3:33:14 PM	0.0	0.0
CHIWP02R	P-02R	3/18/2024 2:08:06 PM	85.6	85.7
CHIWP03R	P-03R	3/12/2024 5:58:00 PM	68.4	74.5
CHIWP004	P-04	3/12/2024 6:01:25 PM	74.2	74.2
CHIWP005	P-05	3/12/2024 6:05:06 PM	99.7	99.7
CHIWP06R	P-06R	3/4/2024 3:59:22 PM	0.0	0.0
CHIWP06R	P-06R	3/18/2024 2:19:12 PM	107.8	107.9
CHIWP07R	P-07R	3/19/2024 3:27:15 PM	84.5	84.5
CHIWP08R	P-08R	3/12/2024 6:12:02 PM	91.4	91.4
CHIWP009	P-09	3/4/2024 5:31:43 PM	0.0	0.0
CHIWP009	P-09	3/18/2024 2:28:42 PM	95.5	95.5
CHIWP010	P-10	3/4/2024 5:28:05 PM	0.0	0.0
CHIWP010	P-10	3/18/2024 2:24:07 PM	83.3	83.2
CHIWP011	P-11	3/12/2024 3:27:08 PM	107.3	107.3
CHIWP012	P-12	3/12/2024 3:32:44 PM	71.5	71.5
CHIWP013	P-13	3/4/2024 4:11:44 PM	0.0	0.0
CHIWP013	P-13	3/18/2024 2:36:29 PM	73.1	73.1
CHIWP014	P-14	3/4/2024 5:20:22 PM	0.0	0.0
CHIWP014	P-14	3/18/2024 2:41:29 PM	72.1	72.0
CHIWP15R	P-15R	3/4/2024 3:37:07 PM	0.0	0.0
CHIWP15R	P-15R	3/18/2024 2:46:54 PM	76.8	76.7
CHIWP016	P-16	3/4/2024 3:51:29 PM	0.0	0.0
CHIWP016	P-16	3/18/2024 2:52:38 PM	98.0	98.0
CHIWP017	P-17	3/4/2024 3:42:21 PM	0.0	0.0
CHIWP017	P-17	3/18/2024 2:58:00 PM	95.3	95.4
CHIP18RD	P-18RD	3/4/2024 4:00:54 PM	0.0	0.0
CHIP18RD	P-18RD	3/18/2024 3:11:05 PM	77.4	77.4
CHIP18RS	P-18RS	3/4/2024 3:57:56 PM	0.0	0.0
CHIP18RS	P-18RS	3/18/2024 3:03:31 PM	86.0	86.0
CHIWP019	P-19	3/4/2024 4:06:19 PM	0.0	0.0
CHIWP019	P-19	3/18/2024 3:16:58 PM	81.9	81.9
CHIWP20R	P-20R	3/4/2024 4:13:12 PM	0.0	0.0

Attachment E - Well Temperature Data  
March 2024

Point ID	Point Name	Record Date	Init Temp [°F]	Adj Temp [°F]
CHIWP20R	P-20R	3/18/2024 3:22:57 PM	85.2	85.2
CHIWP021	P-21	3/4/2024 4:16:21 PM	0.0	0.0
CHIWP021	P-21	3/19/2024 11:59:01 AM	89.2	89.2
CHIP21RD	P-21RD	3/4/2024 4:25:10 PM	0.0	0.0
CHIP21RD	P-21RD	3/19/2024 12:15:53 PM	101.5	101.6
CHIP21RS	P-21RS	3/4/2024 4:21:59 PM	0.0	0.0
CHIP21RS	P-21RS	3/19/2024 2:17:09 PM	91.1	91.1
CHIP22RD	P-22RD	3/19/2024 3:19:11 PM	117.9	118.0
CHIP22RS	P-22RS	3/19/2024 3:15:22 PM	116.1	116.1
CHIWP023	P-23	3/4/2024 4:31:48 PM	0.0	0.0
CHIWP023	P-23	3/19/2024 12:07:40 PM	81.9	81.9
CHIWP024	P-24	3/4/2024 4:34:29 PM	0.0	0.0
CHIWP024	P-24	3/7/2024 11:50:21 AM	74.7	74.7
CHIWP024	P-24	3/19/2024 2:24:08 PM	82.7	82.6
CHIWP026	P-26	3/4/2024 4:57:11 PM	0.0	0.0
CHIWP026	P-26	3/19/2024 2:31:51 PM	79.3	79.2
CHIWP027	P-27	3/4/2024 5:02:41 PM	0.0	0.0
CHIWP027	P-27	3/7/2024 11:32:23 AM	72.6	72.6
CHIWP027	P-27	3/19/2024 2:38:23 PM	82.4	82.3
CHIWP028	P-28	3/4/2024 5:06:34 PM	0.0	0.0
CHIWP028	P-28	3/19/2024 2:44:43 PM	92.3	92.3
CHIWP29R	P-29R	3/4/2024 5:11:34 PM	0.0	0.0
CHIWP29R	P-29R	3/7/2024 11:21:16 AM	101.3	101.3
CHIWP29R	P-29R	3/19/2024 2:50:41 PM	100.6	100.6
CHIWP30R	P-30R	3/7/2024 11:16:01 AM	84.0	83.9
CHIP32R1	P-32R1	3/6/2024 11:09:22 AM	113.7	113.7
CHIP32R2	P-32R2	3/6/2024 11:04:30 AM	104.1	104.3
CHIWP033	P-33	3/6/2024 10:50:26 AM	57.1	56.6
CHIWP034	P-34	3/6/2024 10:44:37 AM	111.3	111.7
CHIWP036	P-36	3/12/2024 3:40:04 PM	114.1	114.4
CHIWP037	P-37	3/12/2024 3:44:59 PM	97.5	97.5
CHIP38RD	P-38RD	3/12/2024 4:09:57 PM	97.6	98.8
CHIP38RS	P-38RS	3/12/2024 4:05:13 PM	106.0	105.9
CHIWP039	P-39	3/12/2024 4:18:52 PM	73.3	73.4
CHIWP041	P-41	3/12/2024 4:34:31 PM	105.7	104.7
CHIWP041	P-41	3/12/2024 4:36:35 PM	104.8	106.5
CHIWP42R	P-42R	3/12/2024 4:42:32 PM	105.5	105.6
CHIWP043	P-43	3/12/2024 4:46:23 PM	116.1	116.1
CHIP44RD	P-44RD	3/12/2024 4:50:33 PM	84.0	84.1
CHIP44RS	P-44RS	3/12/2024 4:54:08 PM	113.9	113.9
CHIP45RD	P-45RD	3/12/2024 5:07:53 PM	103.7	108.5
CHIP45RS	P-45RS	3/12/2024 5:02:57 PM	72.9	91.3
CHIP46RD	P-46RD	3/12/2024 5:48:50 PM	92.7	92.8
CHIP46RS	P-46RS	3/12/2024 5:37:57 PM	100.5	100.8
CHIP46RS	P-46RS	3/12/2024 5:42:36 PM	100.8	107.3

Attachment E - Well Temperature Data  
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Point ID	Point Name	Record Date	Init Temp [°F]	Adj Temp [°F]
CHIWP047	P-47	3/14/2024 2:24:46 PM	117.6	117.7
CHIWP047	P-47	3/14/2024 3:14:51 PM	118.1	118.2
CHIWP048	P-48	3/14/2024 3:22:36 PM	110.7	118.5
CHIP49RD	P-49RD	3/14/2024 2:48:00 PM	112.8	112.8
CHIP49RD	P-49RD	3/19/2024 4:55:41 PM	114.2	114.4
CHIP49RS	P-49RS	3/14/2024 2:42:51 PM	118.0	118.0
CHIP49RS	P-49RS	3/19/2024 5:00:51 PM	118.5	118.4
CHIWP052	P-52	3/14/2024 2:04:53 PM	112.4	112.5
CHIWP053	P-53	3/14/2024 2:08:58 PM	101.0	101.2
CHIWP053	P-53	3/14/2024 2:10:58 PM	101.3	108.6
CHIWP054	P-54	3/14/2024 2:16:00 PM	95.0	95.9
CHIWP055	P-55	3/14/2024 2:20:30 PM	91.3	93.8
CHIWP056	P-56	3/14/2024 2:29:01 PM	96.4	96.4
CHIWP057	P-57	3/14/2024 2:25:05 PM	79.1	79.1
CHIWP60R	P-60R	3/14/2024 2:46:18 PM	73.4	72.4
CHIWP061	P-61	3/14/2024 2:58:34 PM	72.5	82.4
CHIWP061	P-61	3/14/2024 2:59:39 PM	81.9	81.9
CHIWP065	P-65	3/14/2024 3:09:12 PM	80.2	82.1
CHIWP071	P-71	3/19/2024 5:06:31 PM	113.9	113.9
CHIWP075	P-75	3/14/2024 2:37:50 PM	91.8	91.8
CHIWP076	P-76	3/12/2024 3:56:25 PM	89.9	91.1
CHIWP076	P-76	3/12/2024 3:59:36 PM	100.1	100.8
CHIWP079	P-79	3/14/2024 1:51:55 PM	87.2	85.1
CSC2000E	SC-2000E	3/21/2024 10:23:02 AM	112.6	112.7
CSC2001E	SC-2001E	3/30/2024 2:46:08 PM	91.9	93.8
CSC2001W	SC-2001W	3/25/2024 2:08:01 PM	92.1	92.1
CHISW010	SW-10	3/29/2024 11:39:12 AM	69.7	69.7
CHISW115	SW-115	3/21/2024 11:26:01 AM	82.8	82.6
CHSW1445	SW-1445	3/28/2024 10:46:41 AM	77.2	75.3
CHSW1455	SW-1455	3/28/2024 10:39:18 AM	80.6	80.9
CHISW154	SW-154	3/20/2024 9:03:45 AM	66.5	66.6
CSW17135	SW-17-135	3/28/2024 10:53:49 AM	73.7	73.7
CHISW187	SW-187	3/25/2024 10:35:38 AM	69.5	69.5
CHSW1930	SW-1930	3/6/2024 2:15:23 PM	53.3	53.1
CHSW1930	SW-1930	3/7/2024 10:46:09 AM	67.8	67.8
CHSW1930	SW-1930	3/8/2024 9:07:03 AM	63.4	63.2
CHSW1930	SW-1930	3/11/2024 8:17:33 AM	41.5	41.5
CHSW1930	SW-1930	3/12/2024 8:22:07 AM	51.2	51.2
CHSW1930	SW-1930	3/20/2024 8:59:17 AM	57.8	57.9
CHSW1930	SW-1930	3/28/2024 10:11:07 AM	75.4	75.4
CHSW1930	SW-1930	3/29/2024 9:06:58 AM	56.9	57.0
CHISW020	SW-20	3/19/2024 5:34:26 PM	82.4	82.4
CHISW025	SW-25	3/1/2024 10:17:42 AM	70.7	70.7
CHISW025	SW-25	3/4/2024 10:53:34 AM	0.0	0.0
CHISW025	SW-25	3/6/2024 9:41:32 AM	76.3	76.4

Attachment E - Well Temperature Data  
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Point ID	Point Name	Record Date	Init Temp [°F]	Adj Temp [°F]
CHISW025	SW-25	3/7/2024 9:22:31 AM	77.6	77.6
CHISW025	SW-25	3/8/2024 8:48:31 AM	77.1	77.2
CHISW025	SW-25	3/11/2024 8:24:34 AM	68.6	68.6
CHISW025	SW-25	3/12/2024 8:26:34 AM	74.6	74.6
CHISW025	SW-25	3/18/2024 9:44:30 AM	78.5	78.5
CHISW025	SW-25	3/19/2024 9:04:14 AM	63.8	63.7
CHISW025	SW-25	3/20/2024 9:05:56 AM	75.1	75.1
CHISW025	SW-25	3/28/2024 10:01:58 AM	84.7	84.8
CHISW025	SW-25	3/29/2024 8:52:23 AM	79.5	79.6
CHISW025	SW-25	3/29/2024 9:11:54 AM	66.4	66.4
CHISW030	SW-30	3/1/2024 9:38:44 AM	65.9	65.7
CHISW030	SW-30	3/4/2024 9:26:05 AM	0.0	0.0
CHISW030	SW-30	3/6/2024 8:45:47 AM	65.5	65.5
CHISW030	SW-30	3/7/2024 10:05:18 AM	68.6	68.4
CHISW030	SW-30	3/8/2024 9:34:05 AM	71.1	70.6
CHISW030	SW-30	3/11/2024 9:09:15 AM	62.5	62.5
CHISW030	SW-30	3/12/2024 9:02:49 AM	66.1	66.1
CHISW030	SW-30	3/19/2024 8:26:37 AM	61.3	61.4
CHISW030	SW-30	3/20/2024 8:11:23 AM	61.7	61.9
CHISW030	SW-30	3/28/2024 9:25:39 AM	69.9	69.9
CHISW030	SW-30	3/29/2024 8:49:57 AM	67.7	67.7
CHISW030	SW-30	3/29/2024 9:06:17 AM	65.9	65.9
CHISW032	SW-32	3/1/2024 9:48:22 AM	71.3	72.1
CHISW032	SW-32	3/4/2024 9:41:38 AM	0.0	0.0
CHISW032	SW-32	3/6/2024 8:53:39 AM	67.5	68.2
CHISW032	SW-32	3/7/2024 10:25:26 AM	76.4	76.0
CHISW032	SW-32	3/8/2024 9:41:54 AM	81.9	81.8
CHISW032	SW-32	3/11/2024 9:17:10 AM	63.2	63.6
CHISW032	SW-32	3/11/2024 9:21:50 AM	64.7	64.4
CHISW032	SW-32	3/12/2024 9:11:23 AM	66.2	66.4
CHISW032	SW-32	3/18/2024 8:34:05 AM	64.0	64.1
CHISW032	SW-32	3/19/2024 8:13:52 AM	63.3	63.3
CHISW032	SW-32	3/20/2024 8:26:21 AM	72.6	72.4
CHISW032	SW-32	3/28/2024 9:31:50 AM	73.7	73.7
CHISW032	SW-32	3/29/2024 8:56:03 AM	66.0	66.1
CHISW032	SW-32	3/29/2024 9:23:32 AM	64.2	64.1
CHISW064	SW-64	3/1/2024 9:42:19 AM	63.1	63.1
CHISW064	SW-64	3/4/2024 9:33:00 AM	0.0	0.0
CHISW064	SW-64	3/6/2024 8:49:40 AM	63.6	63.7
CHISW064	SW-64	3/7/2024 10:08:57 AM	70.3	70.4
CHISW064	SW-64	3/8/2024 9:37:31 AM	73.4	73.5
CHISW064	SW-64	3/11/2024 9:13:10 AM	61.2	61.3
CHISW064	SW-64	3/12/2024 9:06:48 AM	67.5	67.6
CHISW064	SW-64	3/18/2024 8:29:52 AM	60.8	60.8
CHISW064	SW-64	3/19/2024 8:10:33 AM	51.2	50.9



Attachment E - Well Temperature Data  
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Point ID	Point Name	Record Date	Init Temp [°F]	Adj Temp [°F]
CHISW064	SW-64	3/20/2024 8:14:54 AM	58.0	58.0
CHISW064	SW-64	3/20/2024 8:18:53 AM	60.5	60.5
CHISW064	SW-64	3/28/2024 9:28:36 AM	71.3	71.4
CHISW064	SW-64	3/29/2024 8:52:31 AM	62.4	62.4
CHISW064	SW-64	3/29/2024 9:10:58 AM	62.1	62.1
CHISW065	SW-65	3/21/2024 11:23:44 AM	85.6	85.4
CHISW066	SW-66	3/20/2024 9:06:56 AM	82.5	82.6
CHISW068	SW-68	3/1/2024 9:51:30 AM	64.3	64.2
CHISW068	SW-68	3/4/2024 9:46:40 AM	0.0	0.0
CHISW068	SW-68	3/6/2024 8:57:12 AM	63.3	63.2
CHISW068	SW-68	3/7/2024 10:33:40 AM	67.3	67.0
CHISW068	SW-68	3/11/2024 9:24:55 AM	62.8	62.9
CHISW068	SW-68	3/12/2024 9:14:42 AM	64.2	64.2
CHISW068	SW-68	3/18/2024 8:37:13 AM	63.9	63.9
CHISW068	SW-68	3/19/2024 8:16:50 AM	59.8	59.8
CHISW068	SW-68	3/20/2024 8:30:20 AM	64.0	64.0
CHISW068	SW-68	3/28/2024 9:34:25 AM	69.2	69.0
CHISW068	SW-68	3/29/2024 8:59:19 AM	65.1	65.0
CHISW068	SW-68	3/29/2024 9:20:03 AM	67.8	67.5
CHISW007	SW-7	3/1/2024 10:20:51 AM	74.6	74.7
CHISW007	SW-7	3/4/2024 10:57:54 AM	0.0	0.0
CHISW007	SW-7	3/6/2024 9:45:27 AM	78.3	79.2
CHISW007	SW-7	3/7/2024 9:16:52 AM	0.0	0.0
CHISW007	SW-7	3/8/2024 8:52:04 AM	73.5	73.9
CHISW007	SW-7	3/11/2024 8:28:26 AM	57.2	57.2
CHISW007	SW-7	3/12/2024 8:30:12 AM	66.0	66.1
CHISW007	SW-7	3/18/2024 9:48:20 AM	80.9	80.9
CHISW007	SW-7	3/19/2024 9:07:27 AM	74.7	75.0
CHISW007	SW-7	3/20/2024 9:09:21 AM	80.1	80.4
CHISW007	SW-7	3/28/2024 10:05:38 AM	80.8	80.7
CHISW007	SW-7	3/29/2024 9:15:22 AM	68.4	68.6
CHISW070	SW-70	3/25/2024 10:38:01 AM	68.9	68.8
CHISW070	SW-70	3/29/2024 8:56:58 AM	64.7	64.4
CHISW071	SW-71	3/4/2024 4:39:11 PM	0.0	0.0
CHISW071	SW-71	3/4/2024 4:53:08 PM	0.0	0.0
CHISW071	SW-71	3/7/2024 11:44:29 AM	73.6	73.0
CHISW072	SW-72	3/6/2024 10:37:05 AM	66.4	65.8
CHISW080	SW-80	3/21/2024 10:54:53 PM	81.9	79.3
CHISW009	SW-9	3/25/2024 10:31:57 AM	62.6	62.6
CHH1959S	TC-1959S	3/29/2024 2:19:24 PM	87.6	87.6
CHH1961A	TC-1961A	3/8/2024 8:52:49 AM	72.4	72.6
CHH1961C	TC-1961C	3/8/2024 11:18:01 AM	116.1	116.1
CHH1961C	TC-1961C	3/21/2024 11:17:27 AM	116.7	116.9
CHH1961E	TC-1961E	3/20/2024 3:02:49 PM	113.1	113.2
CHH1961E	TC-1961E	3/21/2024 11:48:02 AM	112.6	112.7

Attachment E - Well Temperature Data  
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Point ID	Point Name	Record Date	Init Temp [°F]	Adj Temp [°F]
CHH1961W	TC-1961W	3/8/2024 8:20:55 AM	108.3	108.4
CHH1961W	TC-1961W	3/25/2024 1:48:10 PM	112.7	113.2
CHH2173W	TC-2173	3/21/2024 2:15:25 PM	81.1	81.3
CHTC2174	TC-2174	3/6/2024 10:30:43 AM	153.2	153.2
CHTC2174	TC-2174	3/20/2024 8:45:10 AM	155.4	155.5
CHTC2174	TC-2174	3/20/2024 8:48:26 AM	155.5	155.5
CHTC2174	TC-2174	3/21/2024 5:12:26 PM	155.3	155.4
CHTC2174	TC-2174	3/26/2024 11:17:39 AM	156.2	156.3
CHTC2174	TC-2174	3/26/2024 4:14:52 PM	155.4	156.2
CHTC2174	TC-2174	3/31/2024 11:47:28 AM	156.1	155.9
CHTC2378	TC-2378	3/8/2024 8:18:12 AM	174.0	174.0
CHTC2378	TC-2378	3/14/2024 11:16:04 AM	172.8	173.1
CHTC2378	TC-2378	3/21/2024 2:19:47 PM	168.1	168.1
CHTC2378	TC-2378	3/26/2024 10:33:03 AM	163.5	163.5
CTC2378E	TC-2378E	3/20/2024 6:11:41 PM	186.7	186.7
CTC2378E	TC-2378E	3/26/2024 3:08:40 PM	184.9	184.5
CTC2380C	TC-2380C	3/31/2024 2:37:24 PM	61.1	61.1
CTC2380E	TC-2380E	3/25/2024 11:08:57 AM	115.7	116.4
CTC2380W	TC-2380W	3/26/2024 11:54:33 AM	106.9	106.9
CTC2382B	TC-2382B	3/29/2024 12:04:25 PM	64.4	64.3
CTC2382B	TC-2382B	3/29/2024 12:08:17 PM	63.7	62.6
CTC2382E	TC-2382E	3/31/2024 8:48:23 AM	139.6	139.6
CTC2383S	TC-2383S	3/28/2024 11:04:46 AM	85.3	85.3
CTC2385A	TC-2385A	3/27/2024 12:32:44 PM	130.1	132.0
CTC2385A	TC-2385A	3/27/2024 12:35:31 PM	132.2	132.3
CTC2385N	TC-2385N	3/27/2024 12:38:26 PM	187.9	188.4
CTC2385S	TC-2385S	3/4/2024 3:51:06 PM	117.6	117.1
CTC2385S	TC-2385S	3/4/2024 3:52:35 PM	119.5	119.3
CTC2385S	TC-2385S	3/27/2024 12:13:04 PM	112.6	113.0
CHIWWL02	VL-02	3/22/2024 11:30:45 AM	87.9	87.8

N/A: Not Available

Attachment E - Well CO Data  
March 2024

Well PPMV	3/6/2024	3/7/2024	3/14/2024	3/15/2024	3/16/2024	3/20/2024	3/21/2024	3/26/2024	3/28/2024
CV-109-55									
CV-1418									
CV-1419									
CV-1532									
CV-1532A									
CV-1534A	3685		3825						3110
CV-1902A									
CV-1902D									
CV-1902S									
CV-1904									
CV-2003									
CV-2004	4010								
CV-2006									
CV-2011A									
CV-2201		1500			2455		2540	2415	
CV-2202	2460		2280			3075		2390	
CV-2203		3545	3010				3390	2410	
CV-2204		3820		3530		3970		2940	
CV-2206		3100			2660		2820	1880	
CV-2302									
CV-2303		856	1650				2520	1390	
CV-2304	2680			5490		2140		1910	
CV-2306		2790	2900			3120			
CV-2308									
CV-2310		3690		2370					1810
CV-2322		2480	3350			2800		4380	
CV-2327		4225	3920			3690		4870	
CV-2338	2120								
CV-2339	1850								
CV-2342									
CV-2342A	3650		4030						3565
CV-2353	1655		2020						2480
CV-24022	4250			4510			5570	4880	
CV-24028									
CV-24029							5.2		
CV-55R								139	
H-1561C									
H-1561N									
H-1751N									
H-1754N									
H-1757N	363			346					
H-1768N									
H-1770B									
H-1770N									
H-1773A									
H-1774A									
H-1774B									

Attachment E - Well CO Data  
March 2024

Well PPMV	3/6/2024	3/7/2024	3/14/2024	3/15/2024	3/16/2024	3/20/2024	3/21/2024	3/26/2024	3/28/2024
H-1803N	1410		1430			1323		1760	
H-1960									
H-1962B									
H-1962N		1120	692			890			
H-1962S									
H-1964N									
H-64									
H-67									
TC-2174	615		775			837		791	
TC-2378		1760	1580				953	680	
TC-2378E							2110	2280	
TC-2381E									
TC-2381W									
TC-2382A									
TC-2382B									
TC-2382E									
TC-2385A									
TC-2385N									3190

Attachment F

Lab Analysis and Draeger Tube Readings



**Attachment F - Lab Analysis and Draeger Tube Data  
March 2024**

Date Sampled	Permanent Flare Station					Zeeco TOx (Reaction Area)					
	Flare	Draeger Tube (ppmv)	Lab Analysis (ppmv)			Draeger Tube (ppmv)	Lab Analysis (ppmv)				
			H2S	DMS	TRS		H2S	DMS	TRS		
3/1/2024	FL-2009	29	31.5	162	240.0	350	408	943	1842.2		
3/2/2024	FL-1995	36	42.6	181	291.9	350	397	1009	1966.4		
3/3/2024		N/A				offline					
3/4/2024	FL-1995	49	59.3	237	411.7	offline					
3/5/2024	FL-2009	52	62.3	234	414.9	offline					
3/6/2024	FL-1995	55	67.7	226	390.4	offline					
3/7/2024	FL-2009	35	39	137	243.4	offline					
3/8/2024	FL-2009	39	45.3	247	366.4	offline					
3/9/2024	FL-1995	43	45	224	364.1	offline					
3/10/2024		N/A				offline					
3/11/2024	FL-1995	42	51.2	225	373.6	offline					
3/12/2024	FL-2009	30	41.7	243	403.5	offline					
3/13/2024	FL-2009	52	59.2	225	390.9	offline					
3/14/2024	FL-2009	29	33.5	238	382.1	offline					
3/15/2024	FL-2009	35	48.6	236	379.9	offline					
3/16/2024	FL-2009	48	50.8	212	349.3	offline					
3/17/2024	FL-2009	36	47.8	235	374.9	offline					
3/18/2024	FL-2009	47	60.4	227	383.8	offline					
3/19/2024	FL-2009	35	43.4	249	400.4	offline					
3/20/2024	FL-2009	50	59.6	242	417.6	offline					
3/21/2024	FL-2009	51	58.2	197	343.0	offline					
3/22/2024	FL-2009	57	67.9	192	338.2	375	N/A	N/A	N/A		
3/23/2024	FL-2009	49	52.9	205	325.8	300	322	647	1309.9		
3/24/2024	FL-2009	42	49.4	198	326.0	220	297	641	1284.0		
3/25/2024	FL-2009	59	58.2	200	339.7	225	288	639	1258.0		
3/26/2024	FL-2009	36	46.4	215	356.7	300	296	637	1279.5		
3/26/2024	FL-2023	36	See FL-2009 results (FL-2023 not sampled)								
3/27/2024	FL-2009	32	45.2	201	337.6	300	279	680	1329.5		
3/28/2024	FL-2009	60	64.2	200	350.1	300	278	578	1166.9		
3/28/2024	FL-2023	60	67.5	221	384.7						
3/29/2024	FL-2009	75	69.4	195	349.8	300	280	592	1178.9		
3/30/2024	FL-2009	70	66.9	213	376.0	380	322	653	1323.9		
3/31/2024	FL-2009	58	57	208	364.2	300	303	639	1281.3		

N/A: Not Available

**Attachment F - Lab Analysis and Draeger Tube Data**  
**Chiquita Canyon Landfill Flare Station H<sub>2</sub>S Draeger Tube Readings**  
**March 2024**

Sample Date	Time	H <sub>2</sub> S (PPM)	Tube Used			Technician	Flare
			2 to 20 ppm 20 to 200 ppm (6728821)	5 to 60 ppm (29801)	100 to 2000 ppm (CH29101)		
3/1/2024	8:10	29		x		Fabian Chavez	FL-2009
3/2/2024	8:40	36		x		Mario Martinez	FL-1995
3/3/2024		N/A					
3/4/2024	9:10	49		x		Fabian Chavez	FL-1995
3/5/2024	13:50	52		x		Cage Johnson	FL-2009
3/6/2024	7:00	55		x		Fabian Chavez	FL-1995
3/7/2024	18:00	35		x		Cage Johnson	FL-2009
3/8/2024	8:25	39		x		Fabian Chavez	FL-2009
3/9/2024	8:00	43		x		Fabian Chavez	FL-1995
3/10/2024		N/A					
3/11/2024	8:00	42		x		Fabian Chavez	FL-1995
3/12/2024	17:15	30		x		Mark Guerrero	FL-2009
3/13/2024	7:30	52		x		Donald Senegal	FL-2009
3/14/2024	10:30	29		x		Gilbert Montes do Oca	FL-2009
3/15/2024	8:10	35		x		Mario Martinez	FL-2009
3/16/2024	7:40	48		x		Eric Castro	FL-2009
3/17/2024	22:40	36		x		Eric Castro	FL-2009
3/18/2024	8:20	47		x		Hunter Montgomery	FL-2009
3/19/2024	17:05	35		x		Fabian Chavez	FL-2009
3/20/2024	9:48	50		x		Cage Johnson	FL-2009
3/21/2024	10:05	51		x		Mark Guerrero	FL-2009
3/22/2024	8:10	57		x		Gilbert Montes do Oca	FL-2009
3/23/2024	8:15	49		x		Eric Castro	FL-2009
3/24/2024	18:10	42		x		Eric Castro	FL-2009
3/25/2024	7:45	59		x		Gilbert Montes do Oca	FL-2009
3/26/2024	15:00	36		x		Cage Johnson	FL-2009
3/26/2024	15:05	36		x		Jaime Coronel	FL-2023
3/27/2024	9:25	32		x		Fabian Chavez	FL-2009
3/28/2024	7:34	60		x		Gilbert Montes do Oca	FL-2009
3/28/2024	7:41	60		x		Gilbert Montes do Oca	FL-2023
3/29/20024	9:17	75	x			Hunter Montgomery	FL-2009
3/30/2024	8:50	70	x			Eric Castro	FL-2009
3/31/2024	16:08	58	x			Gilbert Montes do Oca	FL-2009

N/A: Not Available

**Attachment F - Lab Analysis and Draeger Tube Data**  
**Chiquita Canyon Landfill Zeeco TOx H<sub>2</sub>S Draeger Tube Readings**  
**March 2024**

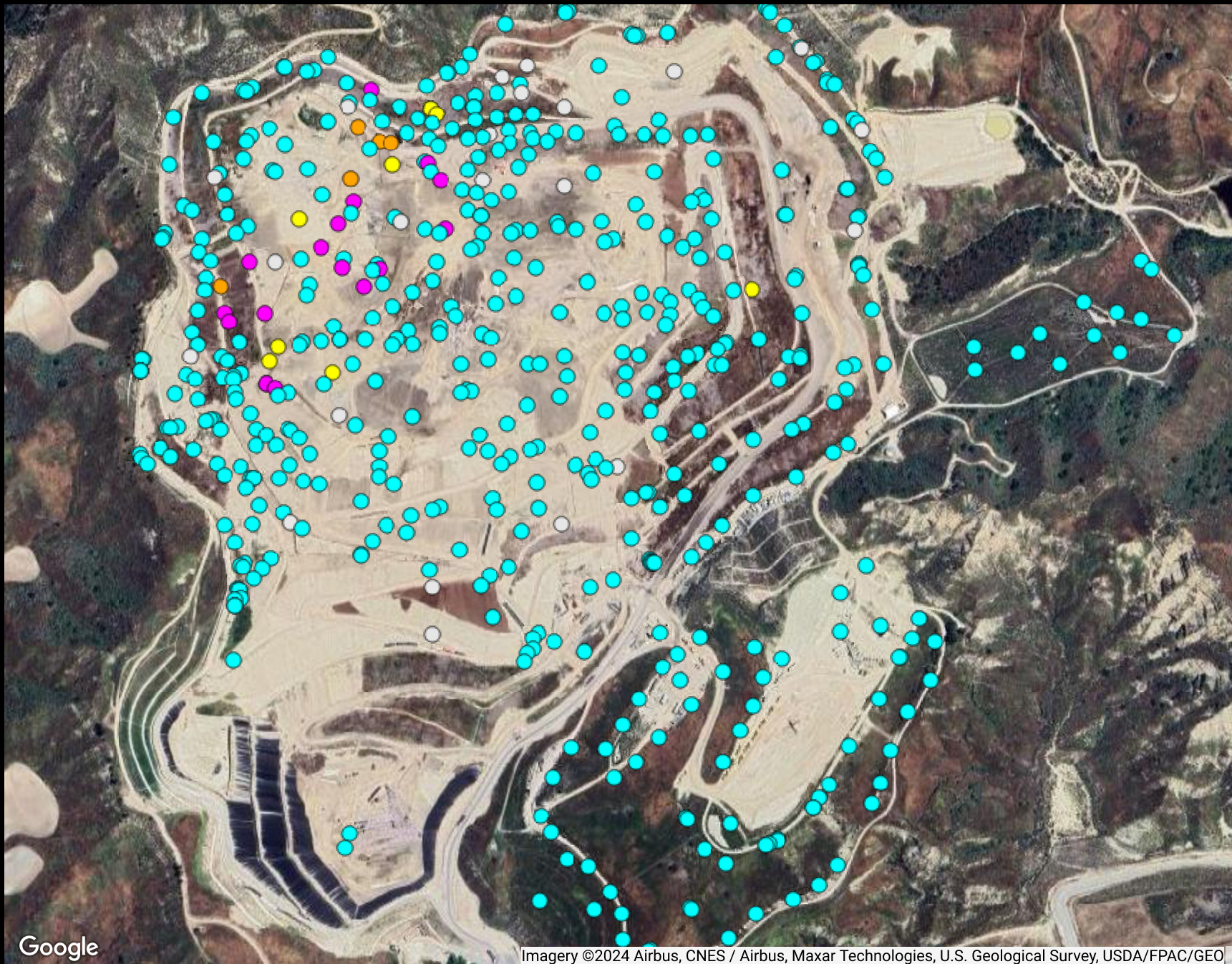
Sample Date	Time	H <sub>2</sub> S (PPM)	Tube Used			Technician
			2 to 20 ppm 20 to 200 ppm (6728821)	5 to 60 ppm (29801)	100 to 2000 ppm (CH29101)	
3/1/2024	8:00	350			x	Fabian Chavez
3/2/2024	8:22	350			x	Mario Martinez
3/3/2024	Zeeco offline					
3/4/2024	Zeeco offline					
3/5/2024	Zeeco offline					
3/6/2024	Zeeco offline					
3/7/2024	Zeeco offline					
3/8/2024	Zeeco offline					
3/9/2024	Zeeco offline					
3/10/2024	Zeeco offline					
3/11/2024	Zeeco offline					
3/12/2024	Zeeco offline					
3/13/2024	Zeeco offline					
3/14/2024	Zeeco offline					
3/15/2024	Zeeco offline					
3/16/2024	Zeeco offline					
3/17/2024	Zeeco offline					
3/18/2024	Zeeco offline					
3/19/2024	Zeeco offline					
3/20/2024	Zeeco offline					
3/21/2024	Zeeco offline					
3/22/2024	8:40	375			x	Gilbert Montes de Oca
3/23/2024	9:30	300			x	Eric Castro
3/24/2024	17:55	220			x	Eric Castro
3/25/2024	9:50	225			x	Gilbert Montes de Oca
3/26/2024	17:20	300			x	Fabian Chavez
3/27/2024	9:00	300			x	Fabian Chavez
3/28/2024	8:18	300			x	Gilbert Montes de Oca
3/29/2024	8:55	300			x	Hunter Montgomery
3/30/2024	8:30	380			x	Eric Castro
3/31/2024	15:54	300			x	Gilbert Montes de Oca

N/A: Not Available

Attachment G

Graphic Map





**Ranges Mapped**

Color	Range	# Points
Cyan	> -50 and ≤ 145	503
Yellow	> 145 and ≤ 160	8
Orange	> 160 and ≤ 169.99	6
Magenta	> 169.99 and ≤ 999	16
Grey	N/A	N/A
White	N/A	22

**Point Type Legend**

○ well

Google

Imagery ©2024 Airbus, CNES / Airbus, Maxar Technologies, U.S. Geological Survey, USDA/FPAC/GEO

**Chiquita Canyon Landfill**  
**Range Map**  
**Parameter: AdjTemp**  
**Analysis Method: Average**

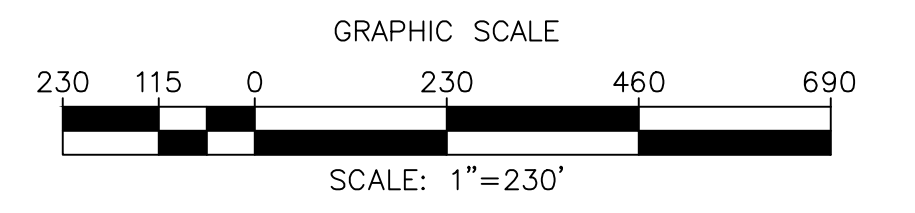
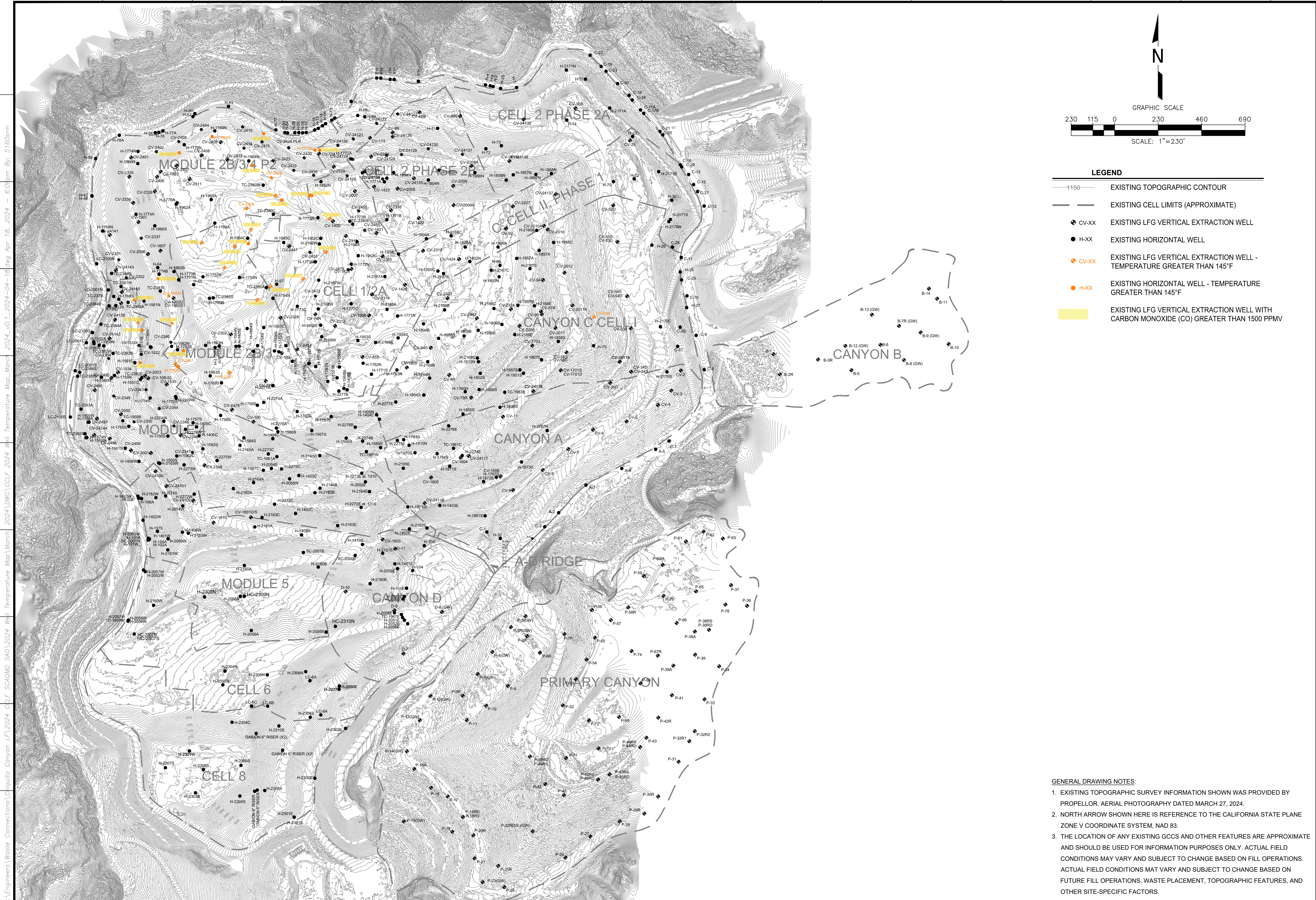
Date Range: 03/01/2024 - 03/31/2024

Map generation date : 04/15/2024



SCSeTools





**LEGEND**

- 1150 EXISTING TOPOGRAPHIC CONTOUR
- EXISTING CELL LIMITS (APPROXIMATE)
- CV-XX EXISTING LFG VERTICAL EXTRACTION WELL
- H-XX EXISTING HORIZONTAL WELL
- CV-XX EXISTING LFG VERTICAL EXTRACTION WELL - TEMPERATURE GREATER THAN 145°F
- H-XX EXISTING HORIZONTAL WELL - TEMPERATURE GREATER THAN 145°F
- EXISTING LFG VERTICAL EXTRACTION WELL WITH CARBON MONOXIDE (CO) GREATER THAN 1500 PPMV

NO.	REVISION	DATE

SHEET TITLE: WELL TEMPERATURE & CARBON MONOXIDE MAP  
MARCH 2024  
PROJECT TITLE: CHIQUITA CANYON LANDFILL  
CASTAIC, CALIFORNIA



**SCS ENGINEERS**  
ENVIRONMENTAL CONSULTANTS  
8760 BALBOA AVENUE, SUITE 250  
SAN DIEGO, CA 92123  
(619) 571-5500 FAX: (619) 427-0805  
REG. NO. 01204123.35  
DSN. BY: SRM  
CHK. BY: WCH

DATE: 04/18/2024  
SCALE: AS SHOWN  
SHEET: 1

**GENERAL DRAWING NOTES:**

- EXISTING TOPOGRAPHIC SURVEY INFORMATION SHOWN WAS PROVIDED BY PROPELLOR. AERIAL PHOTOGRAPHY DATED MARCH 27, 2024.
- NORTH ARROW SHOWN HERE IS REFERENCE TO THE CALIFORNIA STATE PLANE ZONE V COORDINATE SYSTEM, NAD 83.
- THE LOCATION OF ANY EXISTING GCCS AND OTHER FEATURES ARE APPROXIMATE AND SHOULD BE USED FOR INFORMATION PURPOSES ONLY. ACTUAL FIELD CONDITIONS MAY VARY AND SUBJECT TO CHANGE BASED ON FILL OPERATIONS. ACTUAL FIELD CONDITIONS MAY VARY AND SUBJECT TO CHANGE BASED ON FUTURE FILL OPERATIONS, WASTE PLACEMENT, TOPOGRAPHIC FEATURES, AND OTHER SITE-SPECIFIC FACTORS.

