July 18th, 2025

Ms. Lisa Webber SCL TAC Co-Chair City of Los Angeles Department of City Planning 200 N. Spring Street Los Angeles, CA 90012

Mr. Alex Garcia SCL TAC Co-Chair Los Angeles County Department of Regional Planning 320 W. Temple St, 13th Floor Los Angeles, CA 90012

Subject: Report to the Joint Sunshine Canyon Landfill Technical Advisory Committee

SCL TAC Meeting Date - July 23rd, 2025

Dear Ms. Webber and Mr. Garcia:

This report provides an update of items requested to be included in the report to the Joint Sunshine Canyon Landfill (SCL) Technical Advisory Committee (TAC) for the meeting to be held on July 23rd, 2025. Sunshine Canyon Landfill Team provided a draft copy of the report to the City of Los Angeles Department of City Planning on July 18th, 2025, for review. This report covers approximately January through June 2025.

1.0 Cell Development

1.1 Cell CC-5

The most recently constructed cell was CC-5A Part 1, cell construction of Phase 1 (the floor) was completed in December 2024. The construction of Phase 2 (slope) was completed in January 2025 and is pending final certification. The cell has 7 acres of over liner and approximately 4 acres of floor liner. Approval for disposal operations in Cell CC-5 was received from the LARWQCB on December 16, 2024 (Attachment A).

1.2 Future Cells

Cell CC-3B Part 2 will begin construction in approximately April 2025 and is estimated to be completed in October 2025.

2.0 Fill Sequence, Soil Usage, Stockpile/Borrow Areas and Disposal on County Top Deck

2.1 Fill Sequence

Disposal operations were conducted in CC-4 Part 4A, 4B, 4C, and CC3B and CC3A from January of 2025 (the date of the last TAC Report) to the end of June 2025. Disposal operations in CC-4 Part 4B/C began at the end of July 2022, after the cell was certified by LARWQCB. Disposal in CC-5A began in December of 2024, after the cell was certified by LARWQCB.

2.2 Soil Usage

Based on soil usage logs, approximately 15% of airspace volume consumed between January 1st, 20245, and June 30th, 2025, was used as daily cover.

2.3 Stockpile/Borrow Areas

Placement and subsequent removal of stockpile material is an operational activity that occurs over the life of the landfill. There are two primary stockpile areas on site that have been designated for such purposes, which primarily includes imported soil and is used for either daily cover, intermediate cover, or construction materials. These stockpile areas are shown on the figure included in Attachment B.

2.4 Wildfire Debris Disposal

On January 7th, 2025, the City of Los Angeles declared a State of Emergency in response to the Palisades and Eaton fires. Pursuant to California State Regulations Title 14, Section 17210 et seq., SCL requested an Emergency Waiver of Standards to facilitate the receipt of disaster related debris. The waiver was approved by the SCL Local Enforcement Agency which permitted SCL to increase the daily acceptable tonnage from 12,100 tons per day to 15,000 tons per day. This increase was set to last from January 7th through May 24th, 2025. A subsequent approval letter was issued which allowed the increase in tonnage to extend until September 24, 2025.

SCL began accepting disaster related debris the week of February 24th. To date, SCL has taken approximately 300,000 tons. Fire debris removal projects are expected to conclude in Mid-August 2025. A copy of the Emergency Waiver of Standards and both letters of approval are included in Attachment O.

3.0 Landfill Gas Collection and Control System

Improvements to the site's landfill gas collection and control system (GCCS) are conducted on an annual basis. Improvements to the GCCS in 2025 included the installation of vertical and horizontal gas collection wells and the continuation of improvements as a component of our robust monitoring, maintenance, and operations program. Summaries of these activities have been provided in prior TAC reports.

The following is a summary of the GCCS activities that have been completed in 2024 year-to-date:

- Installation and activation of 52 new and replacement vertical collection points
- Installation and activation of approximately 2,820 LF of cell floor collectors in the working face
- Installation of 204 dewatering pumps in new and existing vertical gas extraction wells

A robust operations and maintenance program continues to ensure all components of the GCCS are working effectively and efficiently. Air and force main line maintenance program has been implemented. Gauges installed on wells with pumps and throughout the system that allow for the team to monitor the force main back pressure. This information is plotted and reviewed on a weekly basis to identify the location of blockages or restrictions in the force main piping. Once identified the blockages can then be remediated. A blockage prevention program includes electronic de-scalers, dosing of de-scaling chemical strategically into specific force main lines, and/or jetting of the force main lines as needed to prevent the accumulation of scaling.

Site personnel continue to conduct gas well monitoring and tuning of the wellfield on a semi-monthly basis, or more on an as-needed basis.

3.1 Surface Emissions Monitoring

Surface Emissions Monitoring includes two types of monitoring. Instantaneous Surface Monitoring (ISM) and Integrated Surface Sampling (ISS). Instantaneous exceedances occur when a single location, such as surface erosion and gas wells, has a reading of or greater than 500 parts per million (ppm) Total Organic Carbon (TOC), measured as methane. Instantaneous exceedances get cleared once a location no longer has a reading of 500 ppm during a re-monitoring event. Repairs to instantaneous exceedances can include tuning individual wells, adding bentonite seals around gas wells, track walking slopes, and adding and compacting soil in the exceedance areas. Integrated exceedances occur when a grid has an average of 25 ppm or greater TOC. Integrated exceedances get cleared when the grid no longer shows an average of 25 ppm during a re-monitoring event. Repairs done to integrated exceedances are the same that are done to instantaneous repairs; however, the repairs are typically done across the entire grid and not just the individual points.

First Quarter 2025 SEM Results

Quarterly Instantaneous monitoring:

- The ISM on the City and County side of the landfill took place during March 2025. The City side of the landfill had 87 locations indicating instantaneous surface emissions over 500 ppm. The County side of the landfill had 95 locations indicating surface emissions over 500 ppm.
- These locations were repaired and re-monitored in accordance with SCAQMD Rule 1150.1. Each of the locations originally identified as being more than the

500-ppm threshold, and were accessible during the re-monitoring event, passed on either the first or second 10-day re-check as allowed by Rule 1150.1.

Integrated SEM monitoring:

- During the January 2025 monitoring events, the City side of the landfill had 52 grids whose surface monitoring results showed readings higher than 25 ppm.
 The County side of the landfill had 68 grids whose surface monitoring results showed readings higher than 25 ppm.
- During the February 2025 monitoring events, the City side of the landfill had 55 grids whose surface monitoring results showed readings higher than 25 ppm. The County side of the landfill had 55 grids whose surface monitoring results showed readings higher than 25 ppm.
- During the March 2025 monitoring events, the City side of the landfill had 60 grids whose surface monitoring results showed readings higher than 25 ppm.
 The County side of the landfill had 55 grids whose surface monitoring results showed readings higher than 25 ppm.
- The exceedances were addressed and re-monitored in accordance with Rule 1150.1. Each of the locations originally identified as being more than the 25ppm threshold, and were accessible during the re-monitoring event, passed on either the first or second 10-day re-check as allowed by Rule 1150.1.

Second Quarter 2025 SEM Results

Instantaneous SEM monthly monitoring:

- The ISM on the City and County side of the landfill took place during June 2025. The City side of the landfill had 86 locations indicating instantaneous surface emissions over 500 ppm. The County side of the landfill had 73 locations indicating surface emissions over 500 ppm.
- These locations were repaired and re-monitored in accordance with SCAQMD Rule 1150.1. Each of the locations originally identified as being in excess of the 500 ppm threshold passed on either the first or second 10-day re-check as allowed by Rule 1150.1.

Integrated SEM monitoring:

- During the April 2025 monitoring events ,the City side of the landfill had 68 grids whose surface monitoring results showed readings higher than 25 ppm.
 The County side of the landfill had 79 grids whose surface monitoring results showed readings higher than 25 ppm.
- During the May 2025 monitoring events ,the City side of the landfill had 46 grids whose surface monitoring results showed readings higher than 25 ppm.

The County side of the landfill had 55 grids whose surface monitoring results showed readings higher than 25 ppm.

- During the June 2025 monitoring events ,the City side of the landfill had 27 grids whose surface monitoring results showed readings higher than 25 ppm. The County side of the landfill had 80 grids whose surface monitoring results showed readings higher than 25 ppm.
- The exceedances were addressed and re-monitored in accordance with Rule 1150.1. Each of the locations originally identified as being more than the 25ppm threshold, and were accessible during the re-monitoring event, passed on either the first or second 10-day re-check as allowed by Rule 1150.1.

3.2 Perimeter Probe Monitoring

Rule 1150.1 monitoring requires monthly monitoring of the site's perimeter probes. In the months of April, May, and June of 2025, Probe 245 had readings above the regulatory threshold of 5.0% methane.

In January, February, April, May, and June of 2025 Probe 205R had a reading of greater than 3.0% methane. In January, February, March, April, May, and June of 2025 Probe 245 had a reading of greater than 3.0% methane.

The monitoring results from January 2025 through June 2025 are in included in Attachment C. All other readings were below 3.0% methane during both quarters.

4.0 Gas-to-Energy Facility (City/County)

Sunshine Gas Producers, L.L.C. (SGP) is the owner and operator of the turbine power plant. The power plant began commercial power generation on September 1, 2014, and currently places approximately 18.5 MW per hour or 445 MW per day of renewable energy onto the grid. The plant consists of five (5) Solar Mercury turbines rated at 4.6 MW per hour each.

5.0 Groundwater Monitoring (City/County)

The groundwater monitoring program approved by the Los Angeles Regional Water Quality Control Board (LARWQCB) for Sunshine Canyon Landfill is based on quarterly and semi-annual monitoring of 18 groundwater monitoring wells. Samples are analyzed by an EPA-approved analytical laboratory for more than 100 individual potential contaminants as specified by the approved monitoring program. Statistical analyses are used to identify any trends or changes in concentrations of constituents that could indicate a potential release from the site. In addition to the groundwater wells, samples are collected from sub-drains and lysimeters. Reports of sampling and monitoring

activities, including all analytical results, are submitted to the LARWQCB on a semiannual and annual basis.

5.1 Summary of Results of First Semi-Annual Groundwater Monitoring Period of 2024

During the second semi-annual 2024 monitoring period, environmental monitoring was conducted on a quarterly basis during September (third quarter) and December (fourth quarter 2024). The Second Semi-Annual 2024 Groundwater Report was submitted on February 15, 2025. The results were generally similar to past monitoring event results, as most analyte/well pairs that had water quality protection standard exceedances were previously in tracking mode. No significant trends are associated with well/analyte pairs in tracking mode.

During the first second-annual 2024 monitoring period, samples were not obtainable from Subdrain N due to its removal as part of the Corrective Action Plan (CAP). Construction activities were approved in November 2020 by the Regional Water Quality Control Board. Moving forward, samples will be collected from the Combined Subdrains. Samples obtained are generally consistent with historical results, and as a result, the liquids collected at the subdrains are conveyed to the nearby sewer system under a City of Los Angeles Bureau of Sanitation Industrial Wastewater Discharge permit. Currently, none of the collected liquid is being reused onsite and all of the subdrain liquids are discharged to the sewer. Apart from concentrations of 1,4-dichlorobenzene, all VOC concentrations in subdrain samples were measured below State and federal drinking water standards during the second semi-annual 2024 monitoring period. As is typical for Sunshine Canyon Landfill subdrain samples, concentrations of pH, sulfate, TDS, iron, and manganese exceeded state secondary drinking water standards.

Lysimeters LY-6 and LY-7 are sampled on a quarterly basis if there is a presence of liquids. During the monitoring period, they were monitored in September (third quarter) and December (fourth quarter). LY-6 was dry during both quarterly monitoring events, while LY-7 contained liquid and was sampled quarterly. Aside from benzene, VOC concentrations were below state primary drinking water standards. As is typical for SCLF lysimeter samples, concentrations of pH, chloride, sulfate, iron, and manganese and TDS exceeded secondary drinking water standards.

The First Semi-Annual 2025 Groundwater Report will be submitted by August 15, 2025.

6.0 Leachate Collection and Treatment System (City/County)

A revised Industrial Wastewater permit (Permit W-535428) was issued on September 1, 2023 and is currently in effect with an expiration of August 31, 2026 (as shown as Attachment D).

Within Attachment D of this TAC Report, a Revised Fact Sheet was prepared and submitted to the City to support the industrial wastewater application; this Fact Sheet is included in Appendix A. Appendix B provides a description of the liquids generated at

the facility as well as the site liquids management plan and other supporting documentation. As shown on Figure 1, liquids generated at the facility include, leachate, gas well liquids, condensate, seep water, subdrain and cut-off wall water. The major components of the site's liquid management plan include:

- Direct discharge of all site liquids including leachate, gas well liquids and condensate to the sewer with hydrogen peroxide as needed;
- Optional on-site treatment of seep, subdrain and cut-off wall water after which the effluent can be used on-site for dust control

Figures 2 and 3 in the Fact Sheet provides the process flow schematic for the optional on-site water reuse treatment system. This treatment system (formerly call the LTF treatment system in prior TAC reports) has since changed. The current system relies on approximately 16 frac tanks to collect all liquids. This liquid is then treated with 27% Hydrogen Peroxide (H_2O_2) to neutralize the dissolved sulfide prior to discharge to the public sewer system.

7.0 Surface Water Management System, Including Drainage and Erosion Control (City/County)

Management of surface water from the site and the substantial upland non-landfill area that drains to it is a major part of the site's environmental compliance and operational programs.

Functions of the surface water management system include the following:

- Prevent or minimize erosion from the landfill surface.
- Prevent discharge of sediments from the site in excess of regulatory standards.
- Maintain peak stormwater discharges at levels no greater than the prelandfill condition of the site; and,
- Manage the 100-year, 24-hour storm as required by Title 27 of the California Code of Regulations (CCR).

The surface water management system at Sunshine Canyon has been designed according to requirements of CCR Title 27 and the County of Los Angeles. Its major components were evaluated in the Joint Technical Document for the City/County Landfill and determined to be in conformance with all requirements.

7.1 Existing Stormwater Management System

The existing surface water management system at Sunshine Canyon consists of three primary subsystems of drainage controls:

- Permanent Perimeter Drainage System;
- Interim Interior Drainage System; and
- Temporary Erosion and Sediment Control Measures

Elements of each system are described below. Elements of existing permanent drainage facilities at the site as well as some interim facilities such as concrete drainage channels, are shown on the figure included in Attachment E.

7.1.1 Permanent Perimeter Drainage System

The perimeter drainage systems are the major permanent control systems for the landfill. They intercept all run-on of surface water from non-landfill areas and diverts it away from the landfill area and manages runoff from landfill areas where refuse elevations are above the site perimeter drainage elevations. Existing elements of the perimeter system include the following, all of which have been designed to handle the peak discharge from a minimum of a 100-year, 24-hour storm:

- Sedimentation Basin D, located at the far north end of the County portion of the facility, receives run-on from the native canyons north of the landfill area.
- Sedimentation Basin B, located on the east side of the County portion of the facility, which receives runoff from the native East Canyon area and from portions of the landfill area. Basin B is concrete-lined and has a discharge structure designed to level out peak discharges of stormwater.
- Sedimentation Basin A, located on the west side of the County portion of the facility, which receives run-on from slope and canyon areas west of the landfill area, and runoff from portions of the landfill area on the County side.
 Basin A is lined with concrete.
- Sedimentation Basin E, located adjacent to the new entrance road on the southeast portion of the city property, receives runoff from the native and cut slopes along the new entrance road and empties into the Terminal Basin.
 Basin E is lined with concrete.
- East Perimeter Drainage Channel which runs from Basin D to the Terminal Basin and receives run-on from sloped Canyon areas of the landfill area.
- Terminal Sedimentation Basin, located near the site entrance at San Fernando Road. All surface water discharge from the site passes through this concrete-lined basin, which is designed to manage the peak flow from the 100-year storm and discharge no greater flow than the pre-landfill condition of the site. Upgrades in the form of water discharge skimmers and new outfall structures have been installed in early 2018 to extend the retention time and optimize the capacity of this basin.
- The West Perimeter Drainage Channel is currently completed from Basin D to roughly 4,327 feet south of Basin A. It presently discharges to the interim interior drainage system, as described in the following section. When completed, the West Perimeter Drainage Channel will collect all drainage from the west side of the Closed City Landfill and discharge directly to the Terminal Basin. Approval of the Revised West Drainage Channel Master Plan was received from the LARWQB by letter dated October 24, 2016 (Attachment F).
- The Front Entrance Toe Berm Project when completed will provide a new access roadway for traffic and improved surface water drainage to the Terminal Basin and completion of the West Drainage Channel. The first

three phases of this project are now complete, and construction is on-going for the final two phases. Temporary BMPs will be utilized as needed until final construction activities have been completed in 2026.

7.1.2 Interim Interior Drainage System

Until all areas of the City/County Landfill have been developed and filled to elevations above the site perimeter, run-off from areas of the site interior must be managed in a system of basins and channels discharging through the center of the site to the Terminal Basin. At present, this includes the entire west side of the Closed City Landfill, currently areas of Cells CC-1, CC-2, CC-3, CC-4 Parts 1, 2, 3, and 4 parts A, B & C, and most of Cell CC-5A. The interim interior system is modified to accommodate ongoing construction activity. Construction includes drainage elements to ensure stormwater is directed to existing stormwater conveyance systems which ultimately discharge to the Terminal Basin.

The interim interior drainage system consists of an asphalt and concrete-lined trapezoidal channel which runs along the western side of the main haul road. This channel discharges to a box culvert which directs discharge from the trapezoidal channel along the temporary Phase 1 By-Pass Road that discharges to the Terminal Basin.

The drainage system for the Closed City Landfill features one large shallow sedimentation basin and a series of semi-permanent and temporary channels that collect runoff and convey it to the primary interior drainage channel described above. In the future, this system will discharge to the West Perimeter Drainage Channel.

7.1.3 Temporary Erosion and Sediment Control Measures

Temporary erosion control systems are installed on an annual basis in advance of the rainy season. A drainage plan is prepared annually which includes a variety of measures that not only reduce soil erosion but also reduce peak flows by slowing down and leveling discharges from the site. These measures are included in the annual Wet Weather Preparedness plan (Attachment G), and include the following:

- Inspected Filtrex compost rolls at the toe of disturbed slopes throughout various areas of the site and replaced/added rolls on an as needed basis.
- Track-walked slopes throughout the site to reduce slope erosion and allow establishment of seeded or native vegetation in non-active areas.
- Inspected the basin risers filter fabric in Basins A, B, and D, replaced or repaired as needed.
- Repaired damaged riser in terminal basin.
- Cleaned the skimmer systems in the Terminal Basin to make sure they are functioning properly.
- Installed approximately 13 acres of fiber rolls spaced at 15-feet vertically on multiple slopes around the landfill blueprint.

- Graded active landfill decks to prevent erosion by avoiding overly steepened swales and decks.
- Placed and crushed recycled asphalt on top deck areas that will be utilized for wet weather filling.
- Installed approximately 6 + acres of coconut jute matting for slope protection.
- Hydroseeded approximately 12 acres as shown on Drawing 6.
- Repaired perimeter drainage features and erosion rills.
- Graded soil cover in active landfill areas to prevent surface ponding.
- Removed silt, gravel check dams, and vegetation from the perimeter channels.
- Cleaned sediment from Basins A B, D, and the Terminal Basin.
- Cleaned the skimmer systems in the Terminal Basin to make sure they are functioning properly.
- Graded benches to promote positive drainage and reduce overtopping
- Cleaned pipes and inlets of vegetation and litter.
- Fiber rolls were installed prior to down drain flumes/channels, and at the base of all stockpiles.
- Construction of Diversion Berms and swales were created or reconstructed to create flows towards drainage inlets/perimeter channels.
- Repaired and installed drainage pipes to convey stormwater to the perimeter.
- Sedimentation Basin E to Terminal Basin subsurface pipe interconnect was cleaned out.
- Installed drainage slides to help with temporary drainage areas.
- Repaired pipe joints and reset down-drains as required.
- Installed ±8 acres of posi-shell soil binder/polymer on interim slopes.
- Installed additional slip lined channel down drains.
- Completed all diversion drainage berms to perimeter channels; and
- Repaired benches to control stormwater run-off.

Temporary erosion and sediment control measures are documented and reported to the LEA, the Los Angeles Regional Water Quality Control Board and the County of Los Angeles, Department of Public Works. The most recent Wet Weather Preparedness Plan (2024) submitted to these agencies is included in Attachment G. The 2025 Wet Weather Preparedness Plan will be available October 1st, 2025. After each rain event, erosion and sediment control measures are inspected and evaluated, and repairs made as needed prior to the next rain event.

8.0 Current Odor Control Mitigation Measures (City/County)

This section provides an overview of the odor control mitigation measures that have been on-going as well as providing the status of odor control systems in place.

8.1 On-Going Odor Control Measures

Sunshine Canyon Landfill (SCL) employs a variety of aggressive odor control measures as part of its regular daily operations. These measures aim to reduce the impact of odors

on surrounding neighborhoods and improve the overall environmental management of the site. The landfill is committed to achieving its goal of zero odor complaints and continuously evaluates the effectiveness of its odor control strategies to ensure their efficiency.

The landfill maintains a dedicated team focused on odor control, with full-time personnel assigned to managing odor-related activities. This includes daily odor patrols both onsite and in surrounding neighborhoods. The team is trained to identify various odors that may emanate from the landfill. They conduct daily patrols around the site and surrounding neighborhoods to monitor and identify potential odors.

The site implements several odor control measures, including the application of odorneutralizing chemicals, adjustments to fill operations, and management of landfill gas. Odor-neutralizing chemicals are placed on semi-stationary equipment called "Odor Domes" are strategically positioned throughout the site to help reduce odors. These Odor Domes are moved in conjunction with wind conditions and the position of the active working face to ensure that odors are minimized, particularly during unfavorable wind patterns. A rigorous program is also in place to monitor, operate, and maintain landfill gas systems. These systems are continuously assessed for efficiency and adjusted in real-time as needed. To further manage odor emissions, stationary vapor lines have been installed in three key locations throughout the southern portion of the site. In addition, SCL uses specialized equipment to mitigate odors during operations. A specialized vehicle, the RMR truck, is deployed at the operational working face of the landfill. Positioned on the perimeter of the tippers, this truck is used to neutralize odors by spraying a non-hazardous neutralizing agent. The agent creates a light foaming layer that helps minimize odor release during dumping activities. The RMR truck is in constant operation during any waste dumping, ensuring that odors are controlled at the source.

As part of the ongoing odor mitigation efforts, Sunshine Canyon Landfill continues to closely monitor odor complaints and notices of violations (NOVs) trends. The total number of odor complaints in the second half of 2024 (June 2024 – December 2024) was 953. In comparison, the first half of 2025 (January 2025 – June 2025) saw in increase, with a total of 1,152 complaints reported. Similarly, odor related NOVs rose from 24 in the second half of 2024 to 34 in the first half of 2025. (Attachment H).

Site personnel have worked closely with South Coast Air Quality Management District, the SCL-LEA, and the LA County Department of Public Works to develop strategies to mitigate odors. These strategies have included delayed or adjusting tipping times, pausing operations, implementation of odor-neutralizer product, installation of gas collection and leachate collection infrastructure and community patrols, among many others. The SCL team is dedicated to continuing those partnerships to effectively mitigate any potential off-site impacts due to odors.

8.2 Stipulated Order of Abatement

On March 19th, 2025, Sunshine Canyon Landfill (SCL) went before the Hearing Board of the South Coast Air Quality Management District to discuss the South Coast Air Quality Management Districts (SCAQMD) alleged claims that Sunshine Canyon Landfill is unable to conduct operations without being in violation of H&S Code §41700 and District

Rule 402. While SCL disputes these claims, the result of the heating was a Stipulated Order of Abatement with the South Coast Air Quality Management District.

Per the order, Sunshine Canyon Landfill shall collaborate with the SCL-LEA and SCAQMD to develop and implement protocols for the monitoring and evaluation of the effectiveness of each of the individual mitigation measures identified for implementation as outline in the Stipulated Abatement Order. As per the order, SCL shall appear at a status hearing with a written status report documenting the effectiveness and success of the different pilot projects. The hearing is scheduled to be six months from the date the Stipulated Abatement Order was issued and is expected to be held September 3rd, 2025.

A copy of the meeting minutes and Stipulated Order of Abatement is included in Attachment N.

9.0 Revegetation Plans and Recent Hydroseeding Efforts on Temporary Slopes and Stockpiles (City/County)

A quarterly vegetation report is submitted which provides discussions on the vegetation efforts and any hydroseeding activities conducted during the quarter. The vegetation reports for first and second quarter of 2025, submitted on April 30th, 2025, and July 31st, 2025, respectively. These reports are included in Attachment M.

10.0 Venturan Coastal Sage Mitigation Plan (City's M.4.4.1 (60) & (61))

As reported in previous TAC reports, a landscape architecture and planning contractor, Architerra Design Group (Architerra), was contracted to design and develop a habitat restoration and landscape improvement plan for the City South C Trial Plot. This project is intended to be a pilot or demonstration project to determine the most effective course of action for re-vegetation of the closed deck and slopes area on the City South area of the site. Work on this project began in the first quarter of 2013 with construction/planting activities completed in May of 2013. Weekly activities have been conducted in the pilot project area since that time consisting of maintenance, selective pruning and repairs to the irrigation system when needed.

An assessment of the site's sage mitigation areas, including the pilot project area, is conducted by a qualified biologist on a quarterly basis and is included in the quarterly vegetation reports. The quarterly monitoring consists of an overall assessment of the site's sage mitigation areas (City and County mitigation areas) as well as a sampling and assessment of the pilot project area in accordance with the procedure presented in the Third Quarter Vegetation Report entitled "Methodology for Monitoring Percent Cover and Species Richness within Each Seeded Application Method on the Coastal Sage Scrub Pilot Project at the Sunshine Canyon Landfill".

The most recent observations of the Deck C sage mitigation area noted that overall, the area looks healthy and is recovering well from the impacts of the 2019 Saddleridge Fire. The area will continue to be monitored on a quarterly basis and those observations will be included in the quarterly vegetation reports.

10.1 Phase 2 Coastal Sage Scrub Pilot Mitigation Project

On August 15, 2016, a proposal for a second phase of the Venturan Coastal Sage Scrub (CSS) mitigation was submitted to the TAC. This proposal presented two options to be considered for the Phase 2 CSS mitigation; the option to implement the second phase on Deck B was selected. This includes approximately 9.5 acres with the majority of the area being relatively flat although there are some shallow slopes along the edges. The area contains established CSS which would be protected during the construction of the area.

The construction of the Phase 2 CSS mitigation area on Deck B was initiated in October 2017. Grading of the area was completed in early November 2017 and the project has been completed in December 2018. Ongoing maintenance for the first year's establishment was underway for 2019 and monitoring and reporting for Deck B has been implemented during the CSS quarterly vegetation program.

11.0 Chatsworth Mitigation (City Q.C.9)

The following presents a summary of the work conducted in 2017 related to the Chatsworth Mitigation project.

11.1 Ordinance Amending Section 12.04 of the Los Angeles Municipal Code

The ordinance amending Section 12.04 of the Los Angeles Municipal Code has not been finalized as of the date of this report. Comments on the draft Ordinance were received from the Army Corps of Engineers (ACOE) on April 17, 2015 and forwarded to the City the same day. A conference call was held on July 7, 2016, to discuss the status of the draft Ordinance. Based on that call, Republic Services proceeded with work to develop an Addendum to the Mitigated Negative Declaration (MND) as a supporting document to the Ordinance (Section 11.2).

A conference call was held with representatives from the California Department of Fish and Wildlife (CDFW) in June 2017 to discuss their comments on the draft Ordinance. Fish and Wildlife personnel stated they could not agree with the Ordinance since the site permit required a Conservation Agreement. In addition, Republic Services was informed that the original Streambed Alteration Agreement (SAA) R5-2002-0163 had expired and could not be amended to include a reference to the City Ordinance. In response to this, Republic Services submitted a Notification of Lake or Streambed Alteration Notification to the CDFW on October 26, 2017. By letter dated November 27, 2017, the CDFW notified Republic Services the submitted Notification was deemed complete (Attachment I). CDFW also stated that if it is determined an Agreement is required for the project, a draft Agreement would be issued no later than January 26, 2018.

By letter dated January 26, 2018, CDFW notified Republic Services that because the CDFW did not submit a draft Lake or Streambed Alteration Agreement by January 26, 2018, Republic Services does not need an agreement to proceed with the proposed work given that all federal, state and local laws are observed. Currently, Republic Services is awaiting the approval of the City Ordinance (Attachment J).

12.0 Status of Alternative Fuels Vehicles (City/County)

The filling station located at 12881 Encinitas Avenue; Sylmar intermittently has E-85 fuel available. When available, pickup trucks used onsite fuel with E-85. When E-85 is not available, unleaded fuel is used. There is no other E-85 filling station close enough to Sunshine Canyon Landfill that is viable for this purpose.

13.0 Backup Generator (City/County)

As reported in previous TAC reports, SCL is in compliance with CUP Condition 83. In addition to the 800-kw generator on-site, generators needed to provide power to the landfill gas flaring system have been identified and secured by a contractual arrangement with Quinn Power Systems.

The transfer switches for Flares 1, 3, 9, 10 and 11 have been installed. One generator has been purchased and is staged on-site. The permit to operate this generator was received from SCAQMD in April 2017 (Permit No. G46227).

14.0 Soil Importation

SCL imports clean soil for daily cover from a variety of sources within the region. In quarters 1 and 2 of 2025, Sunshine Canyon Landfill had soil imported from the following vendors: WF Holdings LLC, L.A.C. Flood Control District, Valverde Construction, Environmental Waste Minimization, Inc., Tutor-Purple Line 2, California Earth Transport, SUKUT Construction, and CEM Construction. All soil importation projects are first reviewed against the facility's Waste Acceptance Policy in accordance with the site's Waste Discharge Requirements (WDR) by a third-party environmental engineer.

15.0 Current and Planned Projects Outside the Disposal Area

The site plans to eventually relocate the existing maintenance shop to outside the disposal area. An application for grading approval will be submitted to the County of Los Angeles in 2024 or 2025 with anticipation to complete the grading work and relocate the maintenance shop in 2025.

15.1 Front Entrance Toe Berm

The ultimate access way into Sunshine Canyon Landfill from San Fernando Road and the Cascade Oilfield Road have been designed to accommodate a geotechnical stability toe berm to complete future cell construction. The new roads will house the main road access on to the site for access to the Administration offices & breakroom, SCL-LEA building, Scale houses, Maintenance Shop, and access to the Cascade Oilfield office. The geotechnical and structural engineering consultant, Geo-Logic Associates designed the ultimate entryway. Ongoing construction activities for this project commenced in early March 2021, and are anticipated to continue through 2026. The approval letter from the Los Angeles Department of Building and Safety Grading Division is provided (Attachment L).

16.0 Current Monitoring Activities

The following monitoring activities have been conducted during the reporting period:

Third Party Mitigation Monitoring

Scope: Third-party Mitigation Monitoring

Consultant: UltraSystems

Surface Emission Monitoring

Scope: Monitoring required by SCAQMD Rule 1150.1 (Surface Emission

Monitoring, etc.)

Consultant: RES Environmental

Biological Monitoring

Scope: Coastal Sage, Oak Tree and Big Cone Fir Mitigation Monitoring

Consultant: Rincon Consultants (Formerly JMA)

Ambient Air Monitoring

Scope: Third-party Ambient Air Monitoring Consultant: Sonoma Technology, Inc. (STI)

Gas Well & Perimeter Probe Monitoring

Scope: NSPS Monitoring Consultant: SCS Engineers

Odor Control Systems Monitoring

Scope: Odor Mitigation

Consultant: Weaver Consultants Group, LLC

Please note that off-site odor monitoring conducted in nearby neighborhoods is conducted by Republic Services' employees.

17.0 Response to Third Party Mitigation Monitor Observations

UltraSystems provides the third-party mitigation monitoring as required by Q Condition C.12.c. UltraSystems personnel perform monitoring visits to observe operational site activities and determine compliance status with conditions and/or mitigation measures. After each site visit, UltraSystems and Republic personnel meet to discuss the findings and observations.

18.0 Recent Landfill Activities and Planned Activities for Next Six Months

Recent activities conducted at the landfill are discussed in previous sections and also include the following:

- Continued maintenance of City South Coastal Sage Mitigation Area.
- Graded low areas in Deck A to prevent ponding
- · Cleaned stormwater channels and basin
- Removed sediment and debris
- Developed a plan for mitigation of Deck A
- Application of mulch on grids to mitigate surface emissions
- Excavated waste for new cell development
- ADC Pilot Program for weekend usage
- Installation of gas infrastructure and maintenance in Cell CC-5A

Planned activities for the third and fourth guarters of 2025 include:

- Liquids management designed for new wells, as needed
- Continued gas infrastructure installation under the cell CC5A over liner and side slopes adjacent to the cell footprint.
- Quarterly liquid level data reviewed, improvements suggested, and implemented as needed
- Realignment of gas infrastructure that will be affected by Phase 4 Front Entrance Project
- SEM data managed and improvements made by the second 10-day check
- Construction and grading of subsequent phases of Front Entrance Toe Berm as well as temporary, internal access road grading
- Phase 2 Coastal Sage Scrub Pilot Mitigation Project.
- Continued maintenance of City South Coastal Sage Mitigation Project area.
- Develop Ultimate Drainage Control Plan
- Improve upon the existing gas recovery plans for current and future cell development
- Annual report summarizing effectiveness of ADC usage on weekends
- Prepare 5-year Cell Development Plan

Please do not hesitate to contact me at 816-521-3112 if you have any questions.

Sincerely,

Michael Stewart General Manager

Sunshine Canyon Landfill

Michael Stewant

Cc:

Tiffany Butler, City Planning
Lisa Webber, City Planning
Jon Sanabria, LA County Planning
David Nguyen, LA County Planning
Alex Garcia, LA County Planning
Edgar DeLaTorre, LA County Planning
Timothy Fargo, City Planning
Claudia Rodriguez, City Planning
Robertino Salgado, City Planning
David Thompson, SCL-LEA
Dorcas Hanson-Lugo, SCL-LEA







Los Angeles Regional Water Quality Control Board

December 16, 2024

Kate Downey, Environmental Manager Sunshine Canyon Landfill 14747 San Fernando Road Sylmar, CA 91342 KDowney@republicservices.com

APPROVAL OF WASTE PLACEMENT IN PART 1 OF CC-5A COMPOSITE LINER AREA - SUNSHINE CANYON LANDFILL, SYLMAR, CALIFORNIA (FILE NO. 58-076, ORDER NO. R4-2008-0088, GEOTRACKER GLOBAL ID L10006014618)

Dear Kate Downey:

The Los Angeles Regional Water Quality Control Board (Los Angeles Water Board) has received the report titled *Phase CC-5A Liner System Construction — Notification of Completion of CC-5A Part 1 Liner System at the Sunshine Canyon City/County Landfill* (Report), which was prepared by Geo-Logic Associates (GLA) for Republic Service (Discharger), dated December 9, 2024. The Report summarizes the construction quality assurance (CQA) services performed by GLA during the construction of the CC-5A, Part 1 composite liner system at the Sunshine Canyon Landfill (Landfill) in Sylmar, California, which is owned and operated by the Discharger. The Discharger requests approval from Los Angeles Water Board staff to begin waste placement operations in the completed Part 1 area (Figure 1), while the construction of Part 2 is ongoing. Refuse placement in the Part 1 area will allow the Discharger to begin operations and prepare liquids/leachate management facilities for Part 1 prior to wet-weather operations.

The Report is submitted to comply with waste discharge requirements (WDRs) Order No. R4-2008-0088, which was adopted by the Regional Water Board for the Landfill on October 2, 2008, and applicable requirements in title 27 of the California Code of Regulations (27 CCR).

The CC-5A, Part 1 composite liner system is approximately 7.7 acres in size, consisting of approximately 5.18 acres of side-slope area and 1.82 acres of floor area, with 4.4 acres of the side-slopes constructed over the closed City South Landfill. The composite liner system consists of the following components (from top to bottom):

Floor

- 2-foot-thick protective soil layer;
- 8 oz/yd2 filter geotextile;
- 1-foot-thick leachate drainage layer (gravel);
- 16 oz/yd2 cushion geotextile;
- 80-mil thick double-sided textured HDPE geomembrane;

- Geosynthetic clay liner (GCL) with bentonite encapsulated between two non-woven geotextiles;
- 60-mil thick double-sided textured HDPE geomembrane;
- 1-foot-thick sand drainage layer;
- 60-mil thick double-sided textured HDPE geomembrane;
- 2-foot-thick secondary clay liner (K < 1 x 10-7 cm/sec);
- Prepared subgrade.

Side Slopes

- 2-foot-thick protective soil layer 10-feet up the slopes;
- 16 oz/yd2 geotextile;
- 80-mil thick double-sided textured HDPE geomembrane;
- Geosynthetic clay liner (GCL);
- 60-mil thick double-sided textured HDPE geomembrane;
- Geocomposite drainage layer material 10-feet up the slopes;
- 60-mil thick double-sided textured HDPE geomembrane;
- Geosynthetic clay liner (GCL);
- 30-mil thick double-sided textured HDPE geomembrane;
- Prepared subgrade.

The CC-5A, Part 1 composite liner design is consistent with the technical design approved by Los Angeles Water Board staff on March 6, 2024 with some notable design or construction changes resulting from encountered field conditions; as follows;

- On March 26, 2024, the Discharger notified Los Angeles Water Board staff that CC-5A liner area was being reduced from 15.5 acres to 13.5 acres. The reduced two acres will be constructed as part of future liner phases.
- On September 4, 2024, the Discharger notified Los Angeles Water Board staff the Bench Liner Anchor Trench (Section L Sheet C13) was being modified to allow the project to be split into two parts.
- On November 26, 2024, the Discharger notified Los Angeles Water Board staff that the CC-3A Part 2 Floor Liner Tie-in (Type 2, Section D Sheet C11) was being modified because the granular drainage and LCRS course gravel layers could not be installed on existing steep slopes.
- On August 27, 2024, the Discharger notified Los Angeles Water Board staff that a
 section of liner being installed had pulled out of the anchor trench during installation
 of the secondary liner system over the closed portion of City South Landfill. To place
 the liner back into the trench, the liner installer had to cut open the liner to complete
 repairs. Follow-up notification detailing the incident and the proposed methods to reinstall the liner were submitted to Los Angeles Water Board staff on September 9,
 2024.
- On November 6, 2024, a significant wind storm resulted in damage to the GCL, 60-mil, and 80-mil side slope liner layers that were pulled from the anchor trench. Minor damage to the GCL was repaired by patching the material and re-deploying in areas that pulled out of the anchor trench. Damage to 1 panel of 60-mil geomembrane resulted in partial replacement with the panel cut in half along a vertical line to remove

the damaged area and a new panel tied into the remaining portion of the panel. The 80-mil geomembrane suffered creases which resulted in cracks when the liner installer tried to pull the panels back up the slope. Eight panels of 80-mil geomembrane required completed replacement.

The Report indicates that construction of the CC-5A, Part 1 composite liner system commenced with earthwork on June 10, 2024, and liner placement was substantially completed on December 5, 2024. During the construction of the liner system, including notable design or construction changes resulting from encountered field conditions, GLA provided CQA services on both earthwork and geosynthetic components installation. The earthwork tasks included geologic mapping during mass excavation, and observation and testing for subgrade preparation, clay liner, granular drainage materials, and the protective operations layer. The geosynthetics tasks included installing the high-density polyethylene (HDPE) geomembrane, geosynthetic clay liner (GCL), geocomposite, and geotextile.

Los Angeles Water Board staff has reviewed the Report and, based on the information provided and our observations during site inspections conducted on July 9, 2024, July 17, 2024, October 10, 2024 and November 11, 2024, determined that the CC-5, Part 1 composite liner system at the Landfill meets the requirements in Section D of the WDRs (Requirements for Containment Structures) and Section 20310 et seq. of 27 CCR (Waste Management Construction Standards). Discharge of municipal solid wastes, as defined in Section A of the WDRs (Acceptable Materials), to the Part 1 limits shown in Figure 1 is hereby approved.

If you have any questions, please contact Enrique Casas, Senior Engineering Geologist, Land Disposal Unit, at enrique.casas@waterboards.ca.gov or (213) 620-2299.

Sincerely,

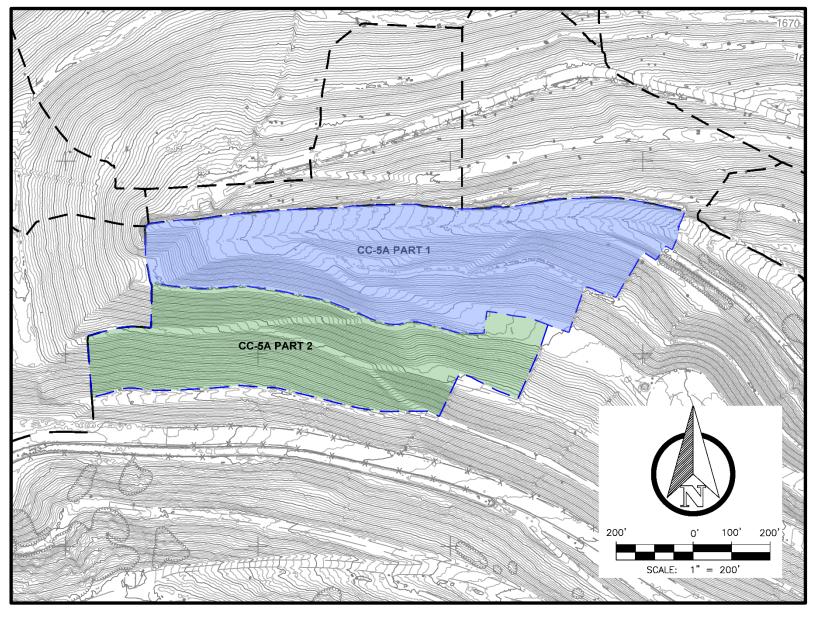
Jenny Newman

for Susana Arredondo Executive Officer

Cc:

Dorcus Hanson-Lugo, Sunshine Canyon Landfill LEA (dlugo@ph.lacounty.gov)
David Thompson, Sunshine Canyon Landfill LEA (david.thompson@lacity.org)
Courtney Barrett, Geo-Logic Associates (cbarrett@geo-logic.com)
Wayde Hunter, North Valley Coalition, Granada Hills (WHunter01@aol.com)

Figure 1.