Z:\Engineers\Waste Connections\Chiquita Canyon LF\2024 CLF SCAQMD SAO\2024 Well Temperature Map\_March 2024.DWG CCLF 2024 Well Temperature Map\_March 2024.DWG Apr 18, 2024 - 6:04pm By: 5160srmm



Attachment H

Bench-Scale Sulfur Treatment Notification

March 1, 2024  
File No. 01204123.25

Baitong Chen, Air Quality Engineer, [bchen@aqmd.gov](mailto:bchen@aqmd.gov)  
South Coast Air Quality Management District  
21865 East Copley Drive  
Diamond Bar, CA 91765

Subject: Notification of Sulfur Treatment Bench-Scale Test at the Chiquita Canyon Landfill  
(Facility ID 119219), Castaic, California

Mr. Chen:

With this letter, Chiquita Canyon, LLC (Chiquita) is hereby notifying South Coast Air Quality Management District (SCAQMD) of its intent to complete a bench-scale test of a landfill gas (LFG) sulfur treatment system at the Chiquita Canyon Landfill (CCL or Landfill) (Facility ID 119219) in Castaic, California.

As you know, because of the subsurface reaction that is occurring at the Landfill, the concentrations of total reduced sulfur (TRS), and especially dimethyl sulfide (DMS), have increased at CCL. Since DMS is not removed by the existing carbon adsorption system that is in use for hydrogen sulfide (H<sub>2</sub>S) removal (Permit No. G55163, A/N 603249), the Landfill is experiencing excess sulfur oxides (SO<sub>x</sub>) emissions when the LFG is combusted in flares or thermal oxidizers (TOXs). Therefore, it is critical to find a treatment system to remove DMS in order to maintain compliance with the Landfill's SO<sub>x</sub> emissions limits and Rule 431.1. In fact, the Stipulated Order for Abatement (SOFA) (Case No. 6177-4) mandates that Chiquita research options for DMS removal. Initial research did not yield any promising results; however, Chiquita has recently identified a potential effective solution from Streamline Innovations, Inc. (Streamline) using its VALKYRIE® technology.

VALKYRIE® technology is Streamline's suite of TRS gas treating systems. The Valkyrie system utilizes TALON® chemistry, a non-toxic, biodegradable oxidation-reduction (Redox) chemistry. Redox is a chemical reaction that converts TRS compounds into elemental sulfur with chemistry that can be regenerated through an oxidation process. The LFG is treated using the chemistry noted above and exits the treatment system having TRS compounds converted to elemental sulfur. The sulfur is filtered from treated gas, and the gas is recirculated to perform the reaction again to achieve further treatment of residual TRS compounds. The filtered sulfur is stored in a container available for reuse or disposal.

Real-world applications have shown that the Streamline system is very effective at removal of H<sub>2</sub>S, and laboratory-scale testing has shown promising effectiveness at DMS removal. To confirm the level of DMS removal, and to help size and design a full-scale system, field bench-scale research testing is necessary. Because of the unique nature of the LFG at CCL, this testing must occur at the Landfill to ensure that the final system will be properly designed to address the conditions at the Landfill as well as to ensure long-term compliance with Rule 431.1(c)(2), Chiquita's Title V permit limits on SO<sub>x</sub>, and Chiquita's modified SOFA in Case No. 6177-4, which generally orders Chiquita "to



comply with . . . South Coast AQMD Rules 402, 203, 431.1, and 3002, and all conditions of [Chiquita's] Permits.”

Based on the above information, Chiquita plans to allow Streamline to bring a bench-scale system on-site to treat a small slipstream of the LFG at CCL for research purposes. This would be a temporary project solely for the purpose of proving out the technology and gathering valuable information for the design of a permanent system. Chiquita believes that this bench-scale test is exempt from SCAQMD permitting in accordance with Rule 219, Section (d)(3), which is listed below:

- (d) The following equipment, processes, or operations do not require a written permit:*
  - (3) Structures and Equipment – General*
    - (H) Non-production bench scale research equipment, and the control equipment used to exclusively vent such equipment.*

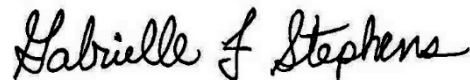
Note that there will be no emissions from the Streamline system during the bench-scale test. The treatment train is a closed loop system with no points of emission, and the treated gas will be returned to the LFG header, passed through the existing sulfur treatment system, and combusted in one of the flares. In fact, any sulfur removed during the bench-scale test will actually reduce SOx emissions from the flares.

If you have any further questions or need additional information, please contact James Kim of SCS Engineers at (657) 219-1372 or Gabrielle Stephens of SCS Engineers at (562) 355-6510. We would be glad to schedule a video meeting to discuss this project and the bench-scale research test in greater detail.

Sincerely,



James J. Kim  
Senior Project Professional  
SCS Engineers



Gabrielle F. Stephens  
Vice President  
SCS Engineers

JJK/GFS

cc: Pat Sullivan, SCS Engineers  
Steve Cassulo, Chiquita Canyon Landfill

Attachment I  
Inspection Logs





**CHIQUITA CANYON**  
*A Waste Connections Company*

March 26, 2024

***Via E-Mail***

Karen Gork  
Chief Environmental Health Specialist  
Los Angeles County Department of Public Health  
Local Enforcement Agency  
Environmental Programs Division  
5050 Commerce Drive,  
Baldwin Park, California 91706  
[KGork@ph.lacounty.gov](mailto:KGork@ph.lacounty.gov)

**Re: Chiquita Canyon, LLC's Weekly Report on the Documentation and Tracking of Cover Issues**

Dear Ms. Gork:

In accordance with the *Revised Written Plan Regarding the Documentation and Tracking of Cover Issues*, dated December 21, 2023, Chiquita Canyon, LLC ("Chiquita") presents the enclosed report for documenting and tracking cover issues for the week of March 18, 2024 to March 23, 2024.

Chiquita is in receipt of the Local Enforcement Agency's March 22, 2024 letter, which includes new requirements for the documentation and tracking of cover under the aforementioned *Revised Written Plan*. Chiquita is in the process of reviewing these new requirements and revising the written plan accordingly.

Please contact me in the event you have any questions regarding this matter.

Regards,

*Amanda Froman*

Amanda Froman  
Compliance Manager  
Chiquita Canyon, LLC

Attachment: March 18, 2024 Weekly Cover Issues Report

29201 Henry Mayo Drive | Castaic, California 91384  
[www.chiquitacanyon.com](http://www.chiquitacanyon.com)

Ms. Karen Gork  
Los Angeles County Department of Public Health, Local Enforcement Agency  
December 21, 2023  
Page 2 of 2

cc: Mark Como, Department of Public Health  
Eric Morofuji, Department of Public Health

# **Fissures and Tension Cracks**

# 4050 - Chiquita Reaction Area Tracking of Fissures and Tension Cracks

18 Mar 2024 / Tom Roe

Complete

**Conducted on**

18 Mar 2024 9:02 AM PDT

---

**Prepared by**

Tom Roe

---

## Chiquita Reaction Area Tracking of Fissures and Tension Cracks

Chiquita Reaction Area Tracking of Fissures and Tension Cracks

Chiquita Reaction Area Tracking of Fissures and Tension Cracks  
1

Fissure or Tension Crack Found?

Yes

Using the attached image, annotate all areas where inspectors identified a fissure or tension crack.



Grid Location

178

Using the Media link below, attach the before photo of the fissure or tension crack.

18 Mar 2024 9:02 AM PDT



Photo 1

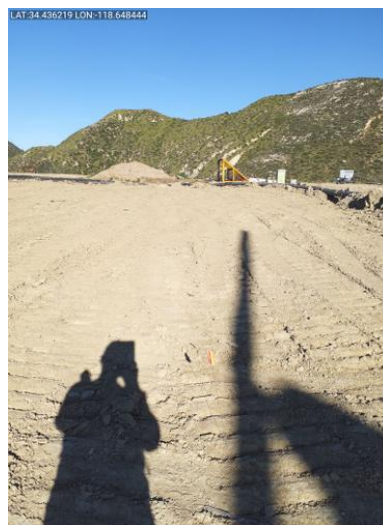


Photo 2



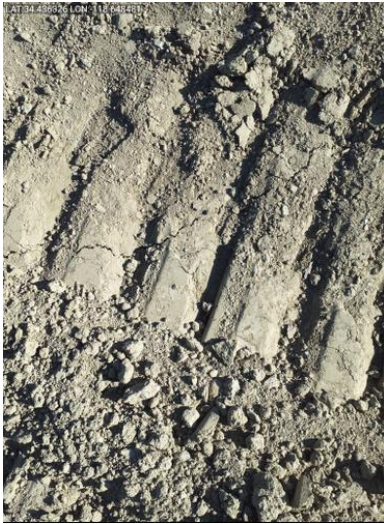


Photo 3



Photo 4

**Length of crack (ft) or area containing multiple cracks (ft x ft)**

20ft x 100ft

**Severity**

Small <2" in width

**Location**

(34.4362749, -118.6485542)

**Was Fissure or Crack fixed? If yes, add photo and description of repairs performed**

Yes

Cracks were track walked.



Photo 5



Photo 6

Chiquita Reaction Area Tracking of Fissures and Tension Cracks  
2

**Fissure or Tension Crack Found?**

Yes

**Using the attached image, annotate all areas where inspectors identified a fissure or tension crack.**



**Grid Location**

184

Using the Media link below, attach the before photo of the fissure of tension crack.

18 Mar 2024 9:11 AM PDT



Photo 7



Photo 8



Photo 9

**Length of crack (ft) or area containing multiple cracks (ft x ft)**

100ft x 15ft

**Severity**

Small <2" in width



Location

(34.4362879, -118.6493372)

Was Fissure or Crack fixed? If yes, add photo and description of repairs performed

Yes

Cracks were track walked.



Photo 10



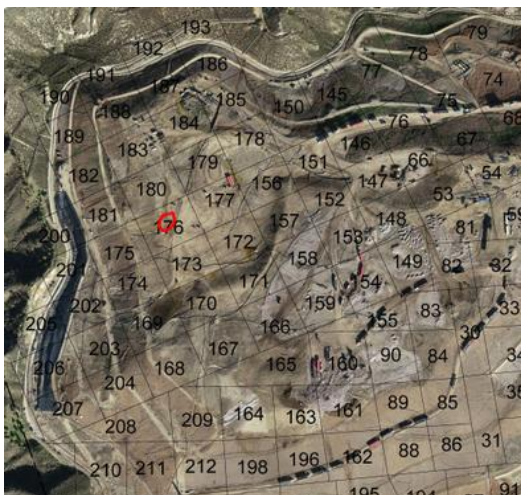
Photo 11

Chiquita Reaction Area Tracking of Fissures and Tension Cracks  
3

Fissure or Tension Crack Found?

Yes

Using the attached image, annotate all areas where inspectors identified a fissure or tension crack.



Grid Location

176

Using the Media link below, attach the before photo of the fissure of tension crack.

18 Mar 2024 9:26 AM PDT



Photo 12



Photo 13



Photo 14

**Length of crack (ft) or area containing multiple cracks (ft x ft)** 20 ft

**Severity** Small <2" in width

**Location** (34.4353027, -118.6497944)

**Was Fissure or Crack fixed? If yes, add photo and description of repairs performed** Yes

Crack was track walked.



Photo 15



Photo 16

### Chiquita Reaction Area Tracking of Fissures and Tension Cracks 4

**Fissure or Tension Crack Found?**

Yes

**Using the attached image, annotate all areas where inspectors identified a fissure or tension crack.**



**Grid Location**

171

**Using the Media link below, attach the before photo of the fissure or tension crack.**

18 Mar 2024 9:40 AM PDT





Photo 17



Photo 18



Photo 19

**Length of crack (ft) or area containing multiple cracks (ft x ft)**

50ft x 50ft

**Severity**

Small <2" in width

**Location**

(34.4349029, -118.6493211)

**Was Fissure or Crack fixed? If yes, add photo and description of repairs performed**

Yes

Cracks were track walked.



Photo 20



Photo 21

### Chiquita Reaction Area Tracking of Fissures and Tension Cracks 5

**Fissure or Tension Crack Found?**

Yes

Using the attached image, annotate all areas where inspectors identified a fissure or tension crack.



**Grid Location**

151

Using the Media link below, attach the before photo of the fissure or tension crack.

18 Mar 2024 9:56 AM PDT





Photo 22



Photo 23

**Length of crack (ft) or area containing multiple cracks (ft x ft)**

10 ft

**Severity**

Small <2" in width

**Location**

(34.435755, -118.6472986)

**Was Fissure or Crack fixed? If yes, add photo and description of repairs performed**

Yes

Crack was track walked.



Photo 24



Photo 25

# 4050 - Chiquita Reaction Area Tracking of Fissures and Tension Cracks

19 Mar 2024 / Tom Roe

Complete

**Conducted on**

19 Mar 2024 8:44 AM PDT

---

**Prepared by**

Tom Roe

---



## Chiquita Reaction Area Tracking of Fissures and Tension Cracks

Chiquita Reaction Area Tracking of Fissures and Tension Cracks

Chiquita Reaction Area Tracking of Fissures and Tension Cracks  
1

**Fissure or Tension Crack Found?**

Yes

**Using the attached image, annotate all areas where inspectors identified a fissure or tension crack.**



**Grid Location**

152

**Using the Media link below, attach the before photo of the fissure or tension crack.**

19 Mar 2024 8:50 AM PDT



Photo 1



Photo 2

**Length of crack (ft) or area containing multiple cracks (ft x ft)**

40 ft

Severity

Small <2" in width

Location

(34.4355693, -118.6472)

Was Fissure or Crack fixed? If yes, add photo and description of repairs performed

Yes

Crack was track walked.



Photo 3

Chiquita Reaction Area Tracking of Fissures and Tension Cracks  
2

Fissure or Tension Crack Found?

Yes

Using the attached image, annotate all areas where inspectors identified a fissure or tension crack.



Grid Location

179

Using the Media link below, attach the before photo of the fissure or tension crack.

19 Mar 2024 9:06 AM PDT



Photo 4



Photo 5



Photo 6

**Length of crack (ft) or area containing multiple cracks (ft x ft)**

15ft x 30ft

**Severity**

Small <2" in width

**Location**

(34.4355239, -118.649459)

**Was Fissure or Crack fixed? If yes, add photo and description of repairs performed**

Yes

Cracks were track walked.





Photo 7



Photo 8

### Chiquita Reaction Area Tracking of Fissures and Tension Cracks 3

**Fissure or Tension Crack Found?**

Yes

**Using the attached image, annotate all areas where inspectors identified a fissure or tension crack.**



**Grid Location**

173

**Using the Media link below, attach the before photo of the fissure or tension crack.**

19 Mar 2024 9:15 AM PDT





Photo 9



Photo 10



Photo 11



Photo 12



Photo 13

**Length of crack (ft) or area containing multiple cracks (ft x ft)**

60ft x 80ft

**Severity**

Small <2" in width

Location

(34.434874, -118.6490576)

Was Fissure or Crack fixed? If yes, add photo and description of repairs performed

Yes

Cracks were track walked.

LAT:34.434889 LON:-118.648984



Photo 14

LAT:34.434889 LON:-118.648984



Photo 15

Chiquita Reaction Area Tracking of Fissures and Tension Cracks  
4

Fissure or Tension Crack Found?

Yes

Using the attached image, annotate all areas where inspectors identified a fissure or tension crack.



Grid Location

177

Using the Media link below, attach the before photo of the fissure of tension crack.

19 Mar 2024 9:24 AM PDT





Photo 16



Photo 17



Photo 18



Photo 19

**Length of crack (ft) or area containing multiple cracks (ft x ft)**

25ft x 50ft

**Severity**

Small <2" in width

**Location**

(34.4353515, -118.6489231)

**Was Fissure or Crack fixed? If yes, add photo and description of repairs performed**

Yes

Cracks were track walked.



Photo 20



Photo 21



# 4050 - Chiquita Reaction Area Tracking of Fissures and Tension Cracks

20 Mar 2024 / John Boucher

Complete

**Conducted on**

20 Mar 2024 8:24 AM PDT

---

**Prepared by**

John Boucher

---

## Chiquita Reaction Area Tracking of Fissures and Tension Cracks

Chiquita Reaction Area Tracking of Fissures and Tension Cracks

Chiquita Reaction Area Tracking of Fissures and Tension Cracks  
1

Fissure or Tension Crack Found?

Yes

Using the attached image, annotate all areas where inspectors identified a fissure or tension crack.



Grid Location

185

Using the Media link below, attach the before photo of the fissure or tension crack.

20 Mar 2024 8:24 AM PDT



Photo 1



Photo 2



Photo 3



Photo 4



Photo 5



Photo 6

**Length of crack (ft) or area containing multiple cracks (ft x ft)**

50ft

**Severity**

Small <2" in width

**Location**

(34.4364241, -118.6488634)

**Was Fissure or Crack fixed? If yes, add photo and description of repairs performed**

Yes

Cracks were track walked.





Photo 7



Photo 8

Chiquita Reaction Area Tracking of Fissures and Tension Cracks  
2

**Fissure or Tension Crack Found?**

Yes

Using the attached image, annotate all areas where inspectors identified a fissure or tension crack.



**Grid Location**

184

Using the Media link below, attach the before photo of the fissure or tension crack.

20 Mar 2024 8:31 AM PDT





Photo 9



Photo 10

**Length of crack (ft) or area containing multiple cracks (ft x ft)**

6ft

**Severity**

Small <2" in width

**Location**

(34.4364096, -118.6494495)

**Was Fissure or Crack fixed? If yes, add photo and description of repairs performed**

Yes

Cracks were track walked.



Photo 11



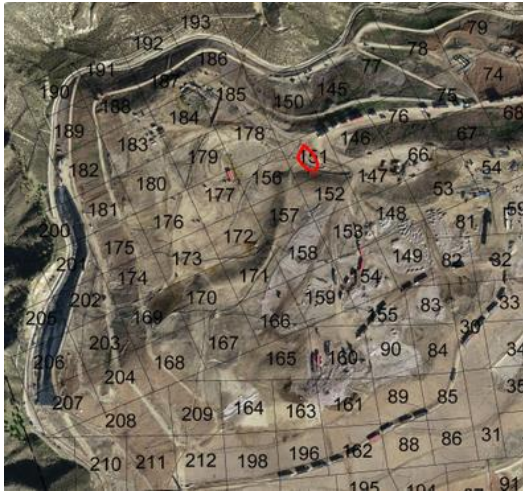
Photo 12

Chiquita Reaction Area Tracking of Fissures and Tension Cracks  
3

**Fissure or Tension Crack Found?**

Yes

**Using the attached image, annotate all areas where inspectors identified a fissure or tension crack.**



**Grid Location**

151

**Using the Media link below, attach the before photo of the fissure of tension crack.**

20 Mar 2024 8:41 AM PDT



Photo 13



Photo 14

**Length of crack (ft) or area containing multiple cracks (ft x ft)**

30ft x 30ft area

**Severity**

Small <2" in width

**Location**

(34.4358678, -118.647578)

**Was Fissure or Crack fixed? If yes, add photo and description of repairs performed**

Yes

Cracks were track walked.





Photo 15

### Chiquita Reaction Area Tracking of Fissures and Tension Cracks 4

**Fissure or Tension Crack Found?**

Yes

**Using the attached image, annotate all areas where inspectors identified a fissure or tension crack.**



**Grid Location**

152

**Using the Media link below, attach the before photo of the fissure of tension crack.**

20 Mar 2024 8:51 AM PDT



Photo 16



Photo 17



Photo 18

**Length of crack (ft) or area containing multiple cracks (ft x ft)**

50ft x 20ft area

**Severity**

Small <2" in width

**Location**

(34.4356492, -118.6470855)

**Was Fissure or Crack fixed? If yes, add photo and description of repairs performed**

Yes

Cracks were track walked.





Photo 19

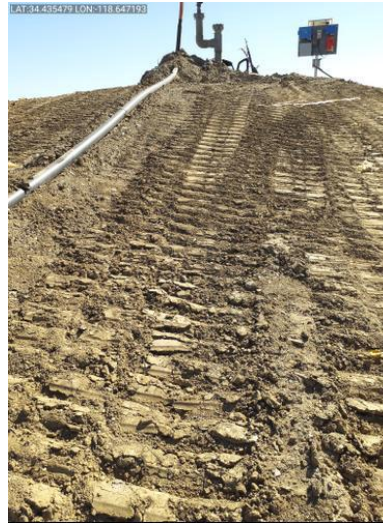


Photo 20

Chiquita Reaction Area Tracking of Fissures and Tension Cracks  
5

**Fissure or Tension Crack Found?**

Yes

Using the attached image, annotate all areas where inspectors identified a fissure or tension crack.



**Grid Location**

177

Using the Media link below, attach the before photo of the fissure or tension crack.

20 Mar 2024 9:00 AM PDT



Photo 21



Photo 22

**Length of crack (ft) or area containing multiple cracks (ft x ft)**

30ft x 20ft area

**Severity**

Small <2" in width

**Location**

(34.4355461, -118.6483866)

**Was Fissure or Crack fixed? If yes, add photo and description of repairs performed**

Yes

Cracks were track walked.



Photo 23



Photo 24

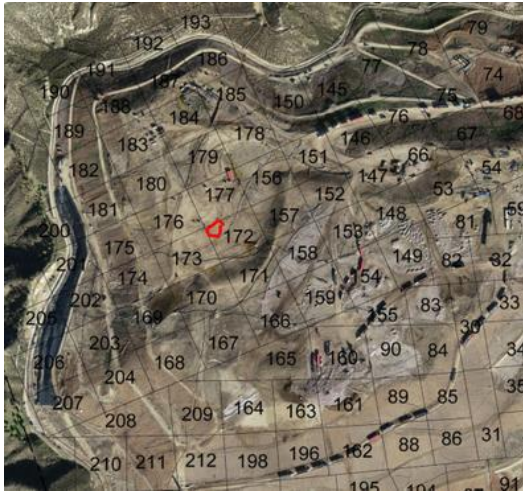
Chiquita Reaction Area Tracking of Fissures and Tension Cracks  
6

**Fissure or Tension Crack Found?**

Yes

**Using the attached image, annotate all areas where inspectors identified a fissure or tension crack.**





**Grid Location**

172

**Using the Media link below, attach the before photo of the fissure of tension crack.**

20 Mar 2024 9:08 AM PDT



Photo 25



Photo 26

**Length of crack (ft) or area containing multiple cracks (ft x ft)**

40ft

**Severity**

Small <2" in width

**Location**

(34.4350241, -118.6484971)

**Was Fissure or Crack fixed? If yes, add photo and description of repairs performed**

Yes

Cracks were track walked.



Photo 27



Photo 28



# 4050 - Chiquita Reaction Area Tracking of Fissures and Tension Cracks

21 Mar 2024 / Donald Senegal

Complete

**Conducted on**

21 Mar 2024 2:37 PM PDT

---

**Prepared by**

Donald Senegal

---

## Chiquita Reaction Area Tracking of Fissures and Tension Cracks

Chiquita Reaction Area Tracking of Fissures and Tension Cracks

Chiquita Reaction Area Tracking of Fissures and Tension Cracks  
1

**Fissure or Tension Crack Found?**

No

Images of area where cracks have been previously found near grid 177.

PA:04 435277 LON:118.649269



Photo 1

# 4050 - Chiquita Reaction Area Tracking of Fissures and Tension Cracks

22 Mar 2024 / John Boucher

Complete

**Conducted on**

22 Mar 2024 8:36 AM PDT

---

**Prepared by**

John Boucher

---

## Chiquita Reaction Area Tracking of Fissures and Tension Cracks

Chiquita Reaction Area Tracking of Fissures and Tension Cracks

Chiquita Reaction Area Tracking of Fissures and Tension Cracks  
1

**Fissure or Tension Crack Found?**

Yes

**Using the attached image, annotate all areas where inspectors identified a fissure or tension crack.**



**Grid Location**

151

**Using the Media link below, attach the before photo of the fissure or tension crack.**

22 Mar 2024 8:36 AM PDT



Photo 1



Photo 2





Photo 3



Photo 4



Photo 5



Photo 6



Photo 7

**Length of crack (ft) or area containing multiple cracks (ft x ft)**

25ft x 40ft area

**Severity**

Small <2" in width

Location

(34.4355964, -118.6478617)

Was Fissure or Crack fixed? If yes, add photo and description of repairs performed

Yes

Cracks were track walked.



Photo 8



Photo 9

Chiquita Reaction Area Tracking of Fissures and Tension Cracks  
2

Fissure or Tension Crack Found?

Yes

Using the attached image, annotate all areas where inspectors identified a fissure or tension crack.



Grid Location

156

Using the Media link below, attach the before photo of the fissure of tension crack.

22 Mar 2024 8:46 AM PDT





Photo 10



Photo 11

**Length of crack (ft) or area containing multiple cracks (ft x ft)**

3ft

**Severity**

Small <2" in width

**Location**

(34.4355019, -118.6482417)

**Was Fissure or Crack fixed? If yes, add photo and description of repairs performed**

Yes

Cracks were track walked.



Photo 12



Photo 13

Chiquita Reaction Area Tracking of Fissures and Tension Cracks  
3

**Fissure or Tension Crack Found?**

Yes

**Using the attached image, annotate all areas where inspectors identified a fissure or tension crack.**



**Grid Location**

172

**Using the Media link below, attach the before photo of the fissure of tension crack.**

22 Mar 2024 9:06 AM PDT



Photo 14



Photo 15

**Length of crack (ft) or area containing multiple cracks (ft x ft)**

30 ft

**Severity**

Small <2" in width

**Location**

(34.435037, -118.6484284)

**Was Fissure or Crack fixed? If yes, add photo and description of repairs performed**

Yes

Cracks were track walked.





Photo 16



Photo 17

### Chiquita Reaction Area Tracking of Fissures and Tension Cracks 4

**Fissure or Tension Crack Found?**

Yes

**Using the attached image, annotate all areas where inspectors identified a fissure or tension crack.**



**Grid Location**

177

**Using the Media link below, attach the before photo of the fissure or tension crack.**

22 Mar 2024 9:21 AM PDT





Photo 18



Photo 19



Photo 20



Photo 21



Photo 22



Photo 23





Photo 24

**Length of crack (ft) or area containing multiple cracks (ft x ft)**

25ft x 25ft area

**Severity**

Small <2" in width

**Location**

(34.4353688, -118.6489821)

**Was Fissure or Crack fixed? If yes, add photo and description of repairs performed**

Yes

Cracks were track walked.



Photo 25



Photo 26



Photo 27

Chiquita Reaction Area Tracking of Fissures and Tension Cracks  
5

**Fissure or Tension Crack Found?**

Yes

Using the attached image, annotate all areas where inspectors identified a fissure or tension crack.



**Grid Location**

176

Using the Media link below, attach the before photo of the fissure or tension crack.

22 Mar 2024 9:29 AM PDT





Photo 28



Photo 29

**Length of crack (ft) or area containing multiple cracks (ft x ft)**

6ft x 4ft area

**Severity**

Small <2" in width

**Location**

(34.4353028, -118.6496554)

**Was Fissure or Crack fixed? If yes, add photo and description of repairs performed**

Yes

Cracks were track walked.



Photo 30



Photo 31

# 4050 - Chiquita Reaction Area Tracking of Fissures and Tension Cracks

23 Mar 2024 / John boucher

Complete

**Conducted on**

23 Mar 2024 9:12 AM PDT

---

**Prepared by**

John boucher

---

# Chiquita Reaction Area Tracking of Fissures and Tension Cracks

Chiquita Reaction Area Tracking of Fissures and Tension Cracks

Chiquita Reaction Area Tracking of Fissures and Tension Cracks  
1

**Fissure or Tension Crack Found?**

No

Images of area where cracks have been previously found near grid 177.

LAT:34.436271 LON:-118.649186



Photo 1

LAT:34.436271 LON:-118.649186



Photo 2

LAT:34.436271 LON:-118.649186



Photo 3

# 4050 - Chiquita Reaction Area Tracking of Fissures and Tension Cracks

23 Mar 2024 / John boucher

Complete

**Conducted on**

23 Mar 2024 9:12 AM PDT

---

**Prepared by**

John boucher

---



# Chiquita Reaction Area Tracking of Fissures and Tension Cracks

Chiquita Reaction Area Tracking of Fissures and Tension Cracks

Chiquita Reaction Area Tracking of Fissures and Tension Cracks  
1

**Fissure or Tension Crack Found?**

No

Images of area where cracks have been previously found near grid 177.

LAT:34.436271 LON:-118.649186



Photo 1

LAT:34.436271 LON:-118.649186



Photo 2

LAT:34.436271 LON:-118.649186



Photo 3

## **Settlement**

**The bi-weekly drone flyover was not conducted this week. The drone data from the next flyover event will be included in the next weekly report.**

# Geosynthetic Cover

# 4050 - Geosynthetic Cover Inspection

18 Mar 2024 / Tom Roe

Complete

Flagged items

0

Conducted on

18 Mar 2024 7:57 AM PDT

Prepared by

Tom Roe



## Identification of Issues

Identified Issue

Identified Issue 1

Are there any issues with the geosynthetic cover?

No



Photo 1



Photo 2



Photo 3

# 4050 - Geosynthetic Cover Inspection

19 Mar 2024 / Tom Roe

Complete

Flagged items

0

Conducted on

19 Mar 2024 7:47 AM PDT

Prepared by

Tom Roe

## Identification of Issues

Identified Issue

Identified Issue 1

Are there any issues with the geosynthetic cover?

No



Photo 1



Photo 2



Photo 3



Photo 4



Photo 5

---



# 4050 - Geosynthetic Cover Inspection

20 Mar 2024 / John Boucher

Complete

**Flagged items**

0

**Conducted on**

20 Mar 2024 7:43 AM PDT

**Prepared by**

John Boucher

## Identification of Issues

Identified Issue

Identified Issue 1

Are there any issues with the geosynthetic cover?

No



Photo 1



Photo 2



Photo 3



Photo 4



Photo 5

---

# 4050 - Geosynthetic Cover Inspection

21 Mar 2024 / Amanda Froman

Complete

**Flagged items**

0

**Conducted on**

21 Mar 2024 8:50 AM PDT

**Prepared by**

Amanda Froman



## Identification of Issues

Identified Issue

Identified Issue 1

Are there any issues with the geosynthetic cover?

No



Photo 1

# 4050 - Geosynthetic Cover Inspection

22 Mar 2024 / John boucher

Complete

**Flagged items**

0

**Conducted on**

22 Mar 2024 7:58 AM PDT

**Prepared by**

John boucher

## Identification of Issues

Identified Issue

Identified Issue 1

Are there any issues with the geosynthetic cover?

No



Photo 1



Photo 2



Photo 3

# 4050 - Geosynthetic Cover Inspection

23 Mar 2024 / John Boucher

Complete

**Flagged items**

0

**Conducted on**

23 Mar 2024 8:03 AM PDT

**Prepared by**

John Boucher



## Identification of Issues

Identified Issue

Identified Issue 1

Are there any issues with the geosynthetic cover?