SUNSHINE CANYON CITY PERIMETER PROBE MONITORING DATA

	Davis I		TEMPERA	TURE: 6	O'F	BARO. PR	ESSURE: Z	8:20	केन्द्र
EM SERIAL #:	9506	084		WEATHER	CONDITION	s: Sonn	y - W	indy	
PROBE			PRESSURE					PURGE TIME	
NUMBER	DATE	TiME	(+/-)	% CH4	% CO2	% O2	% BAL	(MIN)	COMMENTS
213									
A-13	1-14-25			0	1.4	18.1		2	
B-29	1-14-24			0		20.5		2	
C-45	1-14-25	-		Ð		20.5		3	
D-61	1-14-25			Ð		20.9		4	
E-77	1-14-25	7:48	1.40	Ð	0.2	20.9	78-9	4	
214									
A-13	1-14-25				-	13.3		2	
B-30	1-14-25			Ð			79.2	- 2	
C-48	1-14-25	8:06	02	0	1.3	19.7	79	3	
215									
A-13	1-14-25	8:08	05	O		8.9		2	
B-30	1-14-25					14.5		2	
C-47	1-14-25	8:15	.01	Ð		20.9		3	
D-54	1-14-25					19-9		4	
E-81	1-14-25	8:25	0	0	4.3	17.7	83,0	4	
216									
A-14	1-14-25			Ð		20.9	-	2	
B-43	1-14-25	8:34		0		20.2		2	
C-62	1-14-25		.07	0		20.7		3	
D-86	1-14-25			0	-	20.9		4	
E-110 ·	1-14-25	8:47	.07	θ	2.0	17.7	80.3	4	
217		_							
A-13	1-14-25			0		13.8		2	
B-30	1-14-25	9:02	Ð	0	3.6	17.9	73.6	2	
									·
218R							_		
A-11	1-14-25			0		14.6		2	
B-26.5	1-14-25			0		10.6		2	
B-30	1-14-25	9:17	-05	0	0.5	20.2	74.3	2	
219									
A-13	1-14-25	9:25	01	Ð	-	20		2	
B-64	1-14-25	9:28	Ð	Ð	0.1		79.4	2	
C-115	1-19-25	9:31	05	0	0.3		82.7	3	
D-166	1-14-25	9:35	01	+	6.1	8.0	86	4	
E-217								4	

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SUNSHINE CANYON - CITY PERIMETER PROBE MONITORING DATA

		T	BBEEGUBE	2/ 1/0/	% VOL	%	%	PURGE	COMMENTS
PROSE NUMBER	DATE	TIME	PRESSURE (+/-)	% VOL CH4	CO2	02	BAL	TIME	•
NUMBER			177	41.1				(MIN)	
220									
	1-14-25	a:ua	07	Ð	1.4	19.2	79.3	2	
A-14				Ð	1.0		79.4		
B-40	1-14-25		0					2	
C-87	1-14-25			Đ	1.3		79.4	3	
D-124	1-14-25	10:00	01	Ð	1.3		79.4	4	
E-158	1-14-25	10-04	.03	Ð	0.2	2016	79.1	4	
2200									
2208		.1.10	-01	Ð	1.9	14.9	81.2	2	
A-14	1-14-25								
B-38	1-14-25		- 01	Ð		18.6		2	
C-62	1-14-25	11:17	0	θ		15.4		3	
D-86	1-14-25	11:21	.03	Ð	4.4	15.1	80.5	4	
E-110	1-14-25		01	0	2.3	17.2	80,5	4	
227									
221			- 24	θ	0.4	20	79.6	,	
A-13	1-14-25					1		2	
B-56	1-14-25	11:34	01	0	0.5	20	79.5	2	
C-99	1-14-25			0	0.4		791.3	3	
D-142	1-14-25	11:43	01	Ð	0.1	8.85	79.2	4	
E-185	1-14-25			Ð	0.4	20.6	79	4	
2242									
222	1-14-25	11. 44		^	M n	12.1	79.4		
A-13				Ð				2	
8-54.8	1-14-25			Đ	16.1	2.7	81.2	2	
C-96.5	1-14-25	12:01	Ð	Ð	7.9	12.7		3	
D-138.3	1-14-25	12:06	.01	Ð	1.8	18.8	79.4	4	
E-180	1-14-25	12:11	0	0	0.1	20.5	79.4	4	
222									
223	1-14-25	12.25	- 100	0	4.3	10	85.7	2	
A-13				0	1				
8-37.5	1-14-25			8	6.1		84.3	2	
C-62	1-14.25			Ð	2		81.5	3	
D-86.5	1-14-25	12:36	02	Ø	1.4		81.9	4	
E-111	1-14-25	12:40	.01	0	1.3	17.6	81.1	4	
224	1								
224	1.11 -	10.110	. 01	0	0.6	19.7	79.7	2	
A-13	1-16-25	10.71	. 01	0		20.4			
B-67.5	1-16-25							2	
C-122	1-16-25			0		20,5		3	
0-177.5	1-16-25	11:00	102	0	0.1	20.6		4	
E-232	1-16-25			0	0.1	20.8	79.1	4	
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SUNSHINE CANYON - CITY PERIMETER PROBE MONITORING DATA

PROBE	DATE	TIME	PRESSURE	% VOL	% VOL	%	%	PURGE	COMMENTS
NUMBER			(+/-)	CH4	CO2	02	BAL	TIME (MIN)	
225									
A-13	176-25	11:12	01	Ð	13.1	6.9	79.9	2	
B-72	1-16-25	11:14	D1	D		134	80.1	2	
C-1131	1-16-25			Ð	12.1	8.2		3	
0-190	1-16-25			6	0.5		79.2		
E-244	1-16-25	11:28	01	Ð	0.2	20.6		4	
C-244	1 .0 03								
226									
A-13	1-16-25	11:35	.01	D	0.3	20.5	79.2	2	
B-64	1-16-25			Ð	0.1	+	79.2	2	
C-114	1-16-25			0	0.1	20.8		3	
D-164	1-14-25	11:46	DI	Đ	0.1	20.8		4	
E-208	1-16-25		Ð	Đ	0.2			4	
E-2UG	1-1000	[11.31	-	0					
227									
A-13	1-16-25	11.03	.02	0	0.5	201	79.4	2	
8-48.7	1-16-25			Ð	0.9	17.0	82.1	2	
C-84.4	1-16-26	17:03		b	0.6	20.1		3	
D-114	1-16-25	12108	- 001	Ö	0.5	70.1		4	- ni-u
-115.7	1-16-25			Đ	0.6	19.7	79.7	4	
-115./	1-10-53	,		-					
228									
A-13	1-14-25	17:06	A	4	1.0	19.4	74.6	2	2
B-63	1-14-25			8	0.3		79.2	2	
C-113	1-14-25			6	0.1		79.2	3	
0-163	1-14-25			Ø	0.2	20.7		4	
E-213	1-14-25	13.31	01		0.9		80.4	4	>
-213	111111111111111111111111111111111111111	17. 4		<i>v</i>	0.1	14.7			
229									
A-13	1-16-25	17:24	.07	Ð	0.8	18.8	80.4	2	
-48.7	1-16-25			ĕ	b.1		79.4	2	
-84.4	1-16-25			Ð	1.0	17.9		3	
0-114	1-16-25	A		D	0.9		80.9	4	
155.7	1-16-25	12:41	07-	0.1		19.7	86.2	4	
200.7									Ψ.
230									
A-16								2	REMOVED DUE TO CONSTRUCTION
B-33								2	REMOVED DUE TO CONSTRUCTION
C-50								3	REMOVED DUE TO CONSTRUCTION
-30								-	
231									
231								2	REMOVED DUE TO CONSTRUCTION
A-13								2	REMOVED DUE TO CONSTRUCTION
B-26								3	REMOVED DUE TO CONSTRUCTION
C-39	-							4	REMOVED DUE TO CONSTRUCTION
D-51									
E-66					-	-		4	REMOVED DUE TO CONSTRUCTION

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SUNSHINE CANYON CITY PERIMETER PROBE MONITORING DATA

PROBE NUMBER	DATE	TIME	PRESSURE (+/-)	% VOL CH4	% VOL CO2	% O2	% BAL	PURGE TIME (MIN)	COMMENTS
241									
A-13	1.14.25	6:59	-3.89	0	0.1	20.9	79	2	8
8-28	1.14.25					20.9		2	
C-47	1.14.25	7:07	-1.54	0		20.6		3	
D-64	1.14.25			o	0.2	20	79.8	4	
	1.14.25	7:17	-1.18	0	3.1	20.7	76.2		
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	Devic				65°F			7.86	Pa
1 SERIAL #	£ 506	1280		WEATHER	CONDITION	15: Se	nny		**************************************
PROBE			PRESSURE					PURGE TIME	
NUMBER	DATE	TIME	(+/-)	% Сн4	% CO2	% 02	% BAL	(MIN)	COMMENTS
202									
A-10	1.16.25	7:03	0	0	95	12.3	78.2	2	REMOVED DUE TO CONSTRUCTION
B-25	1.16.25			0	14.3	9.3	76.4	2	REMOVED DUE TO CONSTRUCTION
C-38	1.16.25	7:09	- 0.03	0	22.2	5.4	72.4	3	REMOVED DUE TO CONSTRUCTION
203									
A-10	1-16-25	13:16	.02	0	1.6	18.6	79.8	2	
8-25	1-16-25	13:19	0	Ð	5.6	15.1		2	
C-40	1-16-25			Ð	4.7	14.2	81.1	3	
206									
A-10	1-16-25		Ð	0	2,5	12.3		2	
8-25	176-25			00		9.3		2	
C-40	1-16-25	7:09	-03	D	22.2	5.4	72.4	3	
207									·
A-10	H16-25		.02	0	0.3	19.4		2	
B-25	1-16-25		Ð	0	4.4	124	76.2	2	
C-40	1-16-25	7:40	02	Ð	4.4	19.4	76.2	3	
	1								
208									
A-9.1	1-16-25		Ð	0	1.7		78-7	2	
B-25	1-16-25			0		15.6		2	7.
C-40	1-16-25	7:24	07	0	2.5	19.0	78.4	3	
	-				-				
210									
A-10	1-16-25			Ð	2.2		77.8	2	
B-25	1-16-25					20.8		2	
C-39	1-16-25	8:13	.01	0	1.8	14.1	78.5	3	
	-				-				
242	<u> </u>								
C-42	1-16-25			0	1.7		81.5	3	
D-60	1-16-25			0	8.4		85.6	4	
E-78	1-16-25	9:34	.03	Đ	4.3	11.9	83.8	4	
243									
A-11	1-16-25			Ø.3	12.4		87.2	2	
8-20	1-16-25	13:02	θ.	Ð			88.2	2	
C-33	1-16-25	13:06	04	Ð	3.2	6.7	88.1	3	



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HNICIAN:			TEMPERA	TURE: _ <	20 t	BARO. PR	SSURE	,,,,	
SERIAL #	450546	5		WEATHER (CONDITION	ıs:	Suvry		
PROBE IUMBER	DATE	TIME	PRESSURE (+/-)				% BAL	PURGE TIME (MIN)	COMMENTS
202R			. ,						
A	1/15/25 1/15/25 1/15/25	8:23	-1/6	100	9.0	0.7	70.3	2	
B	1/15/25	0.26	- 2.59	2	0.6	19.8	80.8	2	
D	111425	8.27	- 70	-6	0.3	70.7	00.8	3	
-									
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	-								
	 								
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								La company	

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PROBE	DATE	TIME	PRESSURE	% VOL	% VOL	1 %	1 %	PURGE	COMMENTS
NUMBER	54.5	11416	(+/-)	CH4	CO2	02	BAL	TIME	COMMENTS
								(MIN)	
244									
A-11	1.16.28	2:49	6	ဗ	15.5	0.1	84.5	2	
B-21	1-16.25	2:52	0	0	21.3	0	78.6	2	
C-36	1.16.25	2:56	0	0	20.6	5.4	74.0	3	
245									
A-11	1/15/25 1/15/25 1/15/25 1/15/25 1/15/25	9.14	01	D-	11.3	9.0	79.7	2	
B-20	1/15/25	9.18	- 108	4.1	17.5	3.9	68.3	2	
C-35	1/15/25	9:11	03	0.8	14.7	8.7	758	3	
D-50	1115-195	0.41	14	0.5	11.4	7.0	86 /	4	
E-64	1/15/20	0.20	1.45	2	11.1	10 4	70-9		
E-64	1/10/23	7.50	7.00	v	0.6	2001	1811	4	
246	-								
A-9					-			2	REMOVED DUE TO CONSTRUCTION
B-15								2	REMOVED DUE TO CONSTRUCTION
205R	1.								
A-11	1/15/25	9:57	0.0	6	3.8	16.4	79.8	2	
8-20	1/15/25	10:00	/6	0	8.3	10.4	51.9 51.7	2	
C-33	1/15/25	10:05	39	3.5	44,6	0.0	51.9	3	
D-48	1/15/25	10:10	-,48	3.9	43.0	1.4	51.7	4	
E-62	1/15/25 1/15/25 1/15/25 1/15/25 1/15/25	10:15	12	0	15.0	2.2	82.8	4	
			•						
239									
A-11	1.16.25	8:20	04	0	21.0	9.3	69.2	2	
B-20	1.16.25		0	0	1.1	20.7		2	
C-35	1.16.25		0	0	2.4	20.4	72.2	3	
D-50	1.16.25			0	0.1		78.9		
E-64	1.16.25			0	0.1		78.9	4	
E-04	11005	0.31	0.01		0.1	20.9	70.9	4	
						-			
240		C 145							
A-11	1.16.25		.02	0		1.9	80.3	2	
B-20	1.16.25			0		20.5		2	
C-33	1.16.25			0		20.9		3	
D-49	1.16.25			0		28.8	79.	4	
E-61	1.16.25	9:02	~.01	0	0.2	20.9	78.9	4	
							-		10

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SUNSHINE CANYON COUNTY PERIMETER PROBE MONITORING DATA

PROBE NUMBER	DATE	TIME	PRESSURE (+/-)	% VOL CH4	% VOL CO2	% O2	% BAL	PURGE TIME (MIN)	COMMENTS
0805 VA							200		
	1.12.52	9:03	25	0	ي. ه	20.5	78,9		
A) ZOYD	1.15.25	13:35	-3.78	0.5	0.1	20.6	78.7		
BY SIID									
	1.15.55	8:02	-1. 7 8	0	1.9	19.1	79_		

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SUNSHINE CANYON CITY PERIMETER PROBE MONITORING DATA

DATE 2-11-25 2-11-25		PRESSURE (+/-)	WEATHER C	CONDITION	s: 5 0M	SSURE: 2		
2•1 7 -25	TIME	PRESSURE						
2•1 7 -25	TIME						DUDGE	
2•1 7 -25	TIME						PURGE TIME	
			% CH4	% CO2	% O2	% BAL	(MIN)	COMMENTS
	6:55	0.05	8	23	19.9	77, 8	2	
			0	2.6	19-1	78.7	2	
2-18-25			0	1.2		78.1	3	
2-18-25	7:08	Ð-	D	1.5	20.6	78.0	4	
		Ð	0	2.6	18.7	73.7	4	
					m ====			
2-18-24	7:32	02	Ð	0.1	20.7	79.9	2	
D-14-0-3	** 20	.04		., /	-5.7	,,,,,,	J	
a 16 95	-1 - 2.1 **	Δ.	6	F. 7	9.4	251	2	
			-					
2-18-25	3:01	Ð	0	3.3	14.6	13.1	4	
				0.1	20.1	79.1	-	
							2	
							3	
							4	
2-14-25	8:23	Ð	θ	1.1	19.2	79.7	4	
				-				
2-18-25	8:55	01					2	
2-18-25	8:58	01	0	4.6	15.2	80.2	2	
2-18-25	1:37	-02	8	0.2	12.8	87.0	2	
			Ð	18.7	14.6	66.7	2	
				1.2	17.5	81.1	2	
2.18.25	9.16	2	a	0.2	18.0	21.8	7	
2./3. 43	7:25	.01	4	6.3	7.0	57,6	4	
	2-18-25 2-18-25 2-18-25 2-18-25 2-18-25 2-18-25 2-18-25 2-18-25 2-18-25 2-18-25 2-18-25 2-18-25 2-18-25 2-18-25 2-18-25 2-18-25 2-18-25 2-18-25 2-18-25 2-18-25	2-18-25 7:13 2-18-25 7:35 2-18-25 7:35 2-18-25 7:45 2-18-25 7:47 2-18-25 7:56 2-18-25 8:01 2-18-25 8:10 2-18-25 8:10 2-18-25 8:10 2-18-25 8:23 2-18-25 8:55 2-18-25 8:55 2-18-25 8:56 2-18-25 8:40 2-18-25 8:40 2-18-25 8:40	2-18-25 7:3202 2-18-25 7:350/ 2-18-25 7:350/ 2-18-25 7:350/ 2-18-25 7:45 D 2-18-25 7:47 -01 2-18-25 7:5/02 2-18-25 7:5/01 2-18-25 8:0603 2-18-25 8:10 -02 2-18-25 8:10 -02 2-18-25 8:10 -02 2-18-25 8:10 -02 2-18-25 8:10 -02 2-18-25 8:10 -02 2-18-25 8:10 -01 2-18-25 8:10 -01 2-18-25 8:10 -01 2-18-25 8:10 -01 2-18-25 8:10 -01 2-18-25 8:10 -01 2-18-25 8:10 -01 2-18-25 8:10 -01	2-18-25 7:3202 0 2-18-25 7:3501 0 2-18-25 7:3804 0 2-18-25 7:47 .01 0 2-18-25 7:5102 0 2-18-25 7:5601 0 2-18-25 8:0603 0 2-18-25 8:10 .02 0 2-18-25 8:14 .02 0 2-18-25 8:18 .01 0 2-18-25 8:18 .01 0 2-18-25 8:5501 0 2-18-25 8:5801 0 2-18-25 8:58 0 0 2-18-25 8:59 0 0 2-18-25 8:50 0 0 2-18-25 8:30 0 0 2-18-25 8:30 0 0 2-18-25 8:30 0 0	2-18-25 7:3202 \(\text{O} \) 0.1 2-18-25 7:3501 \(\text{O} \) 0.1 2-18-25 7:3804 \(\text{O} \) 1.4 2-18-25 7:45 \(\text{O} \) 0.3 2-18-25 7:47 .01 \(\text{O} \) 0.3 2-18-25 7:5102 \(\text{O} \) 0.1 2-18-25 7:5601 \(\text{O} \) 0.6 2-18-25 7:5601 \(\text{O} \) 0.6 2-18-25 7:5601 \(\text{O} \) 0.6 2-18-25 7:5601 \(\text{O} \) 0.3 2-18-25 7:5601 \(\text{O} \) 0.3 2-18-25 7:5601 \(\text{O} \) 0.3 2-18-25 7:51 \(\text{O} \) 0.2 \(\text{O} \) 0.3 2-18-25 7:51 \(\text{O} \) 0.2 \(\text{O} \) 0.3 2-18-25 7:51 \(\text{O} \) 0.7 2-18-25 7:51 \(\text{O} \) 0.1 2-18-25 7:51 \(\text{O} \) 0.1 \(\text{O} \) 0.1 2-18-25 7:55 \(\text{O} \) 0.7 2-18-25 7:55 \(\text{O} \) 0.7 2-18-25 7:55 \(\text{O} \) 0.7 2-18-25 7:56 \(\text{O} \) 0.7 2-18-25 7:57 \(\text{O} \) 0.7	2-18-25 7:3202 \(\text{D} \) 0.1 \(20.7 \) 2-18-25 7:3501 \(\text{D} \) 0.1 \(20.6 \) 2-18-25 7:3804 \(\text{D} \) 1.4 \(20.1 \) 2-18-25 7:45 \(\text{D} \) \(\text{D} \) 0.3 \(20.4 \) 2-18-25 7:47 .01 \(\text{D} \) 0.3 \(20.4 \) 2-18-25 7:5102 \(\text{D} \) 0.1 \(20.7 \) 2-18-25 7:5601 \(\text{D} \) 0.6 \(19.7 \) 2-18-25 7:5601 \(\text{D} \) 0.6 \(19.7 \) 2-18-25 7:5601 \(\text{D} \) 0.6 \(19.7 \) 2-18-25 7:5601 \(\text{D} \) 0.3 \(20.7 \) 2-18-25 7:5601 \(\text{D} \) 0.3 \(20.6 \) 2-18-25 7:5601 \(\text{D} \) 0.2 \(\text{D} \) 0.2 \(20.7 \) 2-18-25 7:56 \(\text{P} \) .02 \(\text{D} \) 0.3 \(20.6 \) 2-18-25 7:56 \(\text{P} \) .02 \(\text{D} \) 0.1 \(20.8 \) 2-18-25 7:56 \(\text{P} \) .01 \(\text{D} \) 0.1 \(20.8 \) 2-18-25 7:56 \(\text{P} \) .01 \(\text{D} \) 0.1 \(20.8 \) 2-18-25 7:56 \(\text{P} \) .01 \(\text{D} \) 0.7 \(\text{I2.8} \) 2-18-25 7:57 \(\text{O} \) 0.7 \(\text{I2.8} \) 2-18-25 7:58 \(\text{D} \)02 \(\text{D} \) 0.7 \(\text{I2.8} \) 2-18-25 7:57 \(\text{O} \) 0.7 \(\text{I2.8} \) 2-18-25 7:77 \(\text{O} \) \(\text{D} \) 0.7 \(\text{I3.0} \) 2-18-25 7:77 \(\text{D} \) \(\text{D} \) 0.8 \(\text{3.0} \)	2-18-25 7:3202 \(\text{O} \) 0.1 \(20.7 \) 79.2 \\ 2-18-25 7:35 \(01 \) \(\text{O} \) 0.1 \(20.6 \) 79.2 \\ 2-18-25 7:38 \(04 \) \(\text{O} \) 1.4 \(20.1 \) 78.5 \\ 2-18-25 7:45 \(\text{O} \) \(\text{O} \) 0.3 \(20.4 \) 79.3 \\ 2-18-25 7:51 \(01 \) \(\text{O} \) 0.6 \(19.7 \) 79.7 \\ 2-18-25 7:56 \(01 \) \(\text{O} \) 0.6 \(19.7 \) 79.7 \\ 2-18-25 7:56 \(01 \) \(\text{O} \) 0.6 \(19.7 \) 79.7 \\ 2-18-25 7:51 \(-001 \) \(\text{O} \) 0.3 \(20.7 \) 79.1 \\ 2-18-25 7:10 \(.02 \) \(\text{O} \) 0.3 \(20.7 \) 79.1 \\ 2-18-25 7:14 \(.02 \) \(\text{O} \) 0.2 \(20.7 \) 79.1 \\ 2-18-25 7:15 \(-01 \) \(\text{O} \) 0.1 \(20.7 \) 79.1 \\ 2-18-25 7:15 \(-01 \) \(\text{O} \) 0.1 \(20.8 \) 79.1 \\ 2-18-25 7:23 \(\text{O} \) \(\text{O} \) \(\text{O} \) 1.1 \((9.2 \) 79.7 \\ 2-18-25 7:37 \(.02 \) \(\text{O} \) 1.1 \((9.2 \) 79.7 \\ 2-18-25 7:37 \(.02 \) \(\text{O} \) 1.2 \(17.5 \) 71.5 \\ 2-18-25 7:40 \(01 \) \(\text{O} \) 1.7 \(74.6 \) 66.7 \\ 2-18-25 7:15 \(03 \) \(\text{O} \) 0.2 \(17.5 \) 81.1 \\ 2-18-25 7:17 \(01 \) \(\text{O} \) 0.1 \(20.2 \) 79.6 \\ 2-18-25 9:17 \(01 \) \(\text{O} \) 0.8 \(3.0 \) 96.2	2-18-25 7:3202 \(\text{D} \) 0.1 \(20.7 \) 79.2 \(2 \) 2-18-25 7:3504 \(\text{D} \) 1.4 \(20.1 \) 78.5 \(3 \) 2-18-25 7:45 \(\text{D} \) \(\text{D} \) 1.4 \(20.1 \) 78.5 \(3 \) 2-18-25 7:47 .01 \(\text{D} \) 0.3 \(20.4 \) 79.2 \(2 \) 2-18-25 7:5102 \(\text{D} \) 0.1 \(20.7 \) 79.2 \(3 \) 2-18-25 7:5601 \(\text{D} \) 0.6 \(19.7 \) 79.7 \(4 \) 2-18-25 8:01 \(\text{D} \) \(\text{D} \) 0.3 \(20.7 \) 79.7 \(4 \) 2-18-25 8:01 \(\text{D} \) \(\text{D} \) 0.3 \(20.7 \) 79.7 \(4 \) 2-18-25 8:10 \(\text{D} \) \(\text{D} \) 0.3 \(20.7 \) 79.1 \(2 \) 2-18-25 8:18 \(\text{O} \) \(\text{D} \) \(\text{D} \) 0.3 \(20.7 \) 79.1 \(2 \) 2-18-25 8:23 \(\text{D} \) \(\text{D} \) \(\text{D} \) 0.1 \(20.8 \) 79.1 \(4 \) 2-18-25 8:55 \(-\text{O} \) \(\text{D}

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SUNSHINE CANYON - CITY PERIMETER PROBE MONITORING DATA

OBE	DATE	TIME	PRESSURE	% VOL	% VOL	%	%	PURGE	COMMENTS
BER			(+/-)	CH4	COS	02	BAL	TIME	
								(MIN)	
0							601.0		
14	2-18-25			0		16.7	81.9	2	
40	2-18-25			Ð	1.7		81.4	2	
-87	2-18-25	10:45	.03	0	1-1	17.8		3	
124	2-18-25	10.50	01	0	4.9	12.6	82.5	4	
158	2-18-25			0	0.2	19.4	80.3	4	
50									
0.0									
OB	2-18-25	11:02	.01	0	2.0	17	31	2	
14			0	0	0.3	19.5	80.7	2	
38	2-18-25				4.7	15	80.3		
62	2-18-25			0	3.9	14.3	81.8	3	
86	2-18-25		.03	0				4	
.10	2-18-25	11:18	101	Ð	2.4	16.1	81.5	4	
21									
13	2-18-25	11:27	0	Ð	2.1	16.2		2	
6	2-18-25		.01	8	1.%	16.8	81.5	2	
99	2-18-25			8	2.3	173	90.5	3	
142	2-18-25			0.1	0.1	20.8		4	
	2-18-25			0.1	1-1	18.5	80.4	4	
85	2-18-23	110-14							
_									
22	a 10, am	****		0	8.0	11.7	80.2		
13	2-18-25			θ			81.2	2	
4.8	2-18-25			0	12.3	6.4			
6,5	2-18-25			0	2.5	17.9	79.6	3	
38.3	2-17-25			Ð	9.7	10.7	79.6	4	
180	2-18-25	12:06	01	0.1	0.2	19.7	80	4	
23		V							
13	2-18-25	12:17	Ð	0.1	2.8	13.4	83.7	2	
7.5	2-18-25			0.1	3.5	16.9	85.6	2	
	2-18-25			0	0.9	18.2	80.8	3	
62	2-18-25	17:10	-01				81.7		
5.5	2-11-25				0.7		80.5	4	
11	2-11-123	16.33	0.7			+	1		
							-		
24					+	E	70 .		
13	2-19-ZS			0	1.2		78.6	2	A
7.5	2-19-25			0_	1.3		78.5	2	
L22	2-19-25			A	1,1	_	78.2		
.77:5	2-19-25			0	1.4		78.0		
32	2-14-25			0	1.4	20.7	78.0	4	
_									
	-				-				
	-				+	-			
				-		+	-		
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SUNSHINE CANYON - CITY PERIMETER PROBE MONITORING DATA

PROBE	DATE	TIME	PRESSURE	% VOL	% VOL	%	%	PURGE	COMMENTS
UMBER	Ditte.	*****	(+/-)	CH4	CO2	02	BAL	TIME	
								(MIN)	
225									
A-13	2-19-25	7:10	03	0.6	15.4	2.5		2	St.
8-72	2-19-25		.03	0	3.5	16,3	80.2	2	
-1131	2-19.25	7:16	01	ð	0.2	14.8	85.0	3	
D-190	2-19,25		-04	Ð	0.7	20.7	74.0	4	
-244	2-14-25			0	1-5	20.2	78.4	4	
247									
226									
A-13	2-19-25	7:31	8	Ð	o-t	20.8	79.1	2	
	2-19-25		103	Ð	0.1	20.4		2	
B-64	2-19-25		.03	Ð	0.1	26.8		3	
:-114	2-19-25		Ð	0	0.1	20.8		4	
)-164			ð	Ð	0.1	20.7	79.2		
-208	2-19-25	1.41		-	0.1	20.1	67.6	4	
227			c ar	_	6.1	20.6	793		
4-13	2-19-25			0				2	
-48.7	2-19-25			0	0.4		82.5	2	
-84 4	2-19-25			0	0.4	20	79.6	3	
-114	2-19-25			Ð	0.1	20.5		4	
115.7	2-1925	8:09	03	Ð	0.1	20.4	19.5	4	
228									
۹- 1 3	2-18-25	13:09	.01	Đ	0.7	20.1	79.1	2	
3-63	2-18-25	13:12	101	0	6.6	2.7	90.7	2	
-113	2-19-25	13:16	0	Ð	4.1	7.2	88.7	3	
-163	2-18-25			Ð	1.7	12.6	85.6	4	
-213	2-18-25		.01	0.1	4.2	Ð	95.7	4	>
223				,					
229									
4-13	2-18-25	12:42	03	0	Ð	19.9	79.5	2	
	2-18-25			0.6	1.2	19.7	78.4	2	
-48.7	2.18-25			0.1	0.8	18.6		3	
-84.4	2-18-25			0.1		19.4		4	
-114				0	0.5	19.8			
155.7	2-18-25	12.37	.01	U	0,0	1 7. 0	. 4.	4	
	-			-					
230	-						-		STANDATE DUE TO CONSTRUCTION
4-16	-							2	REMOVED DUE TO CONSTRUCTION
B-33								2	REMOVED DUE TO CONSTRUCTION
C-50								3	REMOVED DUE TO CONSTRUCTION
231									
A-13								2	REMOVED DUE TO CONSTRUCTION
B-26								2	REMOVED DUE 10 CONSTRUCTION
C-39								3	REMOVED DUE TO CONSTRUCTION
								4	REMOVED DUE TO CONSTRUCTION
D-51								4	REMOVED DUE TO CONSTRUCTION
E-66				-	-	1			

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*****	DATE	711.45	DESCRIPT	% VOL	% VOL	%	%	PURGE	COMMENTS
PROBE	DATE	TIME	PRESSURE (+/-)	% VOL	CO2	02	BAL	TIME	30
NUMBER			(+/-)	CH4	COZ	UZ.	DAG	(MIN)	
241	2-18-25 2-18-25 2-18-25 2-18-25 2-18-25	2.00	0	2	. 0	72.08	777		
A-13	2-18-23	6,22	4	0	1.7	20.9	77.7 78.0 78.3 77.6 78.0	2	
8-28	2.18-25	6:26	ð	θ	1.8	20.2	18.0	2	
C-47	2-18-25	6:30	0.05	0	1.8	19.9	78.3	3	
D-64	2 19-	-1.24	0 07	4	2.2	19.8	77.6	4	
D-64	2 15-2	6.37	0.03	0	16	74 6	70.0		
E-85	2-18-29	6:39	0/	y	1.6	20.5	73.0	4	
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	1								
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		-			-10-4				
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					2°F			8.204	
i SERIAL #:	G5060	84		WEATHER	CONDITION	us: Ha			- H
								PURGE	
PROBE			PRESSURE					TIME	а
NUMBER	DATE	TIME	(÷/-)	% CH4	% CO2	% 02	% BAL	(MIN)	COMMENTS
202									
A-10								2	REMOVED DUE TO CONSTRUCTION
B-25								2	REMOVED DUE TO CONSTRUCTION
C-38								3	REMOVED DUE TO CONSTRUCTION
203									
A-10	2-19-25			0	2.1	17.6	80.3	2	×
B-25	2-14-25			0	4.2	16.0	1	2	
C-40	2-19-25	12:04	0	H	3.6	15.6	\$b.8	3	
206									
	2-14-25	-	Ð	0	10.3		82.7	2	
	2-14-25			0		67		2	
C-40	2-19-25	9:02	03	H	21.4	5.5	73.1	3	
							-		
207				-					
	2-19-25			0	4.1		87.2	2	
	2-19-25		03	ð	0.9		80.4	2	
C-40	2-19-25	9:15	0	0	0.9	18.7	80.4	3	
					-				
208	a le e-	Cal at C	_	0	2. 27		on d		
	2-19-25			0		13.1	82.4	2	
	2-19-25			0		10,2		2	, and a second s
C-40	2-19-25	8:47	Ð	B	4.7	15.7	81.4	3	
210	7-14-5-		10	A	05	10 2	617		
	2-19-28			0		18.2		2	
8-25	2-19-25	13:00	0	0		18.2		2	
C-39	2-19-25	15.06	9	Ð	1.5	12.7	80.2	3	
2//									
242	1-14	o. 1111	A	Đ	1.1	18 0	81.0		
	2-19-25			0			-	3	
	2-19-25						83.7	4	
E-78	2-19-25	7:5/	U	0	2.6	15.3	-1.6	4	
		-							
243	0 20-	C1.0.		4.2	11.1		m		
	7.19.28			0.3	11.6		86.9	2	
	2.19.25			0		1	86.4	2	
C-33	7-19.25	4:50	0.0	0	1.8	17.3	80.9	3	

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			l'onces :	a	27.110			NIBCE I	COMBMENTS
PROBE MUMBER	DAFE	TIME	PRESSURE (÷/-)	% YOU CH4	% VOL CO2	% O2	% BAL	PURGE TIME	COMMENTS
TOTALDEN			1973		1 302		D/ \L	(MIN)	
244									
A-11	2-19-25	-4:26	0	0	15.1	Ð	84.9	2	
B-21	2-14.25		-	0	17.9	0.6	81.5	2	
C-36	2-19-25	_		8	25.4	1.8	72.8	3	
C 30									
245									
245	2 05	Om.	4 01	4-	m /		201		
A-11	2.19.25	1		6	8.6	8.7	82.6	2	
B-20	5.19.52			4.0	25.2	4.1	66.7	2	
C-35	2.19.25			1.2	27.1	2.7	74.0	3	
D-50	5.10.52			v.7	15.7	2.6	80.9	4	
E-64	2.10.52	9:14	01	0	0.1	20.6	79.3	4	
246					-				
A-9								2	REMOVED DUE TO CONSTRUCTION
B-16								2	REMOVED DUE TO CONSTRUCTION
205R									
A-11	2.19.25	10:04	03	0	4.6	10.8	84.6	2	
8-20	2.19.25			0	16.8	1.2	82.1	2	
C-33	2.19.25			2.3	46.5	1.1	50.1	3	
D-48	2.10.52			3.6	48.8	1-1	46.5	4	
E-62	2.19.25			0	15.1	4.3	80.7	а	
L 02	C 41.00	,0,0	.00		13.1	1.5	50.		
239									
	2-19-29	- 1/221	.03	Ð	18.9	5.5	72-6	2	
A-11				0	0.1	19.9	80.1		
8-20	2-19-25			0	0.1	20	80.0	2	
C-35	2-19-25				-		t	3	
D-50	2-19-25	-		0	0.1	19.9	\$0.0	4	
E-64	2-19-28	11:37	.02	0	0.1	19.9	80.0	4	
									:
240					1				
A-11	2-14-25			0	16.4		81.4	2	
B-20	2-19-25			0	0.6		80.8	2	
C-33	2-19-25						80.5	3	
D-49	2-19.25			_			80.3	4	
E-61	2-19-25	11:15	0	ð	0.1	17.6	80.3	4	
	-								
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LEA	SIGNATURE	

TECHNICIAN:	ARTINEZ		TEMPERA	TURE:	10°F	BARO. PR	ESSURE38)./0	
GEM SERIAL#:				WEATHER	CONDITION	IS:	SUNN	7	
PROBE NUMBER	DATE	TIME	PRESSURE (+/-)	% CH4	% CO2	% O2	% BAL	PURGE TIME (MIN)	COMMENTS
202R A B	2/19/15 2/19/25 2/19/25	7:58 8:00	- ·12 -1·07	8	g.6 0.7	0.1	91.3	2	SF :
C D	2/19/25	8:04	+1.05	8	2.4	0.0	97.6	3	
							5.		
						Y			
		<u> </u>						Ľ	

SCS SIGN = TURE

86	3131	ATURE		700	

NOMER NOMER NOME NO. 19-14 ON A CO22 O2 DAL THE DEAL THE	DDODE	DATE	TIME	PRESSURE	% VOL	% VOL	%	%	PURGE	COMMENTS
PUZILO 2/19/25 8:21 -5.07 & 3.0 17-1 79.9	PROBE NUMBER	DATE	HIVIC							
PV2ND 2/19/25 8:21 -5-07 & 3-0 17-/ 79-9 PV2ND 2/19/25 8:37 -1-00 & 0-8 19-7 79-5 PV2ND 4/10/25 13:19 5:49 0 1.8 19-7 80-5 PV2ND 4/10/25 13:19 5:49 0 1.8 19-7 80-5	I TONIOLIN								(MIN)	
PV200 2/19/25 8:21 -5-07 & 0 -8 19-7 79-9 PV200 2/19/25 8:37 -1-00 & 0 -8 19-7 79-5 RV200 2/10/25 13:19 5:49 0 1.8 12-7 80-5										
PV1000 2/19/25 8:37 -1:00 & 0.8 (P-7 7P-5 RY1000 2/19/25 13:19 -5:49 0 1.8 12-7 805	Dunn	1/19/15	2:11	-5.67	er	3.0	17-1	79.9		
PVIOND 13:19 5:49 0 1.8 12.7 805	PVZIID	2/11/2	B.741	- 1						
Prior Violes 13:19 5:49 0 1.8 19.7 805	A.1.	. 1.5/			0	A 8	10 -	70 6		
MIOD 4/0/25 13:19 5:49 0 1.8 19.7 805	PV203D	2/19/25	8:37	-1.00	-65	0.8	11.7	17.0		
27:00 24:0155 13:19 5:19 0 1.8 19.7 805	1.00									
	B 170UD	2/20/25	13:19	-5.49	0	1.8	127	805		
	W CO-W	,,	<i>V</i>							
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SCS SIGNATURE: AMANDO	GANTINOZ	LEA SIGNATURE:	
CS SIGNATORE.			