No

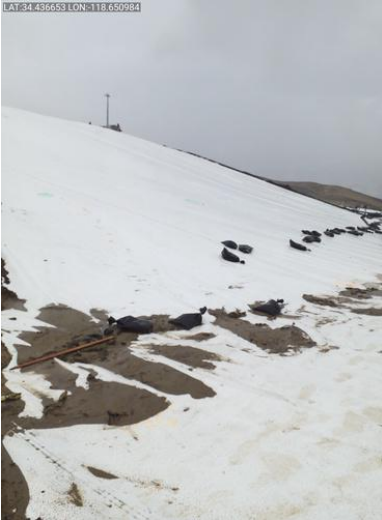


Photo 1



Photo 2



# CHIQUITA CANYON

*A Waste Connections Company*

March 5, 2024

***Via E-Mail***

Karen Gork  
Chief Environmental Health Specialist  
Los Angeles County Department of Public Health  
Local Enforcement Agency  
Environmental Programs Division  
5050 Commerce Drive,  
Baldwin Park, California 91706  
[KGork@ph.lacounty.gov](mailto:KGork@ph.lacounty.gov)

**Re: Chiquita Canyon, LLC's Weekly Report on the Documentation and Tracking of Cover Issues**

Dear Ms. Gork:

In accordance with the *Revised Written Plan Regarding the Documentation and Tracking of Cover Issues*, dated December 21, 2023, Chiquita Canyon, LLC presents the enclosed report for documenting and tracking cover issues for the week of February 26, 2024 to March 2, 2024.

Please contact me in the event you have any questions regarding this matter.

Regards,

Steve Cassulo  
District Manager  
Chiquita Canyon, LLC

Attachment: February 26, 2024 Weekly Cover Issues Report

cc: Mark Como, Department of Public Health  
Eric Morofuji, Department of Public Health

# **Fissures and Tension Cracks**

# 4050 - Chiquita Reaction Area Tracking of Fissures and Tension Cracks

26 Feb 2024 / Tom Roe

Complete

**Conducted on**

26 Feb 2024 8:44 AM PST

---

**Prepared by**

Tom Roe

---



## Chiquita Reaction Area Tracking of Fissures and Tension Cracks

Chiquita Reaction Area Tracking of Fissures and Tension Cracks

Chiquita Reaction Area Tracking of Fissures and Tension Cracks  
1

**Fissure or Tension Crack Found?**

Yes

Using the attached image, annotate all areas where inspectors identified a fissure or tension crack.



**Grid Location**

150

Using the Media link below, attach the before photo of the fissure or tension crack.

26 Feb 2024 8:45 AM PST



Photo 1



Photo 2

**Length of crack (ft) or area containing multiple cracks (ft x ft)**

5 ft

Severity

Small <2" in width

Location

764 Avenida Abeja, Castaic, CA  
92069, USA  
(34.4260575, -118.6472177)

Was Fissure or Crack fixed? If yes, add photo and description of repairs performed

Yes

Cracks were track walked.



Photo 3



Photo 4

Chiquita Reaction Area Tracking of Fissures and Tension Cracks  
2

Fissure or Tension Crack Found?

Yes

Using the attached image, annotate all areas where inspectors identified a fissure or tension crack.



Grid Location

179

Using the Media link below, attach the before photo of the

26 Feb 2024 8:59 AM PST



**fissure of tension crack.**



Photo 5



Photo 6



Photo 7



Photo 8



Photo 9



Photo 10

**Length of crack (ft) or area containing multiple cracks (ft x ft)**

10ft x 50ft

Multiple Cracks

**Severity**

Small <2" in width

**Location**

(34.4358608, -118.6497762)

**Was Fissure or Crack fixed? If yes, add photo and description of repairs performed**

Yes

Cracks were track walked.



Photo 11



Photo 12



Photo 13

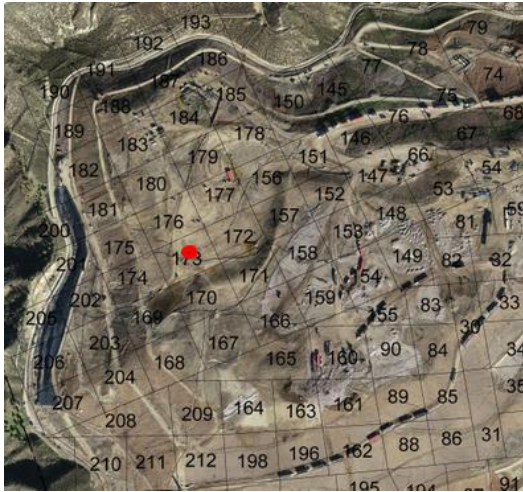
Chiquita Reaction Area Tracking of Fissures and Tension Cracks  
3

**Fissure or Tension Crack Found?**

Yes

**Using the attached image, annotate all areas where inspectors identified a fissure or tension crack.**





**Grid Location**

173

**Using the Media link below, attach the before photo of the fissure of tension crack.**

26 Feb 2024 9:14 AM PST



Photo 14



Photo 15

**Length of crack (ft) or area containing multiple cracks (ft x ft)**

20 ft

**Severity**

Small <2" in width

**Location**

(34.4350604, -118.649201)

**Was Fissure or Crack fixed? If yes, add photo and description of repairs performed**

Yes

Cracks were track walked.



Photo 16



Photo 17

### Chiquita Reaction Area Tracking of Fissures and Tension Cracks 4

**Fissure or Tension Crack Found?**

Yes

**Using the attached image, annotate all areas where inspectors identified a fissure or tension crack.**



**Grid Location**

172

**Using the Media link below, attach the before photo of the fissure or tension crack.**

26 Feb 2024 9:25 AM PST



Photo 18



Photo 19



Photo 20



Photo 21

**Length of crack (ft) or area containing multiple cracks (ft x ft)**

3ft x 20ft

A few small cracks

**Severity**

Small <2" in width

**Location**

(34.4353809, -118.6489036)

**Was Fissure or Crack fixed? If yes, add photo and description of repairs performed**

Yes

Cracks were track walked.





Photo 22



Photo 23

Chiquita Reaction Area Tracking of Fissures and Tension Cracks  
5

**Fissure or Tension Crack Found?**

Yes

Using the attached image, annotate all areas where inspectors identified a fissure or tension crack.



**Grid Location**

184

Using the Media link below, attach the before photo of the fissure or tension crack.

26 Feb 2024 11:11 AM PST





Photo 24



Photo 25

**Length of crack (ft) or area containing multiple cracks (ft x ft)**

100 ft

**Severity**

Small <2" in width

**Location**

(34.436269, -118.6491304)

**Was Fissure or Crack fixed? If yes, add photo and description of repairs performed**

Yes

Cracks were track walked



Photo 26

# 4050 - Chiquita Reaction Area Tracking of Fissures and Tension Cracks

27 Feb 2024 / Tom Roe

Complete

**Conducted on**

27 Feb 2024 8:44 AM PST

---

**Prepared by**

Tom Roe

---

## Chiquita Reaction Area Tracking of Fissures and Tension Cracks

Chiquita Reaction Area Tracking of Fissures and Tension Cracks

Chiquita Reaction Area Tracking of Fissures and Tension Cracks  
1

Fissure or Tension Crack Found?

Yes

Using the attached image, annotate all areas where inspectors identified a fissure or tension crack.



Grid Location

179

Using the Media link below, attach the before photo of the fissure or tension crack.

27 Feb 2024 9:19 AM PST



Photo 1



Photo 2





Photo 3



Photo 4



Photo 5



Photo 6



Photo 7

**Length of crack (ft) or area containing multiple cracks (ft x ft)**

100ft x 100ft

**Severity**

Small <2" in width



Location

(34.4355365, -118.6496661)

Was Fissure or Crack fixed? If yes, add photo and description of repairs performed

Yes

Area with cracks was track walked.



Photo 8



Photo 9



Photo 10



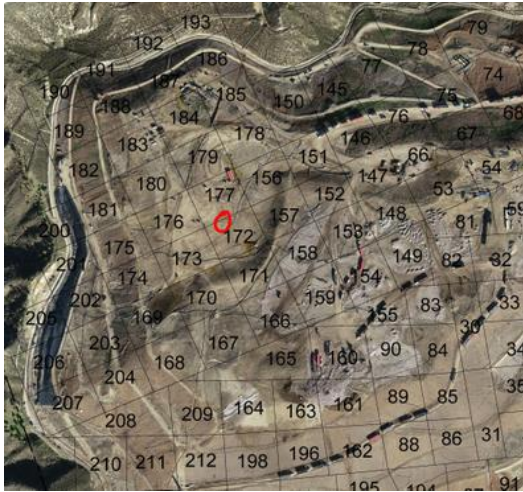
Photo 11

Chiquita Reaction Area Tracking of Fissures and Tension Cracks  
2

Fissure or Tension Crack Found?

Yes

Using the attached image, annotate all areas where inspectors identified a fissure or tension crack.



**Grid Location**

172

**Using the Media link below, attach the before photo of the fissure of tension crack.**

27 Feb 2024 9:48 AM PST



Photo 12



Photo 13



Photo 14



Photo 15





Photo 16

**Length of crack (ft) or area containing multiple cracks (ft x ft)**

75ft x 150ft

Multiple small cracks.

**Severity**

Small <2" in width

**Location**

(34.4354104, -118.648999)

**Was Fissure or Crack fixed? If yes, add photo and description of repairs performed**

Yes

Area with cracks was track walked.



Photo 17



Photo 18



Photo 19

---



# 4050 - Chiquita Reaction Area Tracking of Fissures and Tension Cracks

28 Feb 2024 / Tom Roe

Complete

**Conducted on**

28 Feb 2024 8:38 AM PST

---

**Prepared by**

Tom Roe

---

## Chiquita Reaction Area Tracking of Fissures and Tension Cracks

Chiquita Reaction Area Tracking of Fissures and Tension Cracks

Chiquita Reaction Area Tracking of Fissures and Tension Cracks  
1

**Fissure or Tension Crack Found?**

Yes

**Using the attached image, annotate all areas where inspectors identified a fissure or tension crack.**



**Grid Location**

152

**Using the Media link below, attach the before photo of the fissure or tension crack.**

28 Feb 2024 8:40 AM PST



Photo 1



Photo 2

**Length of crack (ft) or area containing multiple cracks (ft x ft)**

20 ft

Severity

Small <2" in width

Location

(34.4355632, -118.6473329)

Was Fissure or Crack fixed? If yes, add photo and description of repairs performed

Yes

Cracks were track walked.



Photo 3

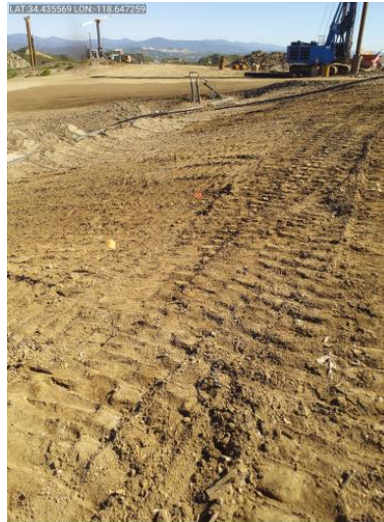


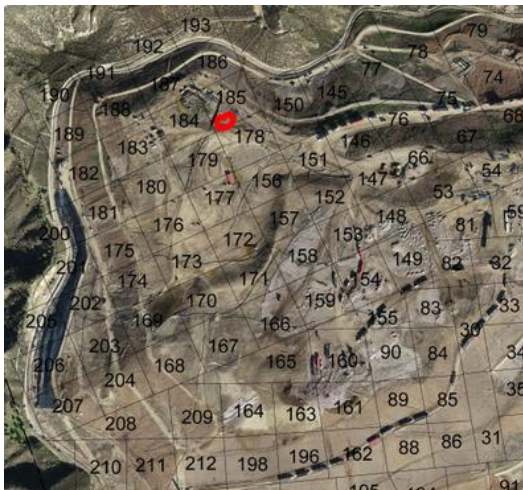
Photo 4

Chiquita Reaction Area Tracking of Fissures and Tension Cracks  
2

Fissure or Tension Crack Found?

Yes

Using the attached image, annotate all areas where inspectors identified a fissure or tension crack.



Grid Location

185

Using the Media link below, attach the before photo of the fissure of tension crack.

28 Feb 2024 9:22 AM PST





Photo 5



Photo 6



Photo 7

**Length of crack (ft) or area containing multiple cracks (ft x ft)**

5 ft x 10 ft

**Severity**

Small <2" in width

**Location**

(34.4363774, -118.6491059)

**Was Fissure or Crack fixed? If yes, add photo and description of repairs performed**

Yes

Cracks were track walked.





Photo 8



Photo 9

# 4050 - Chiquita Reaction Area Tracking of Fissures and Tension Cracks

29 Feb 2024 / John Boucher

Complete

**Conducted on**

29 Feb 2024 11:20 AM PST

---

**Prepared by**

John Boucher

---

## Chiquita Reaction Area Tracking of Fissures and Tension Cracks

Chiquita Reaction Area Tracking of Fissures and Tension Cracks

Chiquita Reaction Area Tracking of Fissures and Tension Cracks  
1

**Fissure or Tension Crack Found?**

Yes

**Using the attached image, annotate all areas where inspectors identified a fissure or tension crack.**



**Grid Location**

178

**Using the Media link below, attach the before photo of the fissure or tension crack.**

29 Feb 2024 11:21 AM PST



Photo 1



Photo 2

**Length of crack (ft) or area containing multiple cracks (ft x ft)**

40ft

Severity

Small <2" in width

Location

(34.4364145, -118.6488123)

Was Fissure or Crack fixed? If yes, add photo and description of repairs performed

Yes

New dirt added, tracked over and compacted



Photo 3



Photo 4



Photo 5



# 4050 - Chiquita Reaction Area Tracking of Fissures and Tension Cracks

1 Mar 2024 / John Boucher

Complete

**Conducted on**

1 Mar 2024 11:08 AM PST

---

**Prepared by**

John Boucher

---

## Chiquita Reaction Area Tracking of Fissures and Tension Cracks

Chiquita Reaction Area Tracking of Fissures and Tension Cracks

Chiquita Reaction Area Tracking of Fissures and Tension Cracks  
1

**Fissure or Tension Crack Found?**

No

Cracks/fissures were identified previously in this location although none were identified today. Image taken from grid 177, 178, 179.

LAT: 34.436300 LON: -118.648455



**Photo 1**

# 4050 - Chiquita Reaction Area Tracking of Fissures and Tension Cracks

2 Mar 2024 / John Boucher

Complete

**Conducted on**

2 Mar 2024 9:11 AM PST

---

**Prepared by**

John Boucher

---

## Chiquita Reaction Area Tracking of Fissures and Tension Cracks

Chiquita Reaction Area Tracking of Fissures and Tension Cracks

Chiquita Reaction Area Tracking of Fissures and Tension Cracks  
1

**Fissure or Tension Crack Found?**

No

Due to rain, I walked as much of the area as I could safely. The mud in a lot of the area was thick and my boots were starting to come off my feet. I was around grid 180, and I stopped when conditions felt unsafe.



Photo 1



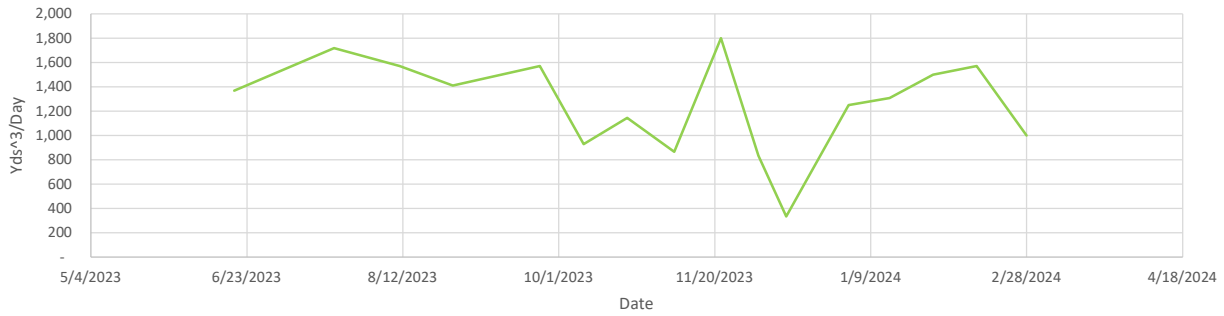
# Settlement

# Settlement

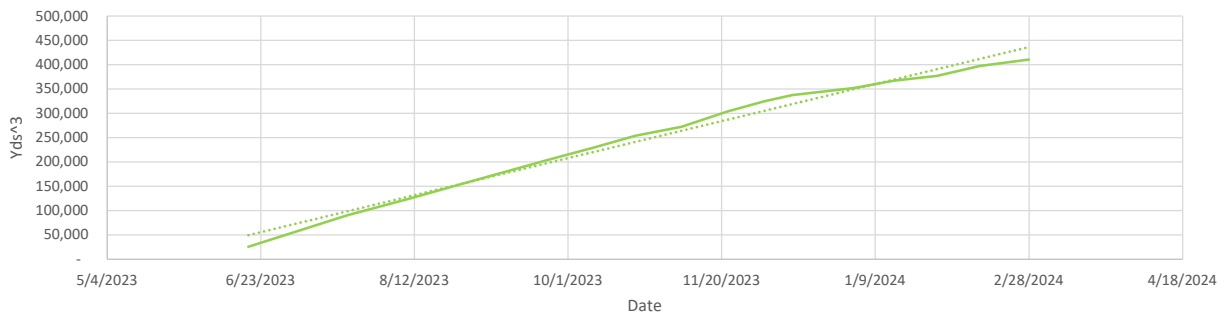
Notes

- \*Charts show the settlement in cubic yards measured at a fixed location
- \*The map shows the settlement area growth between 2/12/24 (in green) and 2/28/24 (in red). These polygons show the areas that have settled more than 5 feet since 5/31/24.
- \*Waste fill occurred near the measurement areas in May. Some of the early settlement is likely due to the initial waste settlement of a new fill.
- \*The major depression in the top deck was excluded because the soil fill used to prevent ponding would skew the settlement trends
- \*Measurements utilized a .5' deadzone (changes under .5' were not counted)
- \*Measurement areas 1 and 2 are shown on the "Data" page

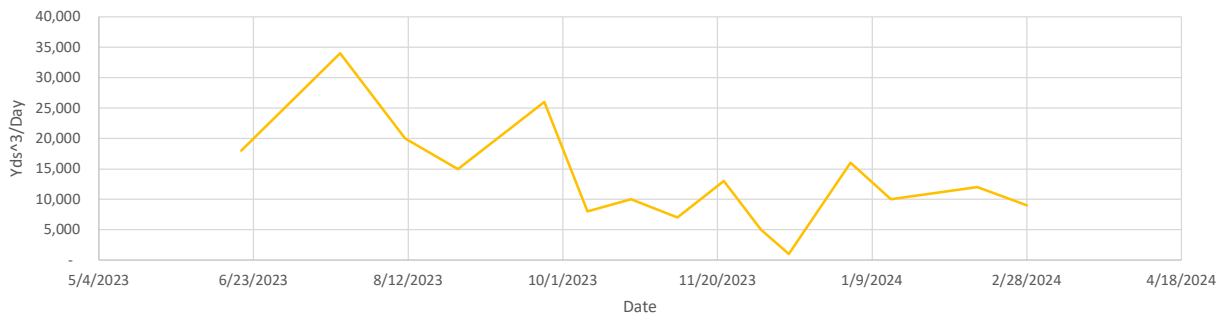
Location 1 Yds<sup>3</sup>/Day



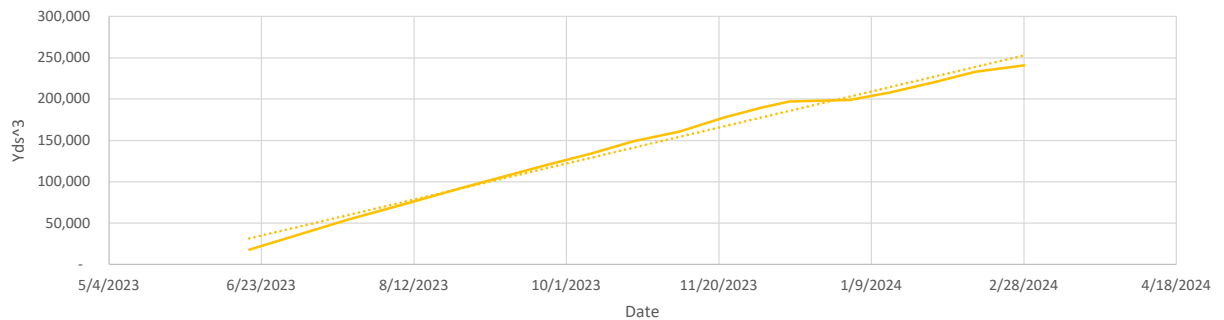
Location 1 Cumulative Volume Change



Location 2 Yds<sup>3</sup>/Day



Location 2 Yds<sup>3</sup>/Day



**Location 1**

Flyover Date	Days Between Flights	Volume Change	Cumulative Volume Change	Volume Change Per Day
5/31/2023	0	-	-	-
6/19/2023	19	26,000	26,000	1,368
7/21/2023	32	55,000	90,000	1,719
8/11/2023	21	33,000	126,000	1,571
8/28/2023	17	24,000	156,000	1,412
9/25/2023	28	44,000	205,000	1,571
10/9/2023	14	13,000	229,000	929
10/23/2023	14	16,000	254,000	1,143
11/7/2023	15	13,000	272,000	867
11/22/2023	15	27,000	304,000	1,800
12/4/2023	12	10,000	325,000	833
12/13/2023	9	3,000	338,000	333
1/2/2024	20	25,000	352,000	1,250
1/15/2024	13	17,000	367,000	1,308
1/29/2024	14	21,000	377,000	1,500
2/12/2024	14	22,000	398,000	1,571
2/28/2024	16	16,000	411,000	1,000



\*Waste fill near reaction area  
\*Waste fill near reaction area

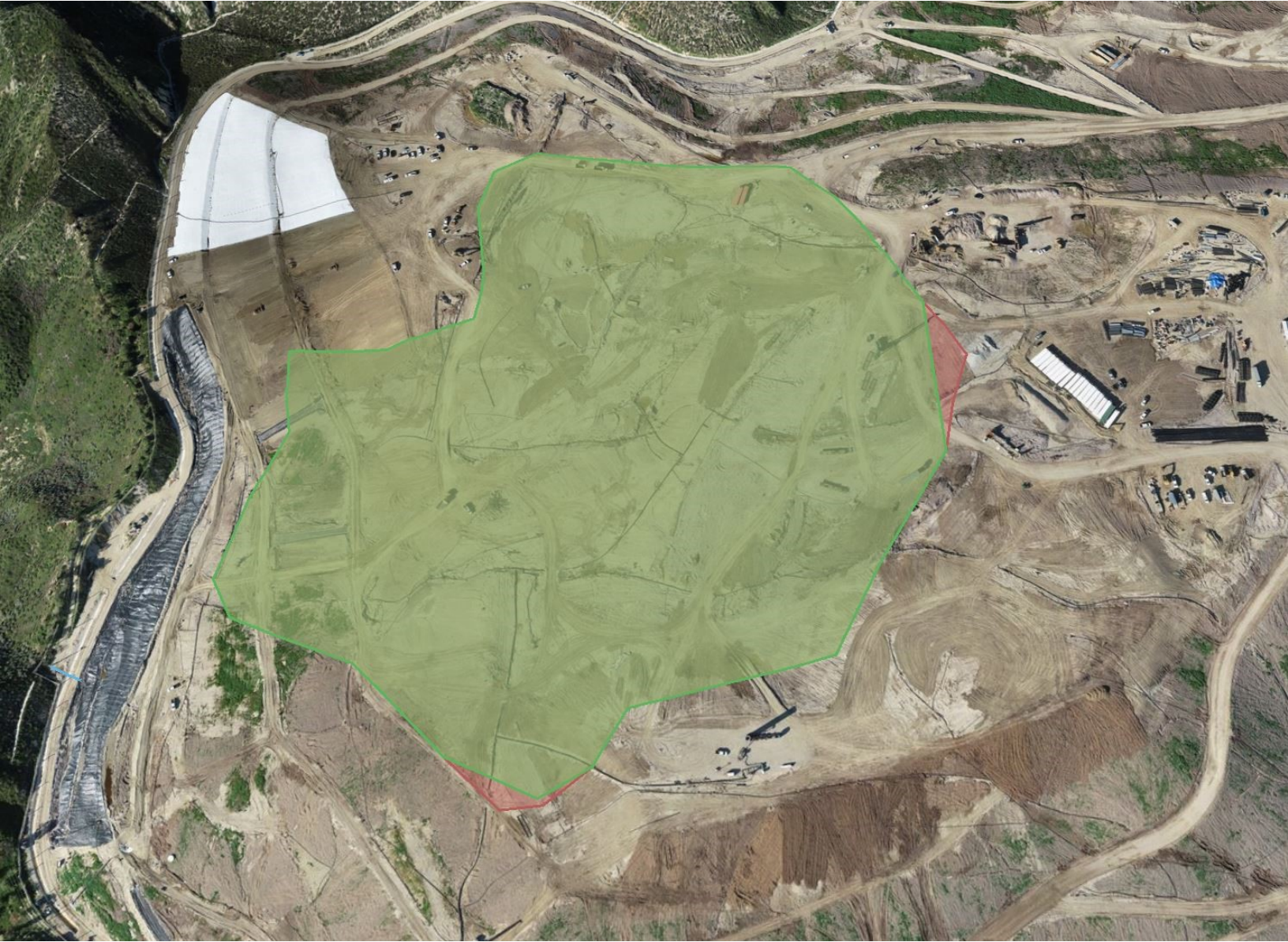
**Location 2**

Flyover Date	Days Between Flights	Volume Change	Cumulative Volume Change	Volume Change Per Day
5/31/2023	0	-	-	-
6/19/2023	19	18,000	18,000	947
7/21/2023	32	34,000	54,000	1,063
8/11/2023	21	20,000	75,000	952
8/28/2023	17	15,000	93,000	882
9/25/2023	28	26,000	121,000	929
10/9/2023	14	8,000	134,000	571
10/23/2023	14	10,000	149,000	714
11/7/2023	15	7,000	161,000	467
11/22/2023	15	13,000	178,000	867
12/4/2023	12	5,000	190,000	417
12/13/2023	9	1,000	197,000	111
1/2/2024	20	16,000	199,000	800
1/15/2024	13	10,000	208,000	769
1/29/2024	14	11,000	220,000	786
2/12/2024	14	12,000	233,000	857
2/28/2024	16	9,000	241,000	563



\*Waste fill near reaction area  
\*Waste fill near reaction area





# **Geosynthetic Cover**

# 4050 - Geosynthetic Cover Inspection

26 Feb 2024 / Tom Roe

Complete

Flagged items

0

Conducted on

26 Feb 2024 7:43 AM PST

Prepared by

Tom Roe

## Identification of Issues

Identified Issue

Identified Issue 1

Are there any issues with the geosynthetic cover?

No

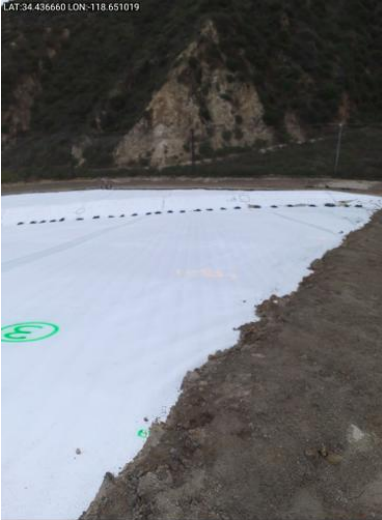


Photo 1



Photo 2



Photo 3



Photo 4



# 4050 - Geosynthetic Cover Inspection

27 Feb 2024 / Tom Roe

Complete

Flagged items

0

Conducted on

27 Feb 2024 7:54 AM PST

Prepared by

Tom Roe

## Identification of Issues

Identified Issue

Identified Issue 1

Are there any issues with the geosynthetic cover?

No

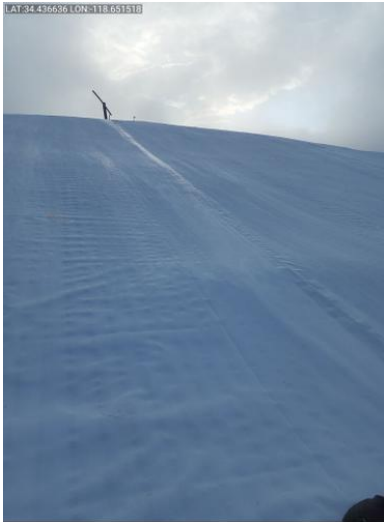


Photo 1



Photo 2



Photo 3



Photo 4

# 4050 - Geosynthetic Cover Inspection

28 Feb 2024 / Tom Roe

Complete

<b>Flagged items</b>	0
<b>Conducted on</b>	28 Feb 2024 7:44 AM PST
<b>Prepared by</b>	Tom Roe

## Identification of Issues

Identified Issue

Identified Issue 1

Are there any issues with the geosynthetic cover?

No



Photo 1



# 4050 - Geosynthetic Cover Inspection

29 Feb 2024 / John Boucher

Complete

**Flagged items**

0

**Conducted on**

29 Feb 2024 10:28 AM PST

**Prepared by**

John Boucher

## Identification of Issues

Identified Issue

Identified Issue 1

Are there any issues with the geosynthetic cover?

No



Photo 1



Photo 2

# 4050 - Geosynthetic Cover Inspection

1 Mar 2024 / John Boucher

Complete

Flagged items

0

Conducted on

1 Mar 2024 9:02 AM PST

Prepared by

John Boucher

## Identification of Issues

Identified Issue

Identified Issue 1

Are there any issues with the geosynthetic cover?

No



Photo 1



Photo 2



Photo 3



# 4050 - Geosynthetic Cover Inspection

2 Mar 2024 / John Boucher

Complete

**Flagged items**

0

**Conducted on**

2 Mar 2024 8:31 AM PST

**Prepared by**

John Boucher

## Identification of Issues

Identified Issue

Identified Issue 1

Are there any issues with the geosynthetic cover?

No



Photo 1



Photo 2



Photo 3



Photo 4



Photo 5

---



**CHIQUITA CANYON**  
*A Waste Connections Company*

March 12, 2024

***Via E-Mail***

Karen Gork  
Chief Environmental Health Specialist  
Los Angeles County Department of Public Health  
Local Enforcement Agency  
Environmental Programs Division  
5050 Commerce Drive,  
Baldwin Park, California 91706  
[KGork@ph.lacounty.gov](mailto:KGork@ph.lacounty.gov)

**Re: Chiquita Canyon, LLC's Weekly Report on the Documentation and Tracking of Cover Issues**

Dear Ms. Gork:

In accordance with the *Revised Written Plan Regarding the Documentation and Tracking of Cover Issues*, dated December 21, 2023, Chiquita Canyon, LLC presents the enclosed report for documenting and tracking cover issues for the week of March 4, 2024 to March 9, 2024.

Please contact me in the event you have any questions regarding this matter.

Regards,

Steve Cassulo  
District Manager  
Chiquita Canyon, LLC

Attachment: March 4, 2024 Weekly Cover Issues Report

cc: Mark Como, Department of Public Health  
Eric Morofuji, Department of Public Health



# **Fissures and Tension Cracks**

# 4050 - Chiquita Reaction Area Tracking of Fissures and Tension Cracks

4 Mar 2024 / Tom Roe

Complete

**Conducted on**

4 Mar 2024 10:47 AM PST

---

**Prepared by**

Tom Roe

---

## Chiquita Reaction Area Tracking of Fissures and Tension Cracks

Chiquita Reaction Area Tracking of Fissures and Tension Cracks

Chiquita Reaction Area Tracking of Fissures and Tension Cracks  
1

**Fissure or Tension Crack Found?**

No

I was able to inspect a majority the reaction area but some parts were still too wet and muddy to safely walk. Images from grids 177 and 180.



Photo 1



Photo 2



Photo 3

# 4050 - Chiquita Reaction Area Tracking of Fissures and Tension Cracks

5 Mar 2024 / Tom Roe

Complete

**Conducted on**

5 Mar 2024 8:59 AM PST

---

**Prepared by**

Tom Roe

---



## Chiquita Reaction Area Tracking of Fissures and Tension Cracks

Chiquita Reaction Area Tracking of Fissures and Tension Cracks

Chiquita Reaction Area Tracking of Fissures and Tension Cracks  
1

**Fissure or Tension Crack Found?**

Yes

**Using the attached image, annotate all areas where inspectors identified a fissure or tension crack.**



**Grid Location**

185

**Using the Media link below, attach the before photo of the fissure or tension crack.**

5 Mar 2024 9:00 AM PST



Photo 1



Photo 2



Photo 3



Photo 4

**Length of crack (ft) or area containing multiple cracks (ft xft)**

100 ft

**Severity**

Large >4" in width

**Location**

(34.436387, -118.6491264)

**Was Fissure or Crack fixed? If yes, add photo and description of repairs performed**

Yes

Larger hole was filled with dirt and then the hole and cracks were track walked.



Photo 5



Photo 6

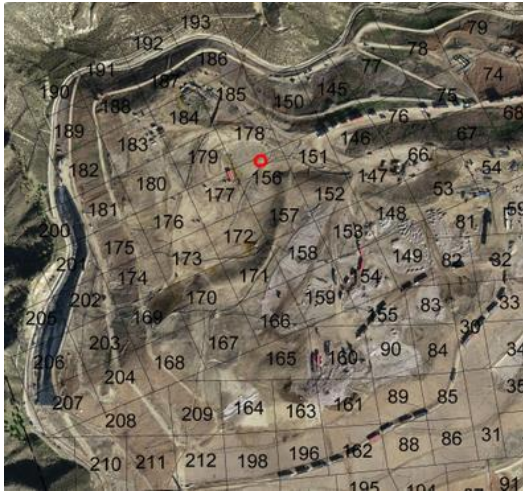
Chiquita Reaction Area Tracking of Fissures and Tension Cracks  
2

**Fissure or Tension Crack Found?**

Yes

**Using the attached image, annotate all areas where inspectors identified a fissure or tension crack.**





**Grid Location**

156

**Using the Media link below, attach the before photo of the fissure of tension crack.**

5 Mar 2024 9:34 AM PST



Photo 7



Photo 8

**Length of crack (ft) or area containing multiple cracks (ft xft)**

15 ft

**Severity**

Small <2" in width

**Location**

(34.4358198, -118.6484913)

**Was Fissure or Crack fixed? If yes, add photo and description of repairs performed**

Yes

Crack was track walked.



Photo 9



Photo 10

### Chiquita Reaction Area Tracking of Fissures and Tension Cracks 3

**Fissure or Tension Crack Found?**

Yes

**Using the attached image, annotate all areas where inspectors identified a fissure or tension crack.**



**Grid Location**

179

**Using the Media link below, attach the before photo of the fissure or tension crack.**

5 Mar 2024 9:42 AM PST



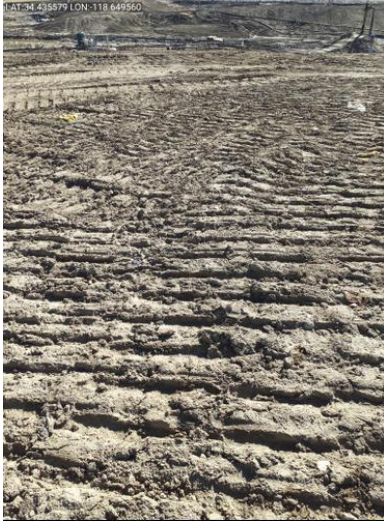


Photo 11

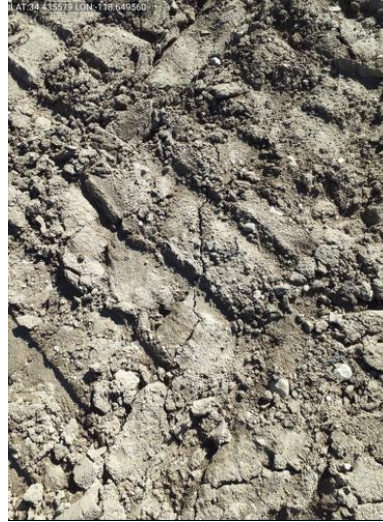


Photo 12



Photo 13

**Length of crack (ft) or area containing multiple cracks (ft xft)**

20 ft

**Severity**

Small <2" in width

**Location**

(34.4355731, -118.6495622)

**Was Fissure or Crack fixed? If yes, add photo and description of repairs performed**

Yes

Crack was track walked.



Photo 14



Photo 15

# 4050 - Chiquita Reaction Area Tracking of Fissures and Tension Cracks

6 Mar 2024 / John Boucher

Complete

**Conducted on**

6 Mar 2024 8:15 AM PST

---

**Prepared by**

John Boucher

---

## Chiquita Reaction Area Tracking of Fissures and Tension Cracks

Chiquita Reaction Area Tracking of Fissures and Tension Cracks

Chiquita Reaction Area Tracking of Fissures and Tension Cracks  
1

**Fissure or Tension Crack Found?**

Yes

**Using the attached image, annotate all areas where inspectors identified a fissure or tension crack.**



**Grid Location**

178

**Using the Media link below, attach the before photo of the fissure or tension crack.**

6 Mar 2024 8:16 AM PST



Photo 1



Photo 2





Photo 3

**Length of crack (ft) or area containing multiple cracks (ft xft)** 3ft

**Severity** Small <2" in width

**Location** (34.4363563, -118.6487051)

**Was Fissure or Crack fixed? If yes, add photo and description of repairs performed** Yes

Cracks were tack walked.