ECHNICIAN:	D. Delgo	do	TEMPERA	TURE: 6	3 7-	BARO. PRE	SSURE: 2 E	,42	
M SERIAL#	G50608	34		WEATHER CONDITION		NS: SU	nny		
								PURGE	
PROBE			PRESSURE	0/ 6114	% CO2	8/ 03	% BAL	TIME (MIN)	COMMENTS
NUMBER	DATE	TIME	(+/-)	% CH4	% CU2	% 02	70 DAL	((()))(1)	(40000000000000000000000000000000000000
213									
A-13	3-18-25	6:49	0	6	1.2	20.6	78-2	2	
B-29	7.18-25			6	3	19.9	74.1	2	
C-45	3.18-25			0	1.4	20	78.6	3	
D-61	7.18.25	7:00	-0.03	0	2.2	20.2	77.6	4	
E-77	3.18.25			0	0.9	20-7	ઋકે. પ	4	
						-			
214 A-13	3.18.25	7:19	0	v	1.6	70.7	77.7	2	
B-30	2.18.25		0.02	0	1	20.9	78.1	2	
C-48	3 18.25		O	0	2.3	209	76.8	3	
						1			
215 A-13	3.18.25	7:23	01	U	4.6	11.9	83.5	2	
B-30	2.18.52	2.26	U	v	1.8	20.5		2	
C-47	3-18-25			U	1.9	70.4		3	
D-64	3.18.52	3.A.	03	0		20.8	78.7	4	
E-81	3-18-25		0	9	3	15.2	8.18	4	
E-01	5 18 03								
216						ļ			
A-14	3-18-25		O	0	1.6		779	2	
B-43	3.18.25	8:05	01	6	1.2		78.1	2	
C-62	3-18-25	8:09	10.0	6	2	70.3		3	
D-86	3.18.25	8:14	07	U	1.4		78.2	4	
E-110	3.13.25	8:18	0.01	0	2.1	18.7	79.2	4	
217				-					
A-13	3.18.25	a.cu	0.07	0	9.5	11.1	79.4	2	
B-30	3.18-25	3:56	0.07	0			81.7	2	
0-30	> 10 03	2.40							
218R					1	1115	me i		
A-11	3.18.25		-		0.2		85.1	2	
B-26.5	3.18.52				2.7		35	2	
B-30	7.18.25	9:16	0.03	U	0.6	19.2	80.Z	2	
219									
A-13	3.18.25	9:27	0.02	0	0.2	19.2	80.6	2	
9-64	3.18.25				0.1	20.9		2	
C-115	3.18.25				0.7		20.1	3	
D-166	3.18.55				0.3	_	85.8	4	
E-217	3.10 0	1.70	1		1	10		4	

SCS SIGNATURE:	58

						1 0	D/ 1	PURGE	COMMENTS
PROBE	DATE	TIME	PRESSURE (+/-)	% VOL CH4	% VOL CO2	% O2	% BAL	TIME	COMMENTS
NUMBER			(+)-)	CITY		02		(MIN)	
220									
	2 10.26	0.5	-0.02	0	1.4	19.3	79.3	2	
A-14	3.18.25				0.2	20.8	79.0	2	
B-40	3.18.25			0	6.2		79.2	3	
C-87	3.18.52		0.01	0	-	9.8			
D-124	3.18.25			6		20.7	79.0	4	
E-158	3.18.25	10:07	0.03	_0_	0.2	208	79.6	4	
	l								
220B									
A-14	3-18-25	10:44	0	G	2.5	17.7	79.8	2	
B-38	3.18.25		O	0	0.1	20.8	79.1	2	
	3.18.25		-0.01	0	4.4	16	29.6	3	
C-62				0	.2.5		79.4	4	
D-86	3.18.21		-0.02			17.4		4	
E-110	3.18.52	10:30	-0.01	0	2.5	17-4	80.1	4	
							-		
221									
A-13	3.18.25	11:08	0	v	Z	15.7	87.3	2	
B-56	2.18.22		-0.01	0	1.7	16.1	32.2	2	
C-99	3.18.25		-0.03	0	1.9	16.4	81.2	3	
D-142	3.18.25		v	0	0.1	19.9	80	4	
	3.18.25		-0.04	0	1.2	18	80.8	4	
E-185	31.0.72	11. 64	- 0.04	0	1.0	10	00.18		
					-	-			
222					-	-	7		
A-13	3.18.25		-0.03	0	6.1		79.3	2	
B-54.8	3.18.25	11:31	-0.07	0	0.1	70.4		2	
C-96.5	3.18.25	11:35	0.03	6	7.1	18.3	79.6	3	
D-138.3	3.18.25	11:40	0.02	0	6.8	14.1	79.1	4	
E-180	3.18-25			0	0.2	705	79.3	4	
L 100	-	1							
223	7.0		42.44		4.6	11.7	83.7	2	
A-13	7.13-25			0	5.2	104			
B-37.5	3.18.25			U				2	
C-62	3.18-52				1.1		803	3	
D-86.5	3.1825	12:07	0.01	6	25	16.3	81.5	4	
E-111	3.18.25	12:12	0	0	0.8	10.0	80.2	4	
77/									
224	3.18.25	12,21=		0	0.4	20.1	795	2	
A-13							79.2	2	
B-67.5	7.18.25			0	0.1				
C-122	3.18.52			0	0.1	70.7		3	
0-177.5	3.18.25	12:37	0.01	0	0.1		79.1	4	
E-232	3.18.25	12:42	-0.01	U	0.1	20.8	74.1	4	
		1							
	-	+				-	1		
		-		-	-	+	-		
			-			-	-		



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PROBE	DATE	TIME	PRESSURE	% VOL	% VOL	%	%	PURGE	COMMENTS
UMBER			(+/-)	CH4	CO2	02	BAL	TIME (MIN)	
			_					(IVIIIV)	
225	2 (4)	12.97	0	Ð	8.7	10-6	80.7	2	Ti and the second secon
A-13	3-19-25	12.27			1-2		80.2	2	
8-72	1-19-25	10.00	חטו	00			79.9		
C-1131	3-19-25	16:09	-, 05		0.1		74.8	3	
D-190	3-19-28	12.39	•01	8	0.2	20	80	4	
E-244	3-19-25	12:39	.02	0	0	20	80	4	
226				A .	^	20.1	79.9		
A-13	3-19-25	12.45	0	0	0.1	19.8	80	2	
B-64	7-19-25	12-78	10.	0			79.9	2	
C-114	3-19-25	12.52	Ď	0	6.1			3	
D-164				Ð	Ð		79.8	4	
E-208	3-14-25	1:2	01	Ð	0-1	20.1	79.8	4	
	100								
227				_	*	74 0	70 2		
A-13	3-19-25	1:04	04	Ð	D		79.8	2	-
B-48.7	3-14-25	1:09	01	0	Dil		79.9	2	
C-84 4	3-19-25	13	02			(7,7	79.9	3	
D-114	3-19-25	1:18	0	0	9		79.7	4	
-115.7	3-19-25	1-23	-02	Ð	0.7	70.1	79.7	4	
								-	
228					~ 77	10.2	00		
A-13	3-19.25			0	0.3	14.6		2	
B-63	3-19-25	1:32	.03	0.0	0.1	18.8	-	2	
C-113	3-19-25		.04	Ð	0		79.8	3	
D-163	3-19-25	1:41	00	6	9		79.7	4	
E-213	3-19-29	1:46	0	Ð	0.6	(4.5	79.9	4	<u> </u>
							-		
229						150	011.1		
A-13	3-19-25			0		15.0	84.1	2	
B-48.7	7-19-25	11:28	.03	0	0.1	18.8	81.1	2	
C-84.4	3-14.25	12:02	.02	000	6.8	14.2	87	3	
D-114	3-17-25	12:07	01	Ð	0.7	17.1	82.2	4	
-155.7	3-19-25	12:12	03	Ð	0.5	17.8	81.6	4	
					-				
230							-		Ser 2002
A-16							-	2	REMOVED DUE TO CONSTRUCTION
B-33						ļ	-	2	REMOVED DUE TO CONSTRUCTION
C-50							-	3	REMOVED DUE TO CONSTRUCTION
					-		-		
231							-		
A-13						-	-	2	REMOVED DUE TO CONSTRUCTION
B-26						-	1	2	REMOVED DUE TO CONSTRUCTION
C-39						ļ	-	3	REMOVED DUE TO CONSTRUCTION
D-51								4	REMOVED DUE TO CONSTRUCTION
E-66					1		1	4	REMOVED DUE TO CONSTRUCTION



PROBE									
	DATE	TIME	PRESSURE	% VOL CH4	% VOL CO2	% O2	% BAL	PURGE TIME	COMMENTS
NUMBER	1 1		(+/-)	CH4	CO2	02	DAL	(MIN)	
	-							(IAIIIA)	
241						_			
A-13	3-19.25 7-19-25 5-19-25 7-19-25 3-19-28	10:46	.02	Ð	0.1	20.3 20.2 20.1 20.3 20.2	79.7	2	
A-13	7-10-2-	19:44	0.1	Δ	61	7.b.7.	74.7	2.	
8-28	3-(4-12	(0.47		0000	0.1	570 1	70 /		
C-47	3-19-25	10:23	04	Θ	6. 3	20.1	14.6	3	
D-64	3-16-25	10.58	.02	b	6·1	20.3	79.6	4	
D-04	25	11.07	bt	Ă	01	247	74.G	4	
E-85	2-14-0	11.07	. • [0,1	20.6		4	
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ΙFΑ	SIGNATURE:	
	DIGITAL DIVE	

1.00		SURE:	ARO. PRES	В	JRE 64	TEMPERATU	200	D. Delga	CIAN;
		iny	SU	ONDITIONS:	EATHER CO	W	84	95060	ERIAL a
	PURGE							37	
COMMENTS	TIME					PRESSURE	F		ROBE
COMMENTS	(WIN)	% BAL	% OZ	% CO2	% CH4	(+/-)	TIME	DATE	IMBER
REMOVED DUE TO CONSTRUCTION									202
REMOVED DUE TO CONSTRUCTION	2							3	A-10
	2								8-25
REMOVED DUE TO CONSTRUCTION	3							1	C-38
1 (24)		201		- 0					203
	2			2.9		.02	7:28	3-19-25 7	A-10
	2			4.6	0	.02	7 31	3-19-25	8-25
	3	19	16.8	4.1	0	10.	7:35	3-19-28	C-40
		-G 1	-0 P						206
	2	181	11.6	16.3	0	Ð	3:16	-19-258	A-10
	2	16.8	9.0	14.2	Ð	-01	3:18	3-19-25 8	B-25
	3	126	4.7	26.7	0	07	8:22	3-19-28	C-40
									207
	2	80.5	19.1	0.6	0	02	1:29	3-19-25	A-10
	2	78-1	19.9	14	Ð	01	8:32	8-19-25	8-25
	3	78.7	19-8	1.4	0	05	7:36	3-19.25	C-40
VI		G# -							208
	2	80.2	15.6	4.2	Ð	D D	9.40	3-14-25	A-9.1
	2	86.5	74	12.3				3-19-35	8-25
	3	79,9	17.4	2.8	0	06	9:46	3-14-28	C-40
									210
	2		20.6		0	Ð	6:45	7-19-25	A-10
	2	79.1			#	0	6.47	3-19-25	B-25
	. 3	79.7	20.3	0.4	θ	61	6:50	3-19-25	C-39
									242
	3	79.6	19.1	1.3	0	03	6:59	3-19-25	C-42
	4	73.2	112	5.0	0	. 0	7:02	3-19-25	0.60
	4	80.6	128	3.7		7.0	7:06	3-19-25	E-78
									270
		<u> </u>							243
		87.2			8	01	7:46	3-19-25	A-11
		79. 2			0	1 02	7:44	3-19-25	8-20
	3	78.9	70.7	0.8	3			3-19-25	C-33
								1	(-33

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EALS	GMATURE_	

PROSE	DATE	TIME	PRESSURE	% VOL	% VOL	%	12.1	PURGE	COMMENTS
NUMBER			(+/-)	CH4	CO2	0.5	BAL	TOME	
	-					_	-	(MIM)	
244		21.00				10 7	8.0		
A-11	3-19.25	8,52	0	00		19.7		2	
B- <u>2</u> 1	3-19-35	8:54	.04	0			86.6	2	
C-36	3-19-2	8:58	01	Ð	16.7	8.7	74.8	3	
245									
A-11	321.25	6:56	1.08	0	13.4	3.0	83.5	2	
B-20	3.21.25	6:59	4.06	4.6	28.6	1.2	65.7	2	
C-35	3-21-25			1.4	23.7	0.5	24.4	3	
D-50	3.21.25		0	0.8	16.9	0	82.3	4	
E-64	2.21-25			0	0.3	195	30.2	4	
	3								
246									
A-9								2	REMOVED DUE TO CONSTRUCTION
								2	REMOVED DUE TO CONSTRUCTION
8-16									
2055									
205R	20:00	2110	4.19	O	4.4	3.8	88.8	2	
A-11	3.21.25			0	15.6		83.6	2	
B-20		8:36							
C-33	3-21-25			1.9			54.9	3	
D-48	3.21.25			2.7	46.3		51.0	4	
2-62	3.21.25	8:51	18	0	16.8	0.5	827	4	
					-				
239					- 0	4 4			
	3-19-25			9			70.2		
	7-19-25				0.1		74.8	2	
	7-19-25			0	0.2	20.3	74.6	3	
	3-14-25			0		40.7	79.5	4	
E-64	3-14-35	10.74	02	v	0.1	203	79.4	4	4 - 11 - 12 - 11 - 12 - 11 - 12 - 12 - 1
240									
	3-19-25			ð	11.1	4.3	82.7	2	
	2-19-25			Ð	0.6	20	79.4	2	
C-33	1-19-35	10:29	Ð	0.2	0.2	20.3	79.3	3	
D-49	3 -19-25	W:33	07	θ		20.3	79,5	4	
E-61	3-19-25	10:3	Ð	*	0.1	20.7	79.6	4	
						1	1	4	

SCS SINGNATUS CLASS

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TECHNICIAN:	D. Delg 6506	ado	TEMPERA	TURE: 6	r·F	BARO. PRI	SSURE: Z	1.25"	Hy
SEM SERIAL#:	6506	084		WEATHER	CONDITION	IS: S .	my	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	-
PROBE NUMBER	DATE	TIME	PRESSURE (+/-)	56 CH4	% CO2	% 02	% BAL	PURGE TIME (MIN)	COMMENTS
202R A B	3-19. 25 3-19-25 3-19-28	8:02 F:04	0	0	4.5	17.0	78.5 79.5	2 2	
C D	3-14-25	8:0 t	01	Ð	1.1	70.5	78.4	3	
									C. C
	-								



PROBE	DATE	TIME	PRESSURE	% VOL	% VOL	%	%	PURGE	COMMENTS
NUMBER	57112	,	(+/-)	CH4	CO2	02	BAL	TIME	
						.	20.0	(MIN)	
PV 2080	3.21.25	8:45	-13.37	0	0.2	20.9	78.4		
PV 204D	3.21.25	9:08	-5.32	0	1.6	19.3	79.1		
PV ZUD	3.21.25	8:55	-4.94	0	7.6	18.3	79.1		
-24 6									
-									
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	02
SCS SIGNATURE:_	

LEA SIGNATURE:	
EE, (SIGH)	

TECHNICIAN:	ARono		TEMPERA	TURE:	5	BARO. PRI	ESSURE: 28	80.5	
SEM SERIAL#:	65040	52	WEATHER CONDITION			vs: clo	UDY		
PROBE NUMBER	DATE	TIME	PRESSURE (+/-)	% CH4	% CO2	% 02	% BAL	PURGE TIME (MIN)	COMMENTS
P-213	_d								
A-13	6.24.25	OZF	20%	Ø	26	20.8	38 f	2	
B-29	6.24.25	754	.07	0	. (20.9	39.0	2	
C-45	6.24.25	JS6.	33	0	. l	20.9	79.0	3	
D-61	6.24.25	P2F.	2.41	0	. 1	20.8	79.1	4	
E-77	6.24.25	803	15.83	Ø	.1	20.9	6.09	4	
P-214					2	111.5	20.0		
A-13	6.24.25	812	101	0	7.0	14.3	78.9	2	
B-30	6.24.25	8(7.	11.63	0	21	20.9	79.0	2	
C-48	6.24.25	8(9 -	11.31	@	1.6	19.6	8.8F	3	
P-215	1 -1/ 16		. 64	<i>a</i> 0	C.G	9.8	C1/2		
A-13	6.24.25	829	, 08 . 08	(O)	5.9	70 G	84.3	2	
B-30	6.24.25	871	- OX	0	νl	20.9	79.0	2	
C-47	6.24.25	855	.08 .08	0	<i>V</i>	2100	26.0	3	
D-64	6-24-25			80	12		P.8F	4	
E-81	6-24-25	840	.10	99	4.1	13.4	82.5	4	
P-216									
A-14	6.54.25	523	.07	0	1.1	20.9	79.0	2	
B-43	6.24.25	XX9	50.	Ø	11	21.0	78.9	2	
C-62	6.24.25	901.	35	Ø	.	21.0	78,9	3	
D-86	6.24.25	904	.06	Ø	, 1	21.0	78.9	4	
E-110	6.24.25	908	:11	Ø	1.5	21.0	78.9 78.9 78.8	4	
P-217									
A-13	6.24.25	926	-107	₫>	6.7	14.8	78.5	2	
B-30	124.25	929	.05	8	3.4	14.8	78.5	2	
P-218R									
A-11	6.24.25	11:10	.03	0	0.1		80.0	2	
B-26.5	6.24.25		0.12	1.1	0.3	19.8	78.9	2	
B-30	6.24.25			0.0	0.0	70.1	79.8	2	
P-219									
A-13	6 24.25	949	.08	Ø	12	19.5	80.3	2	
B-64	6.24.25	129	.14	Ø	, [20.6	79.3	2	
C-115	6.24.25	953	Y 5.5	Ø	.3	F.71	84.0	3	
D-166	6.24.25	926	.13	0	2.0	13.2	81.8	4	
	M 350	8 SE						4	



LEA SIGNATURE_	

DPORE	DATE	TIME	DDECCHBE	9/ 1/01	9/ V/OI	0/	0/	PURGE	COMMENTS
PROBE NUMBER	DATE	HIVIE	PRESSURE (+/-)	% VOL CH4	% VOL CO2	% O2	% BAL	TIME	COIMINEMI2
			111					(MIN)	
P-220									
A-14	6/24/25	8:38	03	.0	0.2	20.9	78.9	2	
B-40	6/24/25					20.9		2	
C-87	6/24/25	8:45	09	0	0.8	20.2	78.9	3	
D-124	6/24/25	0.44	28		0.3	20.8	76.0	4	
					0-1	20.9	79.0		
E-158	6/24/25	8.37	02	, Les	0 +1	20.1	19.0	4	
				<u> </u>					
P-220B	1 (,	
A-14	6/24/25	3:08	-104	æ	2.3	18.7		2	
B-38	6/24/25 6/24/25	8:10	- 106	D	0-2	20.7	79.1	2	
C-62	6124/25	8:14	13	D	4.2	16.2	79.7	3	
D-86	6/24/25	x:18	15	8	2.6	18.5		4	
E-110	6/24/25	8:27	09	Ð	3.0	17.4	79.5	- 4	
	101/64					/			
P-221									
	ilaular	0.21	61/	0	200	18-6	79.4		
A-13	1. 124/25	7.06	- 104	0-				2	
B-56	6/24/25				0.5	2001		2	
C-99	6/24/25		-105	0		184		3	
D-142	6/24/25	9:24	- 04		0-1	20.9	79.0	4	
E-185	6/24/25	9;28	-103	.0	0-1	20-9	79.0	4	
	en.	100					~		
P-222									
A-13	6/24/25	9:39	05	D	3.9	17.5	78.5	2	
B-54.8	6/24/25	9:42	-02	0-	0-1	20-8		2	
C-96.5	6.124105	9.45	03	6	0.8	20-1	79.1	3	
D-138.3	6/24/25	0:40	25	100	5.6	16.0	78.4	4	
	6/24/25	9:07	- 203	0.5	7.5	0-5	91.5		
E-180	0/24/23	7.53	7-01	043	123	0.0	11-2	4	
		-							
P-223	Classil	16 %				0 9	- /		
A-13	6/24/25	10.18	~-05	0	7.5	9-8	82.6	2	
B-37.5	6/24/25	10:21	01	.G-	7.5	10.1	82.4	2	
C-62	6/24/25	18:24	-205	æ	2.7	16.0	81.3	3	
D-86.5	6/24/25	10:28	04	8	3-4	15.8	80.8	4	
E-111	6/24/25	18:32	-105	Ð	2.1	17-3	80.5	4	
	, ,,-,-	0)							
P-224									
A-13	6/24/25	10:55	03	-D	0-8	20.2	79.1	2	
B-67.5	1/24/2	18:50	85	سهو		20.6		2	
0-07.5	6/47/25	11500	50	or or	5.7	20-6	70.2		
C-122	6/24/25	11.00	-,UL	0-				3	
D-177.5	6/24/25	11.04	-13.69	15	0-1		79.3	4	
E-232	6/24/25 6/24/25 6/24/25 6/24/25	11:08	- 3.68	0	0.0	20.6	79.4	4	
	- "								
		· · · · ·							

SCS SINGNATURE:_	ALTANEO MARTIEZ	LEA SIGNATURE:	

PROBE	DATE	TIME	PRESSURE	% VOL	% VOL	%	%	PURGE TIME	COMMENTS
NUMBER			(+/-)	CH4	CO2	02	BAL	(MIN)	
P-225									
A-13	6/24/25	9:31	-0.57	0	11.3	9.2	79.5	2	
B-72	6/24/25		2.43	0	3.8	16.7		2	
C-1131	6/24/25		-10,17	0	14.1		79.1	3	
D-190	6/24/25		-10.14	0	0.3	20.4		4	
E-244		9:54	-0,32	0	0,1	10.6	_	4	
	, , , ,								
P-226									
A-13	6/24/25	9:15	0.06	0	0.1	20.9	19.0	2	
B-64	6/24/25		-9.32	0	0.1	10.9	79.0	2	
C-114	6/24/25	7:22	-9.29	0	0.1	10.9	79.0	3	
D-164	6/24/25		-9.83	o	0.1	10.1	79.0	4	
E-208	6/24/25		-10.47	0	0.1		79.1	4	
L-200	9/47/4			_		1200			
P-227					1				
A-13	6/24/25	8:45	0,04	0	1.0	20.0	79.1	2	
B-48.7	6/24/25			0	1.1		78.8	2	
C-84.4	6/27/25	6:50	-0.48	0	1,2	19.5		3	
D-114	6/27/28	8:50	-1.88	v	0.9	20,1	79.0	4	
	6/24/25	9:00	-0,32	0	0.8	20.0	79.2	4	
E-115.7	6/24/25	7.00	-0116		1.0	20,0		4	
D 220									
P-228	6/24/25	9.11	0.06	0	013	20.7	79.0	2	
A-13	6/24/25	0.15	-1.91	0	6.7	4.4	88.9	2	
B-63	6/24/25	9.74		0	0.1	20.6		3	
C-113	6/24/25	8. 19	0.02	0	1.3	20,8		4	
D-163	6/24/25		-1.31	0	0.6	20.9	-	4	
E-213	6/24/21	0-17	-7.31		0.8	2001	1013	4	
P-229	6/24/25	フソノつ	-A AG	0	0.1	20.8	79.1	,	
A-13				0	0.1	20.9	74.1	2	
B-48.7	6/24/25					19.3		2	
C-84.4	6/24/25	7.56	-7.05	^	0.1	20.7		3	
D-114	6/24/25	0:10	70.66				79.3	4	
E-155.7	6/24/25	8.75	-0.21	٥	0-5	CU. C	(4.)	4	
P-241	11. 1.		7			ma -	20 -		
A-13	6/24/25			0	0		79.5	2	
B-28	6/24/25			0	0	20.5		2	
C-47	6/24/25			Ð	0.1	20.4		3	
D-64	6/24/25			0	0.1	20.2		4	
E-85	0/24/3	10:49	0.29	0	0	20.2	79.7	4	
				<u> </u>					



LEA SIGNATURE:	

TECHNICIAN:	Danis	М	TEMPERA	ATURE:	0	BARO. PR	ESSURE:		
	EM SERIAL #: 650(2081 WEATHER CONDITION					-			
							1		
PROBE NUMBER	DATE	TIME	PRESSURE (+/-)	% CH4	% CO2	% O2	% BAL	PURGE TIME (MIN)	COMMENTS
P-240									
A-11	6/25	11:00	0.24	0.0	13.3	5.6	81.0	2	
B-20	6/25	1:52	0.10	0.0	0.1	299	79.2	2	
C-33	6/25	11:21	1008	0.0	0.9	20.9	79.1	3	
D-49	6/25	11:23	0.12	0.0	0.4	20.4	79.2 79.4	4	
E-61	6/25	11:26	0.17	0.0	0.2	20.4	79.4	4	
P-239									
A-11		9.38	0.15	0.0	22.9	8.9	68.2	2	
B-20	6/25	9:41	-1.81	0.0	0.1		79.4	2	
C-35	6/25	9:46	0.14	0.0	0.0	20.8	79.2	3	
D-50	6/25	4:53	0.15	0.0	0.1	209	79.0	4	
E-64	6/25	10:55	0.26	0.0	0.1	20.9	79.0	4	
P-210									
A-10	6 25	9:13	9.44	0.0 0.0	0.3	20.7	79.1	2	
B-25	6/25	9:18	9.74		0.2	20.4	79.4	2	
C-39	6/25	9:22	0.17	0.0	0.1	20.3	79.5	3	
P-242									
C-42	6/25	7:54	0.26 -1.64 0.13	0.0	2.0	18.1	79.9	3	
D-60	6/25	7:59	-1.64	0.0	8.0	6.4	85.6	4	
E-78	6/25	8:06	0.13	0.0	3.8	14.8	81.4	4	
P-244	12								
A-11	6/25	8:35	0.05	0.0	14.5	0.8	84.6	2	
B-21	6/25	8:39	0.17	0.0	18.7	0.2	81.2	2	
C-36	625	8:47	-0.04	0.0	20.8	4.6	74.5	3	

CS SIGNATURE:	LEA SIGNATURE

PROBE	DATE	TIME	PRESSURE	% VOL	% VOL	%	%	PURGE	COMMENTS
NUMBER	DATE	THVIE	(+/-)	CH4	CO2	02	BAL	TIME	COMMENTS
HOWIDER			(.,,	U	002			(MIN)	
P-205R	(locks	7.011	, 01	_	1.0	94-5-	700		
A-11	6/26/25	1:29	+-21	0		15.5			
B-20	6/26/25 6/26/25 6/26/25 6/26/25	7:27	24	2.1	7.8			2	
C-33	6/16/25	7:32	30	2.1	47.4	0.0	50.5	3	
D-48	6/21/25	7 . 37	72	3.5	49.9		46.6	4	
	1/11/10	7:02	1 41	.0-	16.8	1.3	81.9	4	
E-62	6/26/25	1.75	-1:71		15.0	1.5	01/	-4	
				-					
P-243	1/01/25	IANUC	- 20	<u> </u>	11.8	0.2	88.0	2	
A-11	6/26/25	10:00	5.04	.0-	2.5		84.4	2	
B-20	(126/25	10.17	124	0	20	12 0	84.1		
C-33	6/26/25	10:50	82	6	2.4	13.5	874	3	
P-245	6/26/25	8,70	-10	جم	14.6	5.2	80-3	2	
A-11	6/26/25	D.VD	- 10	5.1	21.0	0.0	64.4	2	
B-20	6/26/25	0:10	108	11	24 (-	2.1	73.7		
C-35	6/26/27	8.12	08	1.6	24.0	A 7		3	
D-50	6/26/25	8 16	-9.31	1.1	23.7	0.8	73.6	4	
E-64	6/26/25	8:20	06	0	0-6	20.3	79.2	4	
P-203					12.0	1 5 4	- A -		
A-10	7/2/25 7/2/25 7/2/25	7:54	+.01	-0-	3.0	18:0	14.0	2	
B-25	7/2/25	7:57	02	0	5-0	15.8	79.2	2	
C-40	7/2/25	10:8	0.0	0	3.7	16.1	80.3	3	
	77								
P-202R	6/26/25	- 0							
	6/46/ac	9.43	-107	- Fay-	9.7	0.5	89.9	2	
A	6/26/25	0 111	75	&	0.4	19.3	80.3		
B	6/26 /25	7 46	- //3	16	04		03/	2	
C	6/26/25	7:49	+1,09	18	2.3	0.0	97.6	3	
VADOSE									
ZONE	-								
	011								
PV203D	6/26/25	0	10:21	0	0.2	20.2	79.6		
	1.,								
PV204D	6/27/25	OB.01	-6.71	0	1.1	19.7	79.5		
	P 1 A				A 4		764		
PV211D	6/24/25	+002	10:02	12	0.2	20.0	17.9		
					-				
							-		
					-				
	-								

100701	_	1000				-				
2 /						250				
1										
				1	•					
SCS SIG	SNATUR	Е: <i>Ам</i> .	ANDO	Mari	12/12		LEA	SIGNATUR	E:	

PROBE NUMBER	DATE	TIME	PRESSURE (+/-)	% VOL CH4	% VOL CO2	% O2	% BAL	PURGE TIME (MIN)	COMMENTS
P-208 A-9.1 B-25 C-40	6-26-28	形り 36.	.08	000	, [7.0 1.4	20.8 14.6 19.3	79.1 78.9 79.3	2 2 3	
P-207	(·K·25 6·K·25		.12	Ø Ø	12	100	79.2 79.1 91.1	2 2	
P-206	6.U.25 6.U.25 6.U.25		49 09 42		11.3 13.6 18.9			2 2	
C-40 (Zis	157	.14	0	18.9	3.5	7.6	3	
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							- 40		
								¥.	

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SCS SINGNATURE:	10

LEA	SIGNATU	RE:			

TECHNICIAN: ACBRICT ROME		TEMPERATURE: 72			BARO. PRESSURE: 28.24				
EM SERIAL#:	65040	53		WEATHER	CONDITION	ıs: <u>S</u> c	mny		
PROBE NUMBER	DATE	TIME	PRESSURE (+/-)	% CH4	% CO2	% O2	% BAL	PURGE TIME (MIN)	COMMENTS
P-213									
	5.27.25	7:4u	32	0	.3	70.2	79.5	2	
	5.27.25			0	٠t		70.2	2	
C-45	5.27.25	1.00		0	•f	20.7	79.2	3	
D-61	5.27.25	7:51	36	0	ji (20.7	79.3	4	
E-77	5.27.25	7:55	-18.29	0	•1	20.7	29.3	4	
P-214									
A-13	5.27.25			0		20.7		2	
B-30	8.27.25				+1		3.96	2	
C-48	5.27.25	8:10	-9.09	0	2.1	19.1	78.8	3	
P-215									
A-13	5.27.25	829	34	0	6.4	7.3		2	
B-30	5.27.25			0	-1	20.7		2	
C-47	5.27.25			0	-1	20.7		3	
D-64	22.52.3			0	3.9		83.3	4	
E-81	5.27.25	8:40	27	0		20.8	79.1	4	
P-216									
A-14	5.27.25	8:54	29	0	-1	70.8	79.1	. 2	
B-43	5.77.25			0	. 1	20.8	79.1	2	
C-62	5.27.25	8:58	29	0	4.1	70.9	79.0	3	
D-86	9.27.25		54	0	-1	20.9	79.0	4	
E-110	5.27.25	9:05	27	0	-1	19.9	79.0	4	
P-217									
A-13	5.2725	9:21	27	0	7.0	13.7	79.3	2	
B-30	5.29.25	10:55	12	0		17.3		2	
P-218R									
A-11	5.28.25	10:46	-07	0.4	0.4	17.4	81.8	2	
B-26.5	5.28.25				0.4		78.7		
B-30	5.28.25	10:52	0.57	0.3	0	20-2	79.5	2	
P-219									
A-13	8-27-25			0	ા	19.3		2	
B-64	5-27-25			0	-1	70.5	79.4	2	
C-115	5.27.25			0	.5		87.3		
D-166	5.27.25	10:39	24	0	6.1	4.9	890	4	
	1							4	



PROBE	DATE	TIME	PRESSURE	% VOL	% VOL	%	%	PURGE	COMMENTS
UMBER	DATE	TIME	(+/-)	CH4	CO2	02	BAL	TIME	COMMENTS
01110211			, , ,					(MIN)	
P-220									
A-14	5.29.25	8:31	-0.03	0.1	0.5	20.1	79.3	2	
B-40	5.29.25		02	0	0.1	20.4	79.5	2	
C-87	5.29.25		0.01	٥	1	4.3	79.7	3	
D-124	5.29.25		0.03	0	0.3	20.2	79.5	4	
E-158	5.29.25		35	0	0.1	205	79.4	4	
E-130	2.2(.2)	B(8	53		0.1	20.0			
-220B		0.011		_	5.5		20.2	2	
A-14	52a.25		-0.01	0	2.7	17.6	79.7	2	
B-38	5.29.25	8:57	-0.01	6	3	16.5	80.2	2	
C-62	5.29.25	4:00	-0.06	0	8.7	7.9	83.4	3	
D-86	5.29.25	9:05	0.55	0	2.8	१२.५	79.8	4	
E-110	2.54.52	9:10	. 06	٥	2.9	13.1	ලිර	4	
P-221									
A-13	5.24.25	9:1	0.43	0	2.8	ાપૃત્ય	82.8	2	
B-56	5.29.25		02	0	9.5	0	905	2	
C-99	5.29.25		.08	0	10.5	0.1	89.4	3	
D-142	5.29.25		1.1	υ	2.4	145	83.1	4	
E-185	5.29.25		0.44	b	4.1	9.3	86.6	4	
E-103	2.0(.0)	-1.53	01-1			1.5	60.4		
									n n
P-222		0110		_	6	13.8	80·2	2	
A-13	5.29.25		06	0					
3-54-8	6.29.25		35	0	5.8	14.2	80	2	
C-96.5	5.29.25		80.0	0	1.6	17.6	80.6	3	
-138.3	5.29.25		0.01	0	7.7	12.6	797	4	
E-180	6.29.25	10:00	1.31	0.3	3.7	6.9	89.1	4	
P-223	5.29.25		0.01	•					
A-13	5.29.25		0.01	0	7.4	11.5	81.1	2	
3-37.5	5.29.25	8:46	0.02	0	12.1	3.6	84.3	2	
C-62	5.29.25	834	0.08	0	10.0	3.4	86.6	3	
D-86.5	5.29.25	858	0.04	0		15.8	80.9	4	
E-111	5.29.25	9:05	0.03	0	2.2	17.0	80.8	4	
P-224	5.29.25								
	5.29.25	9.44	0.0	0	1.3	17.8	80.9	2	
A-13	5 24 25	a ua			0.1	19.4		2	
3-67.5	5.24.25	a,c.L	-0.13	0		19.5			
C-122	5.29.25	7:20	-0.17	0	0.1			3	
-177.5	5.29.25			0	0.1			4	
E-232	5.24.25	10:04	-8.81	0	0.1	19.7	80.2	4	
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SCS SINGNATURE:	55

LEA	SIGNATURE:	

PROBE NUMBER	DATE	TIME	PRESSURE (+/-)	% VOL CH4	% VOL CO2	% O2	% BAL	PURGE TIME (MIN)	COMMENTS
P-225					^ -	1 - 1			
A-13	5/28/25		-0-07	0	0.9		79.6	2	
B-72		6:38		0	0.9	19.5	79.6	. 2	
C-1131			-6.81	0	1.0		79.6	3	
D-190	5/28/25			0	0.9		79.4	4	
E-244	5/28/25	6:52	0.06	0	0.4	20.9	78.7	4	
									*
P-226	=1.1.1	-7.10	0.30	- (2)	1.0	19 1	79.4	2	
A-13	5/28/25	7:10		0	5.5	19,6	85.6	2	
B-64	5/28/25	7:13	0.09	0				2	
C-114	5/20/25		0.31	0	0.6	20.6	78.8 83.2	3	
D-164	5/25/25		0.37	0	1.6	15.1		4	
E-208	5/28/25	1126	0.34	0	1.4	19.4	79.2	4	
P-227									
A-13	5/28/25	7:37	0,33	0	6.4	19.1	74,4	2	
B-48.7	5/28/25	7:40	-1.84	0	0.1	19.5	80.4	2	
C-84.4	5/28/25			0	5.0	7.4	87.6	3	
D-114	5/20/25			0	3.5	5.3	91.1	4	
E-115.7	5/20/25	7:53	0,32	0	1.0	19.5	79.5	4	
L-115.7	1/20/04	1100	01-6			. /. /	7 7,5		
P-228									
A-13	5/28/25	8:04	-3,05	0	0,1	20,9	79.0	2	
B-63	5/28/25			0	0.1	209	79.0	2	
C-113	5/20/25	8:10	-3,99	0	0,1	20.9	79.0	3	
D-163	5/25/25		-798	0	0.1	20-9	79.0	4	
E-213	5/28/25	8:20	-2,92	0	0.1	20.9	79.0	4	
P-229									
A-13	5/28/25	8:26	0.32	0.5	16,7	4.0	78.8	2	
B-48,7	5/24/25	8:29	-1.38	6	0.1	20.6	79.3	2	
C-84.4	5/28/25	8:33	-7.87	D		204		3	
D-114	5/20/25					20.6		4	
E-155.7	5/26/25	8:42	-7,29	0	0.(Ze.8	79./	4	
P-241			L			0	20 :		
A-13	5.29.25			0	0.1	20.8		2	
B-28	5.29.25			0	0.1		79.2	2	
C-47	5.29.25			0	0.1		79.3	3	
D-64	5.29.25				0.3		79.3	4	
E-85	5.29.25	10:57	14.86	0	0	20.5	39.5	4	
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SCS SIGNATURE:	

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TECHNICIAN: STUAPTS.		TEMPERA	TURE: 3	8	BARO. PRI	ESSURE:			
GEM SERIAL #: 6505464			WEATHER	CONDITION	vs: Sunny				
PROBE NUMBER	DATE	TIME	PRESSURE (+/-)	% CH4	% CO2	% 02	% BAL	PURGE TIME (MIN)	COMMENTS
P-240									
	8.27.25	17:01	.03	O	16.7	1.8	81.5	2	
	6.27.25			0	0.4		78.8	2	
	5.27.25			0	U	20.7	79.3	3	
D-49	5-27.25	12:12	0.11	0	0.1	20.9	79	4	
E-61	5.27.25	15.17	32	0	0	20.7	39.3	4	
P-239									
	5.27.25	11.26	15.41	v	24.2	8.9	66.9	2	
B-20	5.27.25			υ		20.6	79.4	2	
C-35	5.77.25			v	0	20.8		3	
D-50	5.27.25			O	0	20.8	79.2	4	
E-64	5.27.25		. 07	0	0.1	20.8	79.1	4	
P-210									
	5.23.25	11:23	24	O	O	20.1	79.9	2	
	5.27.25			v	0	20	80	2	
C-39	5.22.25				0	19.9	80.1	3	
							1		
P-242	Nan	a . D.			. 14	10.5	0. 1		
	5.27.25			0	1.4	13.5	86.6	3	
	5.27.25			0	7.5	5.9		4	
E-78	\$.24.01	4:30	0.12		2.7	14.5	02.0	4	
P-244									
A-11	5.27.25	10:03	.04	0	w.3	0.5	85.Z	2	
	5.22-25			0	20.3	0.1	79.6	2	
C-36	5.27.25	10:10	. ₽ 7	0	4.1	10.3	78	3	
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					-				
				,					

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SCS SIGNATURE:	80

LEA SIGNATURE	
LEA SIGNATORE	

		714.45	POPECUIPE	% VOL	% VOL	%	%	PURGE	COMMENTS
PROBE NUMBÉR	DATE	TIME	PRESSURE (+/-)	% VOL	CO2	02	BAL	TIME	COMMENTS
MOMBER			(17.7	Cris	COZ	0.	57.12	(MIN)	
P-208			. 4	-			200		
	5.27.25			0	O. Z	19.9	29.9		
B-25	5.27.25	11:07	0.12	0	14.4	5.8	79.8	2	
C-40	5.27.25	$\mu_{\rm GH}$	01	0	2	17.7	80.3	3	
	3 21								
P-207	+ 1								
	a) == ad					2- 2	2011	2	
	8.58.12				0.2	20.3	79.4	2	
	5.28.25						79.2		
C-40	5.28.25	10:18	-1.03	0	0.2	20.6	79.2	3	
P-206									
A-10	5.27.25	10:23	.09	0	10.5	10.2	79.3	2	
B-25	5.27.25	10:26	1.04	0	12.9	7.9	79.2	2	
C-40	5-27-25			0	20	4.8	75.2	3	
C 40	1 01 01					1			
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DRODE	DATE	TINAT	DDECCUDE	0/ 1/01	0/ 1/01	0/	0/	DUDGE	CONANAENTC
PROBE NUMBER	DATE	TIME	PRESSURE (+/-)	% VOL CH4	% VOL CO2	% O2	% BAL	PURGE TIME	COMMENTS
NOWBER			(.,,	CIT	COL	02	5712	(MIN)	
D 205D									
P-205R	10/20/20	· · · · · · · · · · · · · · · · · · ·	472			10 1	-70 T		
A-11	5/29/25		800-	-0-	7.7	12.5			
B-20	5/29/25	7:56	42	0	16-5	100	82.5	2	
C-33	5/29/25	8:02	-2.59	1.5	45.8	0.0	52.7	3	
D-48	5/29/25	8:09	29	3.5	49.0	0.0	47.5	4	
E-62	5/29/95	8:44	-1.43	0	1.3.2	6.8	800	4	
L 02	0 1.0 1130	0 1		~	100		0 - 10		
P-243		0	1 011		<i>in</i> =	A 0			-
A-11	5/29/25	9:51	+-04	0.1	10.5	0.9	88.5	2	
B-20	5/29/25	9:55	-125	Ð	1.5		81.6	2	
C-33	5/29/25	9:58	t.10	0	1.5	16.7	81-8	3	
	1 7	Ĉ							
P-245									
	5/29/25	8:31	16	0	14.2	4.2	81.6	3	
A-11	2/27/23	10.0	- 10	ساء	17.6	1-2	111 0	2	
B-20	5/29/25	0.34	05	5.5	29.6	0.0	64.8	2	
C-35	5/29/25	8:40	01	1.6	22.8	1.5	74.1	3	
D-50	5/29/2	-8:45	05	0.7	13.8		81.7	4	
E-64	5/29/25	8:49	+.02	0	0.4	20.8	78.8	4	
	///								
P-203									
	5/10/05	9.12	t-02	.0-	2.3	18-8	78.9	_	
A-10	5/29/25	0:12	03		233			2	
B-25	5/29/25	9.13		.0	3.7	17.1	79.2	2	
C-40	5/29/25	9:16	+1.03	.0	3.1	17.2	79-7	3	
	5								
P-202R									
Α	5/29/25	9:35	4.06	0	9.2	0.2	90.6	2	
В	5/29/15	9:38	4.08	0	0.3	19.6	80.0	2	
С	5/29/25	9:41	+2.20	0	2.3	0-0	97.7	3	
	2/2/12	1.1	12.20		2.5	0.0	11.1	3	
			-						
VADOSE									
ZONE									
PV203D	5-29-25	10:09	-12.95	8	0.4	20.2	794		
		- 1	15						
01/20:2	- 20 ar	10000	- O11	n ! !		70.0	70.0		
PV204D	2.58.52	10:06	-2.84	0.4	0.2	20.6	78.8		
PV211D	5.28.25	10:35	-0.08	0	0.1	20.3	79.6		
							MC		
			-						
	-								

SCS SIGNATURE: AMANDO HAETWOZ	LEA SIGNATURE:

ECHNICIAN: BUC Charz TEMPER		ATURE: 58° BARO, PRESSURE: 27.97							
M SERIAL #	: 45039	25		WEATHER	CONDITION	vs: 50	nny		
								PURGE	
PROBE			PRESSURE					TIME	
NUMBER	DATE	TIME	(+/-)	% CH4	% CO2	% 02	% BAL	(MIN)	COMMENTS
213									
A-13	4-25-25	1236	-12	Ø	_1	20-8	79.1	2	
B-29	4-25-25	1238	-08	0	.5	19.5	80-0	2	
C-45	4-25.25	1240	-08	8	,[20.9	29.0	3	
D-61	425.10	1,47	379	87	-1		79.0	4	
	4.25.25	12 47.	19 4	0		21.0	78.9	4	
E-77	(-235)	161	LIBE	~			-		
214	1120 20	1250	-a	a -	2.	24 C	JC C	_	
A-13	4.68.45	1637	N.	7	- "-	20.9	78.	2	
B-30	4.28.25	1378 -	# 10.14	_ \b' _		12 ~	79.0	2	
C-48	4.25.25.	-1500	1.35	10	3.0	(7.9°	767	3	
	1		Y"" L			-			
215					11. 6	11.5	C- N		
A-13	4-8-15	1335	44	0	4.9	11.3	83.8	2	
B-30	4.25.25	1337	ll	Ø	-l	20.7	79.2	2	
C-47	4.25.25	1341	209	Ø	-1	20.7	79.2	3	
D-64	4.25.25	1344	-14	6	.8	19.2	0-02	4	
E-81	4.25.25	1348	.01	0	3.4	13.9	82.7	4	
L-01	(us c)	Colo	101		1	-	-		
246	1								
216	4.25.15	1401	.08	0	.1	20-8	3C1 1	2	
A-14	4.25.25			0	1	21.0	100	2	
B-43						21.0	FC 9		
C-62	4.25.25	1105	.14	6	- 1	209	79 0	3	
D-86	4.25.15	1408	-08	0		20.8	79.0	4	
E-110	4.25.25	1117	-08	Ø	.2	20.8	71.0	4	
					-				
217						-	-		
A-13	4.30.25		0	0	7.1		80.6	2	
B-30	4.30.25	3:01	10.0	0	4.1	15.9	80	2	
218R									
A-11	4.30.25	4:55	-0.04	0.4	1.7	19.8	78.1	2	
B-26.5	4.30.25				0.1	20.4	78.6	2	
B-30	4.30.25			0.9	0.1	20.3	78.7	2	
	1								
219									
	4/25/25	11:80	-0.00	0.1	0.1	19.3	80.4	2	
A-13	4/25/21	12 '08	0.00	0 1	0.0		79.0	2	
B-64	4/25/25				5.9	3.8	90.2		
C-115	4/25/25							3	
D-166	4/25/25	1.04	-0.07	0.1	0.5	11.0	88-4	4	
E-217								4	

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SCS SIGNATURE:	

FA SIGNATURE			
FA SKINATURE			

			Lanessupe I	2/ 1/01	W 1101	D/ 1	%	PURGE	COMMENTS
PROBE	DATE	TIME	PRESSURE (+/-)	% VOL CH4	% VOL CO2	% O2	BAL	TIME	33
NUMBER			(*/-/	2114				(MIN)	
220									
A-14	4/25/25	6:54	-0.04	0.3	1.5	20.0	78.2	2	
B-40	4/25/20	7:02	-0.04	0.2	0.1		78.8	2	
C-87	4/25/25		-0.06	0.3	101	19.9		3	
	4/25/25						78.1	4	
D-124			-0.07	0.2	_		78.3	4	
E-158	4/25/25	1.66	-0.02	0.0	-	0			
	-								
220B	11/1/	7.07	0.02	0.3	26	10 4	715	2	
A-14	4/25/25					18.4		2	
B-38	4/25/25		-0.08			16.0		2	
C-62	4/25/25	7:34		0.3		6.4		3	
D-86	4/25/25		0.56	0.2		18.4		4	
E-110	4/28/25	7:44	0.52	0.3	3.0	18.0	78.8	4	
	3								
221									
A-13	4/25/25	7:54	-0.55	0.2	3.4		83.2	2	
B-56	4/25/25		0.02	0.2	7.0	5.9	96.9	2	
C-99	4/25/25		-1.44		3.4	14.1	82.2	3	
D-142	4/25/25			0.2	3.3	17.6	78.9	4	
E-185	4/25/25	8:10	-1.11	0.2	4.4	10.2	85. Z	4	
E-102	1/23/25	0.70	1	U . L	-				
222	111.1.	611-	0.11		0 -	14.4	7 9	2	
A-13	4/25/25		004			16.3		2	
9-54.8	4/25/25		0.06	0.2					
C-96.5	4/25/25		0.07	0.2	2.7	19.5	71.6	4	
D-138.3	4/25/25		-6.20						
E-180	4/25/25	8:35	1.80	0.2	8.2	15.7	76.0	4	
223					-			-	
A-13	4/25/25	8:51	0.05		6.7	1	801	2	
B-37.5	4/25/25	8:54	0.00	0.2	9.6	6.3	83.8	2	
C-62	4/25/25	8:58	-0.12	0.2	7.8	8.9	83.2	3	
D-86.5	4/12/20	9:03	0.05	0.2	3.2	17.3	79.2	4	
E-111	4/25/25	9:08	0.05	0.2	1.7	19.1	79.0	4	
	1								
224									
A-13	4/25/25	9:35	0.00	0.2	0.1	19.9	79.8	2	
B-67.5	4/25/25	9:20	-0.86		0.1		79.4	2	
	4/25/25	9:111	-6 01	0.2	0.1	20.4		3	
C-122	4/25/25	9:11	12 110		0.1	20.7		4	
0-177.5	4/25/25	9	76.75	4.2	0.1		78.8	4	
E-232	4/28/25	1:51	-0.00	0-2	0.1	20.7	16.0	4	
	-	-	-	-		+	-		
		-			-	1	-		
		1							



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PROBE NUMBER	DATE	TIME	PRESSURE	% VOL CH4	% VOL	% O2	% BAL	PURGE TIME	COMMENTS
NUMBER			(+/-)	CH4	(02	02	UNE.	(MIN)	
225									
A-13	4/25/25	9:59	0.03	0.2	0.3	16.4	83.1	2	*4
8-72	4/25/25	10:03	-1.64	0.2	1.5	19.8	78.5	2	
C-1131	4/25/25				1.0	20.7	78.1	3	
D-190	4/25/25	10:11	-1.13	0.2	0.1	20.9	78.8	4	
E-244	4/25/25		-7.99	0.1	1.3	19.9	78.7	4	
226					1				
A-13	4/25/25	10:20	0.01	0.1	0.1	20.6	79. 2	2	
B-64	4/25/25		-1.91		0.1	20.9		2	
C-114			-7.80		0.1		78.5	3	
D-164	4/25/25		-3.11		0.1	20.9		4	
E-208	4/25/25			0.1	0:1	20.9	78.9	4	
227									
A-13	4/25/25	16:40	12.0.5	0.2	2.5	10.1	86.8	2	
B-48.7	4/25/25			0.9	7.1	2.0	90.1	2	
C-84.4	4/25/25				5.7	1.5	91.4	3	
D-114	4/25/25	10:58	0.45	0-3	4.5	2.4	92.7	4	
-115.7	4/25/25	1000	0.08	0.2	4.7	0.9	94.2	4	
228		111-	2.44	2.7	4.3	14.9	80.6	2	
A-13	1/25/25		0.01	0.2		2.7	90.2	2	
B-63	425/25	12:01	-1.79	0.1	7.0	8.9	81.9	3	
C-113	4/25/25				2.1	11.3	86.2	4	
D-163	4/25/25				4.3	0.2	95.3	4	***
E-213	4/25/25	12:15	0.01	0.2	77.3	0.6	71.5		সো
									
229	Hosps	12:00	. 76	0.2	0.1	20.9	708	2	
A-13	4/25/25				0.1	20.5		2	
3-48.7	4/25/25 4/25/25			0.1	0.0		79.0	3	
D-114	4/25/25				0.1		79.6	4	
-155.7	4/25/25	12:42	-7.91	0.1	0.1	3	75.0	4	
	11040								1
230									REMOVED BUILTO CONSTRUCTION
A-16								2	REMOVED DUE TO CONSTRUCTION
B-33					-	-	-	2	REMOVED DUE TO CONSTRUCTION
C-50								3	REMOVED DUE TO CONSTRUCTION
231									
A-13								2	REMOVED DUE TO CONSTRUCTION
B-26								2	REMOVED DUE TO CONSTRUCTION
C-39								3	REMOVED DUE TO CONSTRUCTION
D-51								4	REMOVED DUE TO CONSTRUCTION
E-66								4	REMOVED DUE TO CONSTRUCTION

PROBE NUMBER	DATE	TIME	PRESSURE (+/-)	% VOL CH4	% VOL CO2	% O2	% BAL	PURGE TIME (MIN)	COMMENTS
84/ B	4/2565	12/0 12/6 12/8	-3.16 -D.01 -D.7	0000	.)	81.0 20.9 20.9 20.9 21.0	789 789 780 780		
Ð	4/25/25	אינו אינו!	-16 -13.57	0		21.0	787		

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SCS SIGNATURE:	I CA NUNATURE

ME IIIN) COMMENTS REMOVED DUE TO CONSTRUCTION REMOVED DUE TO CONSTRUCTION REMOVED DUE TO CONSTRUCTION 2 2 3 3 4 2 2 2 2 2	PURGE TIME (MIN)	78.1 78.1 78.6	3: Su %02	% CO2	WEATHER (PRESSURE (+/-)	TIME	NDO 19AR G50454 DATE	M SERIAL # PROBE NUMBER
ME IIIN) COMMENTS REMOVED DUE TO CONSTRUCTION REMOVED DUE TO CONSTRUCTION REMOVED DUE TO CONSTRUCTION 2 2 3 3 4 2 2 2 2 2	Z 2 3 3 2 2 2 2	% BAL	% 02	% CO2		PRESSURE			PROBE
ME IIIN) COMMENTS REMOVED DUE TO CONSTRUCTION REMOVED DUE TO CONSTRUCTION REMOVED DUE TO CONSTRUCTION 2 2 3 3 4 2 2 2 2 2	Z 2 3 3 2 2 2 2				% CH4		TIME	DATE	
2 REMOVED DUE TO CONSTRUCTION 2 REMOVED DUE TO CONSTRUCTION 3 REMOVED DUE TO CONSTRUCTION 2 2 2 3	2 2 3 3 2 2 2 2				% CH4		TIME	DATE	
2 REMOVED DUE TO CONSTRUCTION 3 REMOVED DUE TO CONSTRUCTION 2 2 3 3	2 3 2 2 2	78.1 78.1	19.0						
2 REMOVED DUE TO CONSTRUCTION 3 REMOVED DUE TO CONSTRUCTION 2 2 3 3	2 3 2 2 2	78.1 78.1	19.0						
2 REMOVED DUE TO CONSTRUCTION 3 REMOVED DUE TO CONSTRUCTION 2 2 3 3	2 3 2 2 2	78.1 78.1	19.0						202
REMOVED DUE TO CONSTRUCTION REMOVED DUE TO CONSTRUCTION	2 2	78.1 78.1	19.0						A-10
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 2	78·1	19.0						B-25
2 2 2	2	78-1 78-1	19.0						C-38
2 2 2	2	78.1 78.1	19.0						
2 2 2	2	78.1 78.1	19.0						203
2 2		78.1		2.9	8	+-67	8:04	4/24/25	A-10
2 2			18.1	3.7	e	T.10	8:07	4/24/25	B-25
2 2		78.6	18-8	2.7	0	+.06	8:10	4/24/25	C-40
2								112117	
2									206
	2	78.4	11.0	10.6	0	0.66	10:18	4.25.25	A-10
3	2	78.3		14.4	0			4.25.25	B-25
	3	75.7		20.4	0			4-25.25	C-40
N									207
2	2	79.2	20.6	0.2	0	03	10:37	4.25.25	A-10
2	2	-	20.7	6.3	0			4.25.25	B-25
3	3		20.8	6.3	0			4.25.25	C-40
									208
2	2	80.4	18.0	4.4	0	15	10:47	L1.25.25	A-9 1
2	2	81.4	6.1	12.5	0			4.25.25	B-25
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2	2	79.2	70·7	6.1	0	82	eq:00	4.25.25	A-10
2	2	78.6	19.8	1.3	0.3			4.25.25	B-25
3	3	79.2	70.7	0.6	0	14	9:10	4.25.25	C-39
									242
3	3	79.8	18.7	1.5	0	·08	9.28	u . 25.25	C-42
4	4	85.8	6.4	1	0	08		4.21.75	D-60
4	4	81.0	14.9	3.5	ی			4.28.25	E-78
									243
2	2	87.9	0-3	11.8	0	0/	9:35	4/24/25	A-11
	2	80.9	17.4	1.6	ø	+-69	9:38	4/24/25	B-20
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A-11	4.25.35				13.7		85.9	2	
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245									
A-11	4.24.25			0	13:3		82.1	2	
B-20	4.24.25			5.3	28.8		65.4	2	
C-35	4.24.25				23	1.1	74.4	3	
D-50	4.24.25		1	0.8	16.2		87.8	4	
E-64	4.24.25	9:07	0.11	0	0.2	70.4	79.4	4	
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C-33	1/24/23	10.17	1	2.2	4/8.2	1.0	5717	3	
D-48	4/21/23	10.17	- 072	3-2	11.0	1.3	83.1		
E-62	4/24/25	10.22	~.43	16	16.0	1.0	85.1	4	
									- (L - 1)
239	4.25.25	2.27	-1.10		- C	C	60.2	2	
A-11				0	21.6		69.2	2	
8-20	4.25.25			0		20.9		2	
C-35	4.25.25			0	0.8		78.3	3	
D-50	4.25.25			0	0.2		39.0	4	
E-64	4.68.63	5.50	05	0	0-2	10.0	44,0	4	
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BOARD OF PUBLIC WORKS MEMBERS

CITY OF LOS ANGELES

CALIFORNIA

BUREAU OF SANITATION

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SUSANA REYES
COMMISSIONER

DR. FERNANDO CAMPOS EXECUTIVE DIRECTOR

September 01, 2023

SUNSHINE CANYON LANDFILL 14747 San Fernando Road Sylmar, CA 91342 TOS AND THE PROPERTY OF THE PR

KAREN BASS MAYOR BARBARA ROMERO DIRECTOR AND GENERAL MANAGER

TRACI J. MINAMIDE CHIEF OPERATING OFFICER

SARAH BHAGA CHIEF FINANCIAL OFFICER

JULIE ALLEN
NICOLE BERSON
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TIMEYIN DAFETA
HHYPERION EXECUTIVE PLANT MANAGER

INDUSTRIAL WASTE
MANAGEMENT DIVISION
2714 MEDIA CENTER DRIVE
LOS ANGELES, CA 90065
OFFICE: (323) 342-6200
FAX: (323) 342-6111
WWW.LACITYSAN.ORG

In Reply Refer to: IU128862.prm/jnc

Attn: Paul Koster, Environmental Manager

RENEWAL OF INDUSTRIAL WASTEWATER PERMIT FOR IU128862

PERMIT: W-535428

The LA Sanitation and Environment (LASAN) has completed a review of SUNSHINE CANYON LANDFILL's application to discharge industrial wastewater to the City of Los Angeles sewer system. Pursuant to the LASAN's audit, it has been determined that this facility is subject to the requirements as a Non-Categorical Significant Industrial User, and other applicable Federal, State and Local wastewater discharge requirements. Therefore, in accordance with provisions of the Los Angeles Municipal Code (L.A.M.C.) Section 64.30, this Industrial Wastewater Permit is being issued to include comprehensive permit conditions which identify the requirements that are applicable to SUNSHINE CANYON LANDFILL. All discharges from this facility and actions and reports relating thereto shall be in accordance with the terms and conditions of this permit.

This permit shall become effective at midnight on **September 01, 2023** and shall expire at midnight on **August 31, 2026**. During the term of this permit, the permittee shall immediately notify the LA Sanitation and Environment of any changes to the facility, process, production, or pretreatment system that may change the characteristics which causes it to be different from that expressly allowed under this permit.

If there are any questions regarding these permit conditions, please contact JOCELYN CARRILLO of my staff at (323) 342-6082.

Sincerely,

Barbara Romero, Director and General Manager LA Sanitation and Environment

By Michael Simpson

Michael Simpson, Division Manager Industrial Waste Management Division

c: SIU Permitting Section

Bhupendra Patel, Chief Environmental Compliance Inspector II SIU Permitting Section

zero waste • one water

AN EQUAL EMPLOYMENT OPPORTUNITY --- AFFIRMATIVE ACTION EMPLOYER



INDUSTRIAL USER PERMIT REQUIREMENTS AND CONDITIONS

Legal Name: Browning-Ferris Industries of California, Inc.
Dba Name: SUNSHINE CANYON LANDFILL
Industrial User No: IU128862

INDUSTRIAL WASTEWATER PERMIT NO. W-535428

CITY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS

LA Sanitation and Environment



INDUSTRIAL WASTE MANAGEMENT DIVISION 2714 MEDIA CENTER DRIVE LOS ANGELES, CA 90065 (323) 342-6200

INDUSTRIAL WASTEWATER PERMIT

INDUSTRIAL USER NO: IU128862

PERMIT NO: W-535428

EFFECTIVE DATE: 09/01/2023

AMENDED DATE: NA

EXPIRATION DATE: 08/31/2026

LEGAL BUSINESS NAME: BROWNING-FERRIS INDUSTRIES OF CALIFORNIA, INC.

DOING BUSINESS AS: SUNSHINE CANYON LANDFILL

MAILING ADDRESS: 14747 SAN FERNANDO ROAD

SYLMAR, CA 91342

LOCATION ADDRESS: 14747 SAN FERNANDO ROAD

SYLMAR, CA 91342

CATEGORY: NON-CATEGORICAL SIU

POINT OF DISCHARGE: PUBLIC SEWER

In accordance with the provisions of the Los Angeles Municipal Code (L.A.M.C.) Section 64.30, the above identified industrial user is hereby authorized to discharge industrial wastewater through the approved point of discharge identified herein in accordance with the discharge limitations, conditions, and requirements set forth in this permit and the L.A.M.C. Compliance with this permit does not relieve the industrial user of its obligation to comply with all pretreatment regulations, standards or requirements under local, State and Federal laws, including any such laws, regulations, standards or requirements that may become effective during the term of this permit.

The industrial user must comply with the provisions of L.A.M.C. Section 64.30 and all terms and conditions of this permit. Noncompliance with the terms and conditions of this permit shall constitute a violation of the L.A.M.C. Section 64.30 and may subject the industrial user to administrative actions or other legal proceedings. This permit becomes void upon any change of ownership or location whatsoever.

Barbara Romero, Director and General Manager LA Sanitation and Environment

BY: Michael Simpson

TABLE OF CONTENTS

		Page
PART 1 - SAMPLE PO	INT DESCRIPTION AND FACILITY FLOW INFORMATION	1
PART 2 - DISCHARGE	LIMITATIONS	2
PART 3 - MONITORIN	G REQUIREMENTS	3
PART 4 - REPORTING	REQUIREMENTS	5
PART 5 - SPECIAL CO	ONDITIONS	7
PART 6 - STANDARD	CONDITIONS	SC-1
APPENDICES		See Appendix
Appendix A:	Fact Sheet	
Appendix B:	Attachments	
	Attachment 1 – Site Plan	
	Attachment 2 - Process and Instrumentation Diagram	
	Attachment 3 – Sewer Facilities Charge Certificates	
	Attachment 4 – Sewer Capacity Availability Request (SCAR)	
	Attachment 5 - 14747 San Fernando Road Sewer Map	
	Attachment 6 – Pretreatment System Diagram	
Appendix C:	Self-Monitoring Report Form and Instructions	

PART 1 - SAMPLE POINT DESCRIPTION AND FACILITY FLOW INFORMATION

A. Sample Point

The industrial user is authorized to discharge industrial wastewater to the City of Los Angeles sewer system from the sample point(s) listed below.

INDUSTRIAL WASTEWATER	SAMPLE POINT	FLOW PER OPERATIONAL DAY (GPD)		DESCRIPTION
PERMIT	FORT	TOTAL	PROCESS	
W-535428	01	300,000	300,000	Secured Sampling Facility is located at Magnetic Flow meter Vault.

B. Industrial User Flow

Facility Flow	Total (GPD)	Process (GPD)
Information ¹	300,000	300,000

Footnotes to Sample Point Description and Industrial User Flow Information

Sunshine Canyon Landfill shall not discharge greater than 300,000 gpd of leachate to the City sewer system. Refer to Part 5. C – Special Conditions.

PART 2 - DISCHARGE LIMITATIONS

The discharge from the designated sample points shall not exceed the following discharge limitations:

A. Industrial Wastewater Permit W-535428

1. Sample Point 01- Significant Non-Categorical Industrial User

DISCHARGE LIMITATIONS			
Local Constituent Instantaneous Maximul			
Arsenic (Total)	3.00	mg/l	
Cadmium (Total)	15.00	mg/l	
Chromium (Total)	10.00	mg/l	
Copper (Total)	15.00	mg/l	
Cyanide (Free) ¹	2.00	mg/l	
Cyanide (Total)	10.00	mg/l	
Dissolved Sulfides	0.10	mg/l	
Lead (Total)	5.00	mg/l	
Nickel (Total)	12.00	mg/l	
Oil & Grease (Total)	600.00	mg/l	
pH (Standard Units)	5.50 - 11.00	SU	
Silver (Total)	5.00	mg/l	
Zinc (Total)	25.00	mg/l	

Footnotes to Discharge Limitations

¹Cyanide (Free) shall mean cyanide amenable to chlorination as defined by 40 CFR 136.

PART 3 - MONITORING REQUIREMENTS

The industrial user shall monitor the designated sample point, for the following constituents, at the indicated frequency and by the indicated sample type.

A. Industrial Wastewater Permit W-535428

1. Sample Point 01

Constituent	Measurement Frequency	Sample Type
Daily Flow	Continuous	Not Applicable
Arsenic (Total)	Semi-Annual	Grab
Cadmium (Total)	Semi-Annual	Grab
Chloride ¹	Semi-Annual	Grab
Chromium (Total)	Semi-Annual	Grab
Copper (Total)	Semi-Annual	Grab
Cyanide (Free)	Semi-Annual	Grab
Cyanide (Total)	Semi-Annual	Grab
Dissolved Sulfides	Semi-Annual	Grab
Lead (Total)	Semi-Annual	Grab
Nickel (Total)	Semi-Annual	Grab
Oil & Grease (Total)	Semi-Annual	Grab
pH ²	Semi-Annual	Grab
Silver (Total)	Semi-Annual	Grab
Zinc (Total)	Semi-Annual	Grab

B. Representative Monitoring and Sampling

- Monitoring and sampling shall be carried out during a period of normal operations.
- 2. All handling and preservation of collected samples and laboratory analyses of samples shall be performed in accordance with 40 CFR Part 136 and amendments thereto unless specified otherwise in the monitoring conditions of this permit. The handling, storage and analyses of all samples taken for the determination of the wastewater characteristics discharged shall be performed by laboratories certified by the State of California or approved by the Director of the LA Sanitation and Environment.
- 3. The detection limits employed for wastewater analysis shall be lower than the permit limits established for a given parameter.
- 4. The industrial user is responsible for maintaining and cleaning the designated sample point(s) to prevent any build-up of oil and grease, sediment or sludge. Failure to do so does not invalidate sampling test results. Analytical results from samples taken from designated sample points according to accepted sampling procedure shall be accepted as binding.
- 5. Sample Points identified in the Industrial Wastewater Permit shall not be changed without notification and approval by the Director.

FOOTNOTES TO MONITORING REQUIREMENTS

¹The City of Los Angeles is establishing a database for chlorides.

²Refer to Part 5A- Special Conditions.

PART 4 - REPORTING REQUIREMENTS

A. Self-Monitoring

1. The industrial user shall implement a self-monitoring program for the designated Industrial Wastewater Permit. Monitoring results obtained shall be summarized and reported on the enclosed report form entitled "Periodic Compliance Report" and submitted with a US Post Office postmark date by the 15th day of the month following the monitoring period. Facsimiles (faxes) of self-monitoring reports shall not be accepted. Reports with original signatures must be submitted by the due date.

The first self-monitoring report for the monitoring period of **July 1 – December 31, 2023** shall be submitted by **January 15, 2024**. Subsequent reports shall be submitted in accordance with the following schedule:

SELF-MONITORING REPORT SCHEDULE				
Industrial Monitoring Report Period Due Date				
W-535428 Sample Point 01	Local Limits Periodic Compliance Report	Jan 1 - Jun 30 Jul 1 - Dec 31	Jul 15 Jan 15	

- All portions of the Periodic Compliance Report form must be completed or the report may not be accepted.
- 3. The report shall indicate the nature and concentration of all pollutants in the effluent for which sampling and analyses were performed including measured or estimated maximum and average daily flows. The report shall be based upon data obtained through appropriate sampling and analyses performed which represents the conditions occurring during the period covered by the report.
- Copies of all laboratory results shall be submitted with each report.
- The LA Sanitation and Environment will not accept reports where monitoring was conducted outside the monitoring period specified in this permit.

B. Self-Monitoring Report Submittal

All self-monitoring reports required by this permit shall be submitted to the Director at the following address:

City of Los Angeles LA Sanitation and Environment Industrial Waste Management Division 2714 Media Center Drive Los Angeles, CA 90065

Attn: Information Systems Support Squad

C. Additional Monitoring

If the industrial user monitors any pollutant at the designated sample point more frequently than required by this permit, using test procedures prescribed in 40 CFR 136 or amendments thereto or otherwise approved by EPA or specified in this permit, the results of such monitoring shall be reported in the compliance report and submitted to the Director.

Industrial User No.: IU128862

D. Automatic Resampling

If the results of the industrial user's wastewater analysis indicate a violation has occurred, the industrial user must comply with the following:

- 1. Inform the Director of the violation within 24 hours by contacting the LA Sanitation and Environment Industrial Waste Management Division SIU Inspection Group at (323) 342-6200; and
- 2. Repeat the sampling and pollutant analysis and submit, in writing, the results of this second analysis within 30 days after becoming aware of the violation.

Additionally, if the results of LASAN's wastewater analysis indicate a violation has occurred, the industrial user must repeat the sampling and pollutant analysis and submit, in writing, the results of this second analysis within 30 days after becoming aware of the violation.

E. Pre-notification of Monitoring and Sampling

The industrial user shall notify the SIU Inspection Group by telephone at (323) 342-6200 at least 48 hours in advance of any monitoring or sampling to be performed. Notification shall include the date, time and location of proposed monitoring or sampling. Monitoring and sampling shall be carried out during a period of normal operations. Prior to the commencement of any sampling or monitoring, the Director may request that the industrial user furnish to the Director a split sample and all supporting data (i.e., methodology, flow measuring data, strip chart recordings and other pertinent information). The Director reserves the right to refuse any data developed from the monitoring or sampling activity if the industrial user fails to comply with the pre-notification procedure or other requirements of sampling and analysis.

PART 5 - SPECIAL CONDITIONS

A. pH MONITORING AND RECORDING SYSTEM

The pH of the wastewater discharge to the sewer system shall be monitored and recorded continuously using a pH meter and recording device. To ensure the proper operation and continued accuracy of the pH meter, Sunshine Canyon Landfill shall clean, maintain, and calibrate the device periodically in accordance with the manufacturer's requirements. A logbook for pH calibration must be kept. The pH chart must be initialed daily by an operator at the facility to validate the proper operation of the pH monitoring and recording system.

Industrial User No.: IU128862

B. FLOW METER MAINTENANCE AND CALIBRATION

To ensure proper operation and continued accuracy of the industrial wastewater flow measurement device, Sunshine Canyon Landfill shall clean, maintain, and calibrate the device periodically in accordance with the manufacturer's requirements. If there are no stated requirements, the flow meter shall be calibrated annually at a minimum. A maintenance record shall be available at all times for LA Sanitation and Environment review.

C. DISCHARGE REQUIREMENTS

Sunshine Canyon Landfill is allowed to discharge a total of 300,000 gpd (208.33 gpm) of landfill leachate at a maximum flow rate of 250 gpm, not exceeding 300,000 gallons per day through the sewer connection located at 14747 N. San Fernando Road, Sylmar into the City of Los Angeles sewer system.

PART 6 - STANDARD CONDITIONS

A. Prohibitions

1. General Prohibitive Standards

The Industrial User shall comply with all the general prohibitive discharge standards in the General Pretreatment Regulations, 40 CFR 403, and the L.A.M.C. Section 64.30. Except as expressly allowed in an Industrial Wastewater Permit, no Industrial User shall introduce or cause to be introduced into the POTW any of the following:

- Gasoline, mercury, total identifiable chlorinated hydrocarbons, kerosene, naphtha, benzene, toluene, xylene, ethers, alcohols, ketones, aldehydes, peroxides, chlorates, perchlorates, bromates, carbides, hydrides, solvents, pesticides or jet fuel;
- b) Liquids, solids or gases which by reason of their nature or quantity are flammable, reactive, explosive, corrosive, or radioactive, or by interaction with other materials could result in fire, explosion or injury. Pollutants which create a fire or explosion hazard in the POTW, including, but not limited to, wastewater with a closed cup flashpoint of less than 140 degrees Fahrenheit or 60 degrees Centigrade using the test methods specified in 40CFR261;
- c) Solid or viscous materials which could cause obstruction to the flow or operation of the POTW;
- d) Toxic pollutants in sufficient quantity to injure or interfere with any wastewater treatment process, including private pretreatment systems, to constitute a hazard or cause injury to human, animal, plant or fish life, or to exceed any limitation set forth in this Permit;
- e) Noxious or malodorous liquids, gases, or solids in sufficient quantity either singly or by interaction with other materials to create a public nuisance, hazard to life, or to prevent entry of any person to the POTW:
- f) Pollutants which result in the presence of toxic gases, vapors or fumes within the POTW in a quantity that may cause acute worker health and safety problems;
- g) Material of sufficient quantity to interfere with any POTW treatment plant process or to render any product thereof unsuitable for reclamation and reuse;
- h) Material in sufficient quantity to cause the POTW to be in noncompliance with biosolids use or disposal criteria, guidelines or regulations in conjunction with Section 405 of the Act, the Solid Waste Disposal Act (SWDA), the Clean Air Act, the Toxic Substances Control Act, the Marine Protection Research and Sanctuaries Act, or State criteria (including those contained in any state sludge management plan prepared pursuant to Title II of SWDA) applicable to the biosolids management method being used;
- i) Material which will cause the POTW to violate its NPDES Permit, applicable Federal and State statutes, rules or regulations;
- Wastewater containing pigment which is not removed in the ordinary POTW treatment process and which creates a visual contrast with the material appearance of the POTW discharge observable at the point of POTW discharge;
- k) Wastewater having a heat content in such quantities that the temperature of the wastewater at the introduction into the POTW Collection system exceeds 140 degrees Fahrenheit, or at the introduction into the POTW treatment plant exceeds 104 degrees Fahrenheit;
- Petroleum oil, nonbiodegradable cutting oil, or products of mineral oil origin in amounts that will cause interference or pass through;

Sunshine Canyon Landfill

m) Pollutants, including oxygen demanding pollutants, released at a flow rate or pollutant concentration which will cause or contribute to interference;

Industrial User No.: IU128862

- n) Storm water collected and discharged to the POTW;
- o) Single pass cooling water in excess of 200 gallons per day discharged to the POTW;
- p) Wastewater which constitutes a hazard or causes injury to human; animal, plant or fish life or creates a public nuisance;
- q) Recognizable portions of the human or animal anatomy;
- r) Floatable material which is readily removable;
- s) Radioactive wastes or isotopes;
- t) Grinder food wastes from commercial kitchens, markets, or food plants;
- u) Trucked or hauled pollutants, except at discharge points designated by the City;
- v) Human or animal blood suspected or known to contain bloodborne pathogen(s);
- w) Pharmaceutical wastes;
- x) Medical wastes; or
- y) Sharps.

B. Permit Provisions

Severability

The provisions of this permit are severable, and if any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances and the remainder of this permit shall not be affected thereby.

2. Duty to Comply

The Industrial User must comply with the provisions of L.A.M.C. 64.30 and all conditions of this permit. Failure to comply with the requirements of this permit may be grounds for administrative action or enforcement proceedings, including civil or criminal penalties, injunctive relief and summary abatements.

3. Duty to Mitigate

The Industrial User shall take all reasonable steps to minimize or correct any adverse impact to the public treatment plant or the environment resulting from noncompliance with this permit, including such accelerated or additional monitoring as necessary to determine the nature and impact of the noncomplying discharge.

4. Modification or Revision of the Permit

This permit may be modified, revoked and reissued or terminated for good causes including, but not limited to, the following:

- a) The incorporation of any new or revised Federal, State or Local pretreatment standards or requirements;
- Material or significant alterations or additions to the Industrial User's operational processes or discharge volume or character which were not covered in the effective permit;

c) A change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge;

Industrial User No.: IU128862

- d) Information indicating that the permitted discharge poses a threat to the City of Los Angeles' collection and treatment systems, POTW personnel or the receiving waters;
- e) A violation of any terms or conditions of this permit;
- f) Obtaining this permit by misrepresentation or failure to disclose fully all relevant facts;
- g) A revision of or a grant of variance from such categorical standards pursuant to 40 CFR 403.13.
- h) A request of the Industrial User, provided such request does not create a violation of any existing applicable requirements, standards, laws or rules and regulations; or
- i) A correction of typographical or other errors in the permit.

5. Property Rights

The issuance of this permit does not convey any property rights of any sort or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor does it authorize any violation of Federal, State or Local laws or regulations.

6. Limitation of Permit Transfer

An Industrial Wastewater Permit shall not be transferable by operation of law or otherwise, either from one location to another or from one person to another. Statutory mergers or name changes shall not constitute a transfer or a change in ownership.

7. Duty to Reapply

To continue an activity regulated by this permit after the expiration date, the Industrial User must file an application for permit renewal at least 90 days before the expiration date of this permit.

8. <u>Dilution</u>

The Industrial User shall not increase the use of potable or process water or, in any way, attempt to dilute an effluent as a partial or complete substitute for adequate treatment to achieve compliance with the limitations contained in this permit.

9. Compliance with Applicable Pretreatment Standards and Requirements

The Industrial User shall comply at all times with any and all applicable Local, State and Federal pretreatment standards and requirements including Best Management Practices and any such standards or requirements that may become effective during the term of this permit. In addition, the Industrial User may be required to prepare a pollution prevention plan.

10. Confidentiality

- a) Any information, except for discharge and effluent data, submitted to the City pursuant to this Permit may be claimed by the Industrial User to be confidential. Any such claim must be asserted at the time of submission of the information or data to the City. The claim may be asserted by stamping the words "Confidential Business Information" on each page containing such information or by other means; however, if no claim is asserted at the time of submission, the City may make the information available to the public without further notice. If such a claim is asserted, the information will be treated in accordance with the procedures set forth in 40 CFR Part 2 (Public Information).
- b) Information and data provided to the City which is effluent data shall be available to the public without restriction.

C. Operation and Maintenance of Pollution Controls

1. Proper Operation and Maintenance

The Industrial User shall at all times properly operate and maintain all facilities and systems for treatment and control (and related appurtenances) which are installed or used by the Industrial User to achieve compliance with the conditions of this permit. Proper operation and maintenance includes but is not limited to effective performance, adequate funding, adequate operator staffing and training and adequate laboratory and process controls including appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems only when necessary to achieve compliance with the conditions of the permit.

Industrial User No.: IU128862

2. Duty to Halt or Reduce Activity

Upon reduction of efficiency of operation or loss or failure of all or part of the pretreatment facility, the Industrial User shall, to the extent necessary to maintain compliance with its permit, control its production or discharge (or both) until operation of the pretreatment facility is restored or an alternative method of pretreatment is provided. This requirement applies, for example, when the primary source of power of the pretreatment facility fails or is reduced. It shall not be a defense for an Industrial User in an enforcement action to state that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

3. Removed Substances

Solids, sludge, filter backwash or other pollutants removed in the course of treatment or control of wastewaters shall be disposed of in accordance with section 405 of the Clean Water Act and Subtitles C and D of the Resource Conservation and Recovery Act.

Bypass of Treatment Facilities

- a) Bypass is prohibited unless it is unavoidable to prevent loss of life, personal injury or severe property damage or no feasible alternatives exist.
- b) The Industrial User may allow bypass to occur which does not cause effluent limitations to be exceeded, but only if it is also for essential maintenance to assure efficient operation.

c) Notification of bypass:

- (1) Anticipated bypass. If the Industrial User knows in advance of the need for a bypass, written notice shall be submitted to the Director at least ten days prior to the anticipated date of bypass.
- (2) Unanticipated bypass. The Industrial User shall provide oral notice of an unanticipated bypass that exceeds applicable Pretreatment Standards to the Director at (323) 342-6200 within 24 hours from the time the Industrial User becomes aware of the bypass. A written notice shall also be provided within 5 days of the time the Industrial User becomes aware of the bypass. The written notice shall contain the following:
 - (i) A description of the bypass including its cause and duration;
 - (ii) Whether the bypass has been corrected; and
 - (iii) The steps taken or to be taken to reduce, eliminate and prevent reoccurrence of bypassing.

D. Monitoring and Records

1. Flow Measurements

If flow measurement is required by this permit, the appropriate flow measurement devices and methods consistent with approved scientific practices shall be selected and used to ensure the accuracy and reliability of measurements of the volume of monitored discharge. The devices shall be installed, calibrated and maintained to ensure that the accuracy of the measurements are consistent with the accepted capability of that type of device. Devices selected shall be capable of measuring flows with a

Industrial User No.: IU128862

maximum deviation of less than 5 percent from true discharge rates throughout the range of expected discharge volumes.

2. Monitoring Waiver from a Categorical Pretreatment Standard

The Industrial User subject to a Categorical Pretreatment Standard may seek a waiver from the Director to forego sampling of a pollutant regulated by a Categorical Pretreatment Standard if the Industrial User has demonstrated through sampling and other technical factors that the pollutant is neither present nor expected to be present in the discharge, or is present only at background levels from intake water and without any increase in the pollutant due to activities of the Industrial User. To qualify for the waiver, the Industrial User shall:

- a) Request for a monitoring waiver signed by an authorized or duly authorized representative of the Industrial User and include the following certification statement: "I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations";
- b) Provide data from at least one sampling of the facility's process wastewater prior to any treatment present at the facility that is representative of all wastewater from all processes; and
- c) Submit a new request for the waiver before the waiver can be granted for each subsequent individual wastewater discharge permit.

3. Inspection and Entry

The Industrial User shall allow the Director or an authorized representative, upon the presentation of credentials and other documents, entry to and inspection of the premises. The applicant, by accepting any permit issued pursuant to L.A.M.C. Section 64.30, does hereby consent and agree to the entry upon the premises, described in the permit, by Department personnel for the following purposes as required by this permit or L.A.M.C Section 64.30 or other applicable laws. The City shall be afforded access at all reasonable times:

- a) for the purposes of inspection, sampling, flow measurement, examination of records in the performance of other authorized duties;
- b) to set up on the Industrial User's property such devices as are necessary to conduct sampling inspections, compliance monitoring, flow measuring or metering operations;
- c) to inspect and copy any records, reports, test results or other information required to carry out the provisions of L.A.M.C. Section 64.30, the industrial wastewater permit, or other applicable laws; and
- d) to photograph any waste, waste container, vehicle, waste treatment process, discharge location, or violation discovered during an inspection.

The applicant, by accepting any permit issued, does hereby consent and agree to entry upon the premises as described herein. Any person violating this authority shall be guilty of a misdemeanor.

4. Retention of Records

a) The Industrial User shall retain records of all monitoring information, including documentation associated with Best Management Practices and all calibration and maintenance records, all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by this permit and records of all data used to complete the application for this permit, for a period of at least three years from the date of the sample, measurement, report or application. This period may be extended by request of the City of Los Angeles at any time. b) All records that pertain to matters that are the subject of special orders or any other enforcement or litigation activities brought by the City of Los Angeles shall be retained and preserved by the Industrial User until all enforcement activities have concluded and all periods of limitation with respect to any and all appeals have expired.

Industrial User No.: IU128862

5. Record Contents

Records of sampling and analyses shall include the following:

- a) the date, exact place, time and methods of sampling or measurement, and sample preservation techniques or procedures;
- b) Who performed the sampling or measurements;
- c) The date(s) analyses were performed;
- d) Who performed the analyses;
- e) The analytical techniques or methods used; and
- f) The results of such analyses.

6. Falsifying Information

No person shall knowingly make any false statement, representation or certification in any application, record, report, plan or other document filed with the City of Los Angeles. In addition, no person shall tamper with or knowingly render inaccurate any monitoring device required under this permit.

The reports and other documents required to be submitted or maintained under this Industrial Wastewater Permit shall be subject to:

- a) The provisions of 18 U.S.C. Section 1001 relating to fraud and false statements;
- b) The provisions of Section 309 (c) (4) of the Clean Water Act (CWA), as amended, governing false statements, representation or certification; and
- c) The provisions of Section 309 (c) (6) of the Clean Water Act (CWA), as amended, regarding responsible corporate officers.

E. Additional Reporting Requirements

1. Notification of Planned Changes

The Industrial User shall immediately notify the Director in advance of any significant change to the Industrial User's operations or system which might alter the nature, quality, or volume of its wastewater including the listed or characteristic hazardous wastes for which the Industrial User had submitted initial notification under 40 CFR 403.12(p). The Director may require that a new Industrial Wastewater Permit application be filed and a new permit obtained before any planned changes take place.

2. Duty to Provide Information

The Industrial User shall furnish to the Director any information which the Director may request to determine whether cause exists for modifying, revoking and reissuing or terminating this permit. The Industrial User shall also furnish to the Director, upon request, copies of records required to be kept by this permit.

3. Notification of a Slug or Potential Slug Discharge

The Industrial User shall notify the Director immediately upon the occurrence of a slug discharge or any changes at its facility affecting the potential for a slug discharge of substance(s) prohibited by L.A.M.C.

Section 64.30 that may enter the public sewer. The Director shall be notified by telephone at (323) 342-6200. The notification of a slug discharge shall include location of discharge, date and time thereof, type of waste, including concentration and volume, and corrective action taken. The Industrial User's notification of accidental cases in accordance with this permit does not relieve it of other reporting requirements that arise under Local, State or Federal laws.

Industrial User No.: IU128862

Within five (5) days following an accidental discharge, the Industrial User shall submit to the Director a detailed written report. The report shall contain the following:

- a) A description and cause of the slug or accidental discharge, the cause(s) thereof and the impact on the Industrial User's compliance status. The description should also include the location of discharge and the type, concentration and volume of waste.
- b) The duration of noncompliance, including exact dates and times of noncompliance, and if the noncompliance continues, the time by which compliance is reasonably expected to occur.
- c) All steps taken or to be taken to reduce, eliminate and prevent recurrence of such a slug discharge, accidental discharge or any other conditions of noncompliance.

4. Operating Upsets

Any Industrial User that experiences an upset in operations that places the Industrial User in a temporary state of noncompliance with the provisions of either this permit or with L.A.M.C. Section 64.30 shall notify the Director within 24 hours of becoming aware of the upset at (323) 342-6200. The notification shall include the location of discharge, type of material, concentration and volume, and corrective actions taken.

A written follow-up report of the upset shall be filed by the Industrial User with the Director within five (5) days. The report shall contain the following information:

- a) A description of the upset, the cause(s) thereof and the upset's impact on the Industrial User's compliance status;
- b) The duration of noncompliance, including exact dates and times of noncompliance, and if the noncompliance continues, the time by which compliance is reasonably expected to occur; and
- c) All steps taken or to be taken to reduce, eliminate and prevent recurrence of such an upset or other conditions of noncompliance.