Photo 4



Photo 5

Chiquita Reaction Area Tracking of Fissures and Tension Cracks  
2

**Fissure or Tension Crack Found?** Yes

**Using the attached image, annotate all areas where inspectors identified a fissure or tension crack.**



**Grid Location**

184

**Using the Media link below, attach the before photo of the fissure of tension crack.**

6 Mar 2024 8:22 AM PST



Photo 6



Photo 7

**Length of crack (ft) or area containing multiple cracks (ft xft)**

60ft x 30ft

**Severity**

Small <2" in width

**Location**

(34.4355811, -118.6472138)

**Was Fissure or Crack fixed? If yes, add photo and description of repairs performed**

Yes

Cracks were track walked.



Photo 8



Photo 9



Photo 10

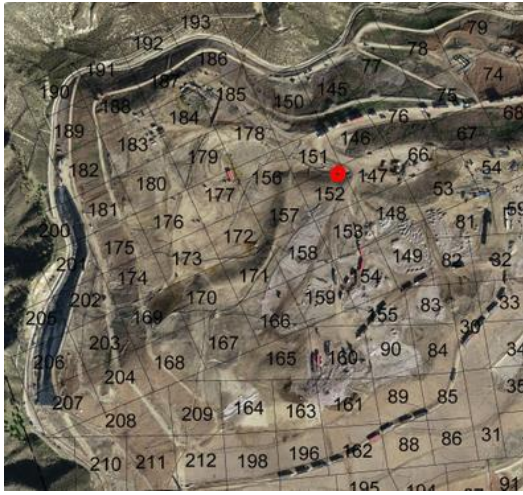
### Chiquita Reaction Area Tracking of Fissures and Tension Cracks 3

**Fissure or Tension Crack Found?**

Yes

**Using the attached image, annotate all areas where inspectors identified a fissure or tension crack.**





**Grid Location**

152

**Using the Media link below, attach the before photo of the fissure of tension crack.**

6 Mar 2024 9:11 AM PST

**Length of crack (ft) or area containing multiple cracks (ft xft)**

20ft x 20ft



Photo 11



Photo 12





Photo 13

**Severity**

Small <2" in width

**Location**

(34.4356242, -118.6472264)

**Was Fissure or Crack fixed? If yes, add photo and description of repairs performed**

Yes

Cracks were track walked.



Photo 14



Photo 15

# 4050 - Chiquita Reaction Area Tracking of Fissures and Tension Cracks

7 Mar 2024 / John Boucher

Complete

**Conducted on**

7 Mar 2024 9:38 AM PST

---

**Prepared by**

John Boucher

---

## Chiquita Reaction Area Tracking of Fissures and Tension Cracks

Chiquita Reaction Area Tracking of Fissures and Tension Cracks

Chiquita Reaction Area Tracking of Fissures and Tension Cracks  
1

**Fissure or Tension Crack Found?**

No

Cracks/fissures were identified previously in this location although none were identified today. Image taken from grid 177, 178, 179.



Photo 1

# 4050 - Chiquita Reaction Area Tracking of Fissures and Tension Cracks

8 Mar 2024 / John Boucher

Complete

**Conducted on**

8 Mar 2024 9:20 AM PST

---

**Prepared by**

John Boucher

---



## Chiquita Reaction Area Tracking of Fissures and Tension Cracks

Chiquita Reaction Area Tracking of Fissures and Tension Cracks

Chiquita Reaction Area Tracking of Fissures and Tension Cracks  
1

**Fissure or Tension Crack Found?**

Yes

**Using the attached image, annotate all areas where inspectors identified a fissure or tension crack.**



**Grid Location**

152

**Using the Media link below, attach the before photo of the fissure or tension crack.**

8 Mar 2024 9:21 AM PST



Photo 1



Photo 2

**Length of crack (ft) or area containing multiple cracks (ft xft)**

10ft

Severity

Small <2" in width

Location

(34.435629, -118.6473418)

Was Fissure or Crack fixed? If yes, add photo and description of repairs performed

Yes

Cracks were track walked.



Photo 3



Photo 4

# 4050 - Chiquita Reaction Area Tracking of Fissures and Tension Cracks

9 Mar 2024 / John Boucher

Complete

**Conducted on**

9 Mar 2024 9:24 AM PST

---

**Prepared by**

John Boucher

---

## Chiquita Reaction Area Tracking of Fissures and Tension Cracks

Chiquita Reaction Area Tracking of Fissures and Tension Cracks

Chiquita Reaction Area Tracking of Fissures and Tension Cracks  
1

Fissure or Tension Crack Found?

Yes

Using the attached image, annotate all areas where inspectors identified a fissure or tension crack.



Grid Location

179

Using the Media link below, attach the before photo of the fissure or tension crack.

9 Mar 2024 9:50 AM PST



Photo 1



Photo 2





Photo 3

**Length of crack (ft) or area containing multiple cracks (ft xft)**

10ft x 10 ft

**Severity**

Small <2" in width

**Location**

(34.4356273, -118.6495237)

**Was Fissure or Crack fixed? If yes, add photo and description of repairs performed**

Yes

Cracks were track walked.



Photo 4



Photo 5



Photo 6

## Chiquita Reaction Area Tracking of Fissures and Tension Cracks 2

**Fissure or Tension Crack Found?**

Yes

**Using the attached image, annotate all areas where inspectors identified a fissure or tension crack.**



**Grid Location**

178

**Using the Media link below, attach the before photo of the fissure or tension crack.**

9 Mar 2024 9:58 AM PST



Photo 7



Photo 8

**Length of crack (ft) or area containing multiple cracks (ft xft)**

35ft

**Severity**

Small <2" in width

**Location**

(34.4363614, -118.6488007)

**Was Fissure or Crack fixed? If yes, add photo and description of repairs performed**

Yes

Cracks were track walked.



Photo 9



Photo 10

## **Settlement**

**The bi-weekly drone flyover was not conducted this week. The drone data from the next flyover event will be included in the next weekly report.**



# Geosynthetic Cover

# 4050 - Geosynthetic Cover Inspection

4 Mar 2024 / Tom Roe

Complete

Flagged items

0

Conducted on

4 Mar 2024 9:40 AM PST

Prepared by

Tom Roe

## Identification of Issues

Identified Issue

Identified Issue 1

Are there any issues with the geosynthetic cover?

No



Photo 1



Photo 2



Photo 3



Photo 4

# 4050 - Geosynthetic Cover Inspection

5 Mar 2024 / Tom Roe

Complete

Flagged items

0

Conducted on

5 Mar 2024 8:07 AM PST

Prepared by

Tom Roe



## Identification of Issues

Identified Issue

Identified Issue 1

Are there any issues with the geosynthetic cover?

No

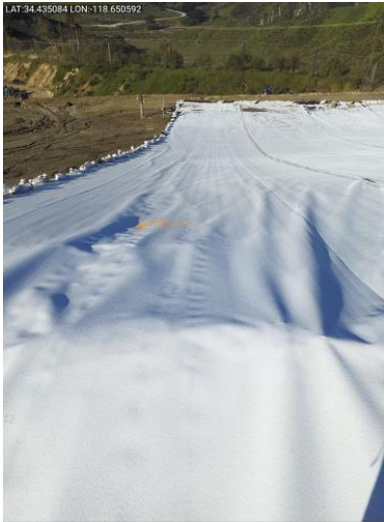


Photo 1



Photo 2



Photo 3



Photo 4

# 4050 - Geosynthetic Cover Inspection

6 Mar 2024 / Tom Roe

Complete

**Flagged items**

0

**Conducted on**

6 Mar 2024 7:34 AM PST

**Prepared by**

Tom Roe

## Identification of Issues

Identified Issue

Identified Issue 1

Are there any issues with the geosynthetic cover?

No



Photo 1



Photo 2

# 4050 - Geosynthetic Cover Inspection

7 Mar 2024 / John Boucher

Complete

**Flagged items**

0

**Conducted on**

7 Mar 2024 7:50 AM PST

**Prepared by**

John Boucher



## Identification of Issues

Identified Issue

Identified Issue 1

Are there any issues with the geosynthetic cover?

No



Photo 1

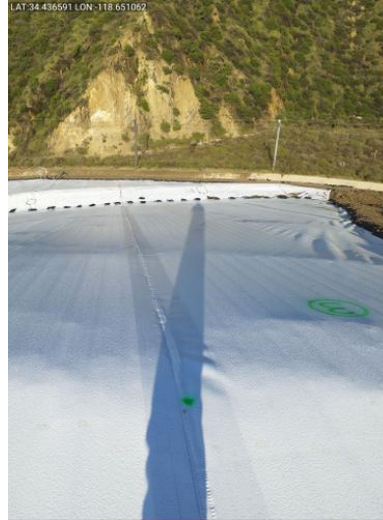


Photo 2



Photo 3



Photo 4

# 4050 - Geosynthetic Cover Inspection

8 Mar 2024 / John Boucher

Complete

**Flagged items**

0

**Conducted on**

8 Mar 2024 7:50 AM PST

**Prepared by**

John Boucher

## Identification of Issues

Identified Issue

Identified Issue 1

Are there any issues with the geosynthetic cover?

No



Photo 1



Photo 2



Photo 3



Photo 4



Photo 5

---



# 4050 - Geosynthetic Cover Inspection

9 Mar 2024 / John Boucher

Complete

**Flagged items**

0

**Conducted on**

9 Mar 2024 7:27 AM PST

**Prepared by**

John Boucher

## Identification of Issues

Identified Issue

Identified Issue 1

Are there any issues with the geosynthetic cover?

No



Photo 1



Photo 2



Photo 3



Photo 4



# CHIQUITA CANYON

*A Waste Connections Company*

March 19, 2024

***Via E-Mail***

Karen Gork  
Chief Environmental Health Specialist  
Los Angeles County Department of Public Health  
Local Enforcement Agency  
Environmental Programs Division  
5050 Commerce Drive,  
Baldwin Park, California 91706  
[KGork@ph.lacounty.gov](mailto:KGork@ph.lacounty.gov)

**Re: Chiquita Canyon, LLC's Weekly Report on the Documentation and Tracking of Cover Issues**

Dear Ms. Gork:

In accordance with the *Revised Written Plan Regarding the Documentation and Tracking of Cover Issues*, dated December 21, 2023, Chiquita Canyon, LLC presents the enclosed report for documenting and tracking cover issues for the week of March 11, 2024 to March 16, 2024.

Please contact me in the event you have any questions regarding this matter.

Regards,

Amanda Froman  
Compliance Manager  
Chiquita Canyon, LLC

Attachment: March 11, 2024 Weekly Cover Issues Report

cc: Mark Como, Department of Public Health  
Eric Morofuji, Department of Public Health

# **Fissures and Tension Cracks**



# 4050 - Chiquita Reaction Area Tracking of Fissures and Tension Cracks

11 Mar 2024 / Tom Roe

Complete

**Conducted on**

11 Mar 2024 8:36 AM PDT

---

**Prepared by**

Tom Roe

---

## Chiquita Reaction Area Tracking of Fissures and Tension Cracks

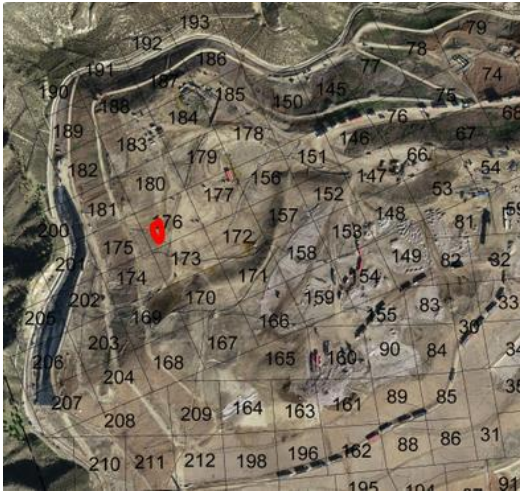
Chiquita Reaction Area Tracking of Fissures and Tension Cracks

Chiquita Reaction Area Tracking of Fissures and Tension Cracks  
1

Fissure or Tension Crack Found?

Yes

Using the attached image, annotate all areas where inspectors identified a fissure or tension crack.



Grid Location

176

Using the Media link below, attach the before photo of the fissure or tension crack.

11 Mar 2024 8:47 AM PDT



Photo 1



Photo 2



Photo 3



Photo 4



Photo 5

**Length of crack (ft) or area containing multiple cracks (ft x ft)**

75 ft x 30 ft

**Severity**

Large >4" in width

**Location**

(34.4354699, -118.6497992)

**Was Fissure or Crack fixed? If yes, add photo and description of repairs performed**

Yes

Cracks were track walked.





Photo 6



Photo 7

## Chiquita Reaction Area Tracking of Fissures and Tension Cracks 2

**Fissure or Tension Crack Found?**

Yes

Using the attached image, annotate all areas where inspectors identified a fissure or tension crack.



**Grid Location**

176

Using the Media link below, attach the before photo of the fissure or tension crack.

11 Mar 2024 9:06 AM PDT





Photo 8



Photo 9



Photo 10



Photo 11



Photo 12



Photo 13

**Length of crack (ft) or area containing multiple cracks (ft x ft)**

110 ft x 25 ft

**Severity**

Small <2" in width

Location

(34.4353059, -118.6492065)

Was Fissure or Crack fixed? If yes, add photo and description of repairs performed

Yes

Cracks were track walked.



Photo 14



Photo 15

Chiquita Reaction Area Tracking of Fissures and Tension Cracks  
3

Fissure or Tension Crack Found?

Yes

Using the attached image, annotate all areas where inspectors identified a fissure or tension crack.



Grid Location

185

Using the Media link below, attach the before photo of the fissure of tension crack.

11 Mar 2024 9:52 AM PDT

Photo with tape measure is at widest point of crack.





Photo 16



Photo 17



Photo 18

**Length of crack (ft) or area containing multiple cracks (ft x ft)**

150 ft

**Severity**

Small <2" in width

**Location**

(34.4363698, -118.6487026)

**Was Fissure or Crack fixed? If yes, add photo and description of repairs performed**

Yes

Crack was track walked.



Photo 19



Photo 20

### Chiquita Reaction Area Tracking of Fissures and Tension Cracks 4

**Fissure or Tension Crack Found?**

Yes

**Using the attached image, annotate all areas where inspectors identified a fissure or tension crack.**



**Grid Location**

184

**Using the Media link below, attach the before photo of the fissure or tension crack.**

11 Mar 2024 10:07 AM PDT





Photo 21



Photo 22

**Length of crack (ft) or area containing multiple cracks (ft x ft)**

50 ft

**Severity**

Small <2" in width

**Location**

(34.4364219, -118.649541)

**Was Fissure or Crack fixed? If yes, add photo and description of repairs performed**

Yes

Crack was track walked.



Photo 23



Photo 24

Chiquita Reaction Area Tracking of Fissures and Tension Cracks  
5

**Fissure or Tension Crack Found?**

Yes

**Using the attached image, annotate all areas where inspectors identified a fissure or tension crack.**



**Grid Location**

152

**Using the Media link below, attach the before photo of the fissure of tension crack.**

11 Mar 2024 10:18 AM PDT



Photo 25



Photo 26



Photo 27

**Length of crack (ft) or area containing multiple cracks (ft x**

45 ft



ft)

Severity

Small <2" in width

Location

(34.4353843, -118.6471972)

Was Fissure or Crack fixed? If yes, add photo and description of repairs performed

Yes

Cracks were track walked.



Photo 28



Photo 29

# 4050 - Chiquita Reaction Area Tracking of Fissures and Tension Cracks

12 Mar 2024 / Tom Roe

Complete

**Conducted on**

12 Mar 2024 8:34 AM PDT

---

**Prepared by**

Tom Roe

---



## Chiquita Reaction Area Tracking of Fissures and Tension Cracks

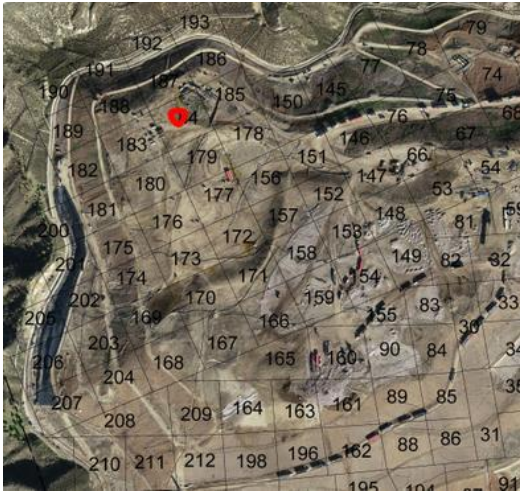
Chiquita Reaction Area Tracking of Fissures and Tension Cracks

Chiquita Reaction Area Tracking of Fissures and Tension Cracks  
1

Fissure or Tension Crack Found?

Yes

Using the attached image, annotate all areas where inspectors identified a fissure or tension crack.



Grid Location

184

Using the Media link below, attach the before photo of the fissure or tension crack.

12 Mar 2024 8:57 AM PDT



Photo 1



Photo 2



Photo 3

**Length of crack (ft) or area containing multiple cracks (ft x ft)**

75 ft

**Severity**

Small <2" in width

**Location**

(34.4363628, -118.6496304)

**Was Fissure or Crack fixed? If yes, add photo and description of repairs performed**

Yes

Crack was track walked.



Photo 4

Chiquita Reaction Area Tracking of Fissures and Tension Cracks  
2

**Fissure or Tension Crack Found?**

Yes

**Using the attached image, annotate all areas where inspectors identified a fissure or tension crack.**



**Grid Location**

179

**Using the Media link below, attach the before photo of the fissure of tension crack.**

12 Mar 2024 9:18 AM PDT



Photo 5



Photo 6

**Length of crack (ft) or area containing multiple cracks (ft x ft)**

100 ft x 100 ft

**Severity**

Small <2" in width

**Location**

(34.4354461, -118.6494279)

**Was Fissure or Crack fixed? If yes, add photo and description of repairs performed**

Yes

Cracks were track walked.



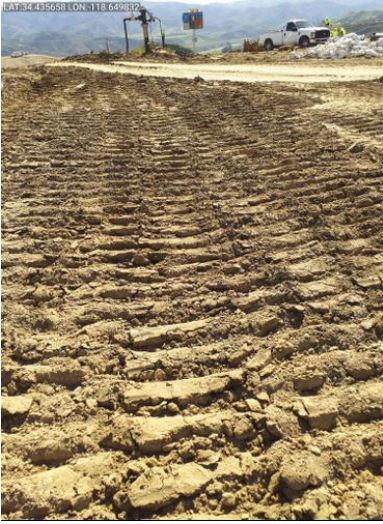


Photo 7



Photo 8



Photo 9



# 4050 - Chiquita Reaction Area Tracking of Fissures and Tension Cracks

13 Mar 2024 / John Boucher

Complete

**Conducted on**

13 Mar 2024 8:17 AM PDT

---

**Prepared by**

John Boucher

---

## Chiquita Reaction Area Tracking of Fissures and Tension Cracks

Chiquita Reaction Area Tracking of Fissures and Tension Cracks

Chiquita Reaction Area Tracking of Fissures and Tension Cracks  
1

Fissure or Tension Crack Found?

Yes

Using the attached image, annotate all areas where inspectors identified a fissure or tension crack.



Grid Location

178

Using the Media link below, attach the before photo of the fissure or tension crack.

13 Mar 2024 8:19 AM PDT



Photo 1



Photo 2



Photo 3

**Length of crack (ft) or area containing multiple cracks (ft x ft)**

100ft

**Severity**

Small <2" in width

**Location**

(34.436341, -118.648627)

**Was Fissure or Crack fixed? If yes, add photo and description of repairs performed**

Yes

Cracks were track walked.



Photo 4



Photo 5



Photo 6

Chiquita Reaction Area Tracking of Fissures and Tension Cracks  
2

**Fissure or Tension Crack Found?**

Yes

Using the attached image, annotate all areas where inspectors identified a fissure or tension crack.



**Grid Location**

184

Using the Media link below, attach the before photo of the fissure or tension crack.

13 Mar 2024 8:26 AM PDT





Photo 7



Photo 8



Photo 9

**Length of crack (ft) or area containing multiple cracks (ft x ft)**

15 ft

**Severity**

Small <2" in width

**Location**

(34.4363799, -118.6493115)

**Was Fissure or Crack fixed? If yes, add photo and description of repairs performed**

Yes

Cracks were track walked.



Photo 10



Photo 11

### Chiquita Reaction Area Tracking of Fissures and Tension Cracks 3

**Fissure or Tension Crack Found?**

Yes

**Using the attached image, annotate all areas where inspectors identified a fissure or tension crack.**



**Grid Location**

176

**Using the Media link below, attach the before photo of the fissure or tension crack.**

13 Mar 2024 8:33 AM PDT





Photo 12



Photo 13



Photo 14



Photo 15

**Length of crack (ft) or area containing multiple cracks (ft x ft)**

10 ft

**Severity**

Large >4" in width

**Location**

(34.4353054, -118.6496823)

**Was Fissure or Crack fixed? If yes, add photo and description of repairs performed**

Yes

Fresh dirt added and cracks were track walked.



Photo 16



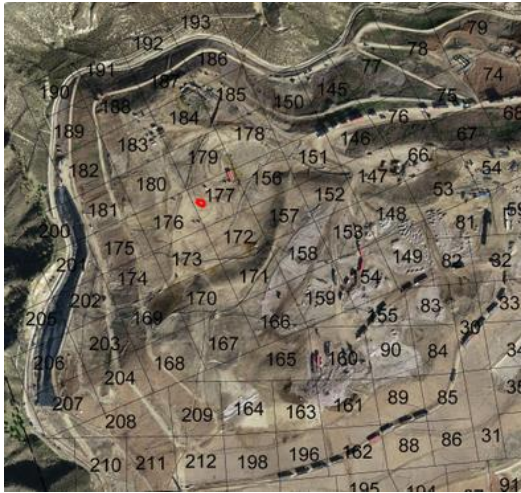
Photo 17

Chiquita Reaction Area Tracking of Fissures and Tension Cracks  
4

**Fissure or Tension Crack Found?**

Yes

Using the attached image, annotate all areas where inspectors identified a fissure or tension crack.



**Grid Location**

177

Using the Media link below, attach the before photo of the fissure or tension crack.

13 Mar 2024 8:56 AM PDT





Photo 18



Photo 19

**Length of crack (ft) or area containing multiple cracks (ft x ft)**

5ft

**Severity**

Small <2" in width

**Location**

(34.4350917, -118.6494246)

**Was Fissure or Crack fixed? If yes, add photo and description of repairs performed**

Yes

Cracks were track walked.



Photo 20

Chiquita Reaction Area Tracking of Fissures and Tension Cracks  
5

**Fissure or Tension Crack Found?**

Yes

**Using the attached image, annotate all areas where inspectors identified a fissure or tension crack.**



**Grid Location**

152

**Using the Media link below, attach the before photo of the fissure of tension crack.**

13 Mar 2024 9:13 AM PDT



Photo 21



Photo 22



Photo 23



Photo 24

**Length of crack (ft) or area containing multiple cracks (ft x**

60 ft



ft)

**Severity**

Small <2" in width

**Location**

(34.4355296, -118.6472199)

**Was Fissure or Crack fixed? If yes, add photo and description of repairs performed**

Yes

Cracks were track walked.



Photo 25



Photo 26



Photo 27

# 4050 - Chiquita Reaction Area Tracking of Fissures and Tension Cracks

14 Mar 2024 / John Boucher

Complete

**Conducted on**

14 Mar 2024 8:36 AM PDT

---

**Prepared by**

John Boucher

---



## Chiquita Reaction Area Tracking of Fissures and Tension Cracks

Chiquita Reaction Area Tracking of Fissures and Tension Cracks

Chiquita Reaction Area Tracking of Fissures and Tension Cracks  
1

**Fissure or Tension Crack Found?**

Yes

**Using the attached image, annotate all areas where inspectors identified a fissure or tension crack.**



**Grid Location**

151

**Using the Media link below, attach the before photo of the fissure or tension crack.**

14 Mar 2024 8:37 AM PDT



Photo 1



Photo 2

**Length of crack (ft) or area containing multiple cracks (ft x ft)**

5ft x 10 ft

Severity

Small <2" in width

Location

(34.4362498, -118.6476441)

Was Fissure or Crack fixed? If yes, add photo and description of repairs performed

Yes

Cracks were track walked.



Photo 3

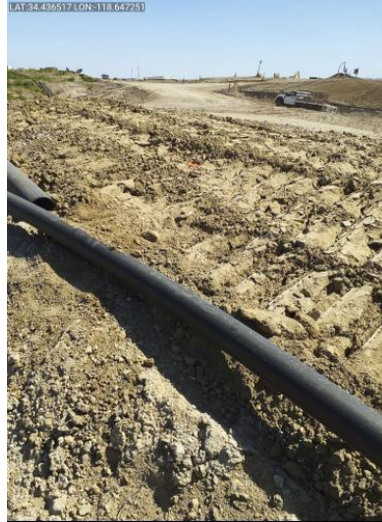


Photo 4

Chiquita Reaction Area Tracking of Fissures and Tension Cracks 2

Fissure or Tension Crack Found?

Yes

Using the attached image, annotate all areas where inspectors identified a fissure or tension crack.



Grid Location

152

Using the Media link below, attach the before photo of the fissure or tension crack.

14 Mar 2024 8:54 AM PDT





Photo 5



Photo 6

**Length of crack (ft) or area containing multiple cracks (ft x ft)**

10ft x 30ft area

**Severity**

Small <2" in width

**Location**

(34.435638, -118.6473161)

**Was Fissure or Crack fixed? If yes, add photo and description of repairs performed**

Yes

Cracks were track walked.



Photo 7



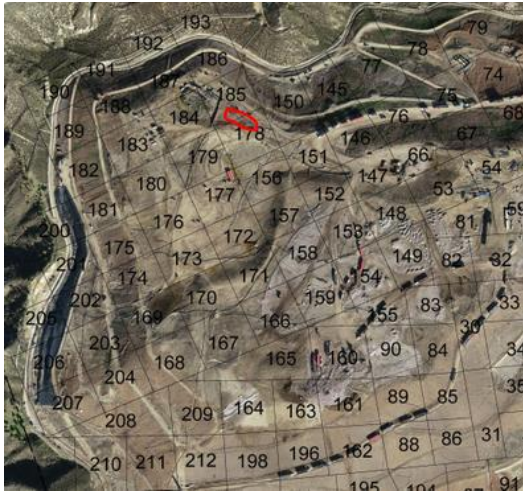
Photo 8

Chiquita Reaction Area Tracking of Fissures and Tension Cracks  
3

**Fissure or Tension Crack Found?**

Yes

**Using the attached image, annotate all areas where inspectors identified a fissure or tension crack.**



**Grid Location**

185.178

**Using the Media link below, attach the before photo of the fissure of tension crack.**

14 Mar 2024 9:33 AM PDT



Photo 9



Photo 10



Photo 11

**Length of crack (ft) or area containing multiple cracks (ft x**

60ft



ft)

**Severity**

Small <2" in width

**Location**

(34.4363976, -118.6488297)

**Was Fissure or Crack fixed? If yes, add photo and description of repairs performed**

Yes

Cracks were track walked.



Photo 12



Photo 13

# 4050 - Chiquita Reaction Area Tracking of Fissures and Tension Cracks

15 Mar 2024 / John Boucher

Complete

**Conducted on**

15 Mar 2024 9:32 AM PDT

---

**Prepared by**

John Boucher

---

## Chiquita Reaction Area Tracking of Fissures and Tension Cracks

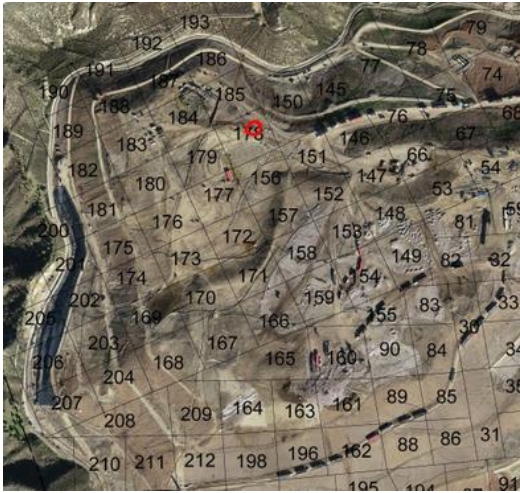
Chiquita Reaction Area Tracking of Fissures and Tension Cracks

Chiquita Reaction Area Tracking of Fissures and Tension Cracks  
1

Fissure or Tension Crack Found?

Yes

Using the attached image, annotate all areas where inspectors identified a fissure or tension crack.



Grid Location

178

Using the Media link below, attach the before photo of the fissure or tension crack.

15 Mar 2024 9:32 AM PDT



Photo 1



Photo 2

Length of crack (ft) or area containing multiple cracks (ft x ft)

4 ft

Severity

Small <2" in width

Location

(34.436435, -118.6487228)

Was Fissure or Crack fixed? If yes, add photo and description of repairs performed

Yes

Cracks were track walked.



Photo 3



Photo 4



Photo 5



# 4050 - Chiquita Reaction Area Tracking of Fissures and Tension Cracks

16 Mar 2024 / John Boucher

Complete

**Conducted on**

16 Mar 2024 8:54 AM PDT

---

**Prepared by**

John Boucher

---

## Chiquita Reaction Area Tracking of Fissures and Tension Cracks

Chiquita Reaction Area Tracking of Fissures and Tension Cracks

Chiquita Reaction Area Tracking of Fissures and Tension Cracks  
1

Fissure or Tension Crack Found?

Yes

Using the attached image, annotate all areas where inspectors identified a fissure or tension crack.



Grid Location

151

Using the Media link below, attach the before photo of the fissure or tension crack.

16 Mar 2024 8:55 AM PDT



Photo 1



Photo 2



Photo 3



Photo 4

**Length of crack (ft) or area containing multiple cracks (ft x ft)**

25x 20ft

**Severity**

Small <2" in width

**Location**

(34.4357496, -118.6471659)

**Was Fissure or Crack fixed? If yes, add photo and description of repairs performed**

Yes

Fresh dirt was added and cracks were track walked.



Photo 5



Photo 6





Photo 7



Photo 8

Chiquita Reaction Area Tracking of Fissures and Tension Cracks  
2

**Fissure or Tension Crack Found?**

Yes

Using the attached image, annotate all areas where inspectors identified a fissure or tension crack.



**Grid Location**

179

Using the Media link below, attach the before photo of the fissure or tension crack.

16 Mar 2024 9:35 AM PDT





Photo 9



Photo 10

**Length of crack (ft) or area containing multiple cracks (ft x ft)**

12ft x 12ft

**Severity**

Small <2" in width

**Location**

(34.435518, -118.6495816)

**Was Fissure or Crack fixed? If yes, add photo and description of repairs performed**

Yes

Cracks were track walked.



Photo 11



Photo 12



Photo 13

### Chiquita Reaction Area Tracking of Fissures and Tension Cracks 3

**Fissure or Tension Crack Found?**

Yes

Using the attached image, annotate all areas where inspectors identified a fissure or tension crack.



**Grid Location**

185

Using the Media link below, attach the before photo of the fissure or tension crack.

16 Mar 2024 9:52 AM PDT





Photo 14



Photo 15

**Length of crack (ft) or area containing multiple cracks (ft x ft)**

5ft x 15ft

**Severity**

Small <2" in width

**Location**

(34.4363763, -118.6490998)

**Was Fissure or Crack fixed? If yes, add photo and description of repairs performed**

Yes

Fresh dirt was added and cracks were track walked.



Photo 16



Photo 17

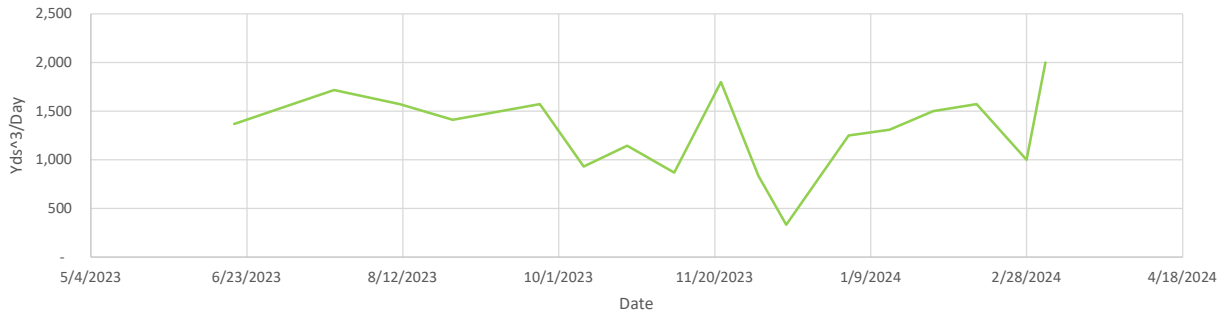
# Settlement



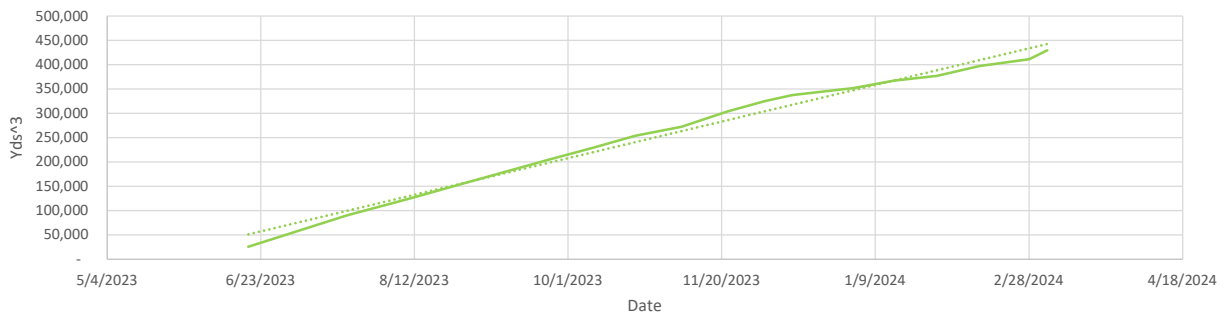
Notes

- \*Charts show the settlement in cubic yards measured at a fixed location
- \*The map shows the settlement area growth between 2/28/24 (in green) and 3/5/24 (in red). These polygons show the areas that have settled more than 5 feet since 5/31/23.
- \*Waste fill occurred near the measurement areas in May. Some of the early settlement is likely due to the initial waste settlement of a new fill.
- \*The major depression in the top deck was excluded because the soil fills used to prevent ponding would skew the settlement trends due to those areas showing up as fill instead of settlement.
- \*Measurements utilized a .5' deadzone (changes under .5' were not counted)

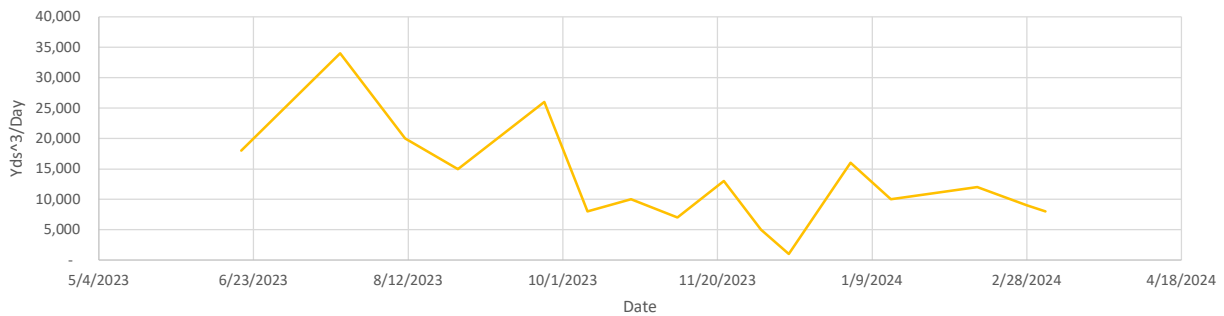
Location 1 Yds<sup>3</sup>/Day



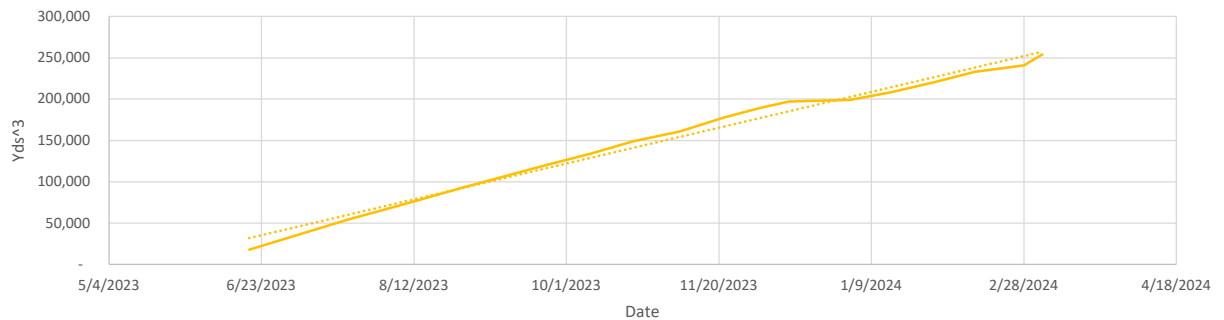
Location 1 Cumulative Volume Change



Location 2 Yds<sup>3</sup>/Day



Location 2 Yds<sup>3</sup>/Day



**Location 1**

Flyover Date	Days Between Flights	Volume Change	Cumulative Volume Change	Volume Change Per Day
5/31/2023	0	-	-	-
6/19/2023	19	26,000	26,000	1,368
7/21/2023	32	55,000	90,000	1,719
8/11/2023	21	33,000	126,000	1,571
8/28/2023	17	24,000	156,000	1,412
9/25/2023	28	44,000	205,000	1,571
10/9/2023	14	13,000	229,000	929
10/23/2023	14	16,000	254,000	1,143
11/7/2023	15	13,000	272,000	867
11/22/2023	15	27,000	304,000	1,800
12/4/2023	12	10,000	325,000	833
12/13/2023	9	3,000	338,000	333
1/2/2024	20	25,000	352,000	1,250
1/15/2024	13	17,000	367,000	1,308
1/29/2024	14	21,000	377,000	1,500
2/12/2024	14	22,000	398,000	1,571
2/28/2024	16	16,000	411,000	1,000
3/5/2024	6	12,000	430,000	2,000



\*Waste fill near reaction area

\*Waste fill near reaction area

**Location 2**

Flyover Date	Days Between Flights	Volume Change	Cumulative Volume Change	Volume Change Per Day
5/31/2023	0	-	-	-
6/19/2023	19	18,000	18,000	947
7/21/2023	32	34,000	54,000	1,063
8/11/2023	21	20,000	75,000	952
8/28/2023	17	15,000	93,000	882
9/25/2023	28	26,000	121,000	929
10/9/2023	14	8,000	134,000	571
10/23/2023	14	10,000	149,000	714
11/7/2023	15	7,000	161,000	467
11/22/2023	15	13,000	178,000	867
12/4/2023	12	5,000	190,000	417
12/13/2023	9	1,000	197,000	111
1/2/2024	20	16,000	199,000	800
1/15/2024	13	10,000	208,000	769
1/29/2024	14	11,000	220,000	786
2/12/2024	14	12,000	233,000	857
2/28/2024	16	9,000	241,000	563
3/5/2024	6	8,000	254,000	1,333



\*Waste fill near reaction area

\*Waste fill near reaction area



# **Geosynthetic Cover**



# 4050 - Geosynthetic Cover Inspection

11 Mar 2024 / Tom Roe

Complete

Flagged items

0

Conducted on

11 Mar 2024 7:45 AM PDT

Prepared by

Tom Roe

## Identification of Issues

Identified Issue

Identified Issue 1

Are there any issues with the geosynthetic cover?