The report must also demonstrate that the treatment facility was being operated in a prudent and workmanlike manner.

A documented and verified operating upset shall be an affirmative defense to any enforcement action brought against the Industrial User for violations attributable to the upset event.

5. Slug Discharge Control Plan

Upon request by the LA Sanitation and Environment, the Industrial User is required to submit a Slug Discharge Control Plan to address how the Industrial User will respond to spills, bypass, and any accidental discharges that could violate any permit limits or conditions or impact the City sewer system. The plan shall contain detailed procedures to be followed by the Industrial User in the event a slug discharge occurs. The Slug Discharge Control Plan must contain, at a minimum, the following:

- a) Description of sewer discharge practices, including non-routine batch discharges;
- b) Description of stored chemicals including type and characteristic, volume, and chemical hazard classification;
- Procedures for promptly notifying the City of slug discharges, including any discharges that would violate a prohibition under 40 CFR 403.5(b), with procedures for follow-up written notification within five days;

 Any necessary procedures to prevent adverse impact from accidental spills, including inspection and maintenance of storage areas, handling and transfer of materials, loading and unloading operation, control of plant site run-off and worker training;

Industrial User No.: IU128862

- e) Any necessary measures for building any containment structures or equipment;
- f) Any necessary measures for controlling toxic organics (including solvents); and/or
- g) Measures and equipment for emergency response.

6. Notification of Hazardous Waste Discharged into POTW

An Industrial User not exempt from the requirements under 40 CFR 403.12(p) shall notify the City of Los Angeles, LA Sanitation and Environment; the EPA Region 9, Hazardous Waste Management Division; and the California Environmental Protection Agency, Department of Toxic Substances Control in writing of any discharge into the City of Los Angeles sewer system of a substance, which, if otherwise disposed of, would be a hazardous waste under 40 CFR part 261. The written notification shall be submitted to the City of Los Angeles LA Sanitation and Environment, the EPA Region 9 and the California Environmental Protection Agency.

7. Signatory Requirements

All applications, reports or information submitted by the Industrial User to the Director must contain the following certification statement and be signed by an authorized representative indicated below:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

An authorized representative shall mean the following:

- (a) a president, secretary, treasurer, or vice-president in charge of a principal business function, or any other person who performs similar policy or decision-making functions, if the Industrial User is a corporation;
- (b) the manager of one or more manufacturing, production, or operating facilities, provided the manager is authorized to (1) make management decisions that govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations, and initiate and direct other comprehensive measures to assure long-term environmental compliance with environmental laws and regulations; (2) ensure that the necessary systems are established or actions taken to gather complete and accurate information for control mechanism requirements; and (3) sign documents in accordance with corporate procedures;
- (c) a general partner or proprietor if the Industrial User is a partnership or proprietorship, respectively;
- (d) a principal executive officer or director having responsibility for the overall operation of the discharging facility or a ranking elected official if the Industrial User is a governmental entity, charitable organization or other such unincorporated entity; or
- (e) a representative authorized in writing by any individual designated above, if the authorization is submitted to the Director and specifies an individual or a position having responsibility for the overall operation of the facility. This includes the position of plant manager, a position of equivalent responsibility, or an individual having overall responsibility for environmental matters for the company. If an authorization under Paragraph (e) is no longer accurate because a different individual or position has the responsibility for the overall operation of the facility, or overall responsibility for environmental matters of the company, a new authorization satisfying the requirements of Paragraph (e) of this Permit must be submitted to the Director prior to, or together with, any reports to be signed by an authorized representative.

8. Annual Publication of Significant Noncompliance

The Industrial User in noncompliance with applicable Federal Pretreatment Standards, Best Management Practices or other Pretreatment Requirements during the twelve (12) previous months may lead to an enforcement action resulting in publication of its name in a newspaper(s) of general circulation that provides meaningful public notice within the jurisdiction(s) served by the POTW. For purposes of this provision, significant noncompliance is defined under 40 CFR 403.8 (f)(2)(viii) and L.A.M.C. Section 64.30.E.8.

9. Civil and Criminal Liability

Nothing in this permit shall be construed to relieve the Industrial User from civil and/or criminal penalties for noncompliance under L.A.M.C. Section 64.30 or State or Federal laws and regulations.

10. Penalties for Violations of Permit Conditions

The L.A.M.C. Section 64.30 provides that any person who violates a permit condition is subject to a civil penalty in the maximum sum provided by law for each day in which such violation occurs. Any person who willfully or negligently violates permit conditions is subject to criminal penalties of up to \$1000.00 per violation per day and/or by imprisonment in the County Jail for a period of not more than six (6) months. The Industrial User may also be subject to sanctions under State and/or Federal law.

11. Liability For Costs Incurred From Unlawful Discharge

Whenever any Industrial User introduces or causes to be introduced wastewater in violation of this permit or the L.A.M.C. and such discharge, either singly or by interaction with other discharges, results in damage to or is otherwise detrimental to or adversely affects the P.O.T.W., the storm drain system, or any Waters of the State, said Industrial User shall be liable to the City for reasonable costs necessary to correct that discharge, detriment or adverse effect, including, but not limited to labor, material, inspection, transportation, overhead, and incidental expenses associated with the corrective action. The Industrial User shall additionally be liable to the City for the reasonable costs of investigation by the City arising from the unlawful discharge.

12. Civil Liability

Violation of any pretreatment standards or requirements or any term or condition or applicable compliance schedule of this permit, the Industrial User shall be civilly liable to the City in a sum of not to exceed twenty-five thousand dollars (\$25,000) a day for each violation.

13. Resource Conservation Recovery Act Notification and California Hazardous Waste Control Law

It is the responsibility of the Industrial User to ensure that the operations performed at their site comply with federal hazardous waste management regulations under subtitles C & D of the Resource Conservation and Recovery Act (RCRA) and California hazardous waste management regulations under the Hazardous Waste Control Law (Chap. 6.5, HSC, Sec. 25100 et. seq.) and California Code of Regulations (CCR), Titles 8 and 22. For information on federal and state hazardous waste regulations, contact the California Environmental Protection Agency, Department of Toxic Substances Control.

F. Definitions

- Best Management Practices (BMP) Activities, prohibitions of practices, maintenance procedures, and
 other management practices to prevent or reduce pollutants in discharges. BMP also include treatment
 requirements, operating procedures, and practices to control plant site runoff, spillage or leaks, sludge
 or waste disposal, or drainage from raw materials storage.
- 2. <u>Bi-Monthly</u> Once every other month.
- 3. <u>Bypass</u> The intentional diversion of wastestreams from any portion of an Industrial User's treatment facility.

Industrial User No.: IU128862

- 4. <u>Categorical Pretreatment Standards</u> Limitations on pollutant discharges to POTWs, promulgated by EPA in accordance with Section 307 of the Clean Water Act, that apply to specified process wastewaters of particular industrial categories.
- Commercial Establishment A private establishment such as a restaurant, hotel, laundry, store, filling station, or recreational facility. A nonprofit private or government entity such as a church, school, hospital, military facility, correctional institution recreational facility or a facility owned or operated by a charitable organization is considered a commercial establishment.
- 6. Commingled Load A load of septage which includes septage generated both within and outside the City's boundaries.
- 7. Composite Sample A sample that is collected over time, formed either by continuous sampling or by mixing discrete samples. The sample may be composited either as a <u>flow proportional composite sample</u> (collected either as a constant sample volume at time intervals proportional to stream flow or collected by increasing the volume of each aliquot as the flow increases while maintaining a constant time interval between the aliquot) or as a <u>time composite sample</u> (composed of discrete sample aliquot collected in one container at constant time intervals providing representative samples irrespective of stream flow).

Cooling Water

- a) Uncontaminated Water used only for cooling purposes which has no direct contact with any raw material, intermediate or final product and which does not contain a level of contaminants detectably higher than that of the intake water.
- b) Contaminated Water used only for cooling purposes which may become contaminated either through the use of water treatment chemicals used for corrosion inhibitors or biocides or by direct contact with process materials and/or wastewater.
- 9. <u>Daily Maximum</u> The maximum allowable discharge of a pollutant during a calendar day. Where daily maximum limitations are expressed in units of mass, the daily discharge is the total mass discharged over the course of the day. Where daily maximum limitations are expressed in terms of a concentration, the daily discharge is the arithmetic average measurement of the pollutant concentration derived from all measurements taken that day.
- Director The Director of the LA Sanitation and Environment of the Department of Public Works of the City of Los Angeles or the duly authorized representative thereof.
- 11. <u>Domestic Septage</u> The liquid or solid material removed from a private sewage disposal system (PSDS), portable toilet or other holding device that receives only domestic sewage.
- 12. <u>Domestic Wastewater (Domestic Sewage)</u> Sanitary wastewater and wastewater generated from household type operations.
- 13. <u>Establishment</u> An economic unit, generally at a single physical location, where business is conducted or where services or industrial operations are performed.
- 14. Facility All buildings, equipment, structures, and other stationary items which are located on a single site or on contiguous or adjacent sites and which are owned or operated by the same person (or by any person which controls, is controlled by, or under common control with such person) and is authorized by the City of Los Angeles to discharge industrial wastewater to the POTW. A facility may contain more than one establishment.
- 15. <u>Food Service Establishment</u> A facility engaged in preparing food for consumption by the public such as, but not limited to, a restaurant, bakery, commercial kitchen, caterer, hotel, school, hospital, prison, correctional facility, or care institution.
- 16. Four (4) Day Average The average of daily values for four consecutive monitoring days.

- 17. Grab Sample An individual sample collected in less than 15 minutes, without regard for flow.
- 18. <u>Gravity Grease Interceptor (GGI)</u> An approved device with a minimum total volume of 300 gallons that is specifically designed to separate, trap, and hold nonpetroleum fats, oil, and grease (FOG) from an industrial wastewater discharge, and which shall be remotely located from where food is handled, and is identified by the following: volume, a minimum retention time of 30 minutes, baffle(s), a minimum of two compartments, and gravity separation.
- 19. <u>Hydromechanical Grease Interceptor (HGI)</u> An approved device that is installed in an industrial wastewater drainage system to separate, trap, and hold nonpetroleum fats, oil, and grease (FOG) from a wastewater discharge and is identified by flow rate, retention time, and separation efficiency. HGI design incorporates, in combination or separately, air entrainment, hydromechanical separation, interior baffling, and internal barriers.
- 20. <u>Industrial User</u> A person that has been authorized to discharge industrial wastewater into the City of Los Angeles POTW.
- 21. <u>Industrial Wastewater</u> Liquid and any water carried waste other than domestic sewage. Wastewater generated from household type operations, including, but not limited to dishwashing, laundry, and car washing, performed at commercial establishments for or to support commercial purposes is considered industrial wastewater.
- 22. <u>Instantaneous Maximum</u> The allowable maximum concentration determined from the analysis of any discrete or composited sample collected, independent of the industrial flow rate and the duration of the sampling event.
- 23. <u>Interference</u> A discharge which alone or in conjunction with a discharge or discharges from other sources both:
 - a) Inhibits or disrupts the POTW, its treatment processes or operations or its sludge processes, use or disposal; and
 - b) Causes a violation of any requirement of the POTW's NPDES permit (including an increase in the magnitude or duration of a violation) or prevents the use of disposal of sewage sludge. The following statutory provisions and regulations or permits issued thereunder apply (or more stringent State or Local regulations): Section 405 of the Clean Water Act, the Solid Waste Disposal Act (SWDA) (including Title II, more commonly referred to as the Resource Conservation and Recovery Act (RCRA) and including State regulations contained in any State sludge management plan prepared pursuant to Subtitle D of the SWDA), the Clean Air Act, the Toxic Substances Control Act and the Marine Protection, Research and Sanctuaries Act.
- 24. Monthly Average The maximum allowable value for the average of all observations obtained during one calendar month. Compliance with the monthly average discharge limit is required regardless of the number of samples analyzed and averaged. Therefore, if only one sample is taken during the calendar month, results of the one analysis will be used to determine compliance with the monthly average.
- 25. Non-Domestic Septage The liquid or solid material removed from a private sewage disposal system (PSDS) or other sanitation holding device that receives industrial wastewater or a combination of domestic and industrial wastewater.
- 26. Pass Through A discharge which exits the POTW into waters of the United States in quantities or concentrations which, alone or in conjunction with a discharge or discharges from other sources, cause a violation of any requirement of the POTW's NPDES permit (including an increase in the magnitude or duration of a violation).
- 27. <u>Person</u> Any individual, partnership, co-partnership, firm, company, corporation, association, joint stock company, trust, estate, governmental entity or any other legal entity, or their legal representatives, agents or assigns. The masculine gender shall include the feminine, the singular shall include the plural where indicated by the context.

- 28. Portable Toilet Any portable or permanently installed sanitation apparatus or system which includes a tank for toilet waste retention. Portable Toilet includes sanitation holding devices from airplanes, trains, boats with type III marine sanitation devices, buses, movie dressing room trailers, recreational vehicles, or other similar transport vehicles.
- 29. Private Septage Disposal Facility (PSDF) A disposal site, other than a City designated discharge location, with a direct connection to the City sewer, which accommodates the discharge of hauled septage.
- 30. Publicly Owned Treatment Works (POTW) A treatment works as defined by Section 212 of the Clean Water Act which is owned by the State or municipality. This definition includes any devices and systems used in the storage, treatment, recycling and reclamation of municipal sewage or industrial wastes of a liquid nature. It also includes sewers, pipes and other conveyances only if they convey wastewater to a POTW treatment plant.
- 31. Resource Conservation and Recovery Act (RCRA) A Federal statute regulating the management of hazardous waste from its generation through ultimate disposal. The Act contains requirements for waste generators, transporters and owners and operators of treatment, storage and disposal facilities.
- 32. <u>Sanitary Wastewater</u> Wastewater of human origin derived from toilets, urinals, showers, baths and restroom sinks.
- 33. <u>Septage</u> The liquid or solid material removed from a private sewage disposal system (PSDS), portable toilet or other sanitation holding device that receives wastewater.
- 34. <u>Septage Hauler</u> A person or an owner/operator of a business that holds Septage Disposal Permit(s) issued by the Director to discharge septage to the City's P.O.T.W.
- 35. <u>Slug Discharge</u> Any discharge of a non-routine, episodic nature, including but not limited to an accidental spill or a non-customary batch discharge, which has a reasonable potential to cause Interference or Pass Through, or in any other way violate the POTW's regulations, local limits or permit conditions.
- 36. <u>Total Toxic Organics (TTO)</u> The sum of the masses or concentrations greater than 0.01 mg/l of the specific toxic organic compounds regulated by specific categorical pretreatment regulations which is found in the discharge at specific quantifiable concentrations.
- 37. Type III Marine Sanitation Device A device that is designed to prevent the overboard discharge of treated or untreated domestic sewage.
- 38. <u>Upset</u> An exceptional incident in which there is unintentional and temporary noncompliance with technology based permit effluent limitations because of factors beyond the reasonable control of the Industrial User, excluding such factors as operational error, improperly designed or inadequate treatment facilities or improper operation and maintenance or lack thereof.
- 39. <u>Wastewater</u> Liquid and water carried industrial and/or domestic wastes and sewage from facilities including, but not limited to, dwellings, commercial buildings, industrial facilities, agricultural activities, hospitals, medical facilities and other institutions, together with other wastes which may be present, whether treated or untreated, which enter the POTW.

APPENDIX A Fact Sheet

FACT SHEET Renewal Date: 09/01/2023

A. INDUSTRIAL USER INFORMATION

SUNSHINE CANYON LANDFILL 14747 San Fernando Road Sylmar, CA 91342 IU128862 W-535428

Paul Koster, Environmental Manager (818) 362-2258

B. DESCRIPTION OF FACILITY OPERATIONS

Sunshine Canyon Landfill is primarily engaged in receiving and processing municipal waste (SIC 4953). The landfill generates various liquid streams at the site including mildly contaminated seep water, leachate, gas system condensate, and gas well liquids. The seep water consists of three different streams which include cutoff wall water, mildly contaminated seep water impacted by the landfill, and subdrain water.

The different liquid streams generated at the landfill are presented below:

- 1. Gas Well Liquids: Gas well liquids are liquids pumped from the gas extraction wells in order to allow for removal of landfill gas (LFG) from the landfill. The gas condensate is collected at the low points in the gas collection system throughout the site and at the flare stations. The gas well liquids are stored in frac tank storage area and are pumped to the sewer lift station for direct sewer discharge.
- 2. Condensate: Gas condensate is produced due to the temperature drop that takes place as the LFG is conveyed from the gas extraction wells to the flare stations for combustion. Condensate is pumped to the frac tank storage area and then pumped to the sewer lift station for direct sewer discharge.
- 3. Seep Water: Spring (Seep) and underdrain water emerges and is collected throughout the landfill area. Seep water contains trace levels of VOCs. Seep Water sources may be treated in the on-site water reuse treatment systems or may be directly discharged. There are three types of Seep Water, each treated separately, as described below.
 - City Seep Water: collected from gravity drains under the old city portion of the landfill.
 - Cutoff Wall Water: subsurface water (groundwater) pumped from area near the front entrance of the site. This stream is similar in characteristics to the Seep Water.
 - Subdrain Water: spring water collected underneath the County landfill, and conveyed by gravity to the front entrance area of the landfill.
- 4. Leachate: The leachate is collected at the bottom of the lined disposal areas. Extraction pumps convey leachate streams to the treatment systems for on-site water reuse or directly to the direct sewer discharge.

Operation at the facility began in 1958. Sunshine Canyon Landfill operates six days per week and employs 60 personnel.

C. SAMPLE POINT DESCRIPTION/FACILITY FLOW INFORMATION

INDUSTRIAL	SAMPLE	FLOW PER OPERATIONAL DAY (GPD)		DESCRIPTION
WASTEWATER POINT POINT		TOTAL	PROCESS	
W-535428	01	300,000	300,00	Secured Sampling Facility is located at the Magnetic Flow meter Vault.
TOTAL		300,00	300,00	area

D. PROCESS UNIT OPERATION/FLOW INFORMATION

PERMIT	SAMPLE	PROCESS UNIT	PROCESS
NUMBER	POINT	OPERATION CODE	DESCRIPTION
W-535428	01	LWDB000	Landfill Leachate Collection

E. DILUTION/AUXILIARY OPERATION/FLOW INFORMATION

Sunshine Canyon Landfill does not generate any dilution wastestream that combines with a process wastestream prior to Sample Point 01.

F. FLOW MEASURING DEVICE

Sunshine Canyon Landfill has installed a flow measuring device to monitor the wastewater discharge to the City Sewer.

G. PRETREATMENT UNIT OPERATION(S)

Process wastewater generated from Gas Well Liquids, Condensate, Seep Water and Leachate flows through an on-site treatment system. Site liquids (deep leachate and gas condensate) are sent to the Tank Farm consists of sixteen (16) rectangular (frac) tanks, each with a capacity of 20,000 gallons. Condensate from the Trans. Line currently flows into Tank 1 and 2 while influent from the sumps, which is a mixture of condensate and leachate, flows into Tanks 3 & 4. Tanks 5 & 6 receive influent from deep leachate while liquids from lysimeter go into Tank 9. Some of the tanks are connected to one another by secondary piping units allowing transfer of liquids between tanks when needed (for example Tanks 6 & 7 and Tanks 2, 11 & 12). Each of the 16 tanks can be isolated via existing isolation butterfly valves.

Site liquids are then transferred into a lift station prior to discharge via booster pumps. Operation of the booster pumps are dictated by the liquid levels present in the tanks. Chemical treatment of the site liquids from the tanks to reduce dissolved sulfides (DS) a hydrogen peroxide (H_2O_2) is added in pipe downgradient of Tanks 1-6. Chemical addition of H_2O_2 is employed using a chemical feed system that consists of two metering pumps that draws H_2O_2 solution from H_2O_2 totes. The chemical feed flowrate can be manually adjusted depending on site conditions.

Treatment also includes a filtration system consisting of Basket strainers for additional large solids particles removal from the leachate. Baskets are cleaned periodically.

An ORP probe (ORP1) is installed in-pipe downgradient of Tanks 1-11 to monitor the Oxidation-Reduction Potential (ORP) of the combined site liquids coming from those tanks. A second H_2O_2 dosing point located downgradient of the leachate booster pumps. Subsequently, a second ORP probe (ORP2) is also installed after the second dosing point prior to the discharge lift station to ensure that the ORP remains within -5 mv to +5 mv range and that sufficient H_2O_2 has been added to achieve minimal to below detection effluent sulfide concentration. A third H_2O_2 injection point can be found on the effluent magnetic flowmeter piping unit downgradient of the lift station. Additional H_2O_2 can be added to the discharge to counter any ORP drop that may arise from any production of DS due to extended storage time/retention time in the piping units prior to discharge. An ORP3 probe is also located in the discharge line to measure the final ORP of effluent discharge. Underdrain water, do not undergo any pre-treatment combined with the treated effluent prior to discharging to the City Sewer through Sample Point 01.

INDUSTRIAL WASTEWATER PERMIT W-535428

PRETREATMENT UNIT OPERATION CODE	PRETREATMENT UNIT OPERATION DESCRIPTION
CX0010	CHEMICAL OXIDATION - DISSOLVED SULFIDE OXIDATION

H. POLLUTION PREVENTION

SUNSHINE CANYON LANDFILL has implemented the following pollution prevention practice(s).

POLLUTION PREVENTION PRACTICE CODE	POLLUTION PREVENTION PRACTICE DESCRIPTION
OPM60	Employee training
ОРМ70	Housekeeping

I. DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS

See permit, PART 2 - DISCHARGE LIMITATIONS. See permit, PART 3 - MONITORING REQUIREMENTS

J. REPORTING REQUIREMENTS

See permit, PART 4 - REPORTING REQUIREMENTS.

K. SPECIAL CONDITIONS

See permit, PART 5 - SPECIAL CONDITIONS.

L. STANDARD CONDITIONS

See permit, PART 6 - STANDARD CONDITIONS.

M. RATIONALE FOR EFFLUENT LIMITATIONS

Sunshine Canyon Landfill does not perform any of the operations covered under the Federal Pretreatment Categorical Standards. However, the Federal definition of Significant Industrial User applies to this facility because the process wastewater generated and discharged is greater than 25,000 gpd. As a result, Sunshine Canyon Landfill is required to comply with 40 CFR 403.12.

Since the total process wastewater from this facility is greater than 25,000 gallons per day, this facility is classified as a Significant Industrial User.

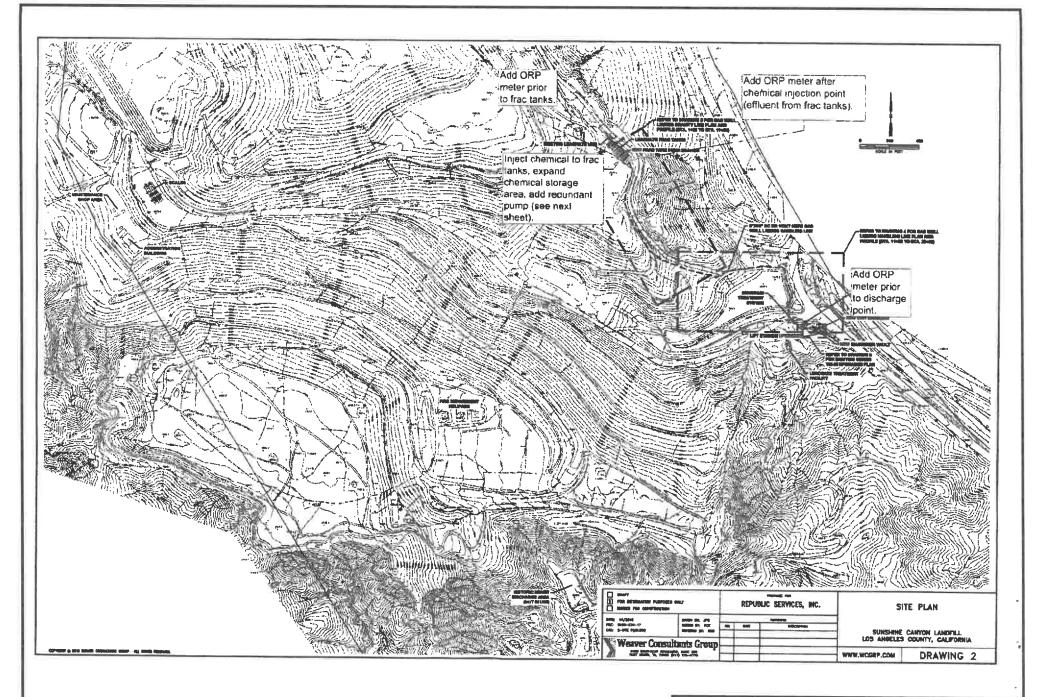
Sample Point 01 is the last point of discharge to the sewer system and the Local Limit applies at this point. One set of limits apply to the discharges from this facility to the City of Los Angeles sewer system: the Local Limits. Therefore, Sunshine Canyon Landfill is required to self-monitor for Local Limits semi-annually.

Sunshine Canyon Landfill has chosen to measure the average daily flow to sewer as stated in 40CFR 403.12. (e)(1).

Prepared By:	Date: _08/22/2023
Reviewed By: Nataly Dakak	Date: _08/22/2023

APPENDIX B

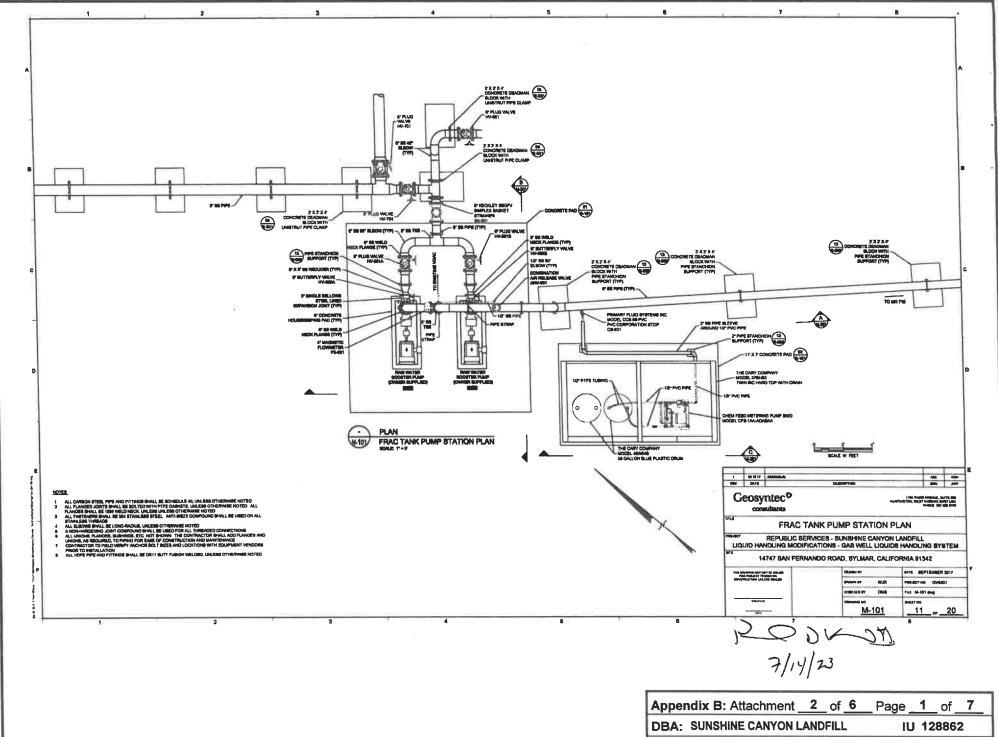
Attachments



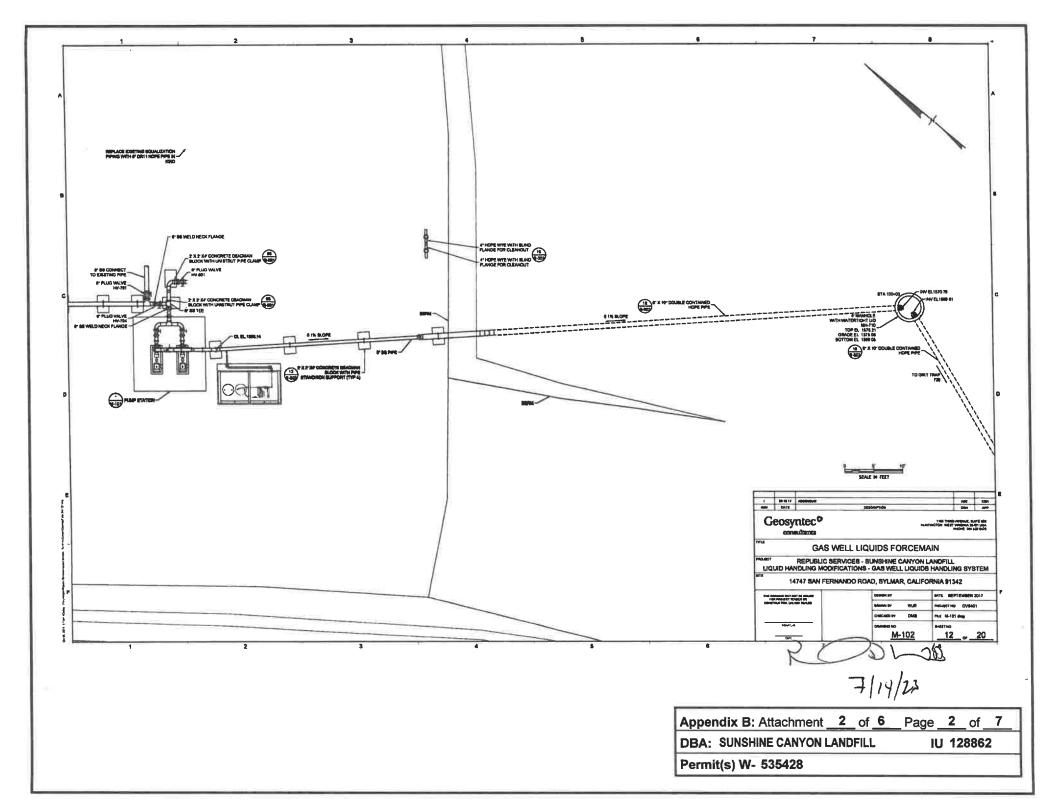
 Appendix B: Attachment __1 _ of __6 _ Page __1 _ of __1

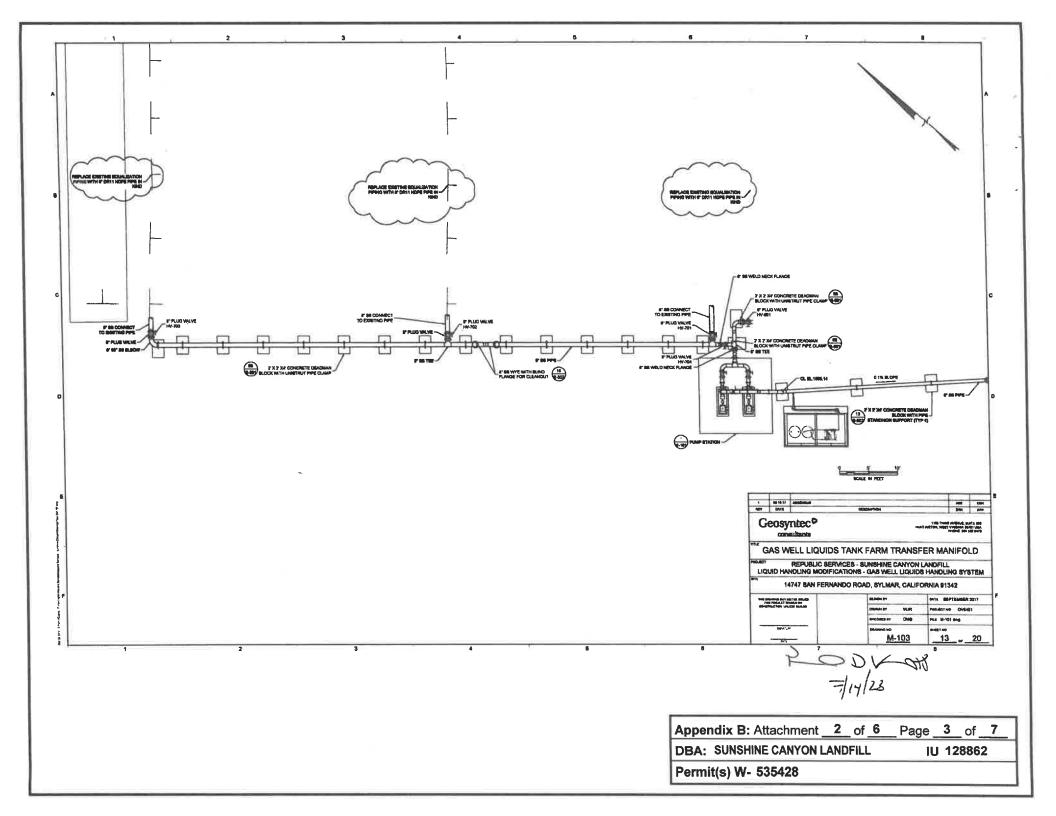
 DBA: SUNSHINE CANYON LANDFILL
 IU 128862

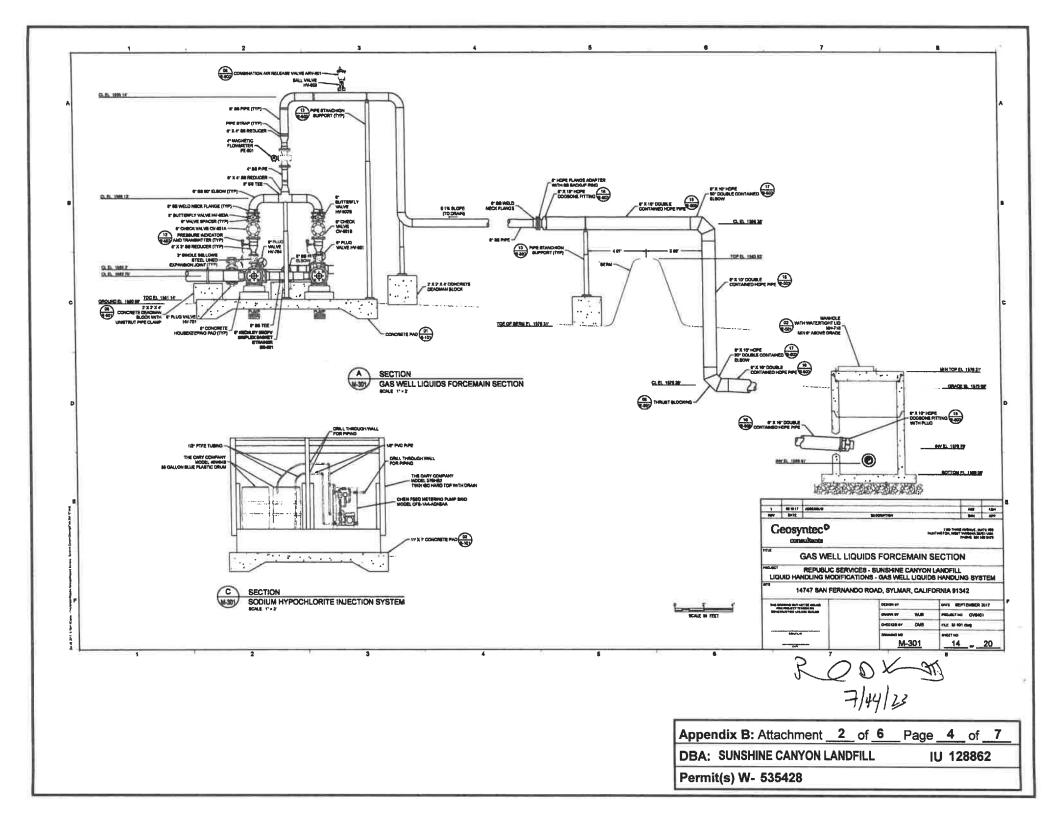
 Permit(s) W- 535428

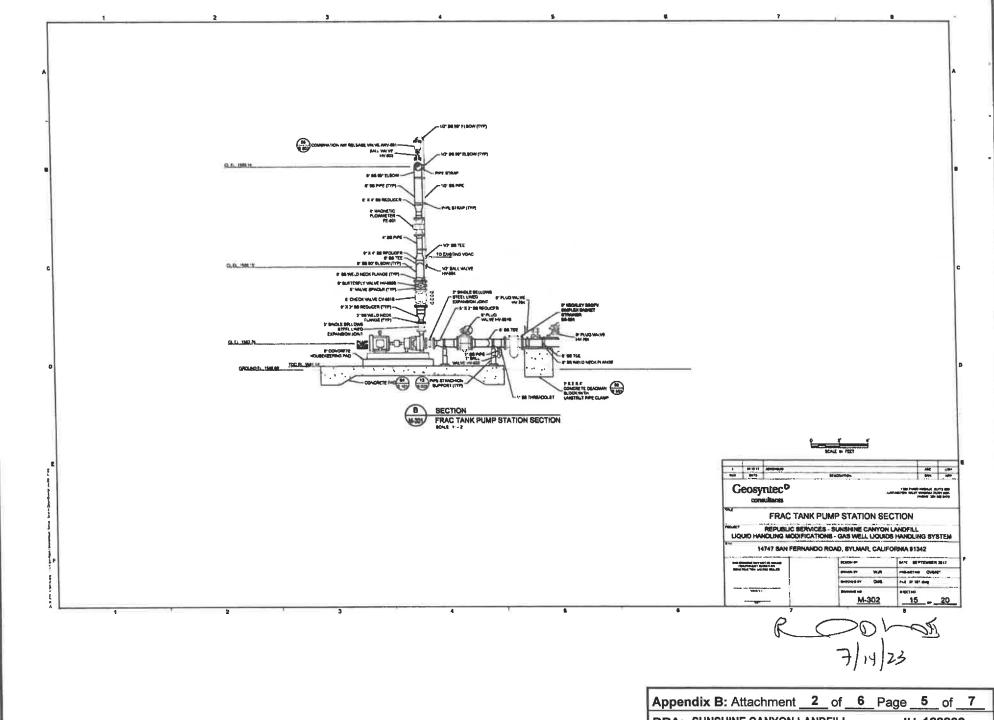


Permit(s) W- 535428





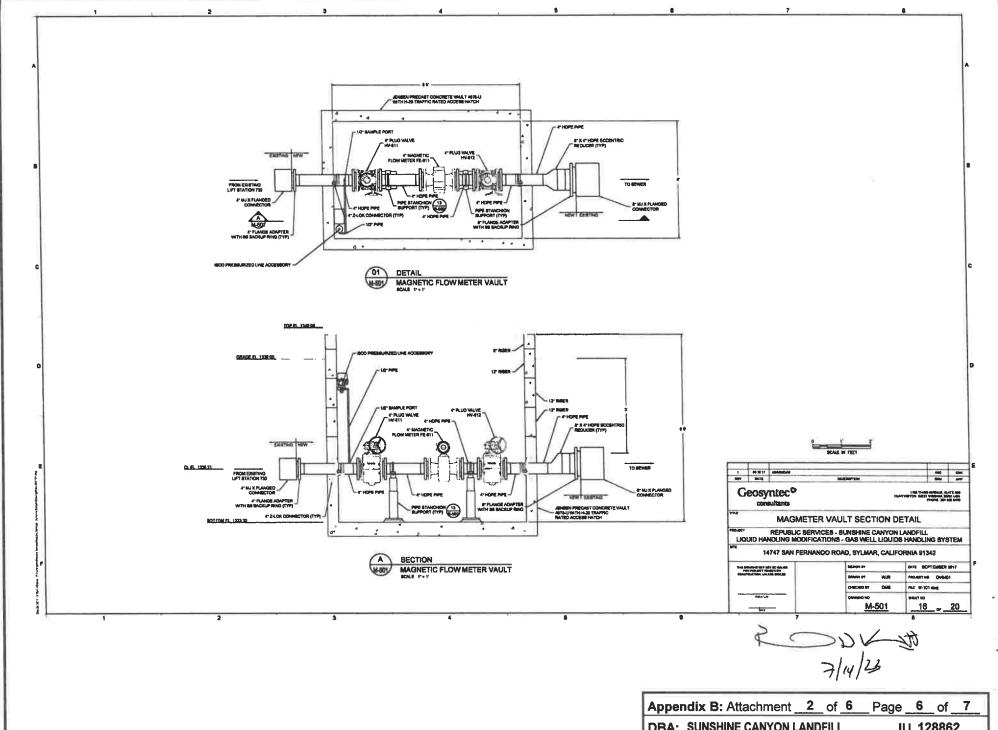




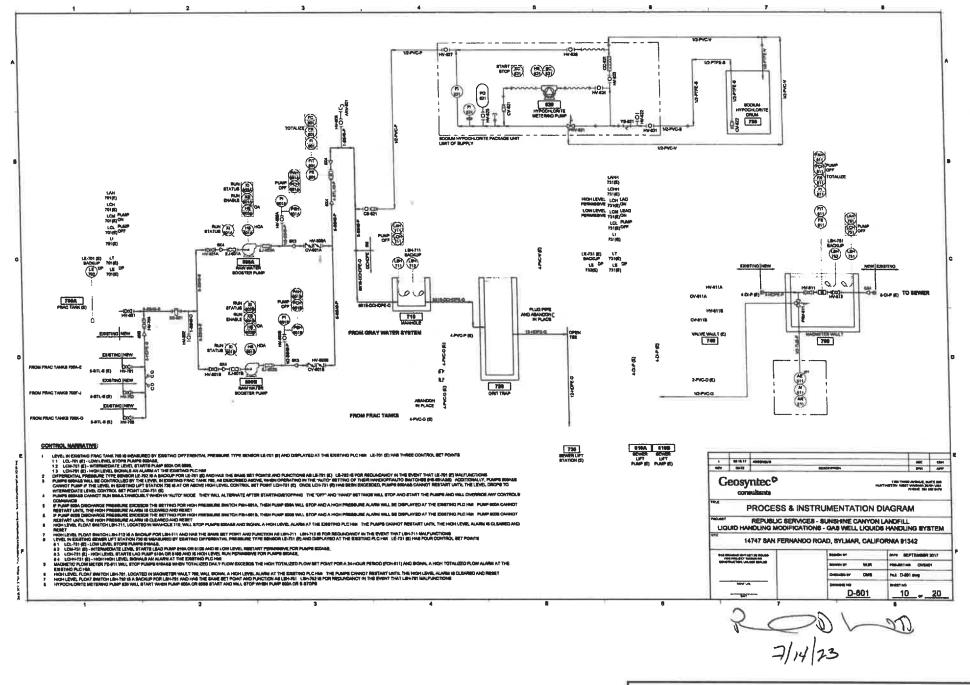
 Appendix B: Attachment
 2 of
 6 Page
 5 of
 7

 DBA: SUNSHINE CANYON LANDFILL
 IU 128862

 Permit(s)
 W- 535428



DBA: SUNSHINE CANYON LANDFILL IU 128862 Permit(s) W- 535428





SEWER FACILITIES CHARGE (SFC) **BONDED AND SPECIAL SEWER CONNECTION CERTIFICATE**



City of Los Angeles Department of Public Works Bureau of Engineering

FACILITY DESCRIPTION

INDUSTRIAL DISCHARGE

D

D

159708

JOB ADDRESS: 14747 N SAN FERNANDO ROAD Applicant Name: REPUBLIC SERVICES, INC.

Address: 18500 N ALLIED WAY City: PHOENIX State: AZ Zip Code: 85054

Phone No.: 818.362.2151

Date Issued: 05/24/2017 Engineering District: Valley

Issued By: Lee guilbeaux . VALLEY DISTRICT

Tract No. TR 10422 Lot No.: 1 1 9 APN: 2601011012 Previous Certificate

Issued: 2014811132 2015810613

Sewer Map No. 225-135-2,228-133-4,228-133-2

Sewer Permit No.: \$2014810129

Remarks SUNSHINE CANYON LANDFILL INDUSTRIAL WASTE PERMIT WAS \$ 5428

SEWER FACILITIES CHARGE CREDIT FLOW AFTER JULY 1, 1994

RATE LIMIT

QUANTITY

AMOUNT

Subtotal SFC Credited = \$0.00

SEWER FACILITIES CHARGE FLOW FEE FACILITY DESCRIPTION

RATE 386.00

UNIT GPD

CHANTITY

AMOUNT

182,000.00

\$702,520.00

Subtotal SFC Fee = \$702,520,00

Total SFC Amount Due =\$702,520.00 - \$0,00= \$702,520.00

BONDED SEWER FEES:

Bonded Sewar Fee = \$74.00 x = \$0.00 Bonded Lateral Fee # \$84,00 x = \$0.00

7% Surcharge for Bonded Lateral Fee= \$0.00

Total Bonded Amount Duc= 50.00

Date

The following Sewerage Facilities Charges have been paid for the above described property by the above signed in behalf of the owner and succeeding owners in accordance with Sections 64.11.2, 64.11.3,64.16.1, of the I. A.M.C..

CERTIFICATE NO.: D-

The following Sewer Fees (SPECIAL FEE)(BONDED) House Connection Sewer in accordance with Section 64.15 (B)/64.18 have been paid for (all) (a portion) of the property described above by the above signed in behalf of the owner and succeeding OWNERS.

Appendix B: Attachment 3 of 6 Page 1 of 1

CERTIFICATE NO.: C-2017810921

DBA: SUNSHINE CANYON LANDFILL

IU 128862

Permit(s) W- 535428

City of Los Angeles Bureau of Engineering

Sewer Capacity Availability Request (SCAR)

To: Bureau of Sanitation

The following request is submitted to you on behalf of the applicant requesting to connect to the public sewer system. Please verify that the capacity exists at the requested location for the proposed developments shown below. The results are good for 180 days from the date the sewer capacity approval from the Bureau of Sanitation.

Job Address:

14747 SAN FERNANDO RD Sanitation Scar ID:

60-3563-0317

Date Submitted

03/10/2017

Request Will Serve Letter?

No

BOE District:

Valley District

GEO-LOGIC ASSOCIATES, INC

Applicant: Address:

2777 E GUASTI RD STE 1

ONTARIO

State:

CA

City: Zip:

91761

Phone: Email:

530-632-1215

Fax: CBARRETT@GEO-LOGIC.COM BPA No.

14042-20000-05291

S-Map:

350

Wye Map:

228-137-3

SIMM Map - Maintenance Hole Locations

No.	Street Name	U/S MH	D/S MH	Diam. (in)	Approved Flow %	Notes
1	SAN FERNANDO RD	35001001	35001002	18	100.00	

Proposed Facility Description

No.	Proposed Use Description	Sewage Generation (GPD)	Unit	Qty	GPD
1	DEWATERING	1	GPD	300,000	300,000
			Proposed 1	otal Flow (gpd):	300,000

Remarks

1] Approved for the maximum allowable capacity of 300,000 GPD.(208.33 gpm). 2] Maximum allowable flow rate will be 250 gpm. not exceeding 300,000 gallons per day. 3] IWP is required.

Note: Results are good for 180 days from the date of approval by the Bureau of Sanitation

Date Processed: 03/13/2017

Expires On:

Submitted by:

Processed by:

Bureau of Sanitation Phone: 323-342-6207

Sanitation Status: SAN Review

Completed

Reviewed by: Ricardo Avendano

on 03/13/2017

Fees Collected

Yes

SCAR FEE (W:37 / QC:707) \$2,568,50

Date Collected

03/10/2017

SCAR Status:

Phone:

IRENE CHIA

Bureau of Engineering

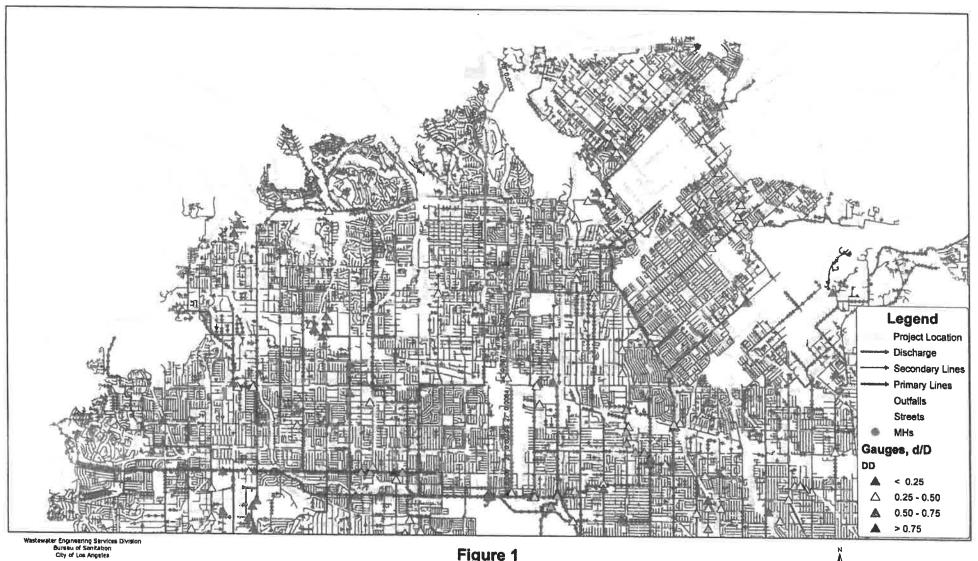
SAN Review Completed

Appendix B: Attachment 4 of 6 Page 1 of 1

DBA: SUNSHINE CANYON LANDFILL

IU 128862

Permit(s) W- 535428



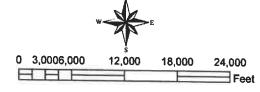






Thomas Brother Data reproduced with permission granted by THOMAS BROS MAP

Figure 1 14747 SAN FERNANDO RD. **Sewer Map**



Appendix B: Attachment 5 of 6 Page 1 of 1 DBA: SUNSHINE CANYON LANDFILL IU 128862 Permit(s) W- 535428

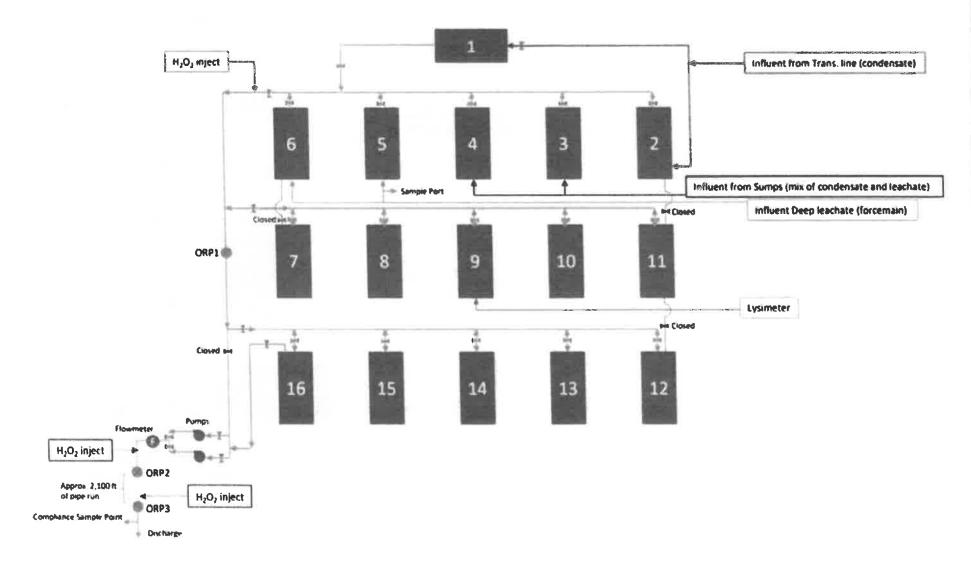


Figure II-2. Process Block Diagram of the Leachate Treatment System

Appendix B: Attachment	6	of 6	_Page <u>1</u> of <u>4</u>	
DBA: SUNSHINE CANYON L	AND	FILL	IU 128862	
Permit(s) W- 535428				

Below are a few images of the various components of the treatment facility:

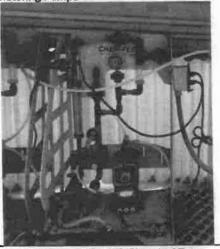
TREATMENT AREA	DESCRIPTION/PURPOSE
Tank Farm	16 rectangular frac tanks Provides storage and equalization for different site liquids (leachate, condensate)
Leachate Pumps	Transfer site liquid from frac tanks to the discharge sump Operation controlled by PLC based on tank levels
Basket strainers	Filter and remove large solids particles from the leachate Needs to be cleaned periodically

 Appendix B: Attachment __6_ of _6
 Page __2_ of __4

 DBA: SUNSHINE CANYON LANDFILL
 IU 128862

 Permit(s) W- 535428

Chemical Metering Pumps



- Pumps used to control dosing of H₂O₂ to chemically treat and remove dissolved sulfides (DS) from the leachate
- Operator manually adjusts dosing flowrate

Hydrogen Peroxide Storage Tank & Chemical Totes



 The tank is used to store bulk H₂O₂ while the tote is used for temporary storage of the oxidant



 Totes needs to be stored in shaded area to prevent degradation of chemicals that could make it less effective in treating DS

ORP Analyzers

- Measure and display ORP readings from ORP probes
- Indicates whether sufficient H₂O₂ dosage is added to minimize suffide levels

 Appendix B: Attachment __6 _ of __6 _ Page __3 _ of __4

 DBA: SUNSHINE CANYON LANDFILL
 IU 128862

 Permit(s) W- 535428

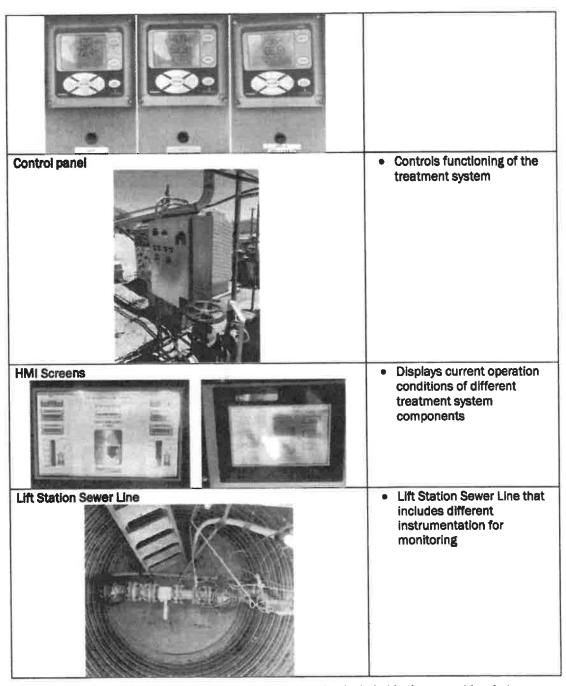


Table II-1 shows a list of the equipment and instrumentation included in the current leachate treatment system.

 Appendix B: Attachment 6 of 6 Page 4 of 4

 DBA: SUNSHINE CANYON LANDFILL IU 128862

 Permit(s) W- 535428

APPENDIX C

Self-Monitoring Report Form and Instructions

CITY OF LOS ANGELES LA SANITATION AND ENVIRONMENT

INDUSTRIAL WASTE MANAGEMENT DIVISION PERIODIC COMPLIANCE REPORT

SEND REPORT TO:

CITY OF LOS ANGELES

								lî 2	NDUSTRIAL WASTE MANA 714 MEDIA CENTER DR. L	AGEMENT DIVISION .OS ANGELES, CA 90065	
PERMIT W - 53	3 5428	IU- 128	3862		PH. # (818) 362-22	258					
DBA: SUNSHI	NE CANYON	LANDFILL					SAMPLE POINT NO.: 01-001				
ADDRESS: 14	747 San Fer	nando Road S	Sylmar, CA	91342			SAMPLE DESC: Secured Sampling Facility is located at Magnetic Flow meter Vault – Normal Operations				
FLOW INFORMATION											
DAILY FLOWR	ATES:			AUXILI	ARY FLOW ON DA	AY OF SAMPLING:			BATCH DISCHA	RGE ONLY	
1) SAMPLE DA	Y FLOW:			1) BOILE	ER BLOWDOWN:	-	GPD, []M []I	E []C		RATIONAL DAYS:	
2) AVE. FLOW MONITORIN	FOR THE	BPD, []M []I	≣ []C	2) NON-	CONTACT COOL		GPD, []M []I		DAYS		
	G	SPD, []M []E		3) DEMINERALIZATION/BACKWASH:			GPD, []M []I	E []C 2) NO. OF DAYS FOR ACCUM DAYS		I	
MAX. FLOW MONITORIN	FOR THE G PERIOD:			4) COOLING TOWER BLEEDOFF:			GPD, []M []E []C 3) DISCHARGE VOLUM		VOLUME:		
	G	GPD, []M []E	[]C	5) OTHE	RS,():	GPD, []M []I	≣ []C	GA	1	
					SAMPLIN	G INFORMATION					
SAMPLE TYPE	DA	TE	TI	ME	SPLIT	* PRE-	SAMPLED	LA	BORATORY	LABORATORY	
1112	START	END	START	END	SAMPLE (Y/N)	NOTIFICATION DATE	BY		NAME	CERT.#	
COMP											
GRAB											
DCC-Discharge Case Condition; TTO-Total Toxic Organic; CN-Cyanide MO-Monthly; BM-BiMonthly; QT-Quarterly; SA-SemiAnnual; AN-Annual; GPD-Gallons Per Day; M-Measured; E-Estimated; C-Calculated; COMP-Compostle; G-Grab; Mg/l-Milligrams Per Liter; PPD-Pounds Per Day					Report must be subm by the 15th day of the	FIFY CALL (323) 342-6200. itted with U.S. Post Office posts a month following the monitoring these reports shall not be accepted.	norled				
FOR OFFICIAL USE O		OSTMARK DATE: RECEIVED DATE:				UT BY:			EVIEWED BY:		

SAMPLE POINT NO.: 01-001 IU- 128862 PERMIT W- 535428	INDUSTRIAL WASTE MANAGEMENT DIVISION PERIODIC COMPLIANCE REPORT CITY OF LOS ANGELES LA SANITATION AND ENVIRONMEN						ENT	
SAMPLE DESC: End-of-pipe Normal Operations								
GRAB DATE: GRAB TIME:	COMP, START DATE	EN	D DATE:	COMP.	START TI	ME EN	ID TIME	
	LABORATOR	Y RESULTS						
		SAMPLE	TYPE	LAB	ORATORY	RESULTS	*VIOLATION	
ANALYTE		COMP	GRAB	CONCENTR	ATION	UNITS	YES	NO
Arsenic, Total								
Cadmium, Total					İ			
Chromium, Total								
Copper, Total								
Lead, Total								
Nickel, Total								
Silver, Total								
Zinc, Total								
Chloride								
Cyanide (Free)								
Cyanide (Total)								
Oil & Grease (Total)								
Dissolved Sulfides								
рН								
* SEE PERMIT FOR THE DISCHARGE LIMITS. IF IN VIOLATION, ATTACH A STATEMENT OF REASON FOR VIOLATION AND CORRECTIVE ACTION TAKEN. I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION. THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.								
AUTH. REPRESENTATIVE SIGNATURE PRINT N	AME		TITLE			DA	ΓE	- ₹

PERMIT W- 535428	IU- 128862	PERIODIC COMPLIA	CITY OF	LOS ANGELES	S, LA SANITA	TION AND EN	VIRONMENT	
DBA: SUNSHINE CANYO	N LANDFILL	SAMPLE POINT: 01-001						
		DISCHARG	E LIMITS: LOCA	\L				
			INSTANTA	NEOUS	DA	ILY	MONTHLY	
- ANA	LYTE	MONITORING	LIMIT	UNIT	LIMIT	UNIT	LIMIT	UNIT
Arsenic, Total		Semi-Annual	3	mg/l				
Cadmium, Total		Semi-Annual	15	mg/l				
Chloride		Semi-Annual						
Chromium, Total		Semi-Annual	10	mg/l				
Copper, Total		Semi-Annual	15	mg/l				
Cyanide (Free)		Semi-Annual	2	mg/l				
Cyanide (Total)		Semi-Annual	10	mg/l				
Dissolved Sulfides		Semi-Annual	0.1	mg/l				
Lead, Total		Semi-Annual	5	mg/l				
Nickel, Total		Semi-Annual	12	mg/l				
Oil & Grease (Total)		Semi-Annual	600	mg/l				
рн		Semi-Annual	11 - 5.5	នប				
Silver, Total		Semi-Annual	5	mg/l				
Zinc, Total		Semi-Annual	25	mg/l				
·								

SELF-MONITORING REPORT FORM INSTRUCTIONS

SECTION I:

FLOW INFORMATION

Report all flows in terms of Gallons Per Day (GPD) unless noted otherwise and check (✓) if the reported flow was (M) Measured, (E) Estimated, or (C)Calculated.

A. DAILY FLOWRATES

- A.1 SAMPLE DAY FLOW Enter the discharge flow during the sampling period (the day/s the sample was
 - A.2 AVERAGE FLOW FOR THE MONITORING PERIOD Enter the average daily discharge flow throughout the monitoring period. For example, if the report was submitted for the 1st Bi-Monthly monitoring period, the flow should be the average daily flow during the months of January thru February.
 - A.3 MAXIMUM FLOW FOR THE MONITORING PERIOD Enter the maximum discharge flow for a single day throughout the monitoring period.
- B. AUXILLARY FLOW ON DAY OF SAMPLING Provide a breakdown of the sources of auxillary flows during the sampling period. Possible sources are: B.1) Boiler Blowdown; B.2) Non-Contact Cooling; B.3) Demineralizer\ Backwash; B.4) Cooling Tower Bleedoff; and, B.5) Others (specify).
- C. <u>BATCH DISCHARGER ONLY</u> Applies to industrial users that discharge wastewater on a batch basis.
 - C.1 NO. OF OPERATIONAL DAYS Enter the number of days that manufacturing has been performed since last batch discharge.
 - C.2 NO. OF DAYS FOR ACCUMULATION Enter the number of days the wastewater has been accumulated since last batch discharge.
 - C.3 DISCHARGE VOLUME Enter the total volume of wastewater discharged per batch in gallons.

SECTION II:

SAMPLING INFORMATION

- A. SAMPLING DATES (COMPOSITE) Enter the start date and end date for the duration of the composite sampling.
- B. SAMPLING TIME (COMPOSITE) Enter the start time and end time for the duration of the composite sampling.
- C. SAMPLING DATE/TIME (GRAB) Enter the date and time the grab sample was collected.
- D. SPLIT SAMPLE (Y/N) Enter "Y=Yes" if the sample collected is a City split sample. Enter "N=No" if not.
- E. PRE-NOTIFICATION DATE Enter the date the City was pre-notified prior to planned sampling.
- F SAMPLED BY Enter the name of the person who collected the sample.
- G. LABORATORY NAME Enter the name of the laboratory who performed the analysis.
- H. LABORATORY CERT. NO. Enter the State Certificate Number of the laboratory who performed the analysis.

SECTION III:

LABORATORY TEST RESULTS

- A. GRAB SAMPLE DATE/TIME Enter the same information reported in Section II.C of instruction above.
- B. COMPOSITE DATE/TIME Enter the same information reported in Section II.A and II.B of instruction above.
- C. SAMPLE TYPE Check (✓) whether a composite sample or grab sample was used to analyze the analyte.
- D. LABORATORY RESULTS Enter the result (concentration) of the laboratory analysis and their corresponding units (e.g., mg/l, ppm). The laboratory report must be submitted along with the self-monitoring report.
- E. VIOLATION Check (✓) if any of the analytes exceeded the discharge limit. Refer to the discharge limits in Section IV of these instructions or the permit for the analyte of concern.
- F. SIGNATURE OF AUTHORIZED REPRESENTATIVE, ETC... Self Explanatory

SECTION IV:

FEDERAL AND LOCAL DISCHARGE LIMITS

A list of the federal and local discharge limits are attached as a guide for the industrial user to determine discharge violations as noted in Section III.E of instruction above. These pages need not be submitted.

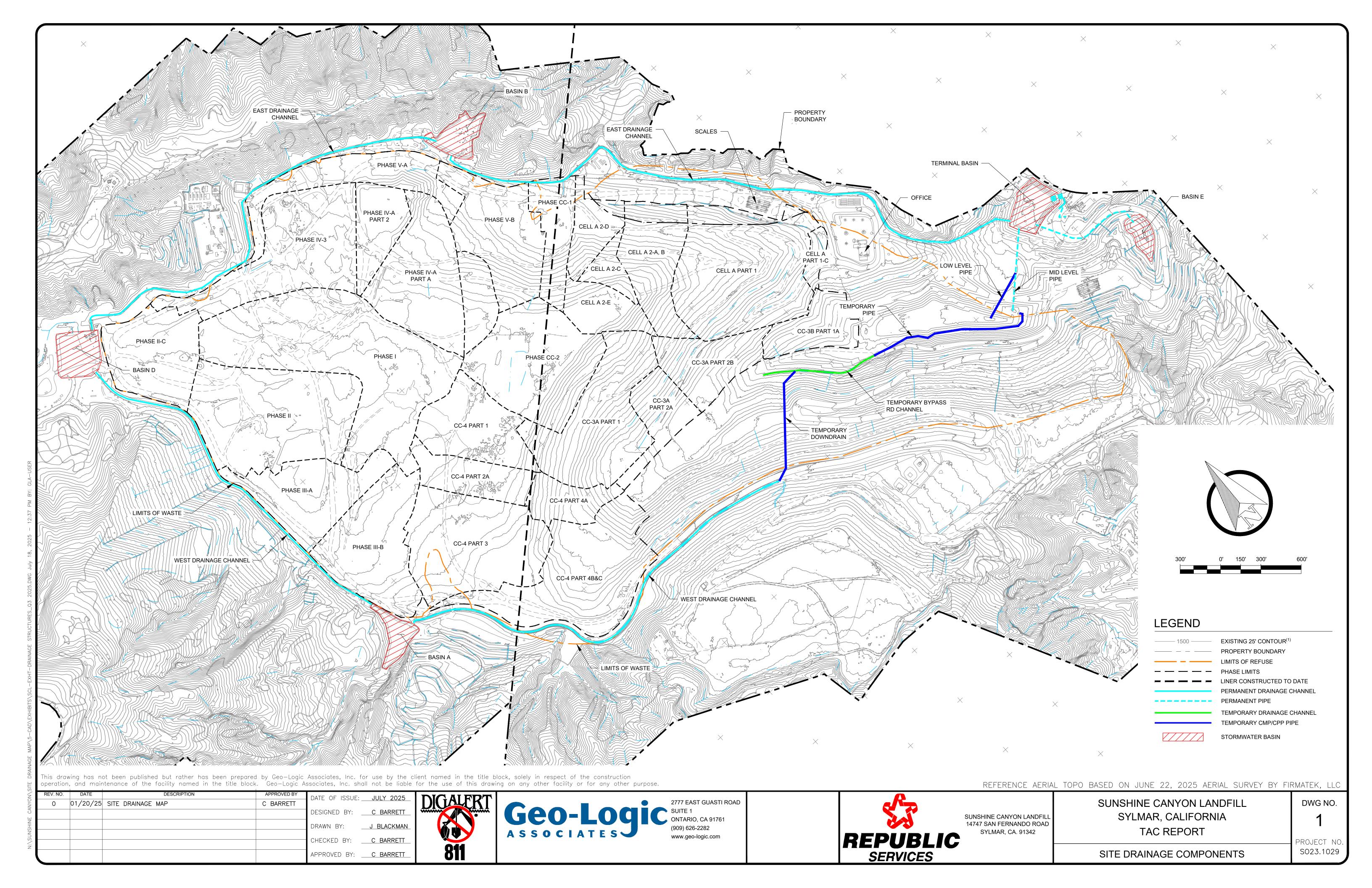
SECTION V:

CERTIFICATES/PRODUCTION DATA

These forms apply to an industrial user (IU) required to submit any of the following: 1) Cyanide Certification, 2) Zero Discharge Certification, 3) TTO Certification, and, 4) Production Data.

- A. FROM (date) TO (date) Enter the inclusive dates (monitoring period) on the form.
- B. SIGNATURE OF AUTHORIZED REPRESENTATIVE, ETC.. Self Explanatory
- C. FOR PRODUCTION BASED IU ONLY Enter the production data during the monitoring period including product description, quantity, and unit.











Los Angeles Regional Water Quality Control Board

October 24, 2016

Ms. Patti Costa, Environmental Manager Sunshine Canyon Landfill 14747 San Fernando Road Sylmar, CA 91342

APPROVAL OF REVISED WEST DRAINAGE CHANNEL MASTER PLAN - SUNSHINE CANYON LANDFILL, SYLMAR, CALIFORNIA (FILE NO. 58-076, ORDER NO. R4-2008-0088, GEOTRACKER GLOBAL ID NO. L10006014618)

Dear Ms. Costa:

The California Regional Water Quality Control Board, Los Angeles Region (Regional Board), is in receipt of your letter dated April 27, 2016, transmitting a revised *Surface Water Drainage Analysis, West Drainage Channel Master Plan, Sunshine Canyon Landfill* (Revised Plan), dated January 7, 2015, that was submitted to the State Water Resources Control Board Geotracker data system on April 27, 2016. The Revised Plan provides updated analysis and design details for the construction of the West Drainage Channel at the Sunshine Canyon City/County Landfill (Landfill), which is owned and operated by Republic Services (Discharger) and regulated under waste discharge requirements (WDRs) included in Order No. R4-2008-0088 adopted by this Regional Board on October 2, 2008.

The initial plan was submitted to the Regional Board on March 28, 2014. In a letter dated July 1, 2014 (copy attached), Regional Board staff provided comments that, among others, expressed concerns about potential damages that may be caused by differential settlements of the closed City Landfill No. 1, over which part of the drainage channel will be constructed. In addition, the letter included comments from the Los Angeles County Department of Public Works (LACDPW) on the technical aspects of the plan.

Reginal Board staff have reviewed the Revised Plan and has determined that comments included in our July 1, 2014, letter have been adequately addressed. Specifically, the Revised Plan proposes to use Geocell-reinforced concrete with a geogrid reinforcement layer in the foundation of the channel in areas underlain by the closed landfill unit. We concur that such a design is expected to be able to offset the effects of potential differential settlements of the existing waste mass. The Revised Plan is therefore approved. In accordance with Section K (Provisions for Drainage and Erosion Control) of the WDRs, all drainage structures at the Landfill shall be protected and maintained continuously to ensure their effectiveness. The Discharger is responsible to inspect, repair, and replace the drainage channel if damages occur during the active life and post-closure period of the Landfill

Please note that approval of the Revised Plan by the Reginal Board staff is in conjunction with its approval and clearance by other regulatory agencies, including the LADPW. In accordance

with Requirement M.3. of the WDRs¹, approval of the Revised Plan by the Regional Board does not release the Discharger from the responsibility of complying with any other laws and regulations that may be enforced by other regulatory agencies.

A public notice regarding this approval was sent to known interested parties on September 12, 2016, to meet General Provision No. M.22. of the WDRs, which states: "During oversight of this Order, wherever the Executive Officer is authorized to grant any approval under a particular provision of this Order, the Executive Officer is directed to assess if there is controversy associated with the decision following public notice and, if so, bring the decision to the Regional Board for approval." The deadline for submitting comments regarding this matter was October 12, 2016. We received no comments regarding this matter during the period.

If you have any questions, please contact Dr. Wen Yang, Chief of the Land Disposal Unit, at (213) 620-2253 or wyang@waterboards.ca.gov.

Sincerely,

Samuel Unger, P.E Executive Officer

Enclosure

Mailing List:

Leslie Graves, State Water Resources Control Board (Leslie.Graves@Waterboards.ca.gov)

Michael Wochnick, CalRecycle (Michael Wochnick@CalRecycle.ca.gov)

Gerardo Villalobos, Sunshine Canyon Landfill LEA (gvillalobos@ph.lacounty.gov)

David Thompson, Sunshine Canyon Landfill LEA (david.thompson@lacity.org)

Martin Aiyitiwa, Los Angeles County Department of Public Works (MAIYET@dpw.lacounty.gov)

Mohsen Nazemi, South Coast Air Quality Management District (MNazemi1@agmd.gov)

Richard Slade, Upper Los Angeles River Area Watermaster (ularawatermaster@rcslade.com)

Mitchell Englander, Councilmember, 12th District, City of LA

(councilmember.Englander@lacity.org)

Ly Lam, City of Los Angeles Department of City Planning (ly.t.lam@lacity.org)

Dave Nguyen, Los Angeles County Department of Public Works

(DNGUYEN@dpw.lacounty.gov)

Wayde Hunter, North Valley Coalition, Granada Hills (WHunter01@aol.com)

Wayne Aller, Knollwood Property Owners Association, Granada Hills

(wavnealler07@hotmail.com)

Becky Bendickson, Granada Hills North Neighborhood Council (bebend99@gmail.com)

Kim Thompson, Granada Hill North Neighborhood Council (kimthompson@socal.rr.com)

Requirement M.3. of the WDRs states: "These requirements do not exempt the Discharger from compliance with any other current or future law that may be applicable. They do not legalize this waste management facility, and they leave unaffected any further restraints on the disposal of wastes at this waste management facility that may be contained in other statutes."

Wayne Adelstein, North Valley Regional Chamber of Commerce (wayne@nvrcc.com)
Ralph Kroy, LA City Sunshine Canyon Landfill Community Advisory Committee
(REKroy@aol.com)

Robert Sherman, Republic Services (RSherman@republicservices.com)
Patti Costa, Republic Services (PCosta@republicservices.com)





November 15, 2024

Ms. Dorcas Hanson-Lugo SCL – LEA Program Manager Los Angeles County Department of Public Health – LEA Program 5050 Commerce Dr Baldwin Park, CA 91706

SUBJECT: UPDATED 2024 WET WEATHER PREPAREDNESS REPORT AND WINTER OPERATIONS PLAN - SUNSHINE CANYON CITY/COUNTY LANDFILL -NOVEMBER 2024

Dear Ms. Lugo:

In accordance with the Sunshine Canyon City/County Landfill (SCL), Solid Waste Facility Permit (SWFP) (Facility #19-AA-2000), Condition 16.I, SWT Engineering (SWT) has prepared this updated Wet Weather Preparedness Report and Winter Operations Plan (Wet Weather Preparedness Report) on behalf of Browning Ferris Industries of California, Inc. dba Sunshine Canyon Landfill, Inc. As reported in prior years, the goals of the Wet Weather Improvements installed at the SCL are classified under four categories:

- 1. **Sediment Management:** Consists of constructed measures to minimize suspended solids from the site runoff exiting the terminal basin;
- 2. **Erosion Control Measures:** Consists of features to prevent rainfall and runoff erosion of daily and intermediate soil layers that cover active refuse fill areas with the purpose of preventing storm water contact to buried refuse. This includes grading of soil covers to prevent surface ponding and subsequent storm water infiltration into the existing refuse fill;
- 3. **Maintenance:** Consists of maintaining existing storm water control structures serving both the active and the closed refuse fill areas; and
- 4. **Expansion:** Consists of installing new runoff control systems to meet the changing needs of the site due to ongoing fill operations.

Sediment Management and Erosion Control Measures – (Categories 1 and 2):

The following is a list of work that has been completed to address sediment management and erosion control on site (improvements shown on Drawings 1 and 2 attached):

• Installed 26 acres of Closure Turf (2017) to provide slope protection on slope areas east of the administration buildings (See Drawing 2);



- Inspected Filtrexx compost rolls at the toe of disturbed slopes throughout various areas of the site, and replaced/added rolls on an as needed basis;
- Inspected the basin risers filter fabric in Basins A, B, and D, replaced as needed;
- Cleaned the skimmer systems in the Terminal Basin to make sure they are functioning properly;
 - o Repaired the terminal basin outlet riser after the 2022/2023 storm damage;
- Track-walked slopes throughout the site to reduce slope erosion and allow establishment of seeded or native vegetation in non-active areas;
- Installed approximately ±13.0 acres of fiber rolls spaced at 15-feet vertically on landfill slopes;
- Graded active landfill decks to prevent erosion by avoiding overly steepened swales with deck berms;
- Placed and crushed recycled asphalt on top deck areas that will be utilized for wet weather filling;
- Installed approximately 6+ acres of coconut jute matting for slope protection;
- Hydroseeded approximately 12 acres as shown on Drawing 6
- Repaired perimeter drainage features and erosion rills; and
- Graded soil cover in active landfill areas to prevent surface ponding.

The following is a list of measures/protocols to be taken during the wet weather season, and specifically before and after rain events:

- Proactive identification of low areas due to routine settlement or natural erosion;
- Repair/regrading of these identified areas promptly; and
- If ponding is identified after a rain event, the area should be immediately identified for corrective action and regraded prior to the next rain event.

Maintenance and Expansion of Storm Water Control Systems - (Categories 3 and 4):

The following is a list of maintenance and new stormwater projects that have been completed on site (improvements shown on Drawings 1 and 2 attached):

- Removal of silt, gravel check dams, and vegetation from the perimeter channels;
- Cleanout of sediment from Basins A B, D, and the Terminal Basin;
- Cleaned the skimmer systems in the Terminal Basin to make sure they are functioning properly;
- Graded benches to promote positive drainage and reduce overtopping;



- Cleaned pipes and inlets of vegetation and litter;
- Fiber rolls were installed prior to down drain flumes/channels, and at the base of all stockpiles;
- Construction of Diversion Berms and swales were created or reconstructed to create flows towards drainage inlets/perimeter channels;
- Repaired and installed drainage pipes to convey stormwater to the perimeter;
- Sedimentation Basin E to Terminal Basin subsurface pipe interconnect was cleaned out;
- Installed drainage slides to help with temporary drainage areas;
- Repaired pipe joints and reset down-drains as required;
- Installed approximately ±12.5 acres of fiber rolls spaced at 15-feet vertically on landfill slopes;
- Installed ±8 acres of posi-shell soil binder/polymer on interim slopes;
- Installed additional slip lined channel down drains;
- Completed all diversion drainage berms to perimeter channels; and
- Repaired benches to control stormwater run-off.

Terminal Basin Riser Pipe Inspection Report was completed on September 25th, 2024 by SWT Engineering. The riser pipes and skimmer system were found to be in good working order and is further discussed in Attachment 2. As the previous damage that occurred in 2023 was due to a historic storm, no additional improvements are anticipated at this time.

The following is a list of measures/protocols to be taken during the wet weather season, and specifically before and after rain events:

- Proactive identification of erosion where trash is exposed and immediate correction once safe and feasible; and
- Install drainage diversion berms to the perimeter drainage channels.

Constructed/Maintained Sediment Management and Erosion Control Measures:

The following control systems were constructed prior to the 2024-2025 wet weather season that have remained in place as part of the site's overall stormwater management plan:

- 26 Acres of Closure Turf (2017)
- 6+ acres of coconut matting (2022-2024) on interim refuse fill slopes;
- Western perimeter drainage channel after sedimentation Basin A;



- Drainage Down Drain Pipe after the western perimeter channel;
- Drainage improvements along the northeast perimeter road;
- Repaired existing perimeter drainage features (channels, ditched/swales, berms, etc.);
- Track walked the site and installed fiber rolls in high erosion areas;
- Installed new down drain piping and slip lined channels;
- Repair the terminal basin skimmer system;
- Graded landfill decks to ensure drainage to the perimeter channels/basins in the northwest via pumping system; and
- Enhanced access roads to areas with potential for significant erosion to allow for prompt corrective actions should they become necessary during the wet weather season.

Planned Sediment Management and Erosion Control Measures:

As of the date of this Final Report, all items have been completed.

Sediment Management and Erosion Control Measures:

The SCL has the Entrance Road Improvements Construction Project which consists of four primary phases and is currently managed under a distinct Construction SWPPP overseen by Sukut Construction. Phase 1-3 have been completed (or near completion) and all post development BMP's have been installed. Phase 4 is still in construction and has Interim and post-development BMP's that are included in the Construction SWPPP and adhere to the requirements of the Construction General Permit (CGP). Phase 4 is broken into subphases A and B, in which Phase 4A is scheduled to be completed in December 2024, and Phase 4B is scheduled to be completed in Summer 2025. These measures are shown on the figures within Attachment 1 of this plan. A copy of the complete Construction SWPPP is available on SMARTS or per request.

Wet Weather Event Preparedness:

The Wet Weather Preparedness plan includes actions that will be taken prior to a predicted severe wet weather event. These measures will be taken at least 24 hours prior to the projected on-set of the event. The application of these additional measures will be based on an assessment of the existing site conditions prior to the event and what additional measures will be most effective in minimizing surface erosions. The additional measures may include some or all of the following actions:

Inspection of all onsite inlets to ensure they are clear;



- Drainage benches to be inspected ensure proper cambered to the inside hinge to reduce overtopping and erosion of the slopes;
- Additional fiber rolls/straw wattles will be placed on slope areas at approximately 15 vertical feet to slow stormwater flow as needed;
- Application of soil stabilizers based on availability similar to the Earthguard© brand containing polymers formulated specifically for stabilization of slopes on appropriate slope areas, where applicable; and
- Construction of additional stormwater control berms is necessary to direct stormwater flow to the appropriate existing on-site structures based on ongoing refuse filling operations.

The following is a list of measures that may be taken during a wet weather event:

- Temporarily discontinue operations if storm event interferes with operation or is deemed unsafe or hazardous and/or address weather impacts;
- Limit unnecessary work which could contribute to odors or unsafe working conditions during a rain event; and
- Delay installation and trenching of vertical wells and horizontal collectors until after the storm if feasible and safe.

The following is a list of measures that may be taken after a wet weather event:

- Site staff perform a "Post Rain Event Check" after every storm event in which they follow a check list for areas throughout the site. This includes the basins, closure turf, active refuse filling area, maintenance yard, top decks, etc. with complementary photos for reference. An example Check List can be found in Attachment C, in which this post rain event check helps the site to identify and correct any potential issue prior to the next rain event.
- Identify/document corrective measures and implement immediate repair when feasible and safe;
- Checks for any leachate seeps;
- Eliminate all ponded water within 48 hours after storm event, with pumps as necessary; and
- Implement protocols for odorous load management on an as-needed basis; which
 may include increased communication regarding wet/odorous loads with transfer
 stations ahead of arrival to landfill; diverting loads originating from known or recently
 identified odorous routes; and rejecting loads that are highly odorous.



Site Inspection:

The SCL was inspected throughout the spring and summer of 2024 to prepare the site for the 2024-2025 wet weather season by the following staff and 3rd party consultants:

Paul Koster Jeremy A. Botica, P.E. 81230, M.S.,

Environmental Manager
Sunshine Canyon Landfill
PKoster@republicservices.com
jab@swteng.com
jab@swteng.com

Cell: (818)-200-3016 Cell: (805)-479-3844

Jacob Friedman
Environmental Specialist
Sunshine Canyon Landfill
JFriedman@republicservices.com

Cell: (661)-190-3213

If you have any questions or require any additional information about this report or the SCL itself, please feel free to contact Paul Koster at (818)-200-3016.