No

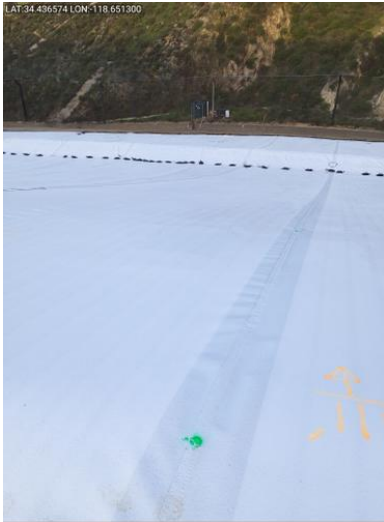


Photo 1



Photo 2



Photo 3



Photo 4

# 4050 - Geosynthetic Cover Inspection

12 Mar 2024 / Tom Roe

Complete

Flagged items

0

Conducted on

12 Mar 2024 7:49 AM PDT

Prepared by

Tom Roe

## Identification of Issues

Identified Issue

Identified Issue 1

Are there any issues with the geosynthetic cover?

No



Photo 1



Photo 2



Photo 3



# 4050 - Geosynthetic Cover Inspection

13 Mar 2024 / John Boucher

Complete

**Flagged items**

0

**Conducted on**

13 Mar 2024 7:37 AM PDT

**Prepared by**

John Boucher

## Identification of Issues

Identified Issue

Identified Issue 1

Are there any issues with the geosynthetic cover?

No



Photo 1



Photo 2



Photo 3



Photo 4

# 4050 - Geosynthetic Cover Inspection

14 Mar 2024 / John Boucher

Complete

**Flagged items**

0

**Conducted on**

14 Mar 2024 7:24 AM PDT

**Prepared by**

John Boucher

## Identification of Issues

Identified Issue

Identified Issue 1

Are there any issues with the geosynthetic cover?

No



Photo 1



Photo 2



Photo 3



Photo 4



# 4050 - Geosynthetic Cover Inspection

15 Mar 2024 / John Boucher

Complete

**Flagged items**

0

**Conducted on**

15 Mar 2024 7:46 AM PDT

**Prepared by**

John Boucher

## Identification of Issues

Identified Issue

Identified Issue 1

Are there any issues with the geosynthetic cover?

No



Photo 1



Photo 2



Photo 3

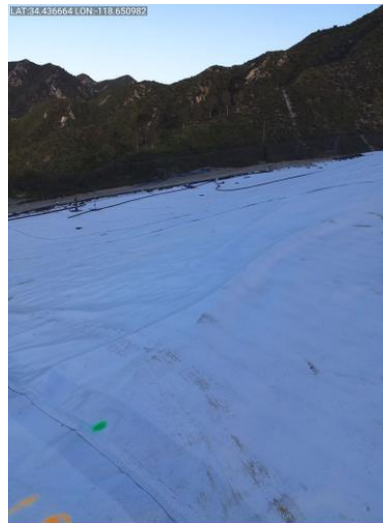


Photo 4



Photo 5

---

# 4050 - Geosynthetic Cover Inspection

16 Mar 2024 / John Boucher

Complete

**Flagged items**

0

**Conducted on**

16 Mar 2024 7:37 AM PDT

**Prepared by**

John Boucher



## Identification of Issues

Identified Issue

Identified Issue 1

Are there any issues with the geosynthetic cover?

No



Photo 1



Photo 2



Photo 3



Photo 4



Photo 5

---



**CHIQUITA CANYON**  
*A Waste Connections Company*

April 2, 2024

***Via E-Mail***

Karen Gork  
Chief Environmental Health Specialist  
Los Angeles County Department of Public Health  
Local Enforcement Agency  
Environmental Programs Division  
5050 Commerce Drive,  
Baldwin Park, California 91706  
[KGork@ph.lacounty.gov](mailto:KGork@ph.lacounty.gov)

**Re: Chiquita Canyon, LLC's Weekly Report on the Documentation and Tracking of Cover Issues**

Dear Ms. Gork:

In accordance with the *Revised Written Plan Regarding the Documentation and Tracking of Cover Issues*, dated December 21, 2023, Chiquita Canyon, LLC ("Chiquita") presents the enclosed report for documenting and tracking cover issues for the week of March 25, 2024 to March 30, 2024.

Chiquita is in receipt of the Local Enforcement Agency's March 22, 2024 letter, which includes new requirements for the documentation and tracking of cover under the aforementioned *Revised Written Plan*. Chiquita is in the process of reviewing these new requirements and revising the written plan accordingly.

Please contact me in the event you have any questions regarding this matter.

Regards,

*Amanda Froman*

Amanda Froman  
Compliance Manager  
Chiquita Canyon, LLC

Attachment: March 25, 2024 Weekly Cover Issues Report

29201 Henry Mayo Drive | Castaic, California 91384  
[www.chiquitacanyon.com](http://www.chiquitacanyon.com)

Ms. Karen Gork  
Los Angeles County Department of Public Health, Local Enforcement Agency  
April 2, 2024  
Page 2 of 2

cc: Mark Como, Department of Public Health  
Eric Morofuji, Department of Public Health



# **Fissures and Tension Cracks**

# 4050 - Chiquita Reaction Area Tracking of Fissures and Tension Cracks

25 Mar 2024 / Tom Roe

Complete

**Conducted on**

25 Mar 2024 8:45 AM PDT

---

**Prepared by**

Tom Roe

---

## Chiquita Reaction Area Tracking of Fissures and Tension Cracks

Chiquita Reaction Area Tracking of Fissures and Tension Cracks

Chiquita Reaction Area Tracking of Fissures and Tension Cracks  
1

Fissure or Tension Crack Found?

Yes

Using the attached image, annotate all areas where inspectors identified a fissure or tension crack.



Grid Location

185.178

Using the Media link below, attach the before photo of the fissure or tension crack.

25 Mar 2024 8:53 AM PDT



Photo 1



Photo 2



Photo 3

**Length of crack (ft) or area containing multiple cracks (ft x ft)** 125 ft

**Severity** Small <2" in width

**Location** (34.4364602, -118.6489368)

**Was Fissure or Crack fixed? If yes, add photo and description of repairs performed** Yes

Crack was track walked.



Photo 4



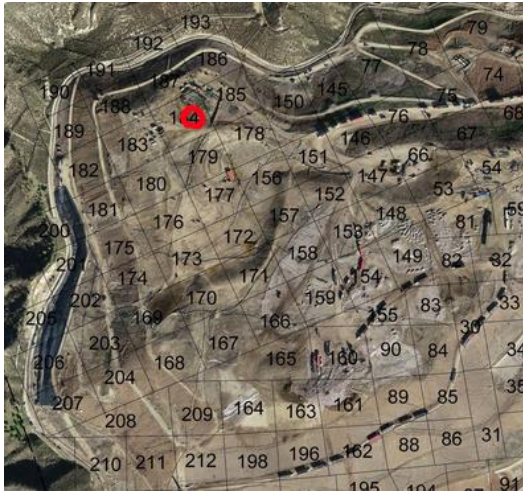
Photo 5

Chiquita Reaction Area Tracking of Fissures and Tension Cracks  
2

**Fissure or Tension Crack Found?** Yes

**Using the attached image, annotate all areas where inspectors identified a fissure or tension crack.**





**Grid Location**

184

Using the Media link below, attach the before photo of the fissure of tension crack.

25 Mar 2024 9:03 AM PDT



Photo 6



Photo 7



Photo 8



Photo 9

**Length of crack (ft) or area containing multiple cracks (ft x**

50 ft

ft)

Severity

Small <2" in width

Location

(34.4363088, -118.6493392)

Was Fissure or Crack fixed? If yes, add photo and description of repairs performed

Yes

Crack was track walked.



Photo 10



Photo 11

Chiquita Reaction Area Tracking of Fissures and Tension Cracks  
3

Fissure or Tension Crack Found?

Yes

Using the attached image, annotate all areas where inspectors identified a fissure or tension crack.



Grid Location

179.177



Using the Media link below, attach the before photo of the fissure of tension crack.

25 Mar 2024 9:11 AM PDT



Photo 12



Photo 13



Photo 14

**Length of crack (ft) or area containing multiple cracks (ft x ft)**

15ft

**Severity**

Small <2" in width

**Location**

(34.4355284, -118.6494404)

**Was Fissure or Crack fixed? If yes, add photo and description of repairs performed**

Yes

Crack was track walked.



Photo 15

---



# 4050 - Chiquita Reaction Area Tracking of Fissures and Tension Cracks

26 Mar 2024 / Tom Roe

Complete

**Conducted on**

26 Mar 2024 8:29 AM PDT

---

**Prepared by**

Tom Roe

---

## Chiquita Reaction Area Tracking of Fissures and Tension Cracks

Chiquita Reaction Area Tracking of Fissures and Tension Cracks

Chiquita Reaction Area Tracking of Fissures and Tension Cracks  
1

Fissure or Tension Crack Found?

Yes

Using the attached image, annotate all areas where inspectors identified a fissure or tension crack.



Grid Location

150

Using the Media link below, attach the before photo of the fissure or tension crack.

26 Mar 2024 8:31 AM PDT



Photo 1

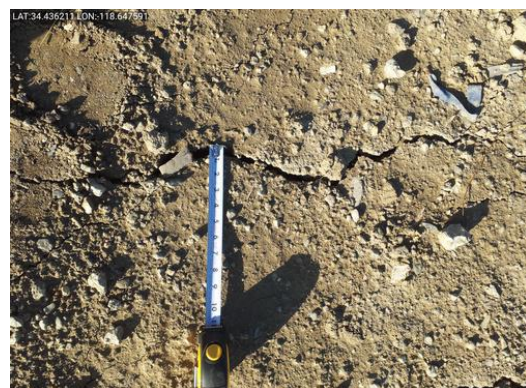


Photo 2



Photo 3



Photo 4



Photo 5

**Length of crack (ft) or area containing multiple cracks (ft x ft)**

15ft x 20 ft

**Severity**

Large >4" in width

**Location**

(34.436211, -118.6476073)

**Was Fissure or Crack fixed? If yes, add photo and description of repairs performed**

Yes

Cracks were track walked.





Photo 6



Photo 7

## Chiquita Reaction Area Tracking of Fissures and Tension Cracks 2

**Fissure or Tension Crack Found?**

Yes

Using the attached image, annotate all areas where inspectors identified a fissure or tension crack.



**Grid Location**

185

Using the Media link below, attach the before photo of the fissure or tension crack.

26 Mar 2024 8:41 AM PDT





Photo 8



Photo 9



Photo 10



Photo 11

**Length of crack (ft) or area containing multiple cracks (ft x ft)**

40 ft x 10 ft

**Severity**

Small <2" in width

**Location**

(34.4364774, -118.6489394)

**Was Fissure or Crack fixed? If yes, add photo and description of repairs performed**

Yes

Cracks were track walked.



Photo 12



Photo 13

### Chiquita Reaction Area Tracking of Fissures and Tension Cracks 3

**Fissure or Tension Crack Found?**

Yes

**Using the attached image, annotate all areas where inspectors identified a fissure or tension crack.**



**Grid Location**

176

**Using the Media link below, attach the before photo of the fissure or tension crack.**

26 Mar 2024 8:55 AM PDT





Photo 14



Photo 15



Photo 16



Photo 17

**Length of crack (ft) or area containing multiple cracks (ft x ft)**

12 ft x 20 ft

**Severity**

Small <2" in width

**Location**

(34.4351701, -118.6493469)

**Was Fissure or Crack fixed? If yes, add photo and description of repairs performed**

Yes

Cracks were track walked.



Photo 18



Photo 19

### Chiquita Reaction Area Tracking of Fissures and Tension Cracks 4

**Fissure or Tension Crack Found?**

Yes

**Using the attached image, annotate all areas where inspectors identified a fissure or tension crack.**



**Grid Location**

151

**Using the Media link below, attach the before photo of the fissure or tension crack.**

26 Mar 2024 9:17 AM PDT





Photo 20



Photo 21



Photo 22

**Length of crack (ft) or area containing multiple cracks (ft x ft)**

30 ft x 35 ft

**Severity**

Small <2" in width

**Location**

(34.4357836, -118.6470987)

**Was Fissure or Crack fixed? If yes, add photo and description of repairs performed**

Yes

Cracks were track walked.



Photo 23



Photo 24

### Chiquita Reaction Area Tracking of Fissures and Tension Cracks 5

**Fissure or Tension Crack Found?**

Yes

**Using the attached image, annotate all areas where inspectors identified a fissure or tension crack.**



**Grid Location**

152

**Using the Media link below, attach the before photo of the fissure or tension crack.**

26 Mar 2024 9:22 AM PDT





Photo 25



Photo 26



Photo 27



Photo 28

**Length of crack (ft) or area containing multiple cracks (ft x ft)**

20 ft x 70 ft

**Severity**

Small <2" in width

**Location**

(34.4355337, -118.6472291)

**Was Fissure or Crack fixed? If yes, add photo and description of repairs performed**

Yes

Cracks were track walked.



Photo 29



Photo 30



Photo 31



Photo 32



# 4050 - Chiquita Reaction Area Tracking of Fissures and Tension Cracks

27 Mar 2024 / James cardinel

Complete

**Conducted on**

27 Mar 2024 7:59 AM PDT

---

**Prepared by**

James cardinel

---

## Chiquita Reaction Area Tracking of Fissures and Tension Cracks

Chiquita Reaction Area Tracking of Fissures and Tension Cracks

Chiquita Reaction Area Tracking of Fissures and Tension Cracks  
1

**Fissure or Tension Crack Found?**

Yes

**Using the attached image, annotate all areas where inspectors identified a fissure or tension crack.**



**Grid Location**

178

**Using the Media link below, attach the before photo of the fissure or tension crack.**

27 Mar 2024 8:03 AM PDT



Photo 1



Photo 2



Photo 3



Photo 4

**Length of crack (ft) or area containing multiple cracks (ft x ft)**

15ft

**Severity**

Small <2" in width

**Location**

(34.4363153, -118.6485665)

**Was Fissure or Crack fixed? If yes, add photo and description of repairs performed**

Yes

Cracks were track walked



Photo 5



Photo 6

Chiquita Reaction Area Tracking of Fissures and Tension Cracks  
2

**Fissure or Tension Crack Found?**

Yes

**Using the attached image, annotate all areas where inspectors identified a fissure or tension crack.**





**Grid Location**

179

**Using the Media link below, attach the before photo of the fissure of tension crack.**

27 Mar 2024 8:10 AM PDT



Photo 7



Photo 8



Photo 9

**Length of crack (ft) or area containing multiple cracks (ft x**

35ft



ft)

Severity

Small <2" in width

Location

(34.4362992, -118.6493443)

Was Fissure or Crack fixed? If yes, add photo and description of repairs performed

Yes

Cracks were track walked.



Photo 10



Photo 11

Chiquita Reaction Area Tracking of Fissures and Tension Cracks  
3

Fissure or Tension Crack Found?

Yes

Using the attached image, annotate all areas where inspectors identified a fissure or tension crack.



Grid Location

177

Using the Media link below, attach the before photo of the fissure of tension crack.

27 Mar 2024 8:36 AM PDT



Photo 12



Photo 13



Photo 14



Photo 15



Photo 16

Length of crack (ft) or area containing multiple cracks (ft x ft)

80ft x 20ft



Severity

Small <2" in width

Location

(34.4354846, -118.6487187)

Was Fissure or Crack fixed? If yes, add photo and description of repairs performed

Yes

Cracks were track walked.



Photo 17



Photo 18

Chiquita Reaction Area Tracking of Fissures and Tension Cracks  
4

Fissure or Tension Crack Found?

Yes

Using the attached image, annotate all areas where inspectors identified a fissure or tension crack.



Grid Location

179

Using the Media link below, attach the before photo of the fissure of tension crack.

27 Mar 2024 8:59 AM PDT



Photo 19



Photo 20



Photo 21



Photo 22

**Length of crack (ft) or area containing multiple cracks (ft x ft)**

20ft x 20ft

**Severity**

Medium 2-4" in width

**Location**

(34.4355347, -118.6494077)

**Was Fissure or Crack fixed? If yes, add photo and description of repairs performed**

Yes

Cracks were filled and track walked.





Photo 23



Photo 24



Photo 25



Photo 26

# 4050 - Chiquita Reaction Area Tracking of Fissures and Tension Cracks

28 Mar 2024 / John Boucher

Complete

**Conducted on**

28 Mar 2024 8:49 AM PDT

---

**Prepared by**

John Boucher

---

## Chiquita Reaction Area Tracking of Fissures and Tension Cracks

Chiquita Reaction Area Tracking of Fissures and Tension Cracks

Chiquita Reaction Area Tracking of Fissures and Tension Cracks  
1

Fissure or Tension Crack Found?

Yes

Using the attached image, annotate all areas where inspectors identified a fissure or tension crack.



Grid Location

178

Using the Media link below, attach the before photo of the fissure or tension crack.

28 Mar 2024 8:49 AM PDT



Photo 1



Photo 2





Photo 3

**Length of crack (ft) or area containing multiple cracks (ft x ft)**

45ft

**Severity**

Small <2" in width

**Location**

(34.4363811, -118.6489895)

**Was Fissure or Crack fixed? If yes, add photo and description of repairs performed**

Yes

Cracks were track walked.



Photo 4



Photo 5

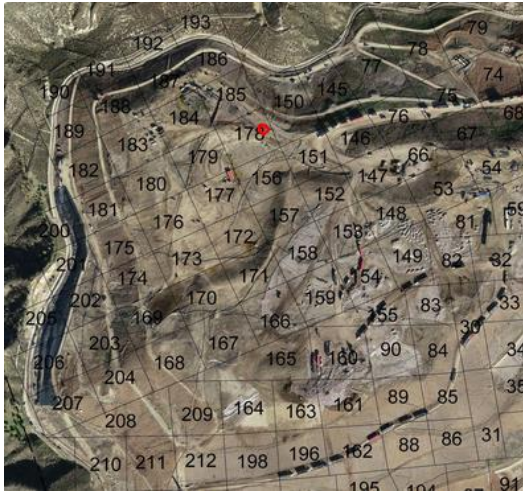
Chiquita Reaction Area Tracking of Fissures and Tension Cracks  
2

**Fissure or Tension Crack Found?**

Yes

**Using the attached image, annotate all areas where inspectors identified a fissure or tension crack.**





**Grid Location**

178

**Using the Media link below, attach the before photo of the fissure of tension crack.**

28 Mar 2024 8:51 AM PDT



Photo 6



Photo 7

**Length of crack (ft) or area containing multiple cracks (ft x ft)**

10 ft

**Severity**

Small <2" in width

**Location**

(34.4363829, -118.6486918)

**Was Fissure or Crack fixed? If yes, add photo and description of repairs performed**

Yes

Cracks were track walked.



Photo 8



Photo 9

### Chiquita Reaction Area Tracking of Fissures and Tension Cracks 3

**Fissure or Tension Crack Found?**

Yes

Using the attached image, annotate all areas where inspectors identified a fissure or tension crack.



**Grid Location**

156

Using the Media link below, attach the before photo of the fissure or tension crack.

28 Mar 2024 9:12 AM PDT





Photo 10



Photo 11



Photo 12

**Length of crack (ft) or area containing multiple cracks (ft x ft)**

10ft x 15ft area

**Severity**

Small <2" in width

**Location**

(34.4355129, -118.6486539)

**Was Fissure or Crack fixed? If yes, add photo and description of repairs performed**

Yes

Cracks were track walked.



Photo 13



Photo 14

### Chiquita Reaction Area Tracking of Fissures and Tension Cracks 4

**Fissure or Tension Crack Found?**

Yes

**Using the attached image, annotate all areas where inspectors identified a fissure or tension crack.**



**Grid Location**

172

**Using the Media link below, attach the before photo of the fissure or tension crack.**

28 Mar 2024 9:19 AM PDT





Photo 15



Photo 16



Photo 17



Photo 18



Photo 19

**Length of crack (ft) or area containing multiple cracks (ft x ft)**

20ft x 15ft area

**Severity**

Small <2" in width

Was Fissure or Crack fixed? If yes, add photo and description of repairs performed

Yes

Cracks were track walked.



Photo 20



Photo 21



Photo 22

# 4050 - Chiquita Reaction Area Tracking of Fissures and Tension Cracks

29 Mar 2024 / John Boucher

Complete

**Conducted on**

29 Mar 2024 8:27 AM PDT

---

**Prepared by**

John Boucher

---



## Chiquita Reaction Area Tracking of Fissures and Tension Cracks

Chiquita Reaction Area Tracking of Fissures and Tension Cracks

Chiquita Reaction Area Tracking of Fissures and Tension Cracks  
1

Fissure or Tension Crack Found?

Yes

Using the attached image, annotate all areas where inspectors identified a fissure or tension crack.



Grid Location

185

Using the Media link below, attach the before photo of the fissure or tension crack.

29 Mar 2024 8:27 AM PDT



Photo 1



Photo 2





Photo 3

**Length of crack (ft) or area containing multiple cracks (ft x ft)**

25ft x 25ft area

**Severity**

Small <2" in width

**Location**

(34.4365987, -118.6489567)

**Was Fissure or Crack fixed? If yes, add photo and description of repairs performed**

Yes

Cracks were track walked.



Photo 4



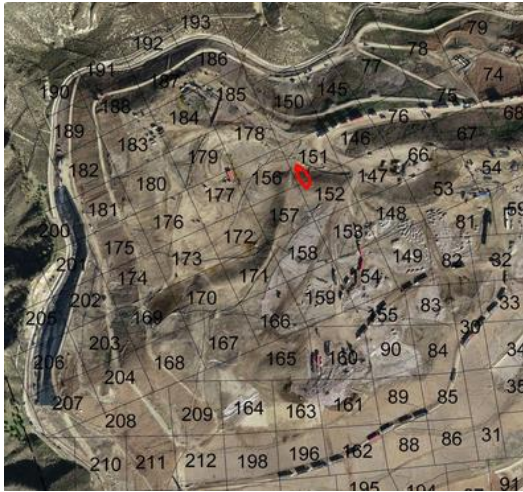
Photo 5

Chiquita Reaction Area Tracking of Fissures and Tension Cracks  
2

**Fissure or Tension Crack Found?**

Yes

**Using the attached image, annotate all areas where inspectors identified a fissure or tension crack.**



**Grid Location**

151

**Using the Media link below, attach the before photo of the fissure of tension crack.**

29 Mar 2024 8:49 AM PDT



Photo 6



Photo 7



Photo 8

**Length of crack (ft) or area containing multiple cracks (ft x**

20ft



ft)

Severity

Small <2" in width

Location

(34.41592747085476,  
-118.63562420010567)

Was Fissure or Crack fixed? If yes, add photo and description of repairs performed

Yes

Cracks were track walked.



Photo 9



Photo 10

Chiquita Reaction Area Tracking of Fissures and Tension Cracks  
3

Fissure or Tension Crack Found?

Yes

Using the attached image, annotate all areas where inspectors identified a fissure or tension crack.



Grid Location

173

Using the Media link below, attach the before photo of the fissure of tension crack.

29 Mar 2024 9:05 AM PDT



Photo 11



Photo 12



Photo 13

**Length of crack (ft) or area containing multiple cracks (ft x ft)**

20ft x 30ft area

**Severity**

Small <2" in width

**Location**

(34.434573, -118.6492844)

**Was Fissure or Crack fixed? If yes, add photo and description of repairs performed**

Yes

Cracks were track walked.





Photo 14



Photo 15

### Chiquita Reaction Area Tracking of Fissures and Tension Cracks 4

**Fissure or Tension Crack Found?**

Yes

**Using the attached image, annotate all areas where inspectors identified a fissure or tension crack.**



**Grid Location**

157

**Using the Media link below, attach the before photo of the fissure or tension crack.**

29 Mar 2024 9:17 AM PDT



Photo 16



Photo 17



Photo 18



Photo 19



Photo 20



Photo 21

**Length of crack (ft) or area containing multiple cracks (ft x ft)**

15ft x 30ft area

**Severity**

Small <2" in width



Location

(34.4351189, -118.6483672)

Was Fissure or Crack fixed? If yes, add photo and description of repairs performed

Yes

Cracks were track walked.



Photo 22



Photo 23

Chiquita Reaction Area Tracking of Fissures and Tension Cracks  
5

Fissure or Tension Crack Found?

Yes

Using the attached image, annotate all areas where inspectors identified a fissure or tension crack.



Grid Location

156

Using the Media link below, attach the before photo of the fissure of tension crack.

29 Mar 2024 9:24 AM PDT



Photo 24



Photo 25



Photo 26



Photo 27



Photo 28



Photo 29





Photo 30



Photo 31

**Length of crack (ft) or area containing multiple cracks (ft x ft)**

15ft x 8ft area

**Severity**

Small <2" in width

**Location**

(34.435601, -118.6484445)

**Was Fissure or Crack fixed? If yes, add photo and description of repairs performed**

Yes

Fresh dirt was added and cracks were track walked.



Photo 32



Photo 33

# 4050 - Chiquita Reaction Area Tracking of Fissures and Tension Cracks

30 Mar 2024 / John Boucher

Complete

**Conducted on**

30 Mar 2024 8:48 AM PDT

---

**Prepared by**

John Boucher

---

# Chiquita Reaction Area Tracking of Fissures and Tension Cracks

Chiquita Reaction Area Tracking of Fissures and Tension Cracks

Chiquita Reaction Area Tracking of Fissures and Tension Cracks  
1

**Fissure or Tension Crack Found?**

No

No cracks found, image was taken from grid 178 where cracks have been previously found.



Photo 1



Photo 2



Photo 3



Photo 4

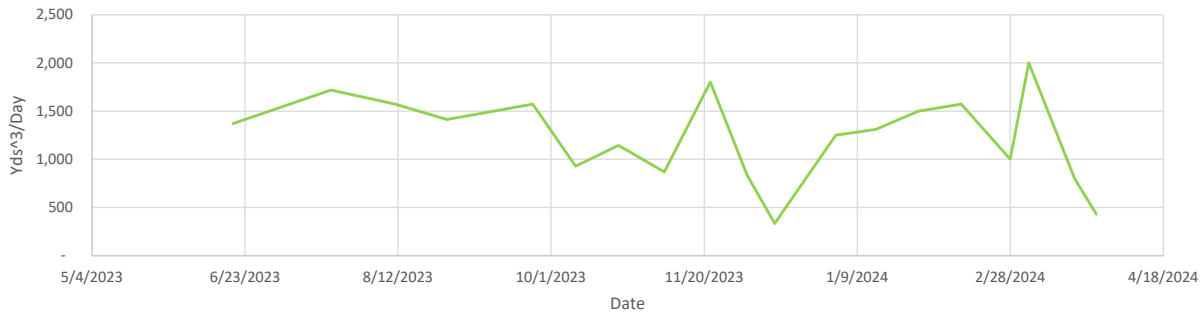
# Settlement



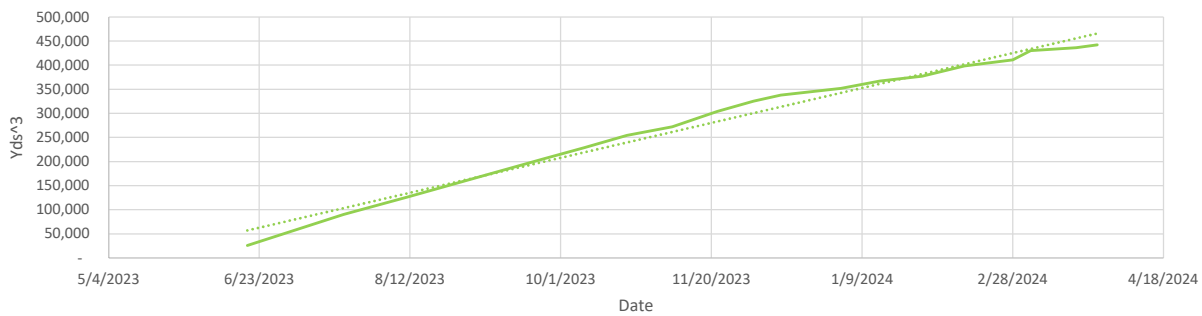
Notes

- \*Charts show the settlement in cubic yards measured at a fixed location
- \*The map shows the settlement area growth between 3/5/24 (in green) and 3/27/24 (in red). These polygons show the areas that have settled more than 5 feet since 5/31/23.
- \*Waste fill occurred near the measurement areas in May. Some of the early settlement is likely due to the initial waste settlement of a new fill.
- \* The major depression in the top deck was excluded because the soil fills used to prevent ponding would skew the settlement trends due to those areas showing up as fill instead of settlement.

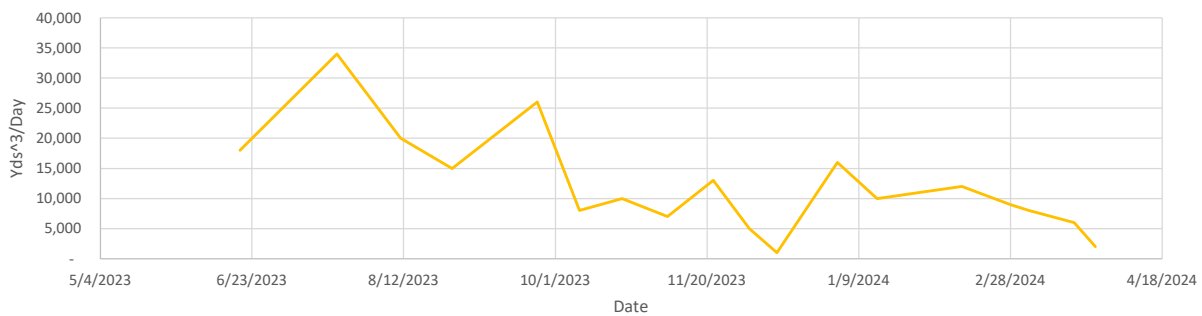
Location 1 Yds<sup>3</sup>/Day



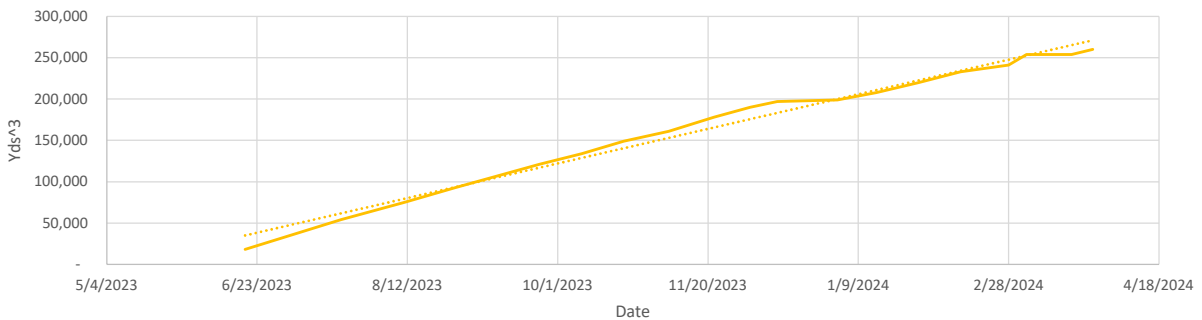
Location 1 Cumulative Volume Change



Location 2 Yds<sup>3</sup>/Day



Location 2 Yds<sup>3</sup>/Day



**Location 1**

Flyover Date	Days Between Flights	Volume Change	Cumulative Volume Change	Volume Change Per Day
5/31/2023	0	-	-	-
6/19/2023	19	26,000	26,000	1,368
7/21/2023	32	55,000	90,000	1,719
8/11/2023	21	33,000	126,000	1,571
8/28/2023	17	24,000	156,000	1,412
9/25/2023	28	44,000	205,000	1,571
10/9/2023	14	13,000	229,000	929
10/23/2023	14	16,000	254,000	1,143
11/7/2023	15	13,000	272,000	867
11/22/2023	15	27,000	304,000	1,800
12/4/2023	12	10,000	325,000	833
12/13/2023	9	3,000	338,000	333
1/2/2024	20	25,000	352,000	1,250
1/15/2024	13	17,000	367,000	1,308
1/29/2024	14	21,000	377,000	1,500
2/12/2024	14	22,000	398,000	1,571
2/28/2024	16	16,000	411,000	1,000
3/5/2024	6	12,000	430,000	2,000
3/20/2024	15	12,000	436,000	800
3/27/2024	7	3,000	442,362	429



\*Waste fill near reaction area

\*Waste fill near reaction area

**Location 2**

Flyover Date	Days Between Flights	Volume Change	Cumulative Volume Change	Volume Change Per Day
5/31/2023	0	-	-	-
6/19/2023	19	18,000	18,000	947
7/21/2023	32	34,000	54,000	1,063
8/11/2023	21	20,000	75,000	952
8/28/2023	17	15,000	93,000	882
9/25/2023	28	26,000	121,000	929
10/9/2023	14	8,000	134,000	571
10/23/2023	14	10,000	149,000	714
11/7/2023	15	7,000	161,000	467
11/22/2023	15	13,000	178,000	867
12/4/2023	12	5,000	190,000	417
12/13/2023	9	1,000	197,000	111
1/2/2024	20	16,000	199,000	800
1/15/2024	13	10,000	208,000	769
1/29/2024	14	11,000	220,000	786
2/12/2024	14	12,000	233,000	857
2/28/2024	16	9,000	241,000	563
3/5/2024	6	8,000	254,000	1,333
3/20/2024	15	6,000	254,000	400
3/27/2024	7	2,000	260,000	286



\*Waste fill near reaction area

\*Waste fill near reaction area



# **Geosynthetic Cover**



# 4050 - Geosynthetic Cover Inspection

25 Mar 2024 / Tom Roe

Complete

Flagged items

0

Conducted on

25 Mar 2024 7:46 AM PDT

Prepared by

Tom Roe

## Identification of Issues

Identified Issue

Identified Issue 1

Are there any issues with the geosynthetic cover?