Sincerely, Paul Koster, Environmental Manager Sunshine Canyon Landfill

ROSKOT	
	<u> 11/15/2024</u> .
Environmental Manager	Date

Enclosures:

Drawing 1: Constructed Northern Winterization Plan 1
Drawing 2: Constructed Southern Winterization Plan 2

Drawing 3: Planned Northern Winterization Plan 1 (all completed; not included)
Drawing 4: Planned Southern Winterization Plan 2 (all completed; not included)

Drawing 5: Drainage Patterns and BMP Plan 1
Drawing 6: Drainage Patterns and BMP Plan 2

Attachment 1: Entrance Road Improvements Construction Project - Erosion Control

Measures for Phase 4

Attachment 2: Terminal Basin Standpipe Inspection Form and Photos

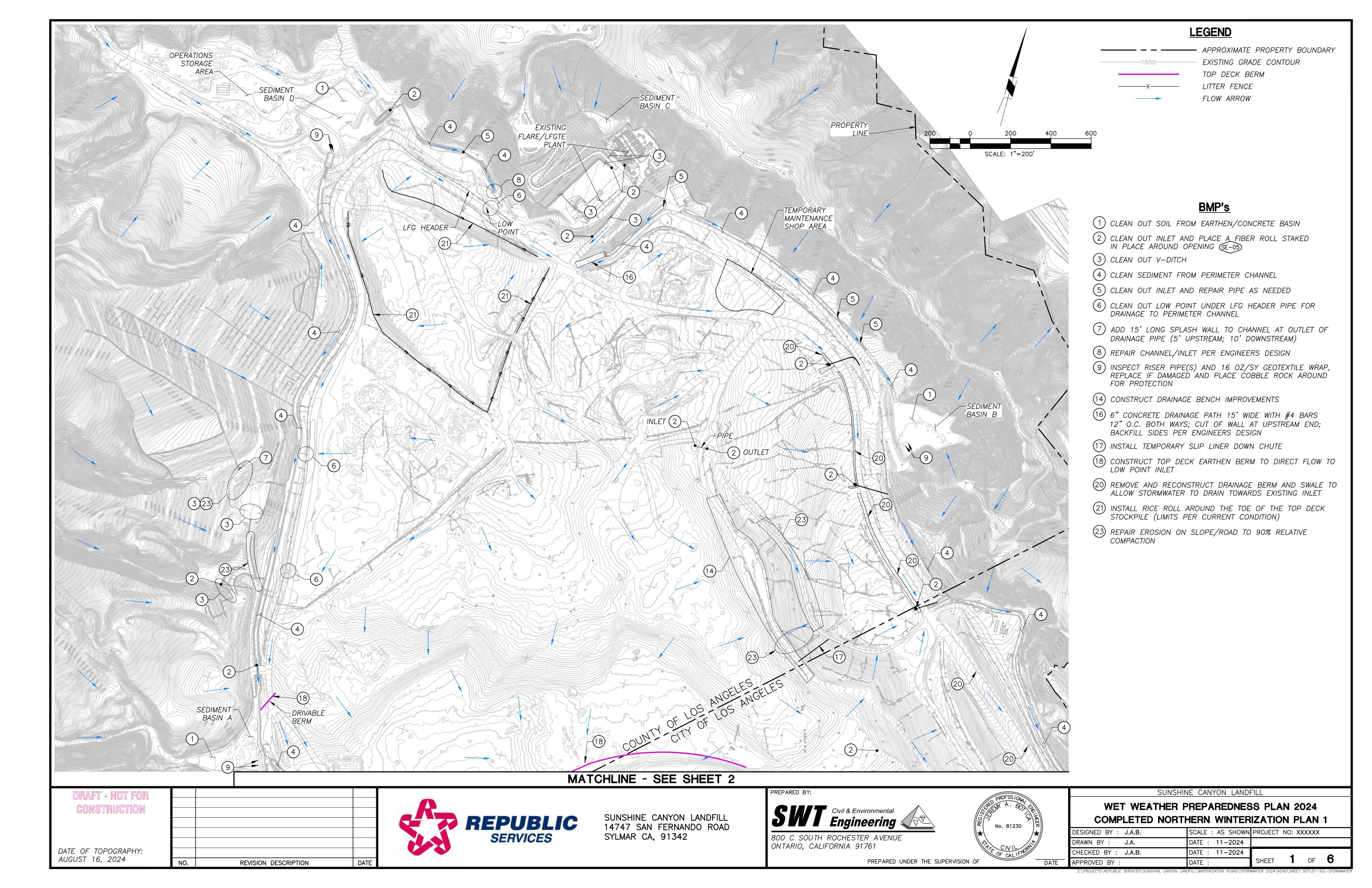
Attachment 3" Post-Rain Event Site Check List

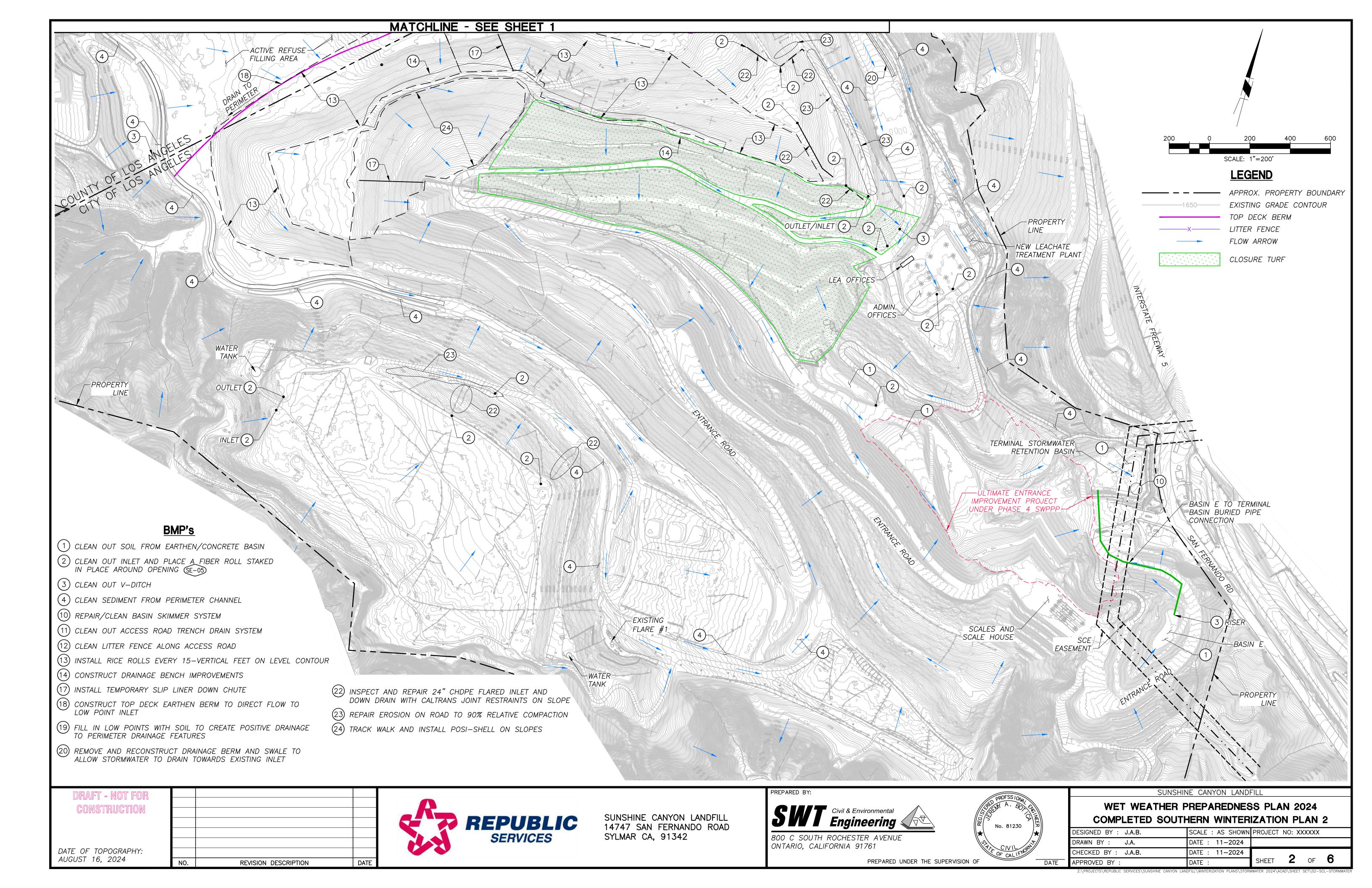


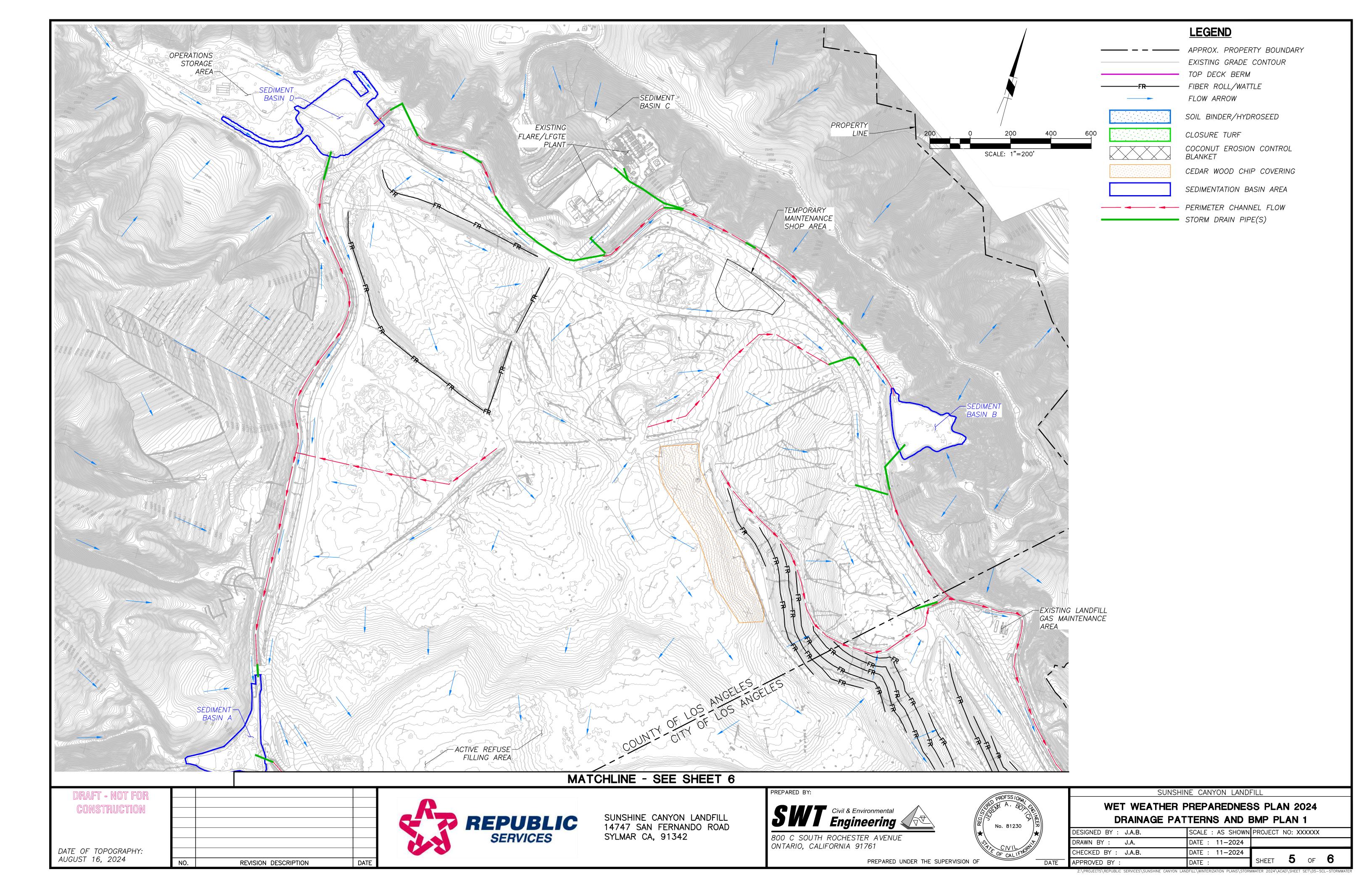
DRAWINGS

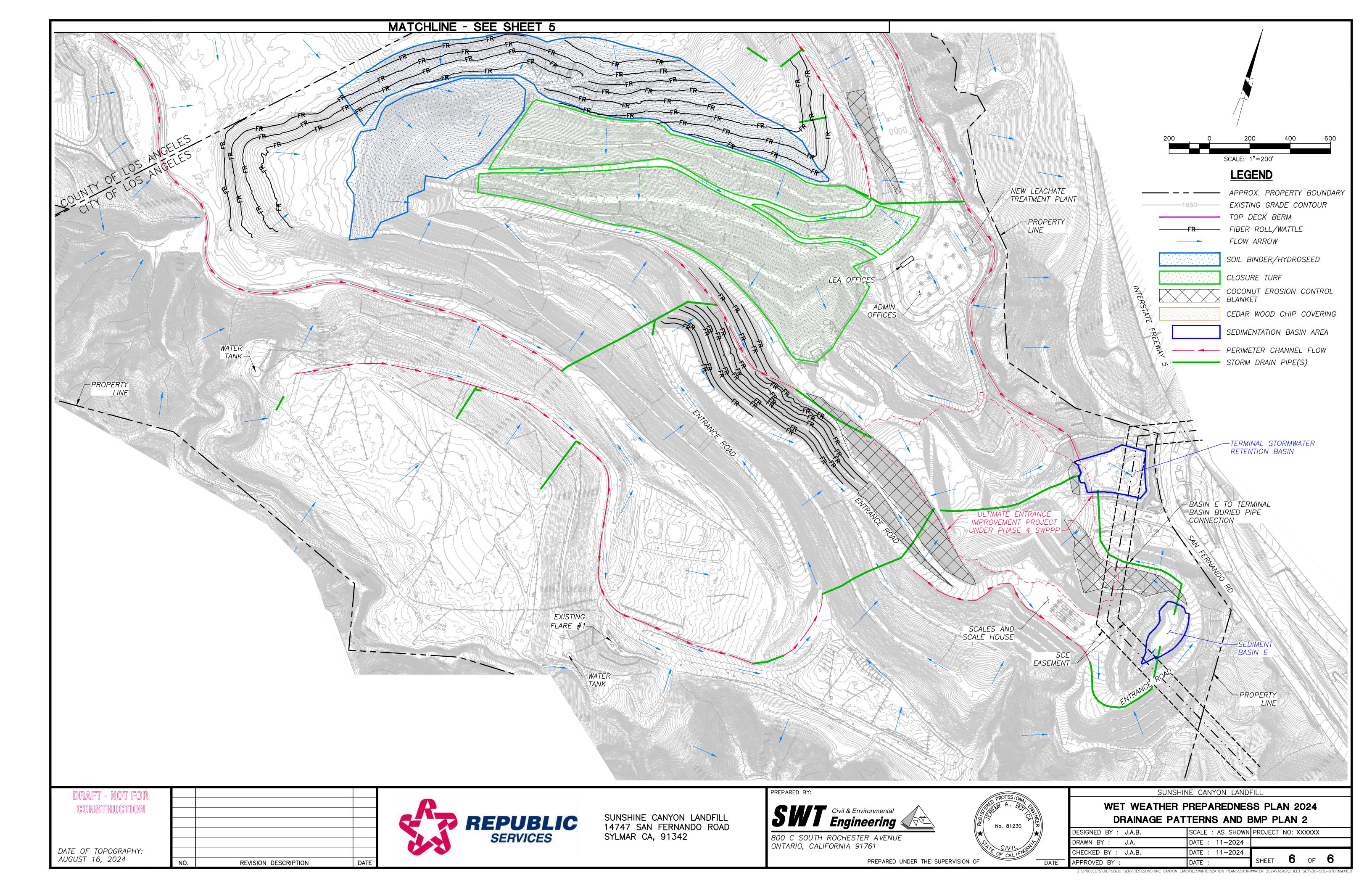
DRAWING 1: COMPLETED NORTHERN WINTERIZATION PLAN 1 DRAWING 2: COMPLETED SOUTHERN WINTERIZATION PLAN 2

DRAWING 5: DRAINAGE PATTERNS AND BMP PLAN 1 DRAWING 6: DRAINAGE PATTERNS AND BMP PLAN 2





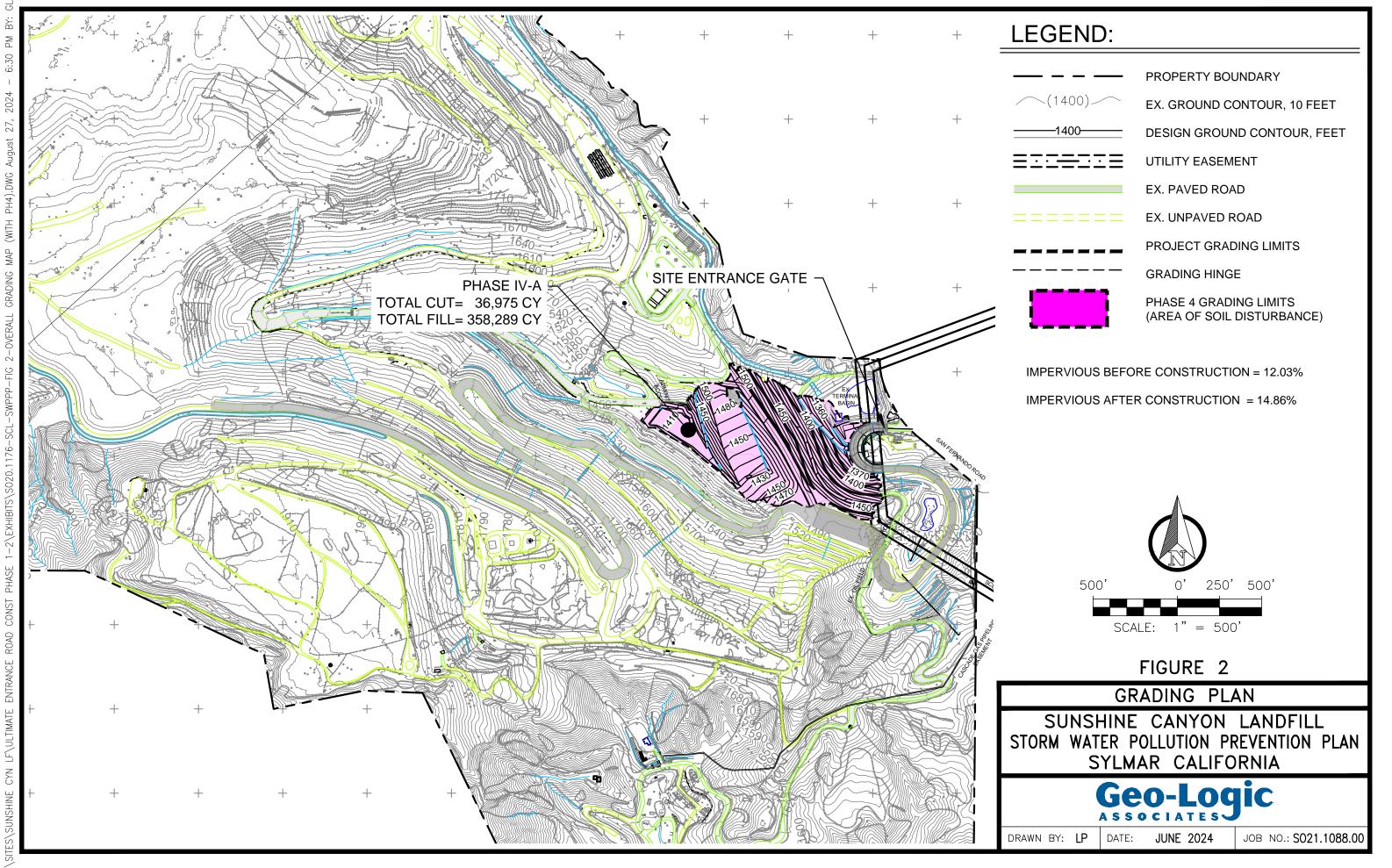


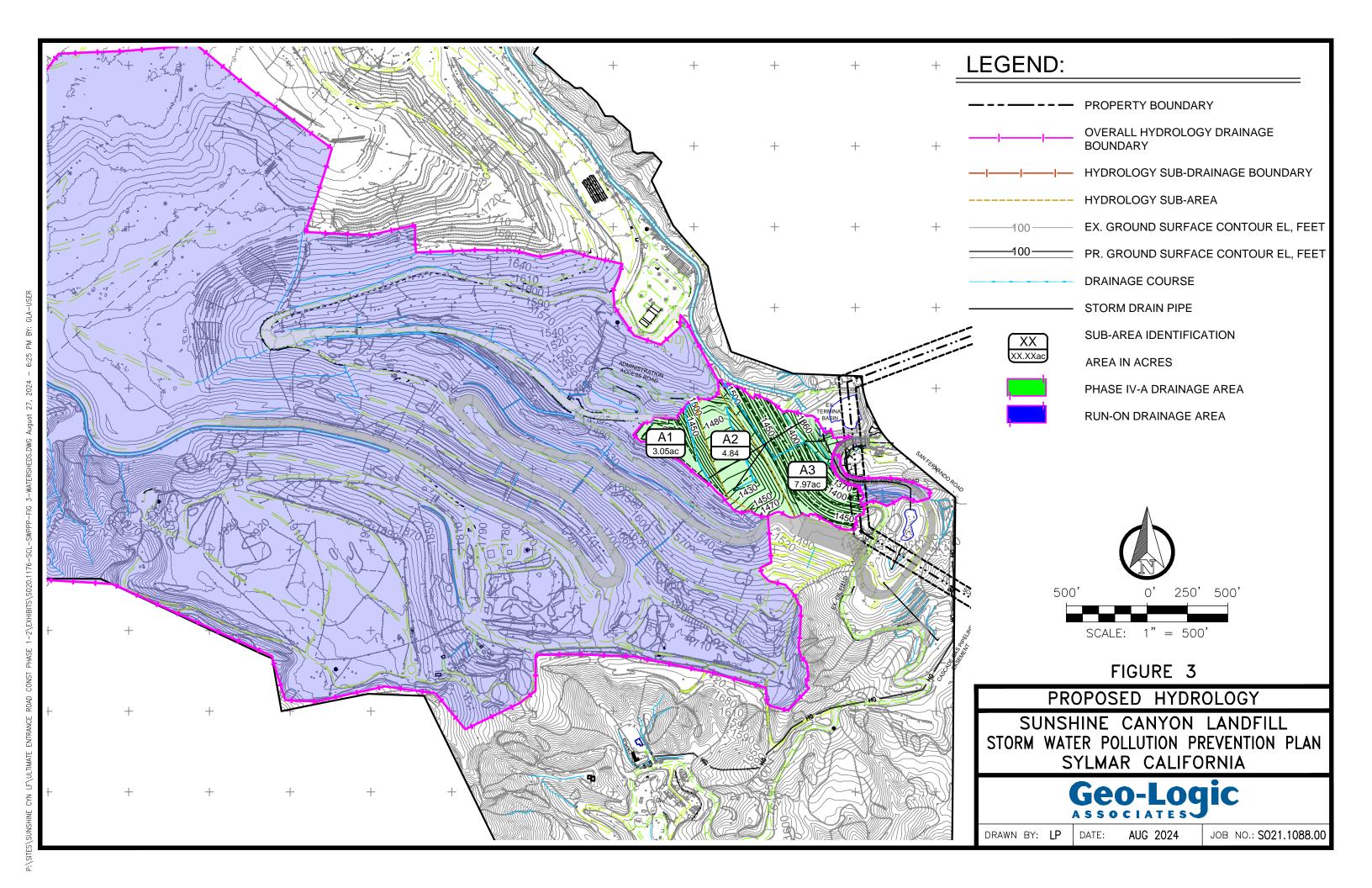


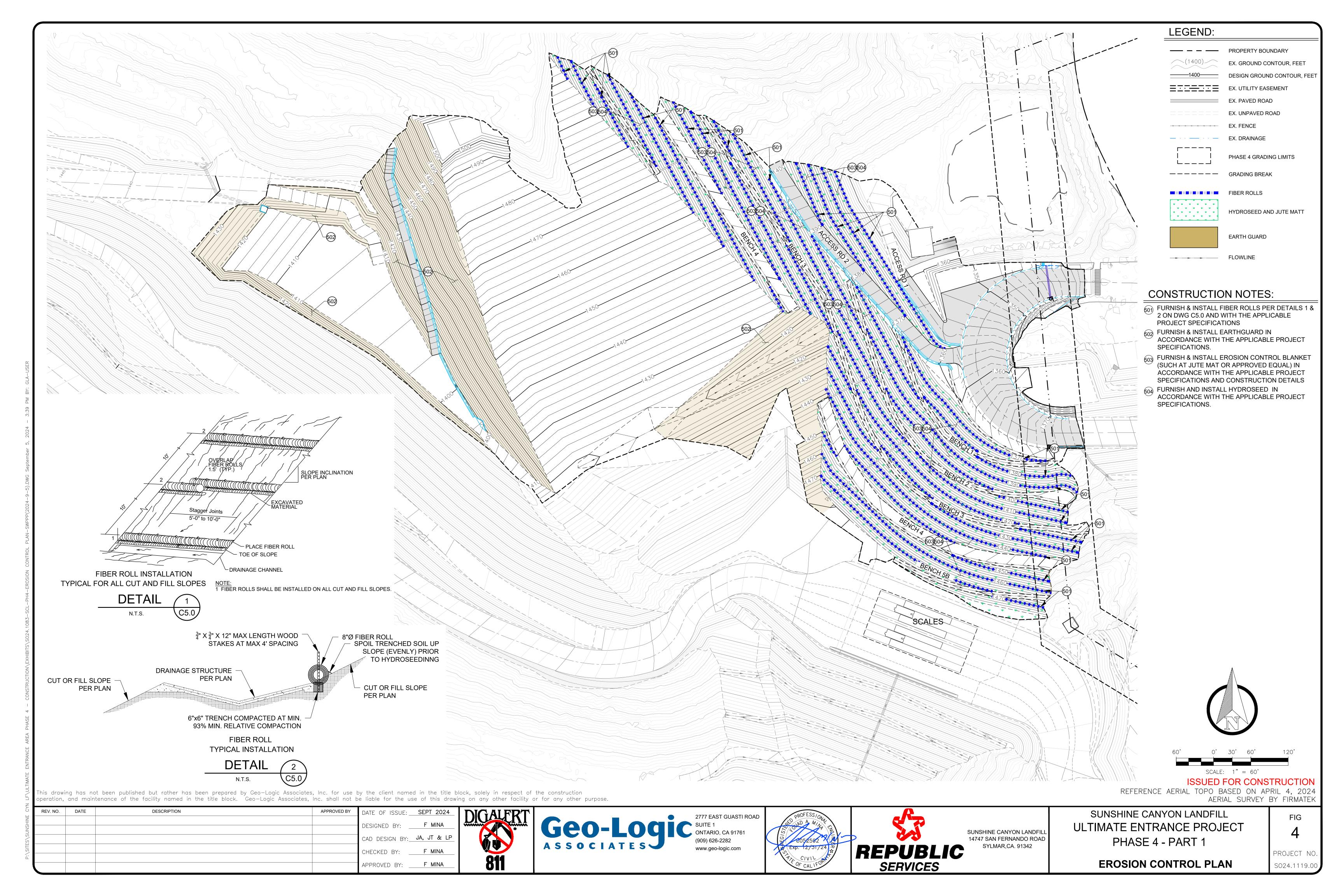


ATTACHMENT 1

ENTRANCE ROAD IMPROVEMENTS CONSTRUCTION PROJECT EROSION CONTROL MEASURES PHASE 4









ATTACHMENT 2

TERMINAL BASIN STANDPIPE INSPECTION FORM AND PHOTOS

Riser Pipe Inspection Report									
Date and Time of Ir	nspection: 9)/25/2024		Date Report Written: 9/27/2024					
Part I. General Info	ormation								
			Site Informa	ntion					
Facility Name: Sunshine Canyon Landfill									
Facility Address:	14747	San Fernanc	lo Road						
	Sylmar	, CA 91342							
Observed Damage:	Yes □	No 🏻	(If yes, use attacl	ned schematic to s	how locations)				
Photos Taken:	Yes 🛚	No □	Photos Reference Photos 1-8 A						
			Inspector Infor	mation					
Inspector Name:	Jeremy A.	Botica, P.	E., M.S.	Inspector Pr	oject Manager				
Signature:					Date: 9/27/20)24			
Part II. Observatio	ns (Describe	e deficiencie	s in Part III)						
				Failures or other short comings	Action Required	Action Implemented			
				(yes, no, N/A)	(yes/no)	(Date)			
Riser Pipes									
Riser pipes free of corrosion, etc.)	damage (i.e. d	cracks, dents	, deformation,	No Issues	No				
Trash racks are free	of debris			No Issues	No				
Vertical supports from not welded to pipe			deformation,	No Issues	No				
6" galvanized steel damage and camlo			nmer is free of	No Issues	No				

	Riser Pipe In	spection Report				
Riser pipes free of obstructions		No Issues	No			
Skimmers		'	-	'		
Winch and cable function correctly		No Issues	No			
Skimmer connection hose is free of kink degradation	ks, cracks, or UV	No Issues	No			
Fittings free of damage		No Issues	No			
Barrel extension pipe free of damage (i. deformation, corrosion, etc.)	e. cracks, dents,	No Issues	No			
Skimmer free of debris and able to rota	te as designed	No Issues	No Issues No			
Concrete						
Visible signs of cracking? (Provide deptl	h of crack if possik	No Issues	No Issues No			
Other signs of damage (i.e. separation a rebar, scaling, pop-outs, etc.)	at joints, exposed	No Issues	No Issues No			
Part III. Descriptions of BMP Deficien	cies					
Deficiency		Repairs Impl	emented:			
- Democracy	Start Date		Action			
1.						
2.						
3.						
4.						

Stormwater Pollution Prevention Plan (SWPPP)

Riser Pipe Inspection Report								
5.								
6.								
7.								

Riser 1





Exterior



Interior and Grate

Riser 2





Exterior



Interior and Grate

Riser 3 and Skimmers



Interior and Grate



Skimmers, connections good and winches work



ATTACHMENT 3

POST-RAIN EVENT SITE CHECK LIST

SCL Post-Rain Event Site Check

The SCL Post-Rain Event Site Check is meant for environmental team members to identify and document areas of concern throughout the entire site following a significant rain event. Any areas of concern identified should be photographed and followed up on with in a timely manner. Ponded water should be vacuumed out within 48 hours after a storm event. In addition to the areas listed below, all inlets and drainage channels should be checked to ensure that they are clear and drainage benches should be checked to ensure they are maintaining a cambered shape.

Area	Date	Ponding	Erosion	Silting	Exposed Trash	Notes
Front Entrance						
Terminal Basin						
Super Sump/Ph4						
Stockpile						
Closure Turf						
Switch Back						
Admin						
ССЗВ&ССЗА						
Bowl						
Basin B						
Eastment						
Pencil Tip						
Asphault/Bone Yard						
Maintenance Yard						
Stockpile						
Basin D						
CC4 P2 & P3						
Basin A						
Deck C						
Deck B						
Deck A						



Please match where photos taken on previous tab correlate to on the site map.

7







SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

Sunshine Canyon Landfill, Facility ID No. 49111

Odor Complaints Reported to South Coast AQMD Alleging SCL; and Notices of Violation (NOV) Summary from 2009 through June 2025

Public Nuisance: South Coast AQMD Rule 402; Calif. H&S 41700

														Total	Total
		Jan	Feb	March	April	May	June	July	August	Sept	Oct	Nov	Dec	NOVs	Complaints
2016	Complaints	100	188	185	181	30	74	52	85	206	193	206	59		1559
	NOVs	2	4	6	5	0	1	1	1	2	4	4	1	31	
2017	Complaints	200	254	274	116	19	10	14	30	44	27	22	18		1028
	NOVs	6	7	6	1	0	0	0	0	0	0	0	0	20]
2018	Complaints	32	18	21	9	5	9	16	6	33	21	2	36		208
	NOVs	0	0	0	0	0	0	0	0	0	0	0	1	1]
2019	Complaints	17	17	76	12	2	5	7	7	95	82	14	16		350
	NOVs	0	1	1	0	0	0	0	0	1	2	0	0	5]
2020	Complaints	29	17	12	33	98	20	23	82	105	121	18	22		580
	NOVs	0	0	0	0	2	1	0	1	3	4	0	1	12]
2021	Complaints	7	10	3	22	4	31	27	71	55	74	59	83		446
	NOVs	0	0	0	1	0	0	0	2	1	2	0	0	6]
2022	Complaints	158	84	58	38	17	40	12	40	85	64	25	32		653
	NOVs	5	1	0	1	0	2	0	0	2	1	0	0	12	
2023	Complaints	226	191	146	185	32	22	34	264	148	230	130	113		1721
	NOVs	6	7	5	11	1	0	1	9	4	6	7	4	61]
2024	Complaints	204	474	272	266	18	31	47	65	179	405	141	85		2187
	NOVs	9	17	9	6	0	0	0	0	5	11	6	2	65]
2025	Complaints	118	340	304	215	129	46								1152
	NOVs	3	12	9	6	4	0							34	

 Total R402 NOVs Issued to Date
 18,298

 Total R402 NOVs Issued **
 410

^{*} Includes 8,414 Complaints from 2009 through 2015

^{**} Includes 163 NOVs from 2009 through 2015

^{***} Includes eight NOVs from 2011 through 2015

	lon	Feb	March	Anril	Mov	lung	ludy.	August	Cont	Oot	Nov	Doo	
	Jan	reb	March	April	May	June	July	August	Sept	Oct	Nov	Dec	
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
Rule													
	1												
2017	0	0	0	0	0	0	0	0	0	0	0	0	0
Rule													
2018	1	0	0	0	0	0	0	0	0	0	0	0	1
Rule	3002, 431.1												
	1		1		1								ı
2019	0	0	0	0	0	0	0	0	0	0	0	0	0
Rule	J												
F	1	_	I -		1 -	I .	_				I -	I .	
2020	0	0	0	0	0	0	0	0	0	0	0	0	0
Rule	J												
2021	0	0	0	0	0	0	0	0	0	0	0	0	0
Rule	0	U	U	U	U	U	U	U	U	U	U	U	U
Rule	l												
2022	0	0	0	0	0	0	0	0	0	0	0	0	0
Rule			_										-
	4												
2023	1	0	0	0	1	0	1	2	1	0	0	0	6
Rule	403				402		403	403	403				
	_												
2024	0	1		0	1	0	0	0	0	0	0	0	2
Rule		1150.1			403								
2025	0	0	0	0	0	0						0	0
Rule													

^{*} Includes 8,414 Complaints from 2009 through 2015
** Includes 163 NOVs from 2009 through 2015

^{***} Includes eight NOVs from 2011 through 2015 July 8, 2025





State of California – Natural Resources Agency DEPARTMENT OF FISH AND WILDLIFE South Coast Region 3883 Ruffin Road San Diego, CA 92123 (858) 467-4201

November 27, 2017

www.wildlife.ca.gov

Chris Coyle
Republic Services, Inc.
14747 San Fernando Road
Sylmar, CA 91342
CCoyle@republicservices.com

Dear Mr. Coyle:

Complete Notification of Lake or Streambed Alteration Notification No. 1600-2017-0220-R5 Chatsworth Reservoir Wetland/Riparian Mitigation Program

On October 26, 2017, the California Department of Fish and Wildlife (CDFW) received your Notification of Lake or Streambed Alteration (Notification). On November 27, 2017, your Notification was deemed complete.

CDFW is required to submit a draft Lake or Streambed Alteration Agreement (Agreement) to you within 60 calendar days from the date the Notification is complete, if CDFW determines that an Agreement is required for the project. An Agreement will be required if CDFW determines that your project could substantially adversely affect an existing fish or wildlife resource. Therefore, CDFW has until January 26, 2018, to issue you a draft Agreement or inform you that an Agreement is not required.

Please be advised that you may not proceed with any work until CDFW executes an Agreement, informs you that an Agreement is not needed, or does not provide you with a draft Agreement within 60 days of the date your notification was deemed complete.

If you have questions regarding this letter, please contact Brock Warmuth, Environmental Scientist, at 805-962-4698 or by email at brock.warmuth@wildlife.ca.gov.

Since My,

Ering Wilson

senior Environmental Scientist (Supervisory)





State of California – Natural Resources Agency DEPARTMENT OF FISH AND WILDLIFE South Coast Region/Region 5 3883 Ruffin Road San Diego, CA 92123



January 26, 2018

Chris Coyle Republic Services, Inc. 14747 San Fernando Road Sylmar, CA 91342 CCoyle@republicservices.com

(858) 467-4201 www.wildlife.ca.gov

Subject:

Notification of Lake or Streambed Alteration No. 1600-2017-0220-R5 Chatsworth Reservoir Wetland/Riparian Mitigation Program Project

Dear Mr. Chris Coyle:

As the California Department of Fish and Wildlife (Department) explained in a previous letter to you dated November 27, 2017, the Department had until January 26, 2018 to submit a draft Lake or Streambed Alteration Agreement (Agreement) to you or inform you that an Agreement is not required. The Department did not meet that date. As a result, by law, you may now complete the project described in your notification without an Agreement.

Please note that pursuant to Fish and Game Code section 1602(a)(4)(D), if you proceed with this project, it must be the same as described and conducted in the same manner as specified in the notification and any modifications to that notification received by the Department in writing prior to November 27, 2017. This includes completing the project within the proposed term and seasonal work period and implementing all avoidance and mitigation measures to protect fish and wildlife resources specified in the notification. If the term proposed in your notification has expired, you will need to re-notify the Department before you may begin your project. Beginning or completing a project that differs in any way from the one described in the notification may constitute a violation of Fish and Game Code section 1602.

Also note that while you are entitled to complete the project without an Agreement, you are still responsible for complying with other applicable local, state, and federal laws. These include, but are not limited to, the state and federal Endangered Species Acts and Fish and Game Code sections 5650 (water pollution) and 5901 (fish passage).

Finally, if you decide to proceed with your project without an Agreement, you must have a copy of this letter <u>and</u> your notification with all attachments available at all times at the work site. If you have any questions regarding this matter, please contact Erinn Wilson at (562) 342-7172 or Erinn.Wilson@wildlife.ca.gov

Sincerely,

Senior Environmental Scientist (Supervisory)



To: Republic Services and LADWP

From: Ray Corbett, JMA

Date: March 17, 2018

Subject: Native American Consultation regarding Chatsworth Reservoir project

After completion of the draft report on the results of Phase II Investigations at the Chatsworth Reservoir APE, I circulated the draft report (attached) along with the consultation letter (attached) among our consulting Native American Tribes for this project. Subsequently I followed up with phone calls to the respective Tribal representatives. All of the comments were positive and each tribe expressed satisfaction with the Phase II Investigation program and the ensuing draft report. All of the comments except one came through phone conversations. The single written response is attached.

I will finalize the Phase II Investigation report and submit it to the South Central Coastal Information Center of the California Historical Resource Information System located at California State University, Fullerton.

This completes the Native American consultation process for this phase of the project. In light of this, it would be appropriate to resurrect work on the MND Addendum.

If I can answer any questions please let me know.

Sincerely,

Ray Corbett, Ph.D., RPA Principal Archaeologist

JMA

February 27, 2018

Dear Dr. Corbett,

Thank you for providing the draft report on the Chatsworth Reservoir Phase II Investigations. After review of the document provided by your office I would like to commend John Minch & Associates for generating an excellent report on the project. I am satisfied with the results of the Phase II archaeological field work performed in response to Tribal concerns surrounding the proximity of known prehistoric archaeological sites and the project's APE.

The Gabrielino Tongva Nation will look forward to continuing consultation and participation as the Chatsworth Reservoir Wetland and Riparian Mitigation Project progresses. As discussed in previous conversations, we look forward in providing tribal cultural resource monitoring when the need arises.

Sincerely,

Sam Dunlap Cultural Resource Director Gabrielino Tongva Nation (909) 262-9351 cell Tribal responses to a request for Native American Consultation regarding the *Initial Study and Draft Mitigated Negative Declaration for Chatsworth Reservoir Wetland and Riparian Mitigation Program* and *Phase I Cultural Resources Survey for the Chatsworth Reservoir Wetland Riparian Restoration Project.*

Dear Dr. Corbett.

In response to the Chatsworth Reservoir Wetland and Riparian Mitigation Project. After reading the Phase 1 Cultural Resource Survey, I strongly feel that the disturbance to this area would affect cultural resources along with various plant communities. As documented, there are sensitive sites, the water that has pushed through at one time could have very well carried any items of significance.

Thank you for you conscious effort in supporting Cultural Resources.

Sincerely,

Eleanor Arellanes Fishburn Barbareno/Ventureno Band of Mission Indians PO Box 5687 Ventura, CA 93005

Notes from phone conversation with Mr. Anthony Morales, Chairperson, Gabrielino/Tongva San Gabriel Band of Mission Indians.

The fact that there was a reservoir there indicates there was water and this means there would be villages in the area, so we consider this to be important to our tribe and we, (the Gabrielino/Tongva San Gabriel Band of Mission Indians) want to be involved with any monitoring regarding this project.

Dr. Corbett,

The SYBCI Elders will not be getting involved in this project, but would like to make some comments about the protection and preservation of cultural resources;

- 1. They agree that additional survey and studies need to take place in and around the area are in order to better categorize the sites that do exist within the APE;
- 2. The survey plan for this project needs to be completed in consultation with tribes and agreed to by those involved;
- 3. Native American advisor/consultant need to be present during the surveys, as well as during any ground disturbing activities;

- 4. A plan needs to be created for long term preservation, in consultation with tribes. because once completed, this will more than likely become a refuge for wildlife and with that comes folks that interested in nature, i.e. bird watching, walking, plant viewing, etc.;
- 5. If at all possible, it would be nice to have available for tribes to possibly gather in the area plants that they would traditionally use.

These would be the comments and suggestions for this area. If there is no response from any of tribes, please advise and I will inform the Elders to see if they may want me to participate based on non-involvement by the tribes.

I look forward to hearing from you.

Freddie Romero Cultural Resources Coordinator SYBCI Elders Council 805-688-7997 X4109 805-403-2873

.....

Notes from phone conversation with Mr. Robert Dorame, Chairperson, Gabrielino Tongva Indians of California Tribal Council. In the course of our phone conversation he said that he believed that the area was "highly sensitive" and that any ground disturbing activity be monitored by Native Americans. He went on to say that the monitoring should be rotated among Tribes. He informed me that he would not submit written comments (because of his busy schedule), but that he wanted what he conveyed to me by phone to serve as his Tribe's comments.

Dear Dr. Corbett,

Thank you for contacting the Gabrielino Tongva Nation for the purpose of Native American consultation regarding the Chatsworth Reservoir Project. The project area lies within the traditional tribal territory of the Gabrielino Tongva Nation and the following comments are intended to express the concerns of our Tribe.

After review of the material provided by your office I am of the opinion that further archaeological investigation is needed to properly assess the recent discovery of the archaeological sites found within the project area by JMA during their site survey. I believe archaeological data recovery is warranted given the history of the project area.

As the project area is within our tribal territory the Gabrielino Tongva Nation is culturally affiliated to any prehistoric cultural items that may be discovered during new archaeological testing as well as any archaeological items already recorded within the project area and its vicinity.