No



Photo 1



Photo 2



Photo 3

# 4050 - Geosynthetic Cover Inspection

26 Mar 2024 / James cardinal

Complete

**Flagged items**

0

**Conducted on**

26 Mar 2024 8:00 AM PDT

**Prepared by**

James cardinal

## Identification of Issues

Identified Issue

Identified Issue 1

Are there any issues with the geosynthetic cover?

No



Photo 1



Photo 2



Photo 3



# 4050 - Geosynthetic Cover Inspection

27 Mar 2024 / James cardinal

Complete

**Flagged items**

0

**Conducted on**

27 Mar 2024 7:43 AM PDT

**Prepared by**

James cardinal

## Identification of Issues

Identified Issue

Identified Issue 1

Are there any issues with the geosynthetic cover?

No



Photo 1



Photo 2



Photo 3

# 4050 - Geosynthetic Cover Inspection

28 Mar 2024 / John Boucher

Complete

**Flagged items**

0

**Conducted on**

28 Mar 2024 7:49 AM PDT

**Prepared by**

John Boucher

## Identification of Issues

Identified Issue

Identified Issue 1

Are there any issues with the geosynthetic cover?

No



Photo 1



Photo 2



Photo 3



# 4050 - Geosynthetic Cover Inspection

29 Mar 2024 / John Boucher

Complete

**Flagged items**

0

**Conducted on**

29 Mar 2024 7:44 AM PDT

**Prepared by**

John Boucher

## Identification of Issues

Identified Issue

Identified Issue 1

Are there any issues with the geosynthetic cover?

No



Photo 1



Photo 2



Photo 3

# 4050 - Geosynthetic Cover Inspection

30 Mar 2024 / John Boucher

Complete

**Flagged items**

0

**Conducted on**

30 Mar 2024 7:39 AM PDT

**Prepared by**

John Boucher

## Identification of Issues

Identified Issue

Identified Issue 1

Are there any issues with the geosynthetic cover?

No



Photo 1



Photo 2



Photo 3



Photo 4



Attachment J-1

Geosynthetic Cover Memorandum

# MEMORANDUM

---

**To:** Steve Cassulo

---

**From:** Julie Hauenstein P.E. – Tetra Tech

---

**Date:** March 13, 2024

---

**Subject:** Geosynthetic Cover Workplan to Address Condition 50 of the SCAQMD Modified Stipulated Order

---

## 1.0 INTRODUCTION

This memorandum summarizes the updated installation workplan for the geosynthetic cover portion of the workplan required by Condition 50 of the Modified Stipulated Order for Abatement with the South Coast Air Quality Management District in Case No. 6177-4. As required by the Modified Stipulated Order and in coordination with the Local Enforcement Agency (LEA), Chiquita Canyon, LLC (Chiquita) is in the process of installing a 30 mil High Density Polyethylene (HDPE) geomembrane cover in phases over portions of the reaction area to counter methane surface exceedances and fugitive LFG emissions in the shorter-term. Attachment 1 to this memorandum shows the approximate area over which the geosynthetic cover is and will continue to be installed.

## 2.0 GEOMEMBRANE COVER

### 2.1 UPDATED INSTALLATION WORK PLAN

An exposed geosynthetic cover comprised of 30 mil HDPE geomembrane is continuing to be installed in phases over portions of the reaction area. See Attachment 1 for approximate geosynthetic cover limits. Attachment 2 to this memorandum provides the technical data sheet for this geomembrane cover material. This cover material has a nominal thickness of 30 mils, is textured on both sides, and is white on one side and black on the other. The geomembrane is being installed with the white side up to reduce thermal expansion and contraction.

Chiquita is continuing to install the geomembrane in accordance with its initial plans to install the geomembrane over the west slope of the reaction area as outlined in the plans submitted to SCAQMD in September of 2023. Since the September submittal the planned cover area has been expanded, and the geomembrane cover will be installed over following portions of the Landfill in the following order: (1) the west slope of the reaction area; (2) the top deck of the reaction area; and (3) the north slope of the reaction area. Phase 1 corresponds with the September 2023 submittal; Phases 2 and 3 are an expansion of the original plan. Phases are necessary because of the various preparatory tasks required for cover installation. Chiquita has been sequencing the work so that the preparatory tasks are completed ahead of the cover installation crew and so that cover installation is continuous.

For each section of geosynthetic cover installed, Chiquita is completing the following tasks:

- Chiquita removes the green waste and vegetation that is growing on the area that will be covered and prepares the subgrade for geomembrane installation.
- The existing benches are regarded as necessary to maintain positive drainage.
- Surface landfill gas collectors are then installed in the area to prevent landfill gas from building up pressure under the geomembrane once it is installed.
- Portions of the existing gas collection and control system (GCCS) are taken off-line, and the laterals, headers, and vacuum lines are disconnected and temporarily relocated. The geomembrane is then installed, and the

laterals, headers, and vacuum pipes are replaced above the geomembrane, reconnected, and brought back on-line. The GCCS laterals, headers, and vacuum pipes are installed over the geomembrane so that adjustments can be made to maintain positive drainage within the pipe network.

- Geomembrane pipe boots are installed around vertical landfill gas wells to provide a continuous seal of the geomembrane cover to control surface emissions.
- A sandbag ballast system is continuing to be placed on top of the geomembrane to prevent uplift of the cover.

## 2.2 MAINTENANCE

Any significant depressions in the landfill surface under the geomembrane will be repaired by cutting back the geomembrane, filling in the depression with clean soil, and then placing a patch of geomembrane material that extends beyond the cut location. A channel and/or pump capable of draining the lowest point of the depression will be constructed or installed if ponding is anticipated for a prolonged period or a change to surface drainage is required. The site engineer will be responsible for directing fill placement in the depression to facilitate drainage. Records of the depths and limits of fill placement will be maintained. Any repairs required to the geomembrane cover shall be done in accordance with original construction methods. The rope and sandbag ballast shall be repaired or replaced as necessary to provide adequate ballast from wind uplift.

Elective penetration of the geomembrane cover system associated with installation or maintenance of GCCS components will be initiated in coordination with, and with the approval of, the site engineer. All earthwork and geosynthetic repairs will be completed in accordance with the procedures contained in the specifications and construction quality assurance (CQA) plan that will be prepared for the project. For well boring excavations, the annular space between the well casing and the boring wall will be backfilled with bentonite from a depth of approximately 5-feet below grade to 3-feet below grade, to achieve an adequate seal around the pipe. A geomembrane pipe boot will then be installed around the completed well and welded to the surrounding geomembrane.

Placing a geomembrane cover over an area of the Landfill with rapid settlement could result in delays in adjustments/expansion of the GCCS and repair of low spots due to restrictions in access, the need to mobilize a liner crew to make repairs, and an inability to work in wet conditions.

## 2.3 ANTICIPATED UPDATED INSTALLATION SCHEDULE

This section provides the anticipated, updated schedule for the installation of this geosynthetic cover. This timeline is subject to change based on weather conditions, material availability, site conditions, and other unanticipated events. Work should not be performed during rain events or when the ground is too saturated as it will disturb the intermediate cover and could result in exposure of waste. The size of the cover area may also be subject to change based on further monitoring of existing or proposed gas extraction wells. To date, approximately 4.7 acres of geosynthetic cover has been installed on the northly end of the west slope of the reaction area.

Week	Approximate Dates	Phasing
Week 1 – 3	March 11 – March 29	Phase 1 Geosynthetic Cover – West Slope*
Weeks 4 – 7	April 1 – April 26	Phase 2 Geosynthetic Cover – Top Deck
Weeks 8 – 11	April 29 – May 24	Phase 3 Geosynthetic Cover – North Slope
Week 12	May 27 – May 31	Finalize reporting

\*The area of the Landfill currently covered by the scrim will be replaced by the 30 mil HDPE geomembrane once liquid levels in the area have dropped.

**Attachments:**

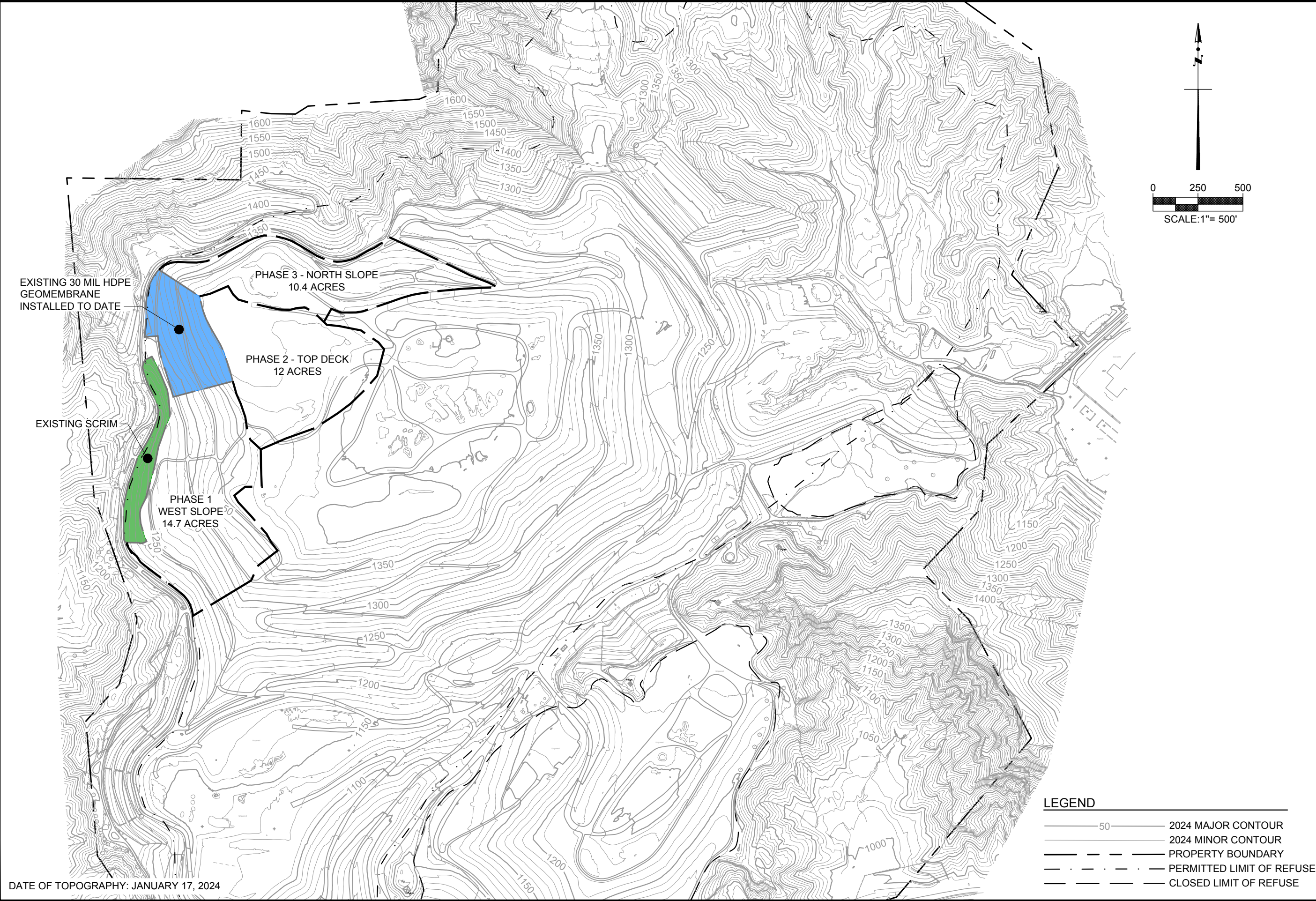
1. Approximate Limits of Geosynthetic Cover
2. 30 mil HDPE Geomembrane Technical Data Sheet



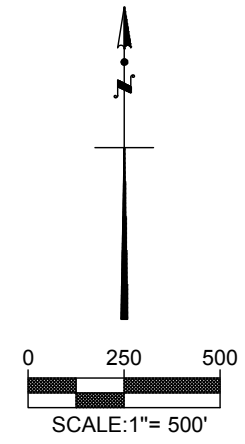
**Attachment 1**  
**Approximate Limits of Geosynthetic Cover**



P:\Waste Connections\Chiquita\Olor Control\CAD\Sheet\Figures\FIGURE 1 - APPROXIMATE LIMITS OF GEOSYNTHETIC COVER



DATE OF TOPOGRAPHY: JANUARY 17, 2024



LEGEND	
	2024 MAJOR CONTOUR
	2024 MINOR CONTOUR
	PROPERTY BOUNDARY
	PERMITTED LIMIT OF REFUSE
	CLOSED LIMIT OF REFUSE

**TETRA TECH**  
 21700 Copley Drive, Suite 200  
 Diamond Bar, CA 91765  
 TEL 909.860.7777 FAX 909.860.8017

WASTE CONNECTIONS	
DESIGNED BY: J.H.M.	DATE: 02-2023
DRAWN BY: S.T.	PROJ. NO.: 2023-0122
CHECKED BY: J.H.M.	
APPROVED BY: C.H.M.	

CHIQUITA CANYON LANDFILL

**APPROXIMATE LIMITS OF GEOSYNTHETIC COVER**

FIGURE 1



**Attachment 2**  
**30 mil HDPE Geomembrane Technical Data Sheet**

PROPERTY <sup>(1)</sup>	TEST METHOD	FREQUENCY	UNIT Imperial	1084228
<b>SPECIFICATIONS</b>				
Thickness (Nominal ±10%) (11)	ASTM D5994	Every roll	mils	30
Asperity Height (min. avg.)	ASTM D7466	Every roll	mils	16
Resin Density	ASTM D1505	Certified	g/cc	> 0.932
Melt Index - 190°C/2.16 kg (max.)	ASTM D1238	Certified	g/10 min	1.0
Density	ASTM D792	One per batch	g/cm <sup>3</sup>	≥ 0.940
Carbon Black Content	ASTM D4218	Every 2 rolls	%	2.0 - 3.0
Carbon Black Dispersion	ASTM D5596	Every 10 rolls	Category	Cat. 1 & Cat. 2
OIT - Standard (min. avg.)	ASTM D8117	Per formulation	min	100
Tensile Properties (min. avg) (2)	ASTM D6693	Every 5 rolls		
Strength at Yield			lbs/in	63
Elongation at Yield			%	12
Strength at Break			ppi	45
Elongation at Break			%	100
Tear Resistance (min. avg.)	ASTM D1004	Every 10 rolls	lbf	21
Puncture Resistance (min. avg.)	ASTM D4833	Every 10 rolls	lbf	45
Dimensional Stability	ASTM D1204	Certified	%	± 2
Stress Crack Resistance (SP-NCTL)	ASTM D5397	One per batch	hr	500
Oven Aging - % retained after 90 days	ASTM D5721	Per formulation (5)		
HP-OIT (min. avg.)	ASTM D5885		%	80
UV Resistance - % retained after 1,600 hr	ASTM D7238	Per formulation (5)		
HP-OIT (min. avg.)	ASTM D5885		%	50
<b>SUPPLY SPECIFICATIONS(Roll dimensions may vary ±1%)</b>				
Roll Dimension - Width	-		ft	22.5
Roll Dimension - Length	-		ft	830
Area (Surface/Roll)	-		ft <sup>2</sup>	18675
Color (one side) (4)	-			White

## NOTES

1. Testing frequency based on standard roll dimensions and one batch is approximately 180,000 lbs (or one railcar).
2. Machine Direction (MD) and Cross Machine Direction (XMD or TD) average values should be on the basis of 5 specimens each direction.
4. Black or grey spots may be visible on the textured surface. Smooth edge may not have the same consistent shade of color as the membrane itself. The colored layer may cause the carbon black content results to be higher than 3%.
5. Certified by core (black) formulation on geomembrane roll or molded plaque.
11. The minimum average thickness is ±10% of the nominal value.

\* All values are nominal test results, except when specified as minimum or maximum.

\* The information contained herein is provided for reference purposes only and is not intended as a warranty or guarantee. Final determination of suitability for use contemplated is the sole responsibility of the user. SOLMAX assumes no liability in connection with the use of this information.

Solmax is not a design professional and has not performed any design services to determine if Solmax's goods comply with any project plans or specifications, or with the application or use of Solmax's goods to any particular system, project, purpose, installation or specification.



Attachment J-2

Geosynthetic Cover Memorandum Update

# MEMORANDUM

---

**To:** Steve Cassulo

---

**From:** Julie Hauenstein P.E. – Tetra Tech

---

**Date:** April 19, 2024

---

**Subject:** Re: Chiquita Canyon Landfill – Mitigation Measure #2A – Updated Installation Schedule for Installation of Geosynthetic Cover

---

## 1.0 INTRODUCTION

This memorandum provides an updated installation schedule to address Mitigation Measure #2A as required by the Los Angeles County Local Enforcement Agency (the LEA). As noted in Chiquita Canyon, LLC's (Chiquita) March 4, 2024 response to the LEA's February 26, 2024 letter regarding updates to mitigation measures #1B and #2A, Chiquita had anticipated completing the installation of the 30 mil HDPE geomembrane cover over the reaction settlement area on April 26, 2024. The April 26, 2024 completion date cannot be met due to delays associated with wet weather, high winds, slope stability, and related safety concerns as documented in the weekly updates to the LEA. In addition to these delays, the cover area has been expanded which will require additional time (see Section 2.1). The anticipated installation completion date is now July 12, 2024 (see Section 2.2 for additional information).

## 2.0 GEOMEMBRANE COVER

### 2.1 GEOSYNTHETIC COVER AREA

The original acreage of the geosynthetic cover was 23.9 acres. Pursuant to Chiquita's March 4, 2024 response letter, the cover area was expanded to approximately 30 acres. The cover area has since been expanded to approximately 43.9 acres. Chiquita has elected to expand the limits of the geosynthetic cover to provide continuous coverage between the previously identified areas in an effort to increase odor control. As of the April 17, 2024 aerial photo, approximately 9.2 acres of geosynthetic cover have been installed, with 5.0 acres installed on the west slope and 4.2 acres installed on the north slope and top deck. Attachment 1 to this memorandum shows the limits of liner installed as of April 17, 2024 and the total approximate area of the Chiquita Canyon Landfill (Landfill) that is planned to be covered upon completion of installation. The size of the cover area may be subject to change based on further monitoring of existing or proposed gas extraction wells.

### 2.2 ANTICIPATED INSTALLATION SCHEDULE

The April 26, 2024 completion date cannot be met due to delays associated with wet weather, high winds, slope stability, and related safety concerns as documented in the weekly updates to the LEA. Wet weather impacts production prior to, during and after rain events. Prior to a rain event, crews have to install temporary drainage improvements and storm water best management practices (BMPs) to protect the temporary liner termination and the existing liner. During and after a rain event, crews cannot work in wet conditions as it could damage the intermediate cover and cause exposure of refuse. Once the site is dry enough crews have to cleanup any storm damage including rills in the subgrade and sediment on the geosynthetic cover before resuming production. The liner installer's health and safety plan does not allow for liner to be deployed during sustained wind speeds of 15 mph or greater since the large geosynthetic panels act as a sail and can lift people and/or equipment off the ground creating an unsafe work environment. On March 20, the

earthwork crews were directed to cease work on the western slope due to slope stability and associated safety concerns. Crews were able to move over to the north slope and continue working, however progress was impacted due to drilling operations taking place on the north slope, the laydown yard had to be relocated and additional time was needed to prepare a new area before the geosynthetic cover could be installed.

The below timeline provides an updated installation schedule and is subject to change based on weather, material availability, site conditions, further expansion of the cover and other unanticipated events.

Estimated Duration	Dates	Estimated Efforts and Goals re: Mitigation Measure #2A
1 Week	April 22 – April 26	Complete geosynthetic cover on the north slope, approximately 6.3 additional acres of geosynthetic cover
6 Weeks	April 29 – June 7	Complete geosynthetic cover on the west slope, approximately 14.9 additional acres of geosynthetic cover*
5 Weeks	June 10 – July 12	Complete geosynthetic cover on the top deck, approximately 11.7 additional acres of geosynthetic cover
1 Week	July 15 – July 19	Finalize reporting

\*The area of the Landfill currently covered by the scrim will be replaced by the 30 mil HDPE Geomembrane Cover once liquid levels in the area have dropped. This area is currently not included in this schedule.

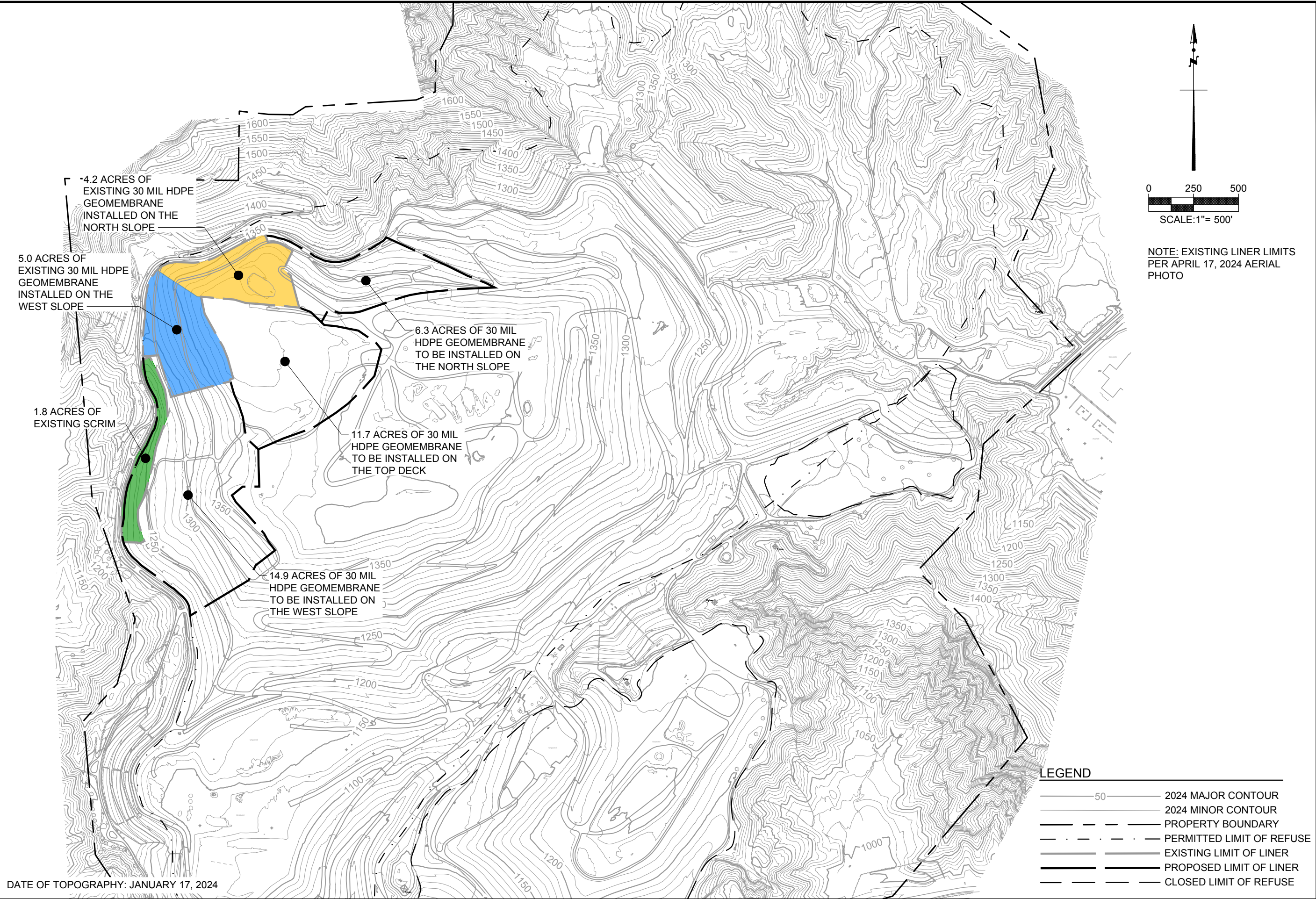
**Attachments:**

1. Approximate limits of Geosynthetic Cover

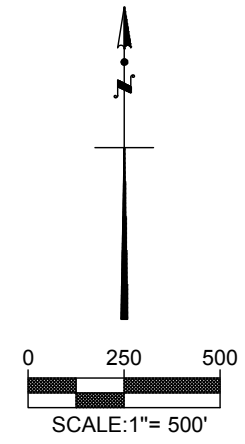
**Attachment 1**  
**Approximate Limits of Geosynthetic Cover**



P:\Waste Connections\Chiquita\Olor Control\CAD\Sheet\Figures\FIGURE 1 - APPROXIMATE LIMITS OF GEOSYNTHETIC COVER



DATE OF TOPOGRAPHY: JANUARY 17, 2024



NOTE: EXISTING LINER LIMITS PER APRIL 17, 2024 AERIAL PHOTO

**LEGEND**

	2024 MAJOR CONTOUR
	2024 MINOR CONTOUR
	PROPERTY BOUNDARY
	PERMITTED LIMIT OF REFUSE
	EXISTING LIMIT OF LINER
	PROPOSED LIMIT OF LINER
	CLOSED LIMIT OF REFUSE

**TETRA TECH**  
 21700 Copley Drive, Suite 200  
 Diamond Bar, CA 91765  
 TEL 909.860.7777 FAX 909.860.8017

WASTE CONNECTIONS	
DESIGNED BY: J.H.M.	DATE: 02-2023
DRAWN BY: S.T.	PROJ. NO.: 2023-0122
CHECKED BY: J.H.M.	
APPROVED BY: C.H.M.	

CHIQUITA CANYON LANDFILL

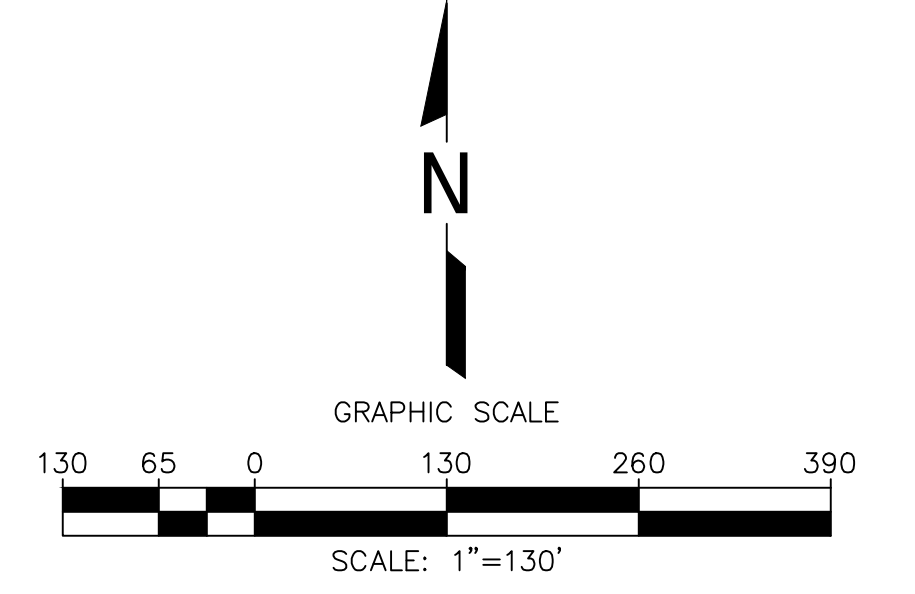
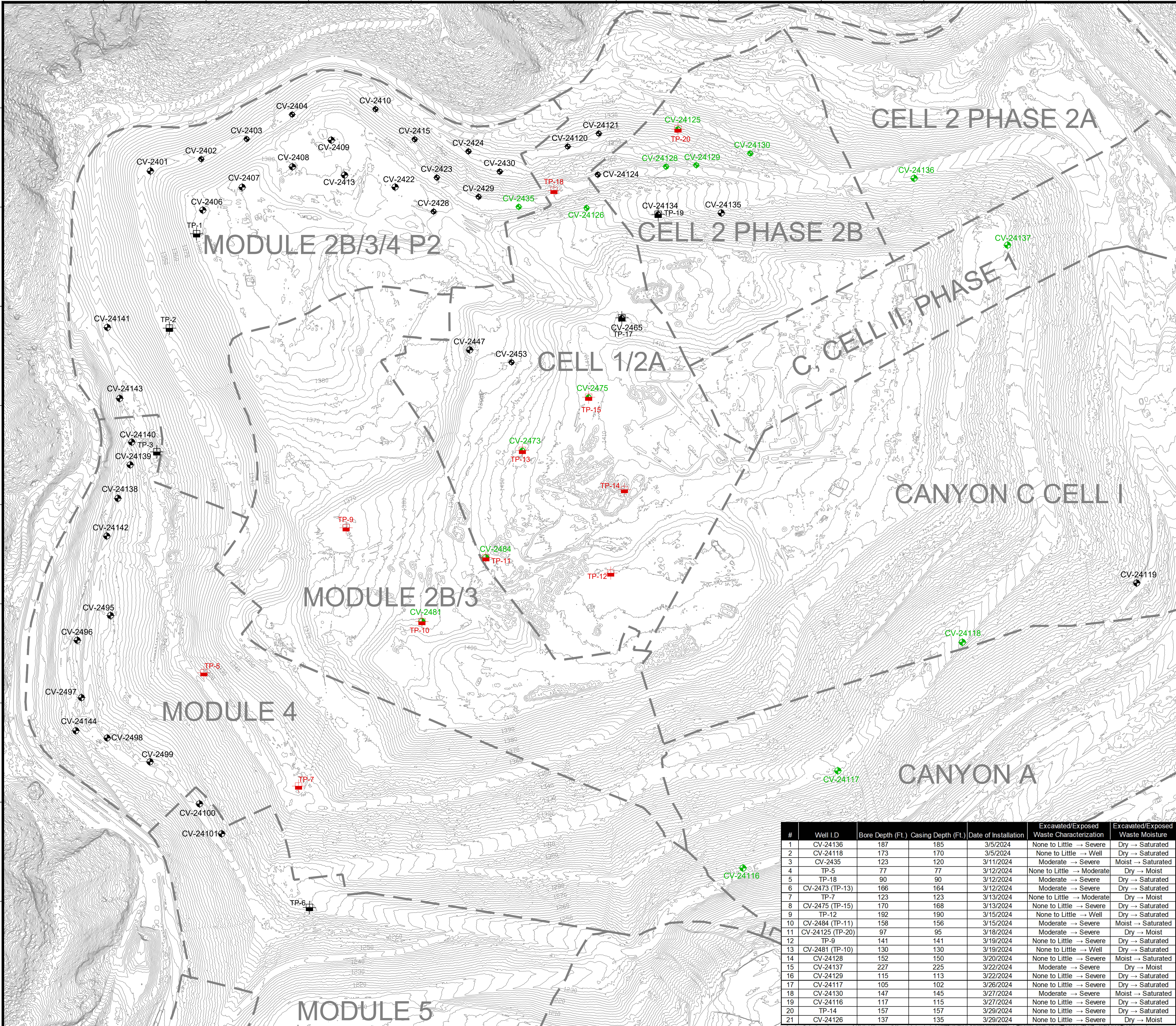
**APPROXIMATE LIMITS OF GEOSYNTHETIC COVER**

**FIGURE 1**

Attachment K

Drilling Map





**LEGEND**

1150	EXISTING TOPOGRAPHIC CONTOUR
- - - -	EXISTING CELL LIMITS (APPROXIMATE)
◆ CV-XX	PROPOSED LFG EXTRACTION WELL - INSTALLED
◆ CV-XX	PROPOSED LFG EXTRACTION WELL - INSTALLED MARCH 2024
⊕ TP-XX	PROPOSED TEMPERATURE PROBE - INSTALLED
⊕ TP-XX	PROPOSED TEMPERATURE PROBE - INSTALLED MARCH 2024

DATE	
REVISION	
NO.	
SHEET TITLE:	WELL/TEMPERATURE PROBE INSTALLATION MAP
PROJECT TITLE:	CHICUITA CANYON LANDFILL CASTAIC, CALIFORNIA
CLIENT:	CHICUITA CANYON LANDFILL CASTAIC, CALIFORNIA
DATE:	04/18/2024
SCALE:	AS SHOWN
SHEET:	1

#	Well I.D.	Bore Depth (Ft.)	Casing Depth (Ft.)	Date of Installation	Excavated/Exposed Waste Characterization	Excavated/Exposed Waste Moisture
1	CV-24136	187	185	3/5/2024	None to Little → Severe	Dry → Saturated
2	CV-24118	173	170	3/5/2024	None to Little → Well	Dry → Saturated
3	CV-2435	123	120	3/11/2024	Moderate → Severe	Moist → Saturated
4	TP-5	77	77	3/12/2024	None to Little → Moderate	Dry → Moist
5	TP-18	90	90	3/12/2024	Moderate → Severe	Dry → Saturated
6	CV-2473 (TP-13)	166	164	3/12/2024	Moderate → Severe	Dry → Saturated
7	TP-7	123	123	3/13/2024	None to Little → Moderate	Dry → Moist
8	CV-2475 (TP-15)	170	168	3/13/2024	None to Little → Severe	Dry → Saturated
9	TP-12	192	190	3/15/2024	None to Little → Well	Dry → Saturated
10	CV-2484 (TP-11)	158	156	3/15/2024	Moderate → Severe	Moist → Saturated
11	CV-24125 (TP-20)	97	95	3/18/2024	Moderate → Severe	Dry → Moist
12	TP-9	141	141	3/19/2024	None to Little → Severe	Dry → Saturated
13	CV-2481 (TP-10)	130	130	3/19/2024	None to Little → Well	Dry → Saturated
14	CV-24128	152	150	3/20/2024	None to Little → Severe	Moist → Saturated
15	CV-24137	227	225	3/22/2024	Moderate → Severe	Dry → Moist
16	CV-24129	115	113	3/22/2024	None to Little → Severe	Dry → Saturated
17	CV-24117	105	102	3/26/2024	None to Little → Severe	Dry → Saturated
18	CV-24130	147	145	3/27/2024	Moderate → Severe	Moist → Saturated
19	CV-24116	117	115	3/27/2024	None to Little → Severe	Dry → Saturated
20	TP-14	157	157	3/29/2024	None to Little → Severe	Dry → Saturated
21	CV-24126	137	135	3/29/2024	None to Little → Severe	Dry → Moist

**GENERAL DRAWING NOTES:**

- EXISTING TOPOGRAPHIC SURVEY INFORMATION SHOWN WAS PROVIDED BY PROPELLER. AERIAL PHOTOGRAPHY DATED MARCH 27, 2024.
- NORTH ARROW SHOWN HERE IS REFERENCE TO THE CALIFORNIA STATE PLANE ZONE V COORDINATE SYSTEM, NAD 83.



Attachment L

Leachate Temperature Data



## Chiquita Canyon Landfill Leachate Tank Temperatures

Date: 3/7/2024

Technician: Christian Villagomez/Daniel Aleman

Time	Location	Temperature (F)
9:30 AM	LCRS Settling Frac Tank (20K Brown)	84.16
10:00 AM	South Cell 8 Tank Farm (Force Main B)	56.78
11:00 AM	Top Deck (Receiving Red Tanks)	57.12
11:30 AM	North Perimeter Tanks (Receiving Light Gray Tank)	67.45
12:00 PM	East Tanks (Receiving Light Blue Tank)	68.22
12:30 PM	Top Deck Storage Tanks (White Tanks)	64.99

Comments \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Attachment M  
Leachate Seep Report



**CHIQUITA CANYON**  
*A Waste Connections Company*

March 5, 2024

***Via E-Mail***

Baitong Chen, Air Quality Engineer, [bchen@aqmd.gov](mailto:bchen@aqmd.gov)

Nathaniel Dickel, Senior Air Quality Engineer, [ndickel@aqmd.gov](mailto:ndickel@aqmd.gov)

Christina Ojeda, Air Quality Inspector, [cojeda@aqmd.gov](mailto:cojeda@aqmd.gov)

South Coast Air Quality Management District  
21865 East Copley Drive  
Diamond Bar, California 91765-4182

**Re: Chiquita Canyon, LLC's Weekly Leachate Inspection Report for Stipulated Order for Abatement (Case No. 6177-4), Condition 27(c)**

All:

Pursuant to Condition 27(c) of the Stipulated Order for Abatement with the South Coast Air Quality Management District in Case No. 6177-4, Chiquita Canyon, LLC (Chiquita) encloses a compilation of the twice daily leachate seep inspection logs for the dates of February 26 through March 3, 2024.

During this time, there was no ongoing leachate seepage or pooling at the Chiquita Canyon Landfill that occurred at a location more than once within the calendar week. Note that seeps occurred on February 27 and February 28 in grid 206; on February 28 and February 29 in grid 207; and on March 1 and March 3 in grid 78. These were separate seeps, not an ongoing leachate seep under Condition 37(c), because Chiquita repaired and contained each respective incident. There is no additional information to provide under Condition 27(c).

Regards,

*Amanda Froman*

Amanda Froman  
Compliance Manager  
Chiquita Canyon, LLC

Attachment: Leachate Inspection Logs from February 26 – March 3, 2024

# 4050 - Chiquita Leachate Seep/Pooling Inspection

26 Feb 2024 / Tom Roe

Complete

**Conducted on**

26 Feb 2024 7:35 AM PST

---

**Prepared by**

Tom Roe

---



## Leachate Seep Inspection

Leachate seep/pooling Inspection

Leachate seep/pooling Inspection 1

Has a leachate seep/pooling been located?

No



Photo 1



Photo 2

**Description of area in photo where there is no leachate seepage or pooling.**

View of the perimeter road from above. No seepage or pooling found.

# 4050 - Chiquita Leachate Seep/Pooling Inspection

26 Feb 2024 / Tom Roe

Complete

**Conducted on**

26 Feb 2024 1:32 PM PST

---

**Prepared by**

Tom Roe

---

## Leachate Seep Inspection

Leachate seep/pooling Inspection

Leachate seep/pooling Inspection 1

Has a leachate seep/pooling been located?

No



Photo 1



Photo 2



Photo 3

**Description of area in photo where there is no leachate seepage or pooling.**

Various views of perimeter road.  
No seepage or pooling found.

# 4050 - Chiquita Leachate Seep/Pooling Inspection

27 Feb 2024 / Tom Roe

Complete

**Conducted on**

27 Feb 2024 7:44 AM PST

---

**Prepared by**

Tom Roe

---



## Leachate Seep Inspection

Leachate seep/pooling Inspection

Leachate seep/pooling Inspection 1

Has a leachate seep/pooling been located?

Yes

Which grid is the leachate seep/pooling located?

206

Indicate on the map the location



Time seep/pooling was discovered

27 Feb 2024 8:20 AM PST

Estimated duration of presence of leachate at such location

12 hours

Estimated quantity of leachate

1-5 gallons

Extent of area impacted (approximate sq ft impacted or length of channel)

5 Sq ft

Odor type

Leachate

Odor intensity

1 - Very Light Odor Detected

Surrounding soil saturation level

Standing free liquid

Image of seep/pooling



Photo 1



Photo 2



Photo 3

**Did the seep/pooling travel into the stormwater channel?**

No

**Actions taken to contain seep/pooling?**

Liquid was pumped off of the scrim and stopped the seep. Soiled dirt was removed and fresh dirt was applied to the road.

# 4050 - Chiquita Leachate Seep/Pooling Inspection

27 Feb 2024 / Tom Roe

Complete

**Conducted on**

27 Feb 2024 1:22 PM PST

---

**Prepared by**

Tom Roe

---

## Leachate Seep Inspection

Leachate seep/pooling Inspection

Leachate seep/pooling Inspection 1

Has a leachate seep/pooling been located?

No



Photo 1

**Description of area in photo where there is no leachate seepage or pooling.**

Area that had a pool this morning has been cleaned up and no more seeping or pooling is occurring.



# 4050 - Chiquita Leachate Seep/Pooling Inspection

28 Feb 2024 / Tom Roe

Complete

**Conducted on**

28 Feb 2024 8:41 AM PST

---

**Prepared by**

Tom Roe

---

## Leachate Seep Inspection

Leachate seep/pooling Inspection

Leachate seep/pooling Inspection 1

Has a leachate seep/pooling been located?

No



Photo 1

**Description of area in photo where there is no leachate seepage or pooling.**

View from the top deck of the perimeter road. No seeps or pooling found.

# 4050 - Chiquita Leachate Seep/Pooling Inspection

28 Feb 2024 / Tom Roe

Complete

**Conducted on**

28 Feb 2024 12:56 PM PST

---

**Prepared by**

Tom Roe

---

## Leachate Seep Inspection

Leachate seep/pooling Inspection

Leachate seep/pooling Inspection 1

Has a leachate seep/pooling been located?

Yes

Which grid is the leachate seep/pooling located?

206

Indicate on the map the location



Time seep/pooling was discovered

28 Feb 2024 12:59 PM PST

Estimated duration of presence of leachate at such location

4 hours

Estimated quantity of leachate

1-5 gallons

Extent of area impacted (approximate sq ft impacted or length of channel)

50 ft.

Odor type

Leachate

Odor intensity

2 - Light Odor Detected

Surrounding soil saturation level

Standing free liquid

Image of seep/pooling





Photo 1



Photo 2



Photo 3



Photo 4

**Did the seep/pooling travel into the stormwater channel?**

No

**Actions taken to contain seep/pooling?**

Scrim was pulled up and channel was dug out. Scrim and sandbags were replaced.



Photo 5



Photo 6



# 4050 - Chiquita Leachate Seep/Pooling Inspection

28 Feb 2024 / Tom Roe

Complete

**Conducted on**

28 Feb 2024 5:00 PM PST

---

**Prepared by**

Tom Roe

---

## Leachate Seep Inspection

Leachate seep/pooling Inspection

Leachate seep/pooling Inspection 1

Has a leachate seep/pooling been located?

Yes

Which grid is the leachate seep/pooling located?

207

Indicate on the map the location



Time seep/pooling was discovered

28 Feb 2024 5:01 PM PST

Estimated duration of presence of leachate at such location

30 min

Estimated quantity of leachate

20-50 gallons

Extent of area impacted (approximate sq ft impacted or length of channel)

20ft x 10ft

Odor type

Leachate

Odor intensity

3 - Moderate Odor

Surrounding soil saturation level

Standing free liquid

Image of seep/pooling

Pump was failing and leachate was leaking out of a connection.





Photo 1



Photo 2



Photo 3



Photo 4

**Did the seep/pooling travel into the stormwater channel?**

No

**Actions taken to contain seep/pooling?**

Pump has been repaired. Standing leachate has been vacuumed off the road and fresh dirt applied to the road.



Photo 5

---

# 4050 - Chiquita Leachate Seep/Pooling Inspection

29 Feb 2024 / John Boucher

Complete

**Conducted on**

29 Feb 2024 7:40 AM PST

---

**Prepared by**

John Boucher

---

## Leachate Seep Inspection

Leachate seep/pooling Inspection

Leachate seep/pooling Inspection 1

Has a leachate seep/pooling been located?

Yes

Which grid is the leachate seep/pooling located?

207

Indicate on the map the location



Time seep/pooling was discovered

29 Feb 2024 7:42 AM PST

Estimated duration of presence of leachate at such location

8 hours

Estimated quantity of leachate

>50 gallons

Extent of area impacted (approximate sq ft impacted or length of channel)

200 sq/ft

Odor type

Leachate

Odor intensity

3 - Moderate Odor

Surrounding soil saturation level

Standing free liquid

Image of seep/pooling





Photo 1



Photo 2



Photo 3

**Did the seep/pooling travel into the stormwater channel?**

**Yes**



Photo 4



Photo 5

**Did the seep/pooling travel to the stormwater basin?**

**No**

**Actions taken to contain seep/pooling?**

Failure with the pump, it was fixed and restarted. Leachate was vacuumed off the road and stormwater channel and new dirt added to road and track walked.



Photo 6



Photo 7



Photo 8

Leachate seep/pooling Inspection 2

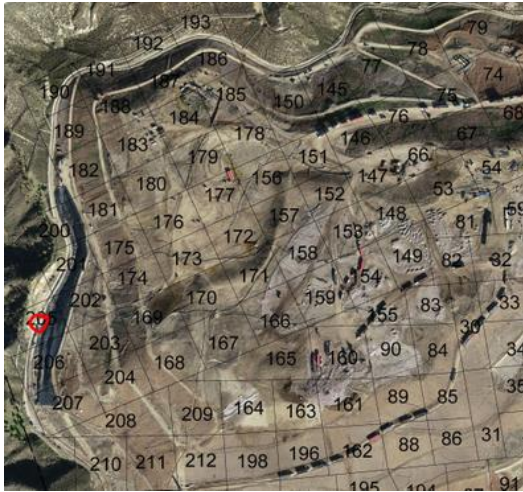
**Has a leachate seep/pooling been located?**

Yes

**Which grid is the leachate seep/pooling located?**

205

**Indicate on the map the location**



**Time seep/pooling was discovered**

29 Feb 2024 7:51 AM PST

**Estimated duration of presence of leachate at such location**

3 hours

**Estimated quantity of leachate**

5-10 gallons

**Extent of area impacted (approximate sq ft impacted or length of channel)**

125 sq/ft

**Odor type**

Leachate

**Odor intensity**

3 - Moderate Odor

**Surrounding soil saturation level**

Standing free liquid

**Image of seep/pooling**



Photo 9

**Did the seep/pooling travel into the stormwater channel?**

No

**Actions taken to contain seep/pooling?**



Failure with the pump, it was fixed and restarted. Leachate was vacuumed off the road and stormwater channel and new dirt added to road and track walked.



Photo 10



Photo 11

### Leachate seep/pooling Inspection 3

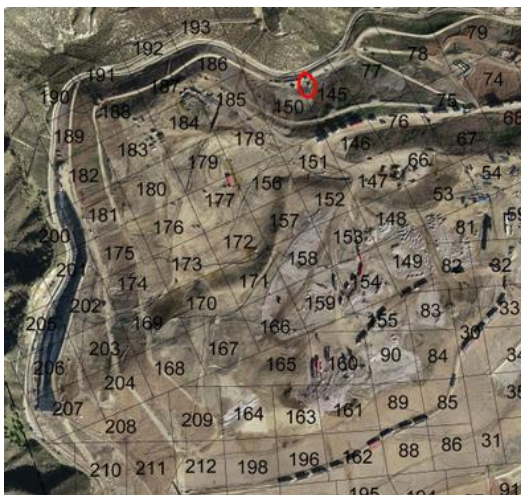
**Has a leachate seep/pooling been located?**

Yes

**Which grid is the leachate seep/pooling located?**

145

**Indicate on the map the location**



**Time seep/pooling was discovered**

29 Feb 2024 8:24 AM PST

**Estimated duration of presence of leachate at such location**

6 hours

**Estimated quantity of leachate**

20-50 gallons

**Extent of area impacted (approximate sq ft impacted or length of channel)**

200 ft

**Odor type**

Leachate



Odor intensity

3 - Moderate Odor

Surrounding soil saturation level

Standing free liquid

Image of seep/pooling



Photo 12



Photo 13



Photo 14



Photo 15

Did the seep/pooling travel into the stormwater channel?

Yes



Photo 16

**Did the seep/pooling travel to the stormwater basin?**

No

**Actions taken to contain seep/pooling?**

Pump within the sump was fixed. Leachate was vacuumed off the road and stormwater channel and new dirt added to road and track walked.



Photo 17



Photo 18



Photo 19



Photo 20



Photo 21



Photo 22

# 4050 - Chiquita Leachate Seep/Pooling Inspection

29 Feb 2024 / John Boucher

Complete

**Conducted on**

29 Feb 2024 4:11 PM PST

---

**Prepared by**

John Boucher

---



## Leachate Seep Inspection

Leachate seep/pooling Inspection

Leachate seep/pooling Inspection 1

Has a leachate seep/pooling been located?

No



Photo 1

**Description of area in photo where there is no leachate seepage or pooling.**

West side perimeter road

# 4050 - Chiquita Leachate Seep/Pooling Inspection

1 Mar 2024 / John Boucher

Complete

**Conducted on**

1 Mar 2024 9:27 AM PST

---

**Prepared by**

John Boucher

---

## Leachate Seep Inspection

Leachate seep/pooling Inspection

Leachate seep/pooling Inspection 1

Has a leachate seep/pooling been located?

No



Photo 1

**Description of area in photo where there is no leachate seepage or pooling.**

Top deck hill, previous small seep area

# 4050 - Chiquita Leachate Seep/Pooling Inspection

1 Mar 2024 / John boucher

Complete

**Conducted on**

1 Mar 2024 1:45 PM PST

---

**Prepared by**

John boucher

---



## Leachate Seep Inspection

Leachate seep/pooling Inspection

Leachate seep/pooling Inspection 1

Has a leachate seep/pooling been located?

Yes

Which grid is the leachate seep/pooling located?

78

Indicate on the map the location



Time seep/pooling was discovered

1 Mar 2024 1:46 PM PST

Estimated duration of presence of leachate at such location

4 hours

Estimated quantity of leachate

>50 gallons

Extent of area impacted (approximate sq ft impacted or length of channel)

500ft

Odor type

Leachate

Odor intensity

4 - Strong Odor

Surrounding soil saturation level

Standing free liquid

Image of seep/pooling



Photo 1



Photo 2



Photo 3



Photo 4

**Did the seep/pooling travel into the stormwater channel?**

Yes



Photo 5



Photo 6

**Did the seep/pooling travel to the stormwater basin?**

No





Photo 7

---

### Actions taken to contain seep/pooling?

Fresh dirt added on top of the seep and was compacted into the hole where seep was found. Vacuum truck removed any excess leachate and stormwater channel was pressure washed.



Photo 8



Photo 9



Photo 10

## Leachate seep/pooling Inspection 2

Has a leachate seep/pooling been located?

Yes

Which grid is the leachate seep/pooling located?

151

Indicate on the map the location



Time seep/pooling was discovered

1 Mar 2024 2:50 PM PST

Estimated duration of presence of leachate at such location

1 hour

Estimated quantity of leachate

<1 gallons

Extent of area impacted (approximate sq ft impacted or length of channel)

9sq/ft

Odor type

Leachate

Odor intensity

1 - Very Light Odor Detected

Surrounding soil saturation level

Saturated

Image of seep/pooling





Photo 11



Photo 12

**Did the seep/pooling travel into the stormwater channel?**

No

**Actions taken to contain seep/pooling?**

Scraped away then new dirt added on top



Photo 13



Photo 14

# 4050 - Chiquita Leachate Seep/Pooling Inspection

2 Mar 2024 / John Boucher

Complete

**Conducted on**

2 Mar 2024 8:44 AM PST

---

**Prepared by**

John Boucher

---

## Leachate Seep Inspection

Leachate seep/pooling Inspection

Leachate seep/pooling Inspection 1

Has a leachate seep/pooling been located?

No



Photo 1



Photo 2

**Description of area in photo where there is no leachate seepage or pooling.**

West side perimeter road

# 4050 - Chiquita Leachate Seep/Pooling Inspection

2 Mar 2024 / John Boucher

Complete

**Conducted on**

2 Mar 2024 1:42 PM PST

---

**Prepared by**

John Boucher

---



## Leachate Seep Inspection

Leachate seep/pooling Inspection

Leachate seep/pooling Inspection 1

Has a leachate seep/pooling been located?

No



Photo 1

**Description of area in photo where there is no leachate seepage or pooling.**

North Side perimeter (common seep area)

# 4050 - Chiquita Leachate Seep/Pooling Inspection

3 Mar 2024 / Tom Roe

Complete

**Conducted on**

3 Mar 2024 9:00 AM PST

---

**Prepared by**

Tom Roe

---

## Leachate Seep Inspection

Leachate seep/pooling Inspection

Leachate seep/pooling Inspection 1

Has a leachate seep/pooling been located?

No

PATR4-43260510NA118.651724



Photo 1

**Description of area in photo where there is no leachate seepage or pooling.**

West side perimeter road. No seeps or pooling found.

# 4050 - Chiquita Leachate Seep/Pooling Inspection

3 Mar 2024 / Tom Roe

Complete

**Conducted on**

3 Mar 2024 1:41 PM PST

---

**Prepared by**

Tom Roe

---



## Leachate Seep Inspection

Leachate seep/pooling Inspection

Leachate seep/pooling Inspection 1

Has a leachate seep/pooling been located?

Yes

Which grid is the leachate seep/pooling located?

78

Indicate on the map the location



Time seep/pooling was discovered

3 Mar 2024 2:03 PM PST

Estimated duration of presence of leachate at such location

1 day or less

Estimated quantity of leachate

>50 gallons

Extent of area impacted (approximate sq ft impacted or length of channel)

300 ft

Odor type

Leachate

Odor intensity

3 - Moderate Odor

Surrounding soil saturation level

Standing free liquid

Image of seep/pooling

Sample port came off of well.  
There is some leachate seeping just up the road from the well.



Photo 1



Photo 2



Photo 3



Photo 4

**Did the seep/pooling travel into the stormwater channel?**

Yes



Photo 5



Photo 6

**Did the seep/pooling travel to the stormwater basin?**

No



**Actions taken to contain seep/pooling?**

A permanent cap was placed on the sample port as this port has come off before. Dirt was brought in to contain leachate seep.



Photo 7



Photo 8



Photo 9



Photo 10



March 12, 2024

***Via E-Mail***

Baitong Chen, Air Quality Engineer, [bchen@aqmd.gov](mailto:bchen@aqmd.gov)

Nathaniel Dickel, Senior Air Quality Engineer, [ndickel@aqmd.gov](mailto:ndickel@aqmd.gov)

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South Coast Air Quality Management District  
21865 East Copley Drive  
Diamond Bar, California 91765-4182

**Re: Chiquita Canyon, LLC's Weekly Leachate Inspection Report for Stipulated Order for Abatement (Case No. 6177-4), Condition 27(c)**

All:

Pursuant to Condition 27(c) of the Stipulated Order for Abatement with the South Coast Air Quality Management District in Case No. 6177-4, Chiquita Canyon, LLC (Chiquita) encloses a compilation of the twice daily leachate seep inspection logs for the dates of March 4 through March 10, 2024.

During this time, there was one ongoing leachate seep at the Chiquita Canyon Landfill. The seep occurred between March 4 and 5 in grid 78. The exact location of said seep is set forth in the maps included in the attachment.

The amount of leachate in the affected grid varied daily, ranging between approximately 20 and greater than 50 gallons of leachate. The saturation of the soil was consistently "Standing Free Liquid." The odor started as "Strong Odor" but decreased to "Light Odor Detected" as Chiquita began implementing mitigation measures. On Monday, March 4, Chiquita immediately began its mitigation efforts by covering the affected area with clean soil and vacuuming the leachate from the stormwater channel. After observing pooling leachate in the afternoon, Chiquita promptly installed a dirt berm to assist in containing future seeps and placed an additional layer of clean soil over the affected area. The next morning, March 5, Chiquita continuously vacuumed any leachate that had accumulated in the dirt berm. Chiquita managed to contain the seep by the afternoon after getting the leachate to drain into the leachate collection system under the soil.

Note that the seeps that occurred on March 7 and 10 in grid 176 were separate seeps, not an ongoing leachate seep under Condition 37(c), because Chiquita repaired and contained each respective incident. There is no additional information to provide under Condition 27(c).



March 12, 2024  
Page 2 of 2

Regards,

*Amanda Froman*

Amanda Froman  
Compliance Manager  
Chiquita Canyon, LLC

Attachment: Leachate Inspection Logs from March 4 – March 10, 2024

# 4050 - Chiquita Leachate Seep/Pooling Inspection

4 Mar 2024 / Tom Roe

Complete

**Conducted on**

4 Mar 2024 8:07 AM PST

---

**Prepared by**

Tom Roe

---

## Leachate Seep Inspection

Leachate seep/pooling Inspection

Leachate seep/pooling Inspection 1

Has a leachate seep/pooling been located?

Yes

Which grid is the leachate seep/pooling located?

78

Indicate on the map the location



Time seep/pooling was discovered

4 Mar 2024 8:08 AM PST

Estimated duration of presence of leachate at such location

1 day

Estimated quantity of leachate

>50 gallons

Extent of area impacted (approximate sq ft impacted or length of channel)

300 ft

Odor type

Leachate

Odor intensity

4 - Strong Odor

Surrounding soil saturation level

Standing free liquid

Image of seep/pooling



Photo 1



Photo 2



Photo 3



Photo 4



Photo 5

**Did the seep/pooling travel into the stormwater channel?**

**Yes**





Photo 6

**Did the seep/pooling travel to the stormwater basin?**

No

**Actions taken to contain seep/pooling?**

Area filled with dirt to contain seep, vac truck vacuumed out the stormwater channel.



Photo 7



Photo 8

# 4050 - Chiquita Leachate Seep/Pooling Inspection

4 Mar 2024 / Tom Roe

Complete

**Conducted on**

4 Mar 2024 1:13 PM PST

---

**Prepared by**

Tom Roe

---

## Leachate Seep Inspection

Leachate seep/pooling Inspection

Leachate seep/pooling Inspection 1

Has a leachate seep/pooling been located?

Yes

Which grid is the leachate seep/pooling located?

78

Indicate on the map the location



Time seep/pooling was discovered

4 Mar 2024 1:14 PM PST

Estimated duration of presence of leachate at such location

3 hrs

Estimated quantity of leachate

20-50 gallons

Extent of area impacted (approximate sq ft impacted or length of channel)

150 ft

Odor type

Leachate

Odor intensity

3 - Moderate Odor

Surrounding soil saturation level

Standing free liquid

Image of seep/pooling



Photo 1



Photo 2



Photo 3



Photo 4

**Did the seep/pooling travel into the stormwater channel?**

No

**Actions taken to contain seep/pooling?**

Soiled dirt was removed and fresh dirt was applied to the area. A dirt berm was created to assist in containing any future seep.





Photo 5



Photo 6

# 4050 - Chiquita Leachate Seep/Pooling Inspection

5 Mar 2024 / Tom Roe

Complete

**Conducted on**

5 Mar 2024 7:51 AM PST

---

**Prepared by**

Tom Roe

---

## Leachate Seep Inspection

Leachate seep/pooling Inspection

Leachate seep/pooling Inspection 1

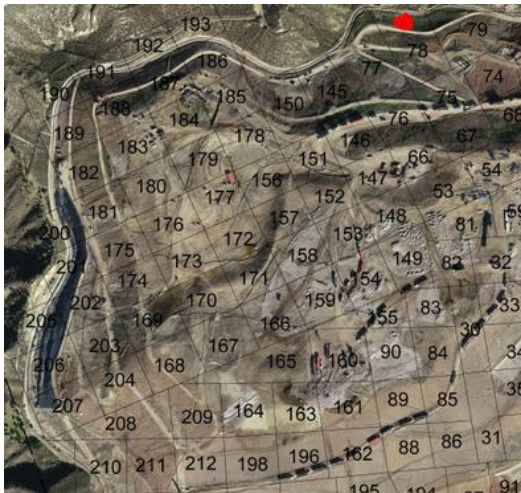
Has a leachate seep/pooling been located?

Yes

Which grid is the leachate seep/pooling located?

78

Indicate on the map the location



Time seep/pooling was discovered

5 Mar 2024 7:52 AM PST

Estimated duration of presence of leachate at such location

1 day

Estimated quantity of leachate

>50 gallons

Extent of area impacted (approximate sq ft impacted or length of channel)

10 Sq ft

Odor type

Leachate

Odor intensity

3 - Moderate Odor

Surrounding soil saturation level

Standing free liquid

Image of seep/pooling



Photo 1



Photo 2

**Did the seep/pooling travel into the stormwater channel?**

No

**Actions taken to contain seep/pooling?**

Work is underway to fix the seep in this area. Leachate is contained to this "pool" which is on the lined portion of the landfill. Vac trucks continuously vacuum out the liquid within the "pool" until the seep is completely repaired.



Photo 3



Photo 4



# 4050 - Chiquita Leachate Seep/Pooling Inspection

5 Mar 2024 / Tom Roe

Complete

**Conducted on**

5 Mar 2024 4:41 PM PST

---

**Prepared by**

Tom Roe

---

## Leachate Seep Inspection

Leachate seep/pooling Inspection

Leachate seep/pooling Inspection 1

Has a leachate seep/pooling been located?

Yes

Which grid is the leachate seep/pooling located?

78

Indicate on the map the location



Time seep/pooling was discovered

5 Mar 2024 4:44 PM PST

Estimated duration of presence of leachate at such location

2 days

Estimated quantity of leachate

20-50 gallons

Extent of area impacted (approximate sq ft impacted or length of channel)

10 Sq ft

Odor type

Leachate

Odor intensity

2 - Light Odor Detected

Surrounding soil saturation level

Standing free liquid

Image of seep/pooling



Photo 1



Photo 2

**Did the seep/pooling travel into the stormwater channel?**

No

**Actions taken to contain seep/pooling?**

The team has been working on this seep and was able to get the liquids to drain into the leachate collection system under the soil.



Photo 3

# 4050 - Chiquita Leachate Seep/Pooling Inspection

6 Mar 2024 / John Boucher

Complete

**Conducted on**

6 Mar 2024 8:05 AM PST

---

**Prepared by**

John Boucher

---



## Leachate Seep Inspection

Leachate seep/pooling Inspection

Leachate seep/pooling Inspection 1

Has a leachate seep/pooling been located?

No



Photo 1

**Description of area in photo where there is no leachate seepage or pooling.**

North side previous seep location

# 4050 - Chiquita Leachate Seep/Pooling Inspection

6 Mar 2024 / John Boucher

Complete

**Conducted on**

6 Mar 2024 2:05 PM PST

---

**Prepared by**

John Boucher

---

## Leachate Seep Inspection

Leachate seep/pooling Inspection

Leachate seep/pooling Inspection 1

Has a leachate seep/pooling been located?

No



Photo 1

**Description of area in photo where there is no leachate seepage or pooling.**

Previous seep location on north side

# 4050 - Chiquita Leachate Seep/Pooling Inspection

7 Mar 2024 / John Boucher

Complete

**Conducted on**

7 Mar 2024 8:21 AM PST

---

**Prepared by**

John Boucher

---



## Leachate Seep Inspection

Leachate seep/pooling Inspection

Leachate seep/pooling Inspection 1

Has a leachate seep/pooling been located?

Yes

Which grid is the leachate seep/pooling located?

176

Indicate on the map the location



Time seep/pooling was discovered

7 Mar 2024 9:53 AM PST

Estimated duration of presence of leachate at such location

5 hours

Estimated quantity of leachate

5-10 gallons

Extent of area impacted (approximate sq ft impacted or length of channel)

40sq ft

Odor type

Leachate

Odor intensity

2 - Light Odor Detected

Surrounding soil saturation level

Standing free liquid

Image of seep/pooling



Photo 1



Photo 2

**Did the seep/pooling travel into the stormwater channel?**

No

**Actions taken to contain seep/pooling?**

Vac truck vacuumed the standing liquid and area covered with fresh dirt.



Photo 3

# 4050 - Chiquita Leachate Seep/Pooling Inspection

7 Mar 2024 / John Boucher

Complete

**Conducted on**

7 Mar 2024 2:22 PM PST

---

**Prepared by**

John Boucher

---

## Leachate Seep Inspection

Leachate seep/pooling Inspection

Leachate seep/pooling Inspection 1

Has a leachate seep/pooling been located?

No



Photo 1

**Description of area in photo where there is no leachate seepage or pooling.**

West side view from top deck



# 4050 - Chiquita Leachate Seep/Pooling Inspection

8 Mar 2024 / John Boucher

Complete

**Conducted on**

8 Mar 2024 7:35 AM PST

---

**Prepared by**

John Boucher

---

## Leachate Seep Inspection

Leachate seep/pooling Inspection

Leachate seep/pooling Inspection 1

Has a leachate seep/pooling been located?

Yes

Which grid is the leachate seep/pooling located?

150

Indicate on the map the location



Time seep/pooling was discovered

8 Mar 2024 7:36 AM PST

Estimated duration of presence of leachate at such location

6 hours

Estimated quantity of leachate

>50 gallons

Extent of area impacted (approximate sq ft impacted or length of channel)

400 Sq ft

Odor type

Leachate

Odor intensity

3 - Moderate Odor

Surrounding soil saturation level

Standing free liquid

Image of seep/pooling



Photo 1

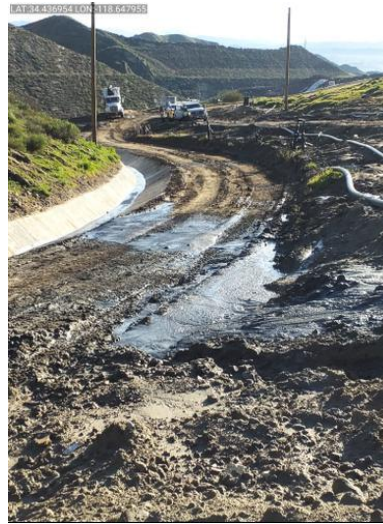


Photo 2

**Did the seep/pooling travel into the stormwater channel?**

Yes



Photo 3

**Did the seep/pooling travel to the stormwater basin?**

No

**Actions taken to contain seep/pooling?**

Broken pipe fixed, Check dam added to stormwater channel, leachate vacuumed out, new dirt added to cover area



Photo 4



Photo 5



Photo 6



Photo 7



Photo 8



# 4050 - Chiquita Leachate Seep/Pooling Inspection

8 Mar 2024 / John Boucher

Complete

**Conducted on**

8 Mar 2024 2:15 PM PST

---

**Prepared by**

John Boucher

---

## Leachate Seep Inspection

Leachate seep/pooling Inspection

Leachate seep/pooling Inspection 1

Has a leachate seep/pooling been located?

No



Photo 1

**Description of area in photo where there is no leachate seepage or pooling.**

Previous seep location on north side

# 4050 - Chiquita Leachate Seep/Pooling Inspection

9 Mar 2024 / John Boucher

Complete

**Conducted on**

9 Mar 2024 8:35 AM PST

---

**Prepared by**

John Boucher

---

## Leachate Seep Inspection

Leachate seep/pooling Inspection

Leachate seep/pooling Inspection 1

Has a leachate seep/pooling been located?

No



Photo 1

**Description of area in photo where there is no leachate seepage or pooling.**

Perimeter road west side



# 4050 - Chiquita Leachate Seep/Pooling Inspection

9 Mar 2024 / John Boucher

Complete

**Conducted on**

9 Mar 2024 1:43 PM PST

---

**Prepared by**

John Boucher

---

## Leachate Seep Inspection

Leachate seep/pooling Inspection

Leachate seep/pooling Inspection 1

Has a leachate seep/pooling been located?

No



Photo 1

**Description of area in photo where there is no leachate seepage or pooling.**

West side upper bench road

# 4050 - Chiquita Leachate Seep/Pooling Inspection

10 Mar 2024 / Tom Roe

Complete

**Conducted on**

10 Mar 2024 8:57 AM PDT

---

**Prepared by**

Tom Roe

---

## Leachate Seep Inspection

Leachate seep/pooling Inspection

Leachate seep/pooling Inspection 1

Has a leachate seep/pooling been located?

Yes

Which grid is the leachate seep/pooling located?

176

Indicate on the map the location



Time seep/pooling was discovered

10 Mar 2024 9:15 AM PDT

Estimated duration of presence of leachate at such location

1 day

Estimated quantity of leachate

1-5 gallons

Extent of area impacted (approximate sq ft impacted or length of channel)

25 sq ft

Odor type

Leachate

Odor intensity

4 - Strong Odor

Surrounding soil saturation level

Standing free liquid

Image of seep/pooling

Leachate was coming from a leaking hose.





Photo 1



Photo 2

**Did the seep/pooling travel into the stormwater channel?**

No

**Actions taken to contain seep/pooling?**

Leaking hose was repaired, vac truck vacuumed the standing leachate from the ground and fresh dirt was added to the area.



Photo 3

# 4050 - Chiquita Leachate Seep/Pooling Inspection

10 Mar 2024 / Tom Roe

Complete

**Conducted on**

10 Mar 2024 1:42 PM PDT

---

**Prepared by**

Tom Roe

---

## Leachate Seep Inspection

Leachate seep/pooling Inspection

Leachate seep/pooling Inspection 1

Has a leachate seep/pooling been located?

No



Photo 1

**Description of area in photo where there is no leachate seepage or pooling.**

Image of west side perimeter road where seep/pooling was previously found.



**CHIQUITA CANYON**  
*A Waste Connections Company*

March 19, 2024

***Via E-Mail***

Baitong Chen, Air Quality Engineer, [bchen@aqmd.gov](mailto:bchen@aqmd.gov)

Nathaniel Dickel, Senior Air Quality Engineer, [ndickel@aqmd.gov](mailto:ndickel@aqmd.gov)

Christina Ojeda, Air Quality Inspector, [cojeda@aqmd.gov](mailto:cojeda@aqmd.gov)

South Coast Air Quality Management District  
21865 East Copley Drive  
Diamond Bar, California 91765-4182

**Re: Chiquita Canyon, LLC's Weekly Leachate Inspection Report for Stipulated Order for Abatement (Case No. 6177-4), Condition 27(c)**

All:

Pursuant to Condition 27(c) of the Stipulated Order for Abatement with the South Coast Air Quality Management District in Case No. 6177-4, Chiquita Canyon, LLC (Chiquita) encloses a compilation of the twice daily leachate seep inspection logs for the dates of March 11, 2024 through March 17, 2024. During this time, there was no ongoing leachate seepage or pooling at the Chiquita Canyon Landfill that occurred at a location more than once within the calendar week. There is no additional information to provide under Condition 27(c).

Regards,

*Amanda Froman*

Amanda Froman  
Compliance Manager  
Chiquita Canyon, LLC

Attachment: Leachate Inspection Logs from March 11 – March 17, 2024



# 4050 - Chiquita Leachate Seep/Pooling Inspection

11 Mar 2024 / Tom Roe

Complete

**Conducted on**

11 Mar 2024 8:13 AM PDT

---

**Prepared by**

Tom Roe

---

## Leachate Seep Inspection

Leachate seep/pooling Inspection

Leachate seep/pooling Inspection 1

Has a leachate seep/pooling been located?

No

PATRA-435548-10N-118-649709



Photo 1

**Description of area in photo where there is no leachate seepage or pooling.**

Chiquita observed less than one gallon of condensate (not leachate) leaking from the well. All repairs and cleanup were completed the same day.

# 4050 - Chiquita Leachate Seep/Pooling Inspection

11 Mar 2024 / Tom Roe

Complete

**Conducted on**

11 Mar 2024 1:04 PM PDT

---

**Prepared by**

Tom Roe

---

## Leachate Seep Inspection

Leachate seep/pooling Inspection

Leachate seep/pooling Inspection 1

Has a leachate seep/pooling been located?

No



Photo 1

**Description of area in photo where there is no leachate seepage or pooling.**

The well that had a leak earlier has been repaired. Foam that was coming out this morning was condensation and not leachate.



# 4050 - Chiquita Leachate Seep/Pooling Inspection

12 Mar 2024 / Tom Roe

Complete

**Conducted on**

12 Mar 2024 8:32 AM PDT

---

**Prepared by**

Tom Roe

---

## Leachate Seep Inspection

Leachate seep/pooling Inspection

Leachate seep/pooling Inspection 1

Has a leachate seep/pooling been located?

No



Photo 1



Photo 2

**Description of area in photo where there is no leachate seepage or pooling.**

North side previous seep location.

# 4050 - Chiquita Leachate Seep/Pooling Inspection

12 Mar 2024 / Tom Roe

Complete

**Conducted on**

12 Mar 2024 1:05 PM PDT

---

**Prepared by**

Tom Roe

---

## Leachate Seep Inspection

Leachate seep/pooling Inspection

Leachate seep/pooling Inspection 1

Has a leachate seep/pooling been located?

No



Photo 1



Photo 2

**Description of area in photo where there is no leachate seepage or pooling.**

West side perimeter road.



# 4050 - Chiquita Leachate Seep/Pooling Inspection

13 Mar 2024 / Tom Roe

Complete

**Conducted on**

13 Mar 2024 7:37 AM PDT

---

**Prepared by**

Tom Roe

---

## Leachate Seep Inspection

Leachate seep/pooling Inspection

Leachate seep/pooling Inspection 1

Has a leachate seep/pooling been located?

No



Photo 1

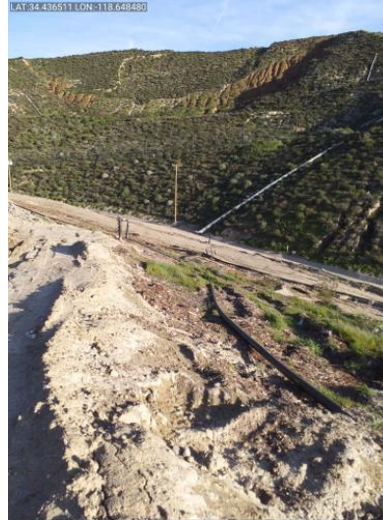


Photo 2

**Description of area in photo where there is no leachate seepage or pooling.**

View of north perimeter road from above.

# 4050 - Chiquita Leachate Seep/Pooling Inspection

13 Mar 2024 / Tom Roe

Complete

**Conducted on**

13 Mar 2024 1:07 PM PDT

---

**Prepared by**

Tom Roe

---

## Leachate Seep Inspection

Leachate seep/pooling Inspection

Leachate seep/pooling Inspection 1

Has a leachate seep/pooling been located?

No



Photo 1

**Description of area in photo where there is no leachate seepage or pooling.**

Westside perimeter road.



# 4050 - Chiquita Leachate Seep/Pooling Inspection

14 Mar 2024 / John Boucher

Complete

**Conducted on**

14 Mar 2024 8:35 AM PDT

---

**Prepared by**

John Boucher

---

## Leachate Seep Inspection

Leachate seep/pooling Inspection

Leachate seep/pooling Inspection 1

Has a leachate seep/pooling been located?

No



Photo 1

Description of area in photo where there is no leachate seepage or pooling.

North Side perimeter

# 4050 - Chiquita Leachate Seep/Pooling Inspection

14 Mar 2024 / John Boucher

Complete

**Conducted on**

14 Mar 2024 1:37 PM PDT

---

**Prepared by**

John Boucher

---

## Leachate Seep Inspection

Leachate seep/pooling Inspection

Leachate seep/pooling Inspection 1

Has a leachate seep/pooling been located?

No



Photo 1

**Description of area in photo where there is no leachate seepage or pooling.**

West side perimeter road



# 4050 - Chiquita Leachate Seep/Pooling Inspection

15 Mar 2024 / John Boucher

Complete

**Conducted on**

15 Mar 2024 8:15 AM PDT

---

**Prepared by**

John Boucher

---

## Leachate Seep Inspection

Leachate seep/pooling Inspection

Leachate seep/pooling Inspection 1

Has a leachate seep/pooling been located?

No



Photo 1



Photo 2

**Description of area in photo where there is no leachate seepage or pooling.**

North side previous seep location.

# 4050 - Chiquita Leachate Seep/Pooling Inspection

15 Mar 2024 / John Boucher

Complete

**Conducted on**

15 Mar 2024 1:38 PM PDT

---

**Prepared by**

John Boucher

---

## Leachate Seep Inspection

Leachate seep/pooling Inspection

Leachate seep/pooling Inspection 1

Has a leachate seep/pooling been located?

Yes

Which grid is the leachate seep/pooling located?

174

Indicate on the map the location



Time seep/pooling was discovered

15 Mar 2024 1:39 PM PDT

Estimated duration of presence of leachate at such location

3 hours

Estimated quantity of leachate

10-20 gallons

Extent of area impacted (approximate sq ft impacted or length of channel)

300 Sq ft

Odor type

Leachate

Odor intensity

3 - Moderate Odor

Surrounding soil saturation level

Standing free liquid

Image of seep/pooling





Photo 1



Photo 2

**Did the seep/pooling travel into the stormwater channel?**

No

**Actions taken to contain seep/pooling?**

Standing leachate was vacuumed and area around seep dug out, new dirt added and compacted.



Photo 3



Photo 4



Photo 5



# 4050 - Chiquita Leachate Seep/Pooling Inspection

16 Mar 2024 / John Boucher

Complete

**Conducted on**

16 Mar 2024 8:15 AM PDT

---

**Prepared by**

John Boucher

---

## Leachate Seep Inspection

Leachate seep/pooling Inspection

Leachate seep/pooling Inspection 1

Has a leachate seep/pooling been located?

No



Photo 1



Photo 2

**Description of area in photo where there is no leachate seepage or pooling.**

Previous seep location on north side perimeter



# 4050 - Chiquita Leachate Seep/Pooling Inspection

16 Mar 2024 / John Boucher

Complete

**Conducted on**

16 Mar 2024 1:43 PM PDT

---

**Prepared by**

John Boucher

---

## Leachate Seep Inspection

Leachate seep/pooling Inspection

Leachate seep/pooling Inspection 1

Has a leachate seep/pooling been located?

No



Photo 1



Photo 2

**Description of area in photo where there is no leachate seepage or pooling.**

North side perimeter road

# 4050 - Chiquita Leachate Seep/Pooling Inspection

17 Mar 2024 / Tom Roe

Complete

**Conducted on**

17 Mar 2024 8:29 AM PDT

---

**Prepared by**

Tom Roe

---

## Leachate Seep Inspection

Leachate seep/pooling Inspection

Leachate seep/pooling Inspection 1

Has a leachate seep/pooling been located?

Yes

Which grid is the leachate seep/pooling located?

201

Indicate on the map the location



Time seep/pooling was discovered

17 Mar 2024 8:31 AM PDT

Estimated duration of presence of leachate at such location

8 hours

Estimated quantity of leachate

1-5 gallons

Extent of area impacted (approximate sq ft impacted or length of channel)

5 Sq ft

Odor type

Leachate

Odor intensity

3 - Moderate Odor

Surrounding soil saturation level

Standing free liquid

Image of seep/pooling





Photo 1



Photo 2

**Did the seep/pooling travel into the stormwater channel?**

No

**Actions taken to contain seep/pooling?**

Leachate was coming from a small hole in pipe. Built a small dam to contain leachate and crew vacuumed out the leachate and repairs were made to the pipe.



Photo 3

# 4050 - Chiquita Leachate Seep/Pooling Inspection

17 Mar 2024 / Tom Roe

Complete

**Conducted on**

17 Mar 2024 1:38 PM PDT

---

**Prepared by**

Tom Roe

---

## Leachate Seep Inspection

Leachate seep/pooling Inspection

Leachate seep/pooling Inspection 1

Has a leachate seep/pooling been located?

Yes

Which grid is the leachate seep/pooling located?

150

Indicate on the map the location



Time seep/pooling was discovered

17 Mar 2024 1:39 PM PDT

Estimated duration of presence of leachate at such location

4 hours

Estimated quantity of leachate

<1 gallons

Extent of area impacted (approximate sq ft impacted or length of channel)

2 Sq ft

Odor type

Leachate

Odor intensity

1 - Very Light Odor Detected

Surrounding soil saturation level

Standing free liquid

Image of seep/pooling



Photo 1



Photo 2

**Did the seep/pooling travel into the stormwater channel?**

No

**Actions taken to contain seep/pooling?**

Seep was small and not very active. Fresh dirt was added to soiled area.



Photo 3





**CHIQUITA CANYON**  
*A Waste Connections Company*

March 26, 2024

***Via E-Mail***

Baitong Chen, Air Quality Engineer, [bchen@aqmd.gov](mailto:bchen@aqmd.gov)

Nathaniel Dickel, Senior Air Quality Engineer, [ndickel@aqmd.gov](mailto:ndickel@aqmd.gov)

Christina Ojeda, Air Quality Inspector, [cojeda@aqmd.gov](mailto:cojeda@aqmd.gov)

South Coast Air Quality Management District  
21865 East Copley Drive  
Diamond Bar, California 91765-4182

**Re: Chiquita Canyon, LLC's Weekly Leachate Inspection Report for Stipulated Order for Abatement (Case No. 6177-4), Condition 27(c)**

All:

Pursuant to Condition 27(c) of the Stipulated Order for Abatement with the South Coast Air Quality Management District in Case No. 6177-4, Chiquita Canyon, LLC (Chiquita) encloses a compilation of the twice daily leachate seep inspection logs for the dates of March 18, 2024 through March 24, 2024. During this time, there was no ongoing leachate seepage or pooling at the Chiquita Canyon Landfill that occurred at a location more than once within the calendar week. Please note that on the afternoon of March 20, landfill personnel were directed to cease normal activities on the western slope because of potential slope stability and related safety concerns. A slope stability analysis is currently underway. Moving forward, we will be conducting seep inspections via drone until analysis confirms that personnel can return to normal activities on the western slope. There is no additional information to provide under Condition 27(c).

Regards,

*Amanda Froman*

Amanda Froman  
Compliance Manager  
Chiquita Canyon, LLC

Attachment: Leachate Inspection Logs from March 18 – March 24, 2024

# 4050 - Chiquita Leachate Seep/Pooling Inspection

18 Mar 2024 / Tom Roe

Complete

**Conducted on**

18 Mar 2024 7:59 AM PDT

---

**Prepared by**

Tom Roe

---

## Leachate Seep Inspection

Leachate seep/pooling Inspection

Leachate seep/pooling Inspection 1

Has a leachate seep/pooling been located?

Yes

Which grid is the leachate seep/pooling located?

201

Indicate on the map the location



Time seep/pooling was discovered

18 Mar 2024 8:00 AM PDT

Estimated duration of presence of leachate at such location

8 hours

Estimated quantity of leachate

1-5 gallons

Extent of area impacted (approximate sq ft impacted or length of channel)

10 Sq ft

Odor type

Leachate

Odor intensity

3 - Moderate Odor

Surrounding soil saturation level

Standing free liquid

Image of seep/pooling



Photo 1



Photo 2

**Did the seep/pooling travel into the stormwater channel?**

No

**Actions taken to contain seep/pooling?**

Pipe was repaired, and fresh dirt/soil was added to the area to address the seep.



Photo 3



# 4050 - Chiquita Leachate Seep/Pooling Inspection

18 Mar 2024 / Tom Roe

Complete

**Conducted on**

18 Mar 2024 1:41 PM PDT

---

**Prepared by**

Tom Roe

---

## Leachate Seep Inspection

Leachate seep/pooling Inspection

Leachate seep/pooling Inspection 1

Has a leachate seep/pooling been located?

No



Photo 1

**Description of area in photo where there is no leachate seepage or pooling.**

Leak in pipe has been repaired.

# 4050 - Chiquita Leachate Seep/Pooling Inspection

19 Mar 2024 / Tom Roe

Complete

**Conducted on**

19 Mar 2024 7:35 AM PDT

---

**Prepared by**

Tom Roe

---

## Leachate Seep Inspection

Leachate seep/pooling Inspection

Leachate seep/pooling Inspection 1

Has a leachate seep/pooling been located?

Yes

Which grid is the leachate seep/pooling located?

150

Indicate on the map the location



Time seep/pooling was discovered

19 Mar 2024 7:35 AM PDT

Estimated duration of presence of leachate at such location

8 hours

Estimated quantity of leachate

1-5 gallons

Extent of area impacted (approximate sq ft impacted or length of channel)

10 Sq ft.

Odor type

Leachate

Odor intensity

3 - Moderate Odor

Surrounding soil saturation level

Standing free liquid

Image of seep/pooling





Photo 1



Photo 2

**Did the seep/pooling travel into the stormwater channel?**

No

**Actions taken to contain seep/pooling?**

Berm was created to contain the seep, vacuum truck vacuumed out the remaining liquid.

Due to system glitch the after photo did not populate.

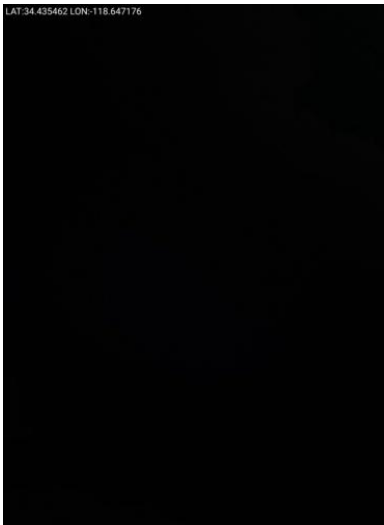


Photo 3

# 4050 - Chiquita Leachate Seep/Pooling Inspection

19 Mar 2024 / Tom Roe

Complete

**Conducted on**

19 Mar 2024 2:19 PM PDT

---

**Prepared by**

Tom Roe

---

## Leachate Seep Inspection

Leachate seep/pooling Inspection

Leachate seep/pooling Inspection 1

Has a leachate seep/pooling been located?

Yes

Which grid is the leachate seep/pooling located?

150

Indicate on the map the location



Time seep/pooling was discovered

19 Mar 2024 2:59 PM PDT

Estimated duration of presence of leachate at such location

5 hours

Estimated quantity of leachate

1-5 gallons

Extent of area impacted (approximate sq ft impacted or length of channel)

10 Sq ft

Odor type

Leachate

Odor intensity

3 - Moderate Odor

Surrounding soil saturation level

Standing free liquid

Image of seep/pooling



Photo 1



Photo 2



Photo 3



Photo 4



Photo 5

**Did the seep/pooling travel into the stormwater channel?**

No

**Actions taken to contain seep/pooling?**

Dirt was brought in to cover and contain the seep.





Photo 6



Photo 7

# 4050 - Chiquita Leachate Seep/Pooling Inspection

20 Mar 2024 / Tom Roe

Complete

**Conducted on**

20 Mar 2024 8:08 AM PDT

---

**Prepared by**

Tom Roe

---

## Leachate Seep Inspection

Leachate seep/pooling Inspection

Leachate seep/pooling Inspection 1

Has a leachate seep/pooling been located?

No



Photo 1



Photo 2



Photo 3

**Description of area in photo where there is no leachate seepage or pooling.**

North corner of perimeter road where seep was located yesterday. Dark color is the fresh dirt added to the area.

# 4050 - Chiquita Leachate Seep/Pooling Inspection

20 Mar 2024 / Tom Roe

Complete

**Conducted on**

20 Mar 2024 3:07 PM PDT

---

**Prepared by**

Tom Roe

---



## Leachate Seep Inspection

Leachate seep/pooling Inspection

Leachate seep/pooling Inspection 1

Has a leachate seep/pooling been located?

No



Photo 1

**Description of area in photo where there is no leachate seepage or pooling.**

Image from the top of the west side. Normal inspection of western slope not feasible because of safety concerns.

# 4050 - Chiquita Leachate Seep/Pooling Inspection

21 Mar 2024 / Donald Senegal, Miguel Zazueta

Complete

**Conducted on**

21 Mar 2024 9:00 AM PDT

---

**Prepared by**

Donald Senegal, Miguel Zazueta

---

## Leachate Seep Inspection

Leachate seep/pooling Inspection

Leachate seep/pooling Inspection 1

Has a leachate seep/pooling been located?

No



Photo 1

**Description of area in photo where there is no leachate seepage or pooling.**

Image from the north side from top deck. Normal inspection of western slope not feasible because of safety concerns.

# 4050 - Chiquita Leachate Seep/Pooling Inspection

21 Mar 2024 / Donald Senegal

Complete

**Conducted on**

21 Mar 2024 2:54 PM PDT

---

**Prepared by**

Donald Senegal

---



## Leachate Seep Inspection

Leachate seep/pooling Inspection

Leachate seep/pooling Inspection 1

Has a leachate seep/pooling been located?

No



Photo 1

**Description of area in photo where there is no leachate seepage or pooling.**

Image of the north side, no seeps found. Normal inspection of western slope not feasible because of safety concerns.

# 4050 - Chiquita Leachate Seep/Pooling Inspection

22 Mar 2024 / John Boucher

Complete

**Conducted on**

22 Mar 2024 8:07 AM PDT

---

**Prepared by**

John Boucher

---

## Leachate Seep Inspection

Leachate seep/pooling Inspection

Leachate seep/pooling Inspection 1

Has a leachate seep/pooling been located?

No



Photo 1

**Description of area in photo where there is no leachate seepage or pooling.**

Image from north side perimeter road. Normal inspection of western slope not feasible because of safety concerns.

# 4050 - Chiquita Leachate Seep/Pooling Inspection

22 Mar 2024 / John Boucher

Complete

**Conducted on**

22 Mar 2024 1:19 PM PDT

---

**Prepared by**

John Boucher

---



## Leachate Seep Inspection

Leachate seep/pooling Inspection

Leachate seep/pooling Inspection 1

Has a leachate seep/pooling been located?

No



Photo 1

**Description of area in photo where there is no leachate seepage or pooling.**

Image of the north side perimeter road. Normal inspection of western slope not feasible because of safety concerns.

# 4050 - Chiquita Leachate Seep/Pooling Inspection

23 Mar 2024 / John Boucher

Complete

**Conducted on**

23 Mar 2024 8:04 AM PDT

---

**Prepared by**

John Boucher

---

## Leachate Seep Inspection

Leachate seep/pooling Inspection

Leachate seep/pooling Inspection 1

Has a leachate seep/pooling been located?

No

PAT:34.435693 | LON:-118.650927



Photo 1

**Description of area in photo where there is no leachate seepage or pooling.**

Image of the north side perimeter road. Normal inspection of western slope not feasible because of safety concerns.

# 4050 - Chiquita Leachate Seep/Pooling Inspection

23 Mar 2024 / John Boucher

Complete

**Conducted on**

23 Mar 2024 1:25 PM PDT

---

**Prepared by**

John Boucher

---



## Leachate Seep Inspection

Leachate seep/pooling Inspection

Leachate seep/pooling Inspection 1

Has a leachate seep/pooling been located?

No



Photo 1

**Description of area in photo where there is no leachate seepage or pooling.**

Image of the north side perimeter road. Normal inspection of western slope not feasible because of safety concerns.

# 4050 - Chiquita Leachate Seep/Pooling Inspection

24 Mar 2024 / Tom Roe

Complete

**Conducted on**

24 Mar 2024 7:58 AM PDT

---

**Prepared by**

Tom Roe

---

## Leachate Seep Inspection

Leachate seep/pooling Inspection

Leachate seep/pooling Inspection 1

Has a leachate seep/pooling been located?

No



Photo 1

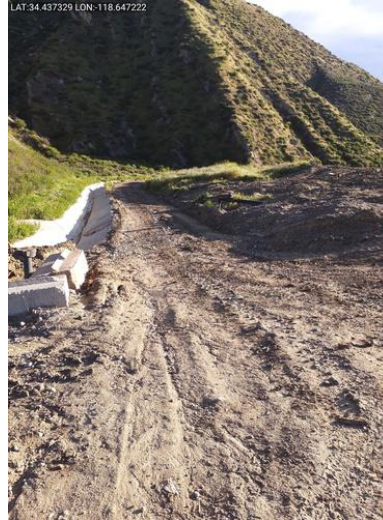


Photo 2

**Description of area in photo where there is no leachate seepage or pooling.**

Image of the north side perimeter road. Normal inspection of western slope not feasible because of safety concerns.

# 4050 - Chiquita Leachate Seep/Pooling Inspection

24 Mar 2024 / Tom Roe

Complete

**Conducted on**

24 Mar 2024 1:29 PM PDT

---

**Prepared by**

Tom Roe

---



## Leachate Seep Inspection

Leachate seep/pooling Inspection

Leachate seep/pooling Inspection 1

Has a leachate seep/pooling been located?

No



Photo 1



Photo 2



Photo 3

**Description of area in photo where there is no leachate seepage or pooling.**

Images from both ends of west side perimeter road. Normal inspection of western slope not feasible because of safety concerns.



**CHIQUITA CANYON**  
*A Waste Connections Company*

April 2, 2024

***Via E-Mail***

Baitong Chen, Air Quality Engineer, [bchen@aqmd.gov](mailto:bchen@aqmd.gov)  
Nathaniel Dickel, Senior Air Quality Engineer, [ndickel@aqmd.gov](mailto:ndickel@aqmd.gov)  
Christina Ojeda, Air Quality Inspector, [cojeda@aqmd.gov](mailto:cojeda@aqmd.gov)

South Coast Air Quality Management District  
21865 East Copley Drive  
Diamond Bar, California 91765-4182

**Re: Chiquita Canyon, LLC's Weekly Leachate Inspection Report for Stipulated Order for Abatement (Case No. 6177-4), Condition 27(c)**

All:

Pursuant to Condition 27(c) of the Stipulated Order for Abatement with the South Coast Air Quality Management District in Case No. 6177-4, Chiquita Canyon, LLC (Chiquita) encloses a compilation of the twice daily leachate seep inspection logs for the dates of March 25, 2024 through March 31, 2024. During this time, there was no ongoing leachate seepage or pooling at the Chiquita Canyon Landfill that occurred at a location more than once within the calendar week. As a reminder, on the afternoon of March 20, 2024, landfill personnel were directed to cease normal activities on the western slope because of potential slope stability and related safety concerns. A slope stability analysis is currently underway. Chiquita began conducting seep inspections via drone on March 27, 2024, and will continue to do so until analysis confirms that personnel can return to normal activities on the western slope. There is no additional information to provide under Condition 27(c).

Regards,

*Amanda Froman*

Amanda Froman  
Compliance Manager  
Chiquita Canyon, LLC

Attachment: Leachate Inspection Logs from March 25 – March 31, 2024

# 4050 - Chiquita Leachate Seep/Pooling Inspection

25 Mar 2024 / Tom Roe

Complete

**Conducted on**

25 Mar 2024 8:19 AM PDT

---

**Prepared by**

Tom Roe

---

## Leachate Seep Inspection

Leachate seep/pooling Inspection

Leachate seep/pooling Inspection 1

Has a leachate seep/pooling been located?

No



Photo 1



Photo 2

**Description of area in photo where there is no leachate seepage or pooling.**

Northside from the top deck.  
Normal inspection of the western slope not feasible because of safety concerns.



# 4050 - Chiquita Leachate Seep/Pooling Inspection

25 Mar 2024 / Tom Roe

Complete

**Conducted on**

25 Mar 2024 1:24 PM PDT

---

**Prepared by**

Tom Roe

---

## Leachate Seep Inspection

Leachate seep/pooling Inspection

Leachate seep/pooling Inspection 1

Has a leachate seep/pooling been located?

No



Photo 1

**Description of area in photo where there is no leachate seepage or pooling.**

Partial view of the westside perimeter road. Normal inspection of the western slope not feasible because of safety concerns.

# 4050 - Chiquita Leachate Seep/Pooling Inspection

26 Mar 2024 / Tom Roe

Complete

**Conducted on**

26 Mar 2024 7:48 AM PDT

---

**Prepared by**

Tom Roe

---

## Leachate Seep Inspection

Leachate seep/pooling Inspection

Leachate seep/pooling Inspection 1

Has a leachate seep/pooling been located?

Yes

Which grid is the leachate seep/pooling located?

145

Indicate on the map the location



Time seep/pooling was discovered

26 Mar 2024 8:15 AM PDT

Estimated duration of presence of leachate at such location

4 hours

Estimated quantity of leachate

<1 gallons

Extent of area impacted (approximate sq ft impacted or length of channel)

1 Sq ft

Odor type

Leachate

Odor intensity

0 - No Odor Detected

Surrounding soil saturation level

Saturated

Image of seep/pooling





Photo 1



Photo 2

**Did the seep/pooling travel into the stormwater channel?**

No

### **Actions taken to contain seep/pooling?**

Small amount of leachate was leaking from the pipe, it was contained to area around pipe. The crew repaired the pipe and soiled dirt was removed and fresh dirt was added to the area.



Photo 3

# 4050 - Chiquita Leachate Seep/Pooling Inspection

26 Mar 2024 / James cardinel

Complete

**Conducted on**

26 Mar 2024 1:27 PM PDT

---

**Prepared by**

James cardinel

---

## Leachate Seep Inspection

Leachate seep/pooling Inspection

Leachate seep/pooling Inspection 1

Has a leachate seep/pooling been located?

Yes

Which grid is the leachate seep/pooling located?

150

Indicate on the map the location



Time seep/pooling was discovered

26 Mar 2024 1:42 PM PDT

Estimated duration of presence of leachate at such location

3 hours

Estimated quantity of leachate

<1 gallons

Extent of area impacted (approximate sq ft impacted or length of channel)

3 Sq ft

Odor type

Leachate

Odor intensity

1 - Very Light Odor Detected

Surrounding soil saturation level

Standing free liquid

Image of seep/pooling





Photo 1



Photo 2



Photo 3

**Did the seep/pooling travel into the stormwater channel?**

No

**Actions taken to contain seep/pooling?**

Dirt was brought in to cover and contain seep.



Photo 4



Photo 5

**Leachate seep/pooling Inspection 2**

**Has a leachate seep/pooling been located?**

No





Photo 6

---

**Description of area in photo where there is no leachate seepage or pooling.**

Seep previously reported in grid 145. Pipe was dug out and bolts were tightened. Fully repaired.

---

# 4050 - Chiquita Leachate Seep/Pooling Inspection

27 Mar 2024 / Tom Roe

Complete

**Conducted on**

27 Mar 2024 9:08 AM PDT

---

**Prepared by**

Tom Roe

---

## Leachate Seep Inspection

Leachate seep/pooling Inspection

Leachate seep/pooling Inspection 1

Has a leachate seep/pooling been located?

No



Photo 1



Photo 2



Photo 3

**Description of area in photo where there is no leachate seepage or pooling.**

Northside from the top deck.  
Western slope inspected by drone; normal inspection of western slope not feasible because of safety concerns.

# 4050 - Chiquita Leachate Seep/Pooling Inspection

27 Mar 2024 / John Boucher

Complete

**Conducted on**

27 Mar 2024 2:50 PM PDT

---

**Prepared by**

John Boucher

---



## Leachate Seep Inspection

Leachate seep/pooling Inspection

Leachate seep/pooling Inspection 1

Has a leachate seep/pooling been located?

No



Photo 1

**Description of area in photo where there is no leachate seepage or pooling.**

North side perimeter road. Western slope inspected by drone; normal inspection of western slope not feasible because of safety concerns.

# 4050 - Chiquita Leachate Seep/Pooling Inspection

28 Mar 2024 / John Boucher

Complete

**Conducted on**

28 Mar 2024 7:54 AM PDT

---

**Prepared by**

John Boucher

---

## Leachate Seep Inspection

Leachate seep/pooling Inspection

Leachate seep/pooling Inspection 1

Has a leachate seep/pooling been located?

No



Photo 1



Photo 2

**Description of area in photo where there is no leachate seepage or pooling.**

North Side perimeter road. Western slope inspected by drone; normal inspection of western slope not feasible because of safety concerns.

# 4050 - Chiquita Leachate Seep/Pooling Inspection

28 Mar 2024 / John Boucher

Complete

**Conducted on**

28 Mar 2024 2:07 PM PDT

---

**Prepared by**

John Boucher

---



## Leachate Seep Inspection

Leachate seep/pooling Inspection

Leachate seep/pooling Inspection 1

Has a leachate seep/pooling been located?

No



Photo 1



Photo 2

**Description of area in photo where there is no leachate seepage or pooling.**

North Side perimeter road. Western slope inspected by drone; normal inspection of western slope not feasible because of safety concerns.

# 4050 - Chiquita Leachate Seep/Pooling Inspection

29 Mar 2024 / John Boucher

Complete

**Conducted on**

29 Mar 2024 7:36 AM PDT

---

**Prepared by**

John Boucher

---

## Leachate Seep Inspection

Leachate seep/pooling Inspection

Leachate seep/pooling Inspection 1

Has a leachate seep/pooling been located?

Yes

Which grid is the leachate seep/pooling located?

145

Indicate on the map the location



Time seep/pooling was discovered

29 Mar 2024 7:37 AM PDT

Estimated duration of presence of leachate at such location

12 hours

Estimated quantity of leachate

1-5 gallons

Extent of area impacted (approximate sq ft impacted or length of channel)

12sq ft

Odor type

Leachate

Odor intensity

1 - Very Light Odor Detected

Surrounding soil saturation level

Semi-dry

Image of seep/pooling



Photo 1



Photo 2



Photo 3



Photo 4

**Did the seep/pooling travel into the stormwater channel?**

**No**

**Actions taken to contain seep/pooling?**

Crews fixed pipe and fresh dirt was added to the area.



Photo 5



Photo 6





# 4050 - Chiquita Leachate Seep/Pooling Inspection

29 Mar 2024 / John Boucher

Complete

**Conducted on**

29 Mar 2024 2:17 PM PDT

---

**Prepared by**

John Boucher

---

## Leachate Seep Inspection

Leachate seep/pooling Inspection

Leachate seep/pooling Inspection 1

Has a leachate seep/pooling been located?

No



Photo 1



Photo 2

**Description of area in photo where there is no leachate seepage or pooling.**

North Side perimeter road. Western slope inspected by drone; normal inspection of western slope not feasible because of safety concerns.

# 4050 - Chiquita Leachate Seep/Pooling Inspection

30 Mar 2024 / John Boucher

Complete

**Conducted on**

30 Mar 2024 7:40 AM PDT

---

**Prepared by**

John Boucher

---



## Leachate Seep Inspection

Leachate seep/pooling Inspection

Leachate seep/pooling Inspection 1

Has a leachate seep/pooling been located?

No

[LAT:34.436656 LON:-118.651011]



Photo 1

**Description of area in photo where there is no leachate seepage or pooling.**

North Side perimeter road. Western slope inspected by drone; normal inspection of western slope not feasible because of safety concerns.

# 4050 - Chiquita Leachate Seep/Pooling Inspection

30 Mar 2024 / John Boucher

Complete

**Conducted on**

30 Mar 2024 1:43 PM PDT

---

**Prepared by**

John Boucher

---

## Leachate Seep Inspection

Leachate seep/pooling Inspection

Leachate seep/pooling Inspection 1

Has a leachate seep/pooling been located?

No



Photo 1



Photo 2



Photo 3



Photo 4

**Description of area in photo where there is no leachate seepage or pooling.**

North Side perimeter road. Western slope inspected by drone; normal inspection of western slope not feasible because of safety concerns.

# 4050 - Chiquita Leachate Seep/Pooling Inspection

31 Mar 2024 / Donald Senegal

Complete

**Conducted on**

31 Mar 2024 8:09 AM PDT

---

**Prepared by**

Donald Senegal

---



## Leachate Seep Inspection

Leachate seep/pooling Inspection

Leachate seep/pooling Inspection 1

Has a leachate seep/pooling been located?

Yes

Which grid is the leachate seep/pooling located?

150

Indicate on the map the location



Time seep/pooling was discovered

31 Mar 2024 8:30 AM PDT

Estimated duration of presence of leachate at such location

2 hours

Estimated quantity of leachate

<1 gallons

Extent of area impacted (approximate sq ft impacted or length of channel)

5 Sq ft

Odor type

Leachate

Odor intensity

1 - Very Light Odor Detected

Surrounding soil saturation level

Standing free liquid

Image of seep/pooling



Photo 1



Photo 2



Photo 3

**Did the seep/pooling travel into the stormwater channel?**

No

**Actions taken to contain seep/pooling?**

Seep was cleaned from area and fresh dirt added.

# 4050 - Chiquita Leachate Seep/Pooling Inspection

31 Mar 2024 / Donald Senegal Gil Montes de Oca

**Complete**

**Conducted on**

31 Mar 2024 2:45 PM PDT

---

**Prepared by**

Donald Senegal Gil Montes de Oca

---

## Leachate Seep Inspection

Leachate seep/pooling Inspection

Leachate seep/pooling Inspection 1

**Has a leachate seep/pooling been located?**

No

**Description of area in photo where there is no leachate seepage or pooling.**

Challenges with tablet at location, no seeps were found. Western slope inspected by drone; normal inspection of western slope not feasible because of safety concerns.



Attachment N  
Leachate Gallon Data

**Leachate Gallons for the Month of March 2024**

**Off-site Disposal**

Week	Date	Facility	Address	Estimated Gallons
1	3/1/24-3/3/24	Avalon	14700 S. Avalon Blvd. Gardena, CA 90248	81,575
1	3/1/24-3/3/24	Clean Harbors Utah	Clean Harbors, Argonite 11600 North Aptus Road Grantsville, UT 84029	16,428
1	3/1/24-3/3/24	Clean Harbors Nebraska	Clean Harbors, Kimball 2247 South Highway 71 Kimball, NE 69145	18,025
2	3/4/24-3/10/24	Avalon	14700 S. Avalon Blvd. Gardena, CA 90248	565,181
2	3/4/24-3/10/24	Clean Harbors Texas	Clean Harbors, Deer Park 2027 Independence Parkway South La Porte, TX 77571	4,767
3	3/11/24-3/17/24	Avalon	14700 S. Avalon Blvd. Gardena, CA 90248	626,591
3	3/11/24-3/17/24	Clean Harbors Utah	Clean Harbors, Argonite 11600 North Aptus Road Grantsville, UT 84029	16,428
3	3/11/24-3/17/24	Clean Harbors Nebraska	Clean Harbors, Kimball 2247 South Highway 71 Kimball, NE 69145	18,025
3	3/11/24-3/17/24	Patriot	314 Freedom Ave. Orange CA 94865	45,404
4	3/18/24-3/24/24	Avalon	14700 S. Avalon Blvd. Gardena, CA 90248	619,397
4	3/18/24-3/24/24	Patriot	314 Freedom Ave. Orange CA 94865	123,129
5	3/25-24-3/31/24	Avalon	14700 S. Avalon Blvd. Gardena, CA 90248	616,596
5	3/25-24-3/31/24	Clean Harbors Utah	Clean Harbors, Argonite 11600 North Aptus Road Grantsville, UT 84029	4,985
5	3/25-24-3/31/24	Clean Harbors Nebraska	Clean Harbors, Kimball 2247 South Highway 71 Kimball, NE 69145	35,736
5	3/25-24-3/31/24	Patriot	314 Freedom Ave. Orange CA 94865	178,273

**On-site Generation and Treatment**

Week	Date	Estimated Gallons Generated	Estimated Gallons Treated On-Site
1	3/1/24-3/3/24	405,000	306,000
2	3/4/24-3/10/24	837,000	816,000
3	3/11/24-3/17/24	684,000	680,000
4	3/18/24-3/24/24	662,500	952,000
5	3/25-24-3/31/24	1,007,174	1,292,000

Attachment O

Air Monitoring Data

# AQM 65 Field Data Sheet

Date: 2024-03-26

SCS Employee: Stipe Markotic

Monitoring Location #: MS-07

Internal Temp: 29.3

**PUT THE INSTRUMENT IN TO "SERVICE MODE" BEFORE PERFORMING ANY SERVICE**

Service Activity	Initial LPM	Final LPM
Gas inlet flow check	0.146	0.140
PM inlet flow check (Recommended: 1.0 LPM ± 0.05 LPM for Particle Profiler)	NA	0.999

Initial LPM is taken before opening the door of the AQM 65.

Service Activity	Yes/No	Comments
Gas inlet filter change	Yes	Was clean but swapped
PM inlet filter change	Yes	Clean but swapped
Gas inlet leak test	No	
Clean TMS cassette/fins	No	
Particle Profiler leak check	Yes	Passed
Particle Profiler zero calibration flow check	No	
Particle Profiler inlet cleaning	No	
Bump Test	No	

Notes:

Particle Profiler swap in: b20334 out 19290



# AQM 65 Field Data Sheet

Date: 2024-03-26

SCS Employee: Stipe Markotic

Monitoring Location #: MS-03

Internal Temp: 29.8

**PUT THE INSTRUMENT IN TO "SERVICE MODE" BEFORE PERFORMING ANY SERVICE**

Service Activity	Initial LPM	Final LPM
Gas inlet flow check	0.146	0.140
PM inlet flow check (Recommended: 1.0 LPM ± 0.05 LPM for Particle Profiler)	0.860	

Initial LPM is taken before opening the door of the AQM 65.

Service Activity	Yes/No	Comments
Gas inlet filter change	No	
PM inlet filter change	No	
Gas inlet leak test	No	
Clean TMS cassette/fins	No	
Particle Profiler leak check	Yes	Failed. Proceed with a profiler swap
Particle Profiler zero calibration flow check	No	
Particle Profiler inlet cleaning	No	
Bump Test	No	

Notes:

# AQM 65 Field Data Sheet

Date: 2024-03-26

SCS Employee: 5206

Monitoring Location #: MS-08

Internal Temp: 29.8

**PUT THE INSTRUMENT IN TO "SERVICE MODE" BEFORE PERFORMING ANY SERVICE**

Service Activity	Initial LPM	Final LPM
Gas inlet flow check	.150	0.140
PM inlet flow check (Recommended: 1.0 LPM ± 0.05 LPM for Particle Profiler)	.860	0.999

Initial LPM is taken before opening the door of the AQM 65.

Service Activity	Yes/No	Comments
Gas inlet filter change	Yes	
PM inlet filter change	Yes	
Gas inlet leak test	No	
Clean TMS cassette/fins	No	
Particle Profiler leak check	Yes	
Particle Profiler zero calibration flow check	Yes	0.05 current with std dev 4.32
Particle Profiler inlet cleaning	Yes	
Bump Test	No	

Notes:

# AQM 65 Field Data Sheet

Date: 2024-03-26

SCS Employee: Stipe Markotic

Monitoring Location #: MS-01

Internal Temp: NA

**PUT THE INSTRUMENT IN TO "SERVICE MODE" BEFORE PERFORMING ANY SERVICE**

Service Activity	Initial LPM	Final LPM
Gas inlet flow check	0.140	0.140
PM inlet flow check (Recommended: 1.0 LPM ± 0.05 LPM for Particle Profiler)	NA	1.010

Initial LPM is taken before opening the door of the AQM 65.

Service Activity	Yes/No	Comments
Gas inlet filter change	Yes	Clean filter but replaced
PM inlet filter change	Yes	Filter clean but replaced
Gas inlet leak test	No	
Clean TMS cassette/fins	No	
Particle Profiler leak check	Yes	Passed
Particle Profiler zero calibration flow check	No	
Particle Profiler inlet cleaning	No	
Bump Test	No	

Notes:

Particle profiler swap b17538 in and y23222 out

# AQM 65 Field Data Sheet

Date: 2024-03-08

SCS Employee: Stipe Markotic

Monitoring Location #: MS-06

Internal Temp: NA

**PUT THE INSTRUMENT IN TO "SERVICE MODE" BEFORE PERFORMING ANY SERVICE**

Service Activity	Initial LPM	Final LPM
Gas inlet flow check	0.142	0.140
PM inlet flow check (Recommended: 1.0 LPM ± 0.05 LPM for Particle Profiler)		

Initial LPM is taken before opening the door of the AQM 65.

Service Activity	Yes/No	Comments
Gas inlet filter change	No	Filter Looks Clean
PM inlet filter change	No	Filter Looks Clean
Gas inlet leak test	No	
Clean TMS cassette/fins	No	
Particle Profiler leak check	No	
Particle Profiler zero calibration flow check	Yes	
Particle Profiler inlet cleaning	No	
Bump Test	No	

Notes:

Arrived on-site to switch ePC in unit. Unit had a faulty ePC that was not functioning. No data available during that time.