The Gabrielino Tongva Nation also requests that a Native American monitor from our tribal group be present during all phases of archaeological testing and future subsurface construction activity associated with the Chatsworth Reservoir project. The Native American monitor will be a documented tribal member of the Gabrielino Tongva Nation.

I hope that my comments and concerns are helpful to this consultation process. Please feel free to contact me as this project moves forward.

Sincerely,

Sam Dunlap Cultural Resource Director Gabrielino Tongva Nation 909-262-9351 cell

Attn: Dr. Corbett, JMA

Thank you for providing the Torres Martinez Desert Cahuilla Indians with the notifications of your projects. However after having reviewed the information you have been providing and the locations of your projects it is apparent that you are out of our traditional use area. Therefore we wish to defer projects to other tribes closer to the area.

Respectfully, Michael Miralez Cultural Resource Coordinator Torres-Martinez DCI

Office: 760-397-0300 Ext: 1213 Email: mmirelez@tmdci.org

The Gabrielino Band of Mission Indians – Kizh Nation communicated through a phone conversation that they wanted subsurface testing of the archaeological sites within the APE and that all ground disturbing activity be monitored by a Native American representative. Furthermore, by email the Tribe provided the following:

"The Chatsworth Reservoir area is definitely in Kizh Tribal Territory. Bernice Johnston (1962) identifies the Chatsworth area as in Gabrielino (Kizh) territory and states as to its sensitivity:

"Many a modern community in the San Fernando Valley can boast of an Indian predecessor. From Tujunga to Chatsworth archeological sites (i.e. village sites) abound..."(Johnston 1962:125).

McCawley (1996) also includes the Chatsworth area as Gabrielino (Kizh) territory and specifically about Chatsworth Reservoir:

"Melendrez (Kizh informant) reported to Harrington that a rancheria, or Indian community, existed near Chatsworth Reservoir. 'Melendrez v'd [volunteered]. . . that one long rancheria extended from where we were [probably northwest of Chatsworth Reservoir] a couple of miles to the

Triunfo ward [southwestward] of where we were and that fragments of shell, etc., are picked up in this whole stretch.' According to Harrington, Melendrez implied that 'the name of that rancheria was El Escurpion de las Salinas'. . . ""

Respectfully submitted,

Ray Corbett, Ph.D., RPA Principal Archaeologist

JMA

April 28, 2017

ERIC GARCETTI Mayor

Commission
MEL LEVINE, President
WILLIAM W. FUNDERBURK JR., Vice President
JILL BANKS BARAD
CHRISTINA E. NOONAN
AURA VASQUEZ
BARBARA E. MOSCHOS, Secretary

DAVID H. WRIGHT General Manager

June 13, 2017

Ms. Patti K. Costa, P.E. Environmental Manager Sunshine Canyon Landfill 14747 San Fernando Road Sylmar, CA 91342

Dear Ms. Costa

This letter is to request that Republic authorize its consultant, JMA, to conduct additional studies as requested by the Native American Consultation survey findings. As discussed in our conference call on May 31, 2017, due to the request from some Tribes for additional studies, Republic/JMA will perform the requested additional studies, with permission from the Los Angeles Department of Water and Power (LADWP)

JMA will conduct additional studies on some or all of the archaeological sites in the Chatsworth Mitigation Project Area (Project Area), including additional survey, testing, and data recovery. There should be monitoring during of all ground-disturbing activity related to the project, and, to the extent possible, Native American tribes that specifically requested that their Tribe be involved with the monitoring should be included in the plan.

LADWP gives Republic permission to perform additional archaeological studies to include Tribes that request to be involved in the monitoring. Additionally, LADWP will allow tribal members who request to collect plants from the Project Area, to do so, subject to the scheduling of appointments and the availability of resources to provide access to the site.

If you have any questions regarding this matter, please contact Ms. Julie Van Wagner, Environmental Supervisor at julie.vanwagner@ladwp.com or me at heidi.hiraoka@ladwp.com.

We look forward to continue working with you on this project.

Sincerely.

Heidi HK Hiraoka

dudtk thenox

Manager of Property Management

bc: Julie Van Wagner Chuck Holloway Mark Sedleck

June 13, 2017

Ms. Patti K. Costa, P.E. Environmental Manager Sunshine Canyon Landfill 14747 San Fernando Road Sylmar, CA 91342

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If you have any questions regarding this matter, please contact Ms. Julie Van Wagner, Environmental Supervisor at <u>julie.vanwagner@ladwp.com</u> or me at <u>heidi.hiraoka@ladwp.com</u>.

We look forward to continue working with you on this project.

Sincerely,

Heidi HK Hiraoka Manager of Property Management



January 31, 2018

Dear Tribal Chairperson,

As the Archaeological Principal Investigator on the Chatsworth Reservoir Wetland and Riparian Mitigation Project, I am following up with an update regarding the results of Native American Consultation and the subsequent Phase II investigation for the sites in the project APE. In March 2017, I sent to Tribes the document titled *Initial Study and Draft Mitigated Negative Declaration for Chatsworth Reservoir Wetland and Riparian Mitigation Program* as well as the draft of our report documenting the archival research and the results of our pedestrian survey titled, *Phase I Cultural Resources Survey for the Chatsworth Reservoir Wetland Riparian Restoration Project, Los Angeles County, California.* My accompanying letter requested consultation, solicited input and welcomed any comments or questions from Tribes regarding cultural resources on this project. In April I followed up with phone calls and emails to tribes.

Gratefully, I received substantive comments and input from a number of Tribes which I compiled and forwarded to the property owner, the Los Angeles Department of Water and Power (LADWP). Summarizing the responses, the substantive comments primarily concerned three issues. 1) A number of Tribes requested that additional studies be conducted on some or all of the archaeological sites in the Chatsworth Area of Potential Effect (APE). Comments specifically mentioned additional survey, testing, and data recovery. 2) Virtually all Tribes commented that there should be Native American monitoring of all ground-disturbing activity related to the project and a few Tribes specifically requested that their Tribe be involved with the monitoring. 3) One Tribe requested that tribal members be allowed to gather plants from the Chatsworth Reservoir site for traditional purposes.

In the subsequent discussions in response to the Native American comments, The LADWP authorized the mitigation contractor, Republic Services, to commission additional investigation of the archaeological sites, Tribal monitoring of ground disturbing activity, and for tribal members to collect traditional plants. In August-September 2017, John Minch and Associates Inc. (JMA) conducted the Phase II investigations with the assistance and participation of tribal members. Attached is the recently-completed report on these investigations. Please review the draft report and I welcome and appreciate any comments or feedback. And if I can answer any questions please let me know.

Sincerely,

Ray Corbett, Ph.D., RPA Principal Archaeologist JMA



November 29, 2016

Patti Costa Sunshine Canyon Landfill Republic Services, Inc. 14747 San Fernando Road Sylmar, CA 91342

Subject: Update on Archaeological Services Performed for Chatsworth Reservoir Mitigation MND Addendum.

Dear Patti Costa,

As requested, John Minch and Associates, Inc. (JMA) is conducting an investigation to identify and document cultural resources in the proposed project area for the Chatsworth Reservoir Mitigation Project and prepare a report to satisfy requirements in compliance with the California Environmental Quality Act (CEQA). JMA staff performed the proposed archaeological services Tasks 1-3 on November 17th-18th. The tasks included: **Task 1**) a comprehensive archaeological records and literature search of a One-mile radius of the project area in order to identify known cultural resources and the potential impacts that may result from construction activities; **Task 2**) a pedestrian survey of the project area; **Task 3**) the recordation two newly discovered archaeological site locations that were located during the original 2010 field survey, and the recordation of a new site that was located during the November 2016 survey.

The results of the pedestrian survey include the identification of a new site location, and three isolated artifacts. All of the identified site locations are outside of the footprint of the mitigation area and can be avoided. However, the results of the Sacred Lands File check performed for Task 1 indicated a change in status of Sacred Lands within the Chatsworth Reservoir Mitigation Project area. The Native American Heritage Commission has informed us that the "Sacred Lands Inventory has records of sacred sites within the Chatsworth Reservoir APE". The items contained therein are confidential and exempt from the California Public Records Act pursuant to California Government Code Section 6254.10. Therefore information regarding the nature and location of these sacred sites must be obtained through direct consultation with Native Americans. Such information would then be used to assess the potential effects of the mitigation project on these sacred sites pursuant to CEQA and California Assembly Bill No. 52. In our opinion, due diligence addressing this issue would need to be exercised before a Mitigated Negative Declaration regarding cultural resources could be asserted.

JMA will continue progress on the additional two Tasks: **Task 4)** production of a comprehensive narrative report for review, and provide final revisions for the



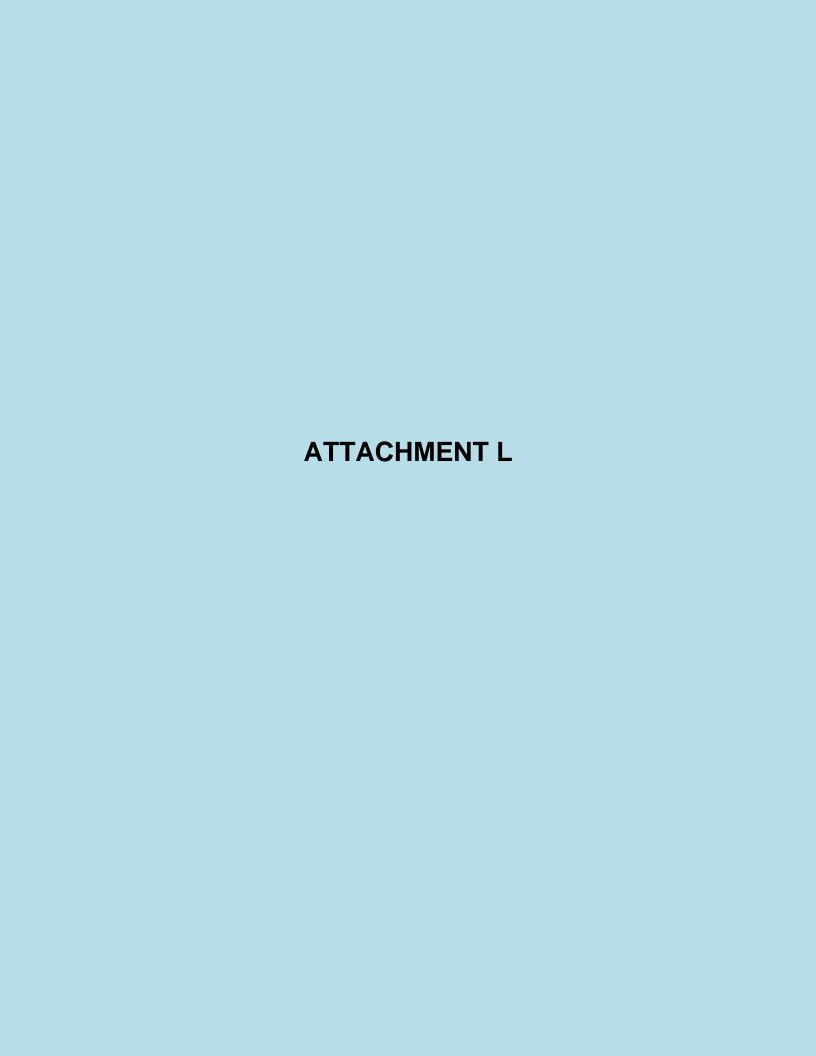
Addendum; and as needed, **Task 5)** participation in any necessary meetings and/or conference calls during the remaining course of the project.

Respectfully submitted,

Edwin Minch

Managing Principal

ATTACHMENT K Intentionally Blank



BOARD OF **BUILDING AND SAFETY**

COMMISSIONERS

VAN AMBATIELOS PRESIDENT

> JAVIER NUNEZ VICE PRESIDENT

JOSELYN GEAGA-ROSENTHAL GEORGE HOVAGUIMIAN ELVIN W. MOON

CITY OF LOS ANGELES CALIFORNIA



ERIC GARCETTI MAYOR

DEPARTMENT OF **BUILDING AND SAFETY** 201 NORTH FIGUEROA STREET LOS ANGELES, CA 90012

OSAMA YOUNAN, P.E. GENERAL MANAGER SUPERINTENDENT OF BUILDING

GEOLOGY AND SOILS REPORT APPROVAL LETTER

August 7, 2020

LOG # 112559-01 SOILS/GEOLOGY FILE - 2 LIQ/LAN/AP-Exempt

Republic Services 14747 N. San Fernando Road Sylmar, CA 91344

TRACT:

10422

LOT(S):

FR 9 (Arbs. 1 & 2)

LOCATION:

14747 N. San Fernando Road

CURRENT REFERENCE	REPORT	DATE OF	
REPORT/LETTER(S)	No.	DOCUMENT	PREPARED BY
Request for Modification	RFM 27303	08/07/2020	LADBS
Geology/Soils Report	SO19.1200	06/11/2020	Geo-Logic Associates
Oversized Doc(s).	**	**	**
CURRENT REFERENCE	REPORT	DATE OF	
CURRENT REFERENCE REPORT/LETTER(S)	REPORT <u>No.</u>	DATE OF DOCUMENT	PREPARED BY
			PREPARED BY LADBS
REPORT/LETTER(S)	No.	DOCUMENT	

The Grading Division of the Department of Building and Safety has reviewed the referenced report that provides recommendations for the proposed termination fill berm ranging up to 200 feet in height, cut slopes ranging up to 100 feet in height, and retaining walls ranging up to 15 feet in height. The new berm will be located at the main entrance area and is intended to expand the capacity of the landfill area to accommodate future municipal solid waste. The fill berm will be at a gradient of 11/2:1 (H:V) on the westfacing side of the berm and 1\%:1 (H:V) on the east-facing side. Additionally, the eastern portion of the berm will range in gradient from 13/11 to 2:1 (H:V) to accommodate a new access road. The consultants recommend to support the proposed retaining walls on conventional foundations bearing on properly placed fill and/or competent bedrock.

Subsurface exploration performed by the consultant consisted of six hollow stem borings and one core boring to a maximum depth of 103 feet. The geotechnical exploration was supplemented with borings from groundwater monitoring and gas probe monitoring wells. The earth materials at the subsurface exploration locations consist of up to 75 feet of uncertified fill underlain by alluvium and sandstone and siltstone bedrock. Geologic structure observed by the consultant within the grading area generally consisted of northeast to southeast dipping bedding between 21 and 62 degrees. Groundwater was encountered at a depth of 13 feet at the main entrance area near San Fernando Road.

A "Request for Modification of Building Ordinances" (RFM 27303) has been reviewed and approved by the Department to allow the placement of fill at gradients of 1½:1 and 1¾:1 (H:V) for the construction of the landfill termination berm.

The project is located within a Fault Zone identified by the State of California Alquist-Priolo Act and in a designated seismically induced landslide and liquefaction hazard zones as shown on the Seismic Hazard Zones map issued by the State of California. However, the proposed construction is currently exempt (P/BC 2020-044).

As of January 1, 2020, the City of Los Angeles has adopted the new 2020 Los Angeles Building Code (LABC). The 2020 LABC requirements will apply to all projects where the permit application submittal date is after January 1, 2020.

The referenced report is acceptable, provided the following conditions are complied with during site development:

(Note: Numbers in parenthesis () refer to applicable sections of the 2020 City of LA Building Code. P/BC numbers refer the applicable Information Bulletin. Information Bulletins can be accessed on the internet at LADBS.ORG.)

- 1. Conformance with the Zoning Code Section 12.21 C8, which limits the heights and number of retaining walls, will be determined during structural plan check.
- 2. A detailed geologic mapping of the subgrade slope shall be performed during clearing and grubbing of slopes and during excavations, as recommended on page 34 of the 03/09/2020 report.
- 3. The geologist and soils engineer shall review and approve the detailed plans prior to issuance of any permits. This approval shall be by signature on the plans that clearly indicates the geologist and soils engineer have reviewed the plans prepared by the design engineer and that the plans include the recommendations contained in their reports (7006.1).
- 4. All recommendations of the report that are in addition to or more restrictive than the conditions contained herein shall be incorporated into the plans.
- 5. A copy of the subject and appropriate referenced reports and this approval letter shall be attached to the District Office and field set of plans (7006.1). Submit one copy of the above reports to the Building Department Plan Checker prior to issuance of the permit.
- 6. A grading permit shall be obtained for all structural fill and retaining wall backfill (106.1.2).
- 7. All graded, brushed or bare slopes shall be planted with low-water consumption, native-type plant varieties to protect slopes against erosion (7012).
- 8. All new graded slopes shall be no steeper than 2H:1V, except as specifically approved by the RFM (7010.2 & 7011.2).
- 9. Prior to the issuance of any permit, an accurate volume determination shall be made and included in the final plans, with regard to the amount of earth material to be exported from the site. For grading involving import or export of more than 1000 cubic yards of earth materials within the grading hillside area, approval is required by the Board of Building and Safety. Application for approval of the haul route must be filed with the Board of Building and Safety Commission Office. Processing time for application is approximately 8 weeks to hearing plus 10-day appeal period.
- 10. Man-mad fill placed in the upper 40 feet shall be compacted to a minimum of 90 percent of the maximum dry density and 93 percent below 40 feet.

14747 N. San Fernando Road

- 11. All man-made fill shall be compacted to a minimum 90 percent of the maximum dry density of the fill material per the latest version of ASTM D 1557. Where cohesionless soil having less than 15 percent finer than 0.005 millimeters is used for fill, it shall be compacted to a minimum of 95 percent relative compaction based on maximum dry density. Placement of gravel in lieu of compacted fill is only allowed if complying with LAMC Section 91.7011.3.
- 12. If import soils are used, no footings shall be poured until the soils engineer has submitted a compaction report containing in-place shear test data and settlement data to the Grading Division of the Department; and, obtained approval (7008.2).
- 13. Compacted fill shall extend beyond the footings a minimum distance equal to the depth of the fill below the bottom of footings or a minimum of three feet whichever is greater, except at locations where lateral over excavation is not possible (i.e., foundations adjacent to property lines or structures), in which case the foundations may be deepened to bear in competent bedrock, as recommended (7011.3).
- 14. Existing uncertified fill shall not be used for support of footings, concrete slabs or new fill (1809.2, 7011.3).
- 15. Drainage in conformance with the provisions of the Code shall be maintained during and subsequent to construction (7013.12).
- 16. Grading shall be scheduled for completion prior to the start of the rainy season, or detailed temporary erosion control plans shall be filed in a manner satisfactory to the Grading Division of the Department and the Department of Public Works, Bureau of Engineering, B-Permit Section, for any grading work in excess of 200 cubic yards (7007.1).

6262 Van Nuys Blvd. Ste 351, Van Nuys (818) 374-4605

- 17. The applicant is advised that the approval of this report does not waive the requirements for excavations contained in the General Safety Orders of the California Department of Industrial Relations (3301.1).
- 18. Excavations shall not remove lateral support from a public way, adjacent property or an existing structure. Note: Lateral support shall be considered to be removed when the excavation extends below a plane projected downward at an angle of 45 degrees from the bottom of a footing of an existing structure, from the edge of the public way or an adjacent property. (3307.3.1)
- 19. A supplemental report shall be submitted to the Grading Division of the Department containing recommendations for shoring, underpinning, and sequence of construction in the event that any excavation would remove lateral support to the public way, adjacent property, or adjacent structures (3307.3). A plot plan and cross-section(s) showing the construction type, number of stories, and location of the structures adjacent to the excavation shall be part of the excavation plans (7006.2).
- 20. All foundations shall derive entire support from properly placed fill or competent bedrock, as recommended and approved by the geologist and soils engineer by inspection.
- 21. Foundations adjacent to a descending slope steeper than 3:1 (horizontal to vertical) in gradient shall be a minimum distance of one-third the vertical height of the slope but need not exceed 40 feet measured horizontally from the footing bottom to the face of the slope (1808.7.2).
- 22. Footings supported on approved compacted fill or expansive soil shall be reinforced with a minimum of four (4), ½-inch diameter (#4) deformed reinforcing bars. Two (2) bars shall be placed near the bottom and two (2) bars placed near the top of the footing.

- 23. The foundation/slab design shall satisfy all requirements of the Information Bulletin P/BC 2017-116 "Foundation Design for Expansive Soils" (1803.5.3).
- 24. The seismic design shall be based on a Site Class C as recommended. All other seismic design parameters shall be reviewed by LADBS building plan check.
- 25. Retaining walls shall be designed for the lateral earth pressures specified in Appendix F of the 03/2020 report. All surcharge loads shall be included into the design.
- 26. Retaining walls higher than 6 feet shall be designed for lateral earth pressure due to earthquake motions as specified in Appendix F of the 03/2020 report (1803.5.12).
- 27. Retaining walls at the base of ascending slopes shall be provided with a minimum freeboard of 12 inches, as recommended.
- 28. The recommended equivalent fluid pressure (EFP) for the proposed retaining wall shall apply from the top of the freeboard to the bottom of the wall footing.
- 29. All retaining walls shall be provided with a standard surface backdrain system and all drainage shall be conducted in a non-erosive device to the street in an acceptable manner (7013.11).
- 30. With the exception of retaining walls designed for hydrostatic pressure, all retaining walls shall be provided with a subdrain system to prevent possible hydrostatic pressure behind the wall. Prior to issuance of any permit, the retaining wall subdrain system recommended in the soils report shall be incorporated into the foundation plan which shall be reviewed and approved by the soils engineer of record (1805.4).
- 31. Installation of the subdrain system shall be inspected and approved by the soils engineer of record and the City grading/building inspector (108.9).
- 32. Prefabricated drainage composites (Miradrain, Geotextiles) may be only used in addition to traditionally accepted methods of draining retained earth.
- 33. All concentrated drainage shall be conducted in an approved device and disposed of in a manner approved by the LADBS (7013.10).
- 34. Any recommendations prepared by the geologist and/or the soils engineer for correction of geological hazards found during grading shall be submitted to the Grading Division of the Department for approval prior to use in the field (7008.2, 7008.3).
- 35. The geologist and soils engineer shall inspect all excavations to determine that conditions anticipated in the report have been encountered and to provide recommendations for the correction of hazards found during grading (7008, 1705.6, & 1705.8).
- 36. Prior to pouring concrete, a representative of the consulting soils engineer shall inspect and approve the footing excavations. The representative shall post a notice on the job site for the LADBS Inspector and the Contractor stating that the work inspected meets the conditions of the report. No concrete shall be poured until the LADBS Inspector has also inspected and approved the footing excavations. A written certification to this effect shall be filed with the Grading Division of the Department upon completion of the work. (108.9 & 7008.2)
- 37. Prior to excavation an initial inspection shall be called with the LADBS Inspector. During the initial inspection, the sequence of construction, protection fences, and dust and traffic control will be scheduled (108.9.1).

- 38. Prior to the placing of compacted fill, a representative of the soils engineer shall inspect and approve the bottom excavations. The representative shall post a notice on the job site for the LADBS Inspector and the Contractor stating that the soil inspected meets the conditions of the report. No fill shall be placed until the LADBS Inspector has also inspected and approved the bottom excavations. A written certification to this effect shall be included in the final compaction report filed with the Grading Division of the Department. All fill shall be placed under the inspection and approval of the soils engineer. A compaction report together with the approved soil report and Department approval letter shall be submitted to the Grading Division of the Department upon completion of the compaction. In addition, an Engineer's Certificate of Compliance with the legal description as indicated in the grading permit and the permit number shall be included (7011.3).
- 39. Where foundations and/or slabs are to be supported on certified fill, no footing/slab shall be poured until the compaction report is submitted and approved by the Grading Division of the Department.

EDMOND LEE

Engineering Geologist Associate III

DAN RYAN EVANGELISTA

Structural Engineering Associate III

Log No. 112559-01 213-482-0480

cc: Geo-Logic Associates, Project Consultant

VN District Office

CITY OF LOS ANGELES DEPARTMENT OF BUILDING AND SAFETY **Grading Division**

Log No.	112	550	7-0	1
	Log No.	Log No. 112	Log No. 112 55 0	Log No. 112 559-0

APPLICATION FOR REVIEW OF TECHNICAL REPORTS

1	NSTRU	CTIONS					
Division, LADBS,	221 N.	Figueroa	St.,	12th	FI.,	Los	Ar

A. Address all communications to the Grading D ngeles, CA 90012

Telephone No. (213)482-0 B. Submit two copies (three		ns) of reports, one '	pdf" copy of	the report on	a CD-Rom or fla	sh drive	Si Si
and one copy of application	on with items '	"1" through "10" co	ompleted.			on anve,	
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7. Status of project:	☐ Propose		☐ Under	Construction		Storm Damage	
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9. Previous Department action	ns?	YES YES	if yes, pr	ovide dates ar	nd attach a copy	to expedite proce	essing.
Dates:							
10. Applicant Signature:	Juny P	h ngo			Position: Fn	vironment	al Managen
*	U	(DEPA	RTMENT USE	E ONLY)			
REVIEW REQUESTED	FEES	REVIEW REQ	UESTED	FEES	Fee Due:	74.30	
☐ Soils Engineering		No. of Lots			Fee Verified By:	ne Date	= 6/18/20
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☐ Combined Soils Engr. & Geol.		☐ Division of Land					
☐ Supplemental	0.0	Other					
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Cubic Yards:		☐ Expedite ONLY			-		
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Permit #:

21030 - 10000 - 05897

Printed: 10/12/23 03:41 PM

Event Code:

Plan Check #: G21LA00175

City of Los Angeles - Department of Building and Safety

APPLICATION FOR GRADING PERMIT

AND GRADING CERTIFICATE

Issued on: 10/12/2023

Last Status: Issued

Status Date: 10/12/2023

Plan Check I. TRACT TR 10422

Grading Commercial

> BLOCK LOT(s) LT9

COUNTY MAP REF # MB 157-38/44 2

PARCEL ID # (PIN #) 228B133 49

2. ASSESSOR PARCEL# 2601 - 011 - 015

3. PARCEL INFORMATION

Regular Plan Check

Airport Hazard Area - 840' Height Limit Above Elevation LADBS Branch Office - VN

Airport Hazard Area - 870' Height Limit Above Elevatior Council District - 12

Airport Hazard Area - 900' Height Limit Above Elevatior Cmpt. Fill Grd. - FG

Airport Hazard Area - 930' Height Limit Above Elevatior Certified Neighborhood Council - Granada Hills North

Alquist Priolo - YES

Census Tract - 1066.03

District Map - 228B133

Energy Zone - 9 Fire District - 2

Fire District - VHFHSZ

Flood Haz. Zone - A D=N/A E=N/A IN

ZONES(S): A1-1-O / [T][Q]M3-1-O

4. DOCUMENTS

ZI - ZI-1195 Construction Site Review: 1 ZA - ZA-13154 ZI - ZI-2427 FWY Adj Advisory Notice ZA - ZA-13266 ZI - ZI-2438 Equine Keeping in the City ZA - ZA-13427 ZA - ZA-13625 ZAI - ZAI-1983-182

ZA - ZA-16211 ZA - ZA-17804-RV ZA - ZA-1958-14544 ZA - ZA-1961-15925 ZA - ZA-1977-299 ZA - ZA-1978-463 ZA - ZA-1983-318

ZA - ZA-1988-1448-ZV

5. CHECKLIST ITEMS

Special Inspect - Grading: Area>60,000Sqft Special Inspect - Grading:Slope>2:1 Storm Water - NOI/SWPPP-1 acre and greater

6. PROPERTY OWNER, TENANT, APPLICANT INFORMATION

BROWNING FERRIS INDUSTRIES OF CA 0 PO BOX 29246

PHOENIX AZ 85038

Tenant:

Applicant: (Relationship: Agent for Owner)

KATE DOWNEY -

(818) 362-2154

7. EXISTING USE

PROPOSED USE

(70) Grading - Hillside

8. DESCRIPTION OF WORK

PHASE 3, 4, & 5 GRADING FOR FRONT ENTRANCE AND LANDFILL TERMINATION BERM. FILL = 1,383,224 CY; IMPORT = 1,522,000 CY BOARD FILE 220005 APPROVED FOR A MAXIMUM IMPORT OF 1,522,000 CUBIC YARDS

9. # Bldgs on Site & Use:

10. APPLICATION PROCESSING INFORMATION

BLDG. PC By: Dan Ryan Evangelista OK for Cashier: Dan Ryan Evangelista

DAS PC By: Coord. OK:

Signature:

Date: 10/12/2023

or request inspections via www.ladbs.org. To speak to a Call Center agent, call 311. Outside LA County, call (213) 473-3231.

For inspection requests, call toll-free (888) LA4BUILD (524-2845),

W/O #: 13005897

11. PROJECT VALUATION & FEE INFORMATION Final Fee Period

Permit Valuation: 1,383,224 cu yd PC Valuation: FINAL TOTAL Grading 48.535.50 Permit Fee Subtotal Grading 39,475.00 0.00 Plan Check Subtotal Grading Off-hour Plan Check 0.00 Plan Maintenance 300.00 1,193.25 D.S.C. Surcharge 2.386.50 Sys. Surcharge Planning Surcharge 2,386.50 Planning Surcharge Misc Fee 10.00 Planning Gen Plan Maint Surcharg 2,784.25

LA DBARROZO 10/12/23 3:41:32 PM

Payment Date: 10/12/23

Receipt No.:

For Cashier's Use Only

2023285003-121

Amount:

\$48,535,50

Method:

ICL Check

Building Card No.: 2023LA06372

Sewer Cap ID:

Permit Issuing Fee

Total Bond(s) Due:

0.00

12. ATTACHMENTS

Plot Plan

Signed Declaration

13. STRUCTURE INVENTORY (Note: Numeric measurement data in the format "number number" implies "change in numeric value total re	esulting numeric value") 21030 - 10000 - 05897
ABOUT TO THE STATE OF THE STATE	
	16
200: 100: 110:	
14. APPLICATION COMMENTS:	In the event that any box (i.e. 1-16) is filled to capacity, it is possible that additional information has been captured
GRADING BOND COLLECTED UNDER PERMIT 20030-10000-05470	electronically and could not be printed due to space
	restrictions. Nevertheless the information printed exceeds that required by section 19825 of the Health and Safety
	Code of the State of California.
15. BUILDING RELOCATED FROM:	(4)
16. CONTRACTOR, ARCHITECT & ENGINEER NAME (C) SUKUT CONSTRUCTION LLC ADDRESS 4010 W CHANDLER AVENUE, SANTA ANA, CA	92704 A 985106 PHONE #
(E) MINA., FOUAD 17202 SILVER MOON CT, RIVERSIDE, CA 9	92503 C52592
(E) WARNER,, ROBBIE MICHAEL PO BOX 518/46, ICE HOUSE CANYON MT BALDY, CA 9 (G) VINCENT,, MARK WILLIAM 2546 THIRD ST, LA VERNE, CA 9	
	Operation (September 1997)
PERMIT EXPIRATION/REFUNDS: This permit expires two years after the date of the permit issuance. This permit will continuous period of 180 days (Sec. 98.0602 LAMC). Claims for refund of fees paid must be filed within one year from the	
& 22.13 LAMC). The permittee may be entitled to reimbursement of permit fees if the Department fails to conduct an inpe	
(HS 17951).	
17. LICENSED CONTRACTOR'S DECLARATION	00) (D)::: 2 (d) D : 1D (: 0 ! -]
I hereby affirm under penalty of perjury that I am licensed under the provisions of Chapter 9 (commencing with Section 706 license is in full force and effect. The following applies to B contractors only: I understand the limitations of Section 7057 of take prime contracts or subcontracts involving specialty trades.	of the Business and Professional Code related to my ability to
License Class: A License No.: 985106 Contractor: SUKUT CONSTRUCTION I	LLC
18. WORKERS' COMPENSATION DECLARATION	
I hereby affirm, under penalty of perjury, one of the following declarations:	
(_) I have and will maintain a certificate of consent to self insure for workers' compensation, as provided for by Section 370 this permit is issued.	00 of the Labor Code, for the performance of the work for which
(_) I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance carrier and policy number are:	ormance of the work for which this permit is issued. My workers'
Carrier: ACIG INS. CO.	Policy Number: WCA000027922
() I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manne	er so as to become subject to the workers' compensation laws of
California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the La	bor Code, I shall forthwith comply with those provisions.
WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUI CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS (\$100,000), IN ADDITION TO THE COST OF COMI 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES	BJECT AN EMPLOYER TO CRIMINAL PENALTIES AND PENSATION, DAMAGES AS PROVIDED FOR IN SECTION
19. ASBESTOS REMOVAL DECLARATION / LEAD HAZARD WARNING	
I certify that notification of asbestos removal is either not applicable or has been submitted to the AQMD or EPA as per section 19827.5 (909) 396-2336 and the notification form at www.aqmd.gov . Lead safe construction practices are required when doing repairs that distursection 6716 and 6717 of the Labor Code. Information is available at Health Services for LA County at (800) 524-5323 or the State of C	b paint in pre-1978 buildings due to the presence of lead per
20. CONSTRUCTION LENDING AGENCY DECLARATION	3
I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit	is issued (Sec. 3007 Civil Code)
I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit Lender's Name (If Any): Lender's Address:	is issued (Sec. 3097, Civil Code).
Lender's Name (If Any): Lender's Address: ,	is issued (Sec. 3097, Civil Code).
	UDING THE ABOVE DECLARATIONS is correct. I agree to city to enter upon the above-mentioned property for inspection and it does not auhorize or permit any violation or failure to make any warranty, nor shall be responsible for the performance munder penalty of perjury, that the proposed work will not
Lender's Name (If Any): Lender's Address: 21. FINAL DECLARATION I certify that I have read this application INCLUDING THE ABOVE DECLARATIONS and state that the above information INCL comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this purposes. I realize that this permit is an application for inspection and that it does not approve or authorize the work specified herein, are comply with any applicable law. Furthermore, neither the City of Los Angeles nor any board, department officer, or employee thereof, or results of any work described herein, nor the condition of the property nor the soil upon which such work is performed. I further affir destroy or unreasonably interfere with any access or utility easement belonging to others and located on my property, but in the event streamment, a substitute easement(s) satisfactory to the holder(s) of the easement will be provided (Sec. 91.0106.4.3.4 LAMC).	UDING THE ABOVE DECLARATIONS is correct. I agree to city to enter upon the above-mentioned property for inspection at it does not authorize or permit any violation or failure to make any warranty, nor shall be responsible for the performance munder penalty of perjury, that the proposed work will not
Lender's Name (If Any): Lender's Address: Lender'	UDING THE ABOVE DECLARATIONS is correct. I agree to city to enter upon the above-mentioned property for inspection and it does not authorize or permit any violation or failure to make any warranty, nor shall be responsible for the performance or under penalty of perjury, that the proposed work will not such work does destroy or unreasonably interfere with such

Sign:

▼ Contractor

Date: 10/12/2023

X Authorized Agent

Print Name:

2023LA06372

10/12/2023 12:00:00AM

dbar 2023285003-121 21030-10000-05897 Final

INSPECTION RECORD



Your feedback is important, please visit our website to complete customer Survey at www.ladbs.org/LADBSWeb/customer-survey.isf
If you would like to provide additional feedback, need clarification, or have any question regarding plan check or inspection matters, please call our Customer Hotline at (213) 482-0056

PERMIT NO : 21030-10000-05897

ADDRESS : 14747 N SAN FERNANDO ROAD

WORK DESC: PHASE 3, 4, & 5 GRADING FOR FRONT ENTRANCE AND LANDFILL TERMINATION BERM FILL =

1,383,224 CY; IMPORT = 1,522,000 CY

TYPE DATE INSPECTOR		
	TYPE DATE INSPEC	TOR
Initial Grading	Exterior Lathing	
Toe or Bottom	Interior Lathing	
Soils Report Approved	Drywall	
DO NOT PLACE FILL UNTIL ABOVE IS SIGNED	DO NOT COVER UNTIL ABOVE IS SIGNE	D
Backfill	WORK OUTSIDE OF THE BUILDING	
Fill	Electrical Underground	
Excavation	Gas	
Drainage Devices	Heating & Refrigeration	
Rough Grading	Sewer	
proved Compaction Report	Disabled Access	
FOOTING INSPECTIONS	POOL INSPECTIONS	
Footing Excavation	Excavation	
Forms	Reinforcing Steel	
Reinforcing Steel	Bonding	
to place concrete	Piping	
GROUNDWORK INSPECTIONS	Pre-Gunite Pre-Gunite	
Electrical	Deck	
Plumbing	Enclosure/Fence	
Plumbing Methane	Pool/Spa Cover	
Gas Piping	DO NOT FILL POOL UNTIL ABOVE IS SIGN	ED
leating & Refrigeration	FINAL INSPECTIONS	
Fire Sprinklers	Grading	
Disabled Access	Electrical	
Methane	Plumbing	
OK to Place Floor	Gas Test	
DO NOT PLACE FLOOR UNTIL ABOVE IS SIGNED	Gas	
ROUGH INSPECTIONS	Heating & Refrigeration	
Green Code	Pressure Vessels	
Electrical	Elevator	
Plumbing	Fire Sprinkler	
Fire Sprinkler	Disabled Access	
leating & Refrigeration	Green Building	
Roof Sheathing	LAFD (Title 19 only)	
Disabled Access	LAFD Fire Life Safety	
Framing	Pool Final	
Insulation	AQMD sign-off provided	
Suspended Ceiling	Public Works	
OK to Cover	Building	
	Dulling	

B-8 Card rev. 111811 Ag

888-LA4-BUILD (888)524-2845 or www.ladbs.org

SUPPLEMENTAL NOTES:

IMPORTANT NOTICE

- * Prior to the start of any construction work adjacent to any public way, pedestrian protection shall be provided. (Sec. 91.3303 L.A.M.C.).
- * Inspections may be requested Monday through Friday by calling 1-888-LA-4-BUILD. When requesting an inspection, the following information is required: (1) The job address, (2) Type of inspection, (3) Use of Building, (4) Permit number, (5) Phone number of a contact person should the department need to reach someone.
- * Inspection requests received before 4:00 p.m. Monday through Friday (excluding holidays) will normally be made the next business day. Requests received after 4:00 p.m. will be made following the next business day. The Automated Inspection Call Back System (AICBS) will phone the contact person to confirm the inspection.
- * Permit fees provide for a limited number of inspections. A reinspection fee may be assessed when the work for which an inspection was requested is not complete, when the inspection record or plans are not available, or when here is failure to provide site access to department staff.
- * No person shall perform any construction or repair work between the hours of 9:00 p.m. (6:00 p.m. grading) and 7:00 a.m. the following day which results in loud noises to the disturbance of persons occupying sleeping quarters in any dwelling, hotel, motel, apartment, or other place of residence(Sec. 41.40 L.A.M.C.).
- * No person, other than an individual homeowner engaged in the repair or construction of his/her single-family dwelling, shall perform any construction or repair work of any kind upon any building or structure located on land developed with residential buildings or perform work within 500 feet of land so occupied, before 8:00 a.m. or after 6:00 p.m. on any Saturday or at any time on Sunday (Sec. 41.40 L.A.M.C.).
- * Dust control measures to prevent dust from being blown or deposited over or upon any private property in any residential area must be implemented during any excavation or earth-moving phase of construction, sand blasting, or demolition.
- * A separate permit from the State of California Division of Industrial Safety is required prior to starting certain work involving substantial risk to workers such as: construction or demolition exceeding 3 stories or 36 feet in height, or excavations or trenches over 5 feet in depth involving entry by workers.
- * Building permits are valid for two years or expire on the 180th day from the date of issuance if the work permitted has not commenced. The department reserves the right to expire any permit where work has been suspended for a period of 180 days or more.
- * Inspection services will not be provided when there is an unleashed dog on the premises.

BUILDING AND SAFETY PERMIT AND PLAN CHECK OFFICE LOCATIONS

Downtown Los Angeles 201 N. Figueroa St., 4th Fl. Los Angeles, CA 90012

Van Nuys 6262 Van Nuys Blvd., 2nd Fl. Van Nuys, CA 91401 West Los Angeles 1828 Sawtelle Blvd., 2nd Fl. Los Angeles, CA 90025

San Pedro 638 S. Beacon St., 2nd Fl. San Pedro, CA 90731 South Los Angeles 8475 S. Vermont Ave., 2nd Fl. Los Angeles, CA 90044

LE03-AWIN MANAGEMENT INC REPUBLIC SERVICES

No 20041802 Check Date: 10/06/2023

0012		ETY 201 N FIGUEROA ST		vendor Numb	er: 10016179
INVOICE	DATE	DESCRIPTION	GROSS AMOUNT	DISCOUNT	NET AMOUNT
1030-10000-05897 URG OTV WITH ATTACH CITY (10/05/2023 DE LOS ANGELES BLONG	AND SAFETY FIN SVCS 201 N. F	\$48,535.50 IGUEROA STREET #740 LOS AN	\$0.00	\$48,535.5
	/				
etach at perforation Before De	200	TOTALS	S: \$48,535.50	\$0.00	\$48,535.5



Permit #:

Plan Check #: B20LA18067

Event Code:

20030 - 10000 - 05470

Printed: 06/30/21 03:08 PM

City of Los Angeles - Department of Building and Safety 06/30/2021 Issued on:

Commercial APPLICATION FOR GRADING PERMIT Last Status: Issued Regular Plan Check

AND GRADING CERTIFICATE Plan Check Status Date: 06/30/2021

1. TRACT BLOCK LOT(s) COUNTY MAP REF # PARCEL ID # (PIN #) 2. ASSESSOR PARCEL # TR 10422 M B 157-38/44 228B133 49 LT9 2 2601 - 011 - 015

3. PARCEL INFORMATION

Grading

Airport Hazard Area - 840' Height Limit Above Elevation 790 Community Plan Area - Granada Hills - Knollwood Area Planning Commission - North Valley

Airport Hazard Area - 870' Height Limit Above Elevation 790 LADBS Branch Office - VN Census Tract - 1066.03 Airport Hazard Area - 900' Height Limit Above Elevation 790 Council District - 12 District Map - 228B133 Airport Hazard Area - 930' Height Limit Above Elevation 790 Cmpt. Fill Grd. - FG Energy Zone - 9 Alquist Priolo - YES Certified Neighborhood Council - Granada Hills North Fire District - 2

ZONES(S): A1-1-O / [T][Q]M3-1-O

4. DOCUMENTS

ZI - ZI-1195 Construction Site Review: Depar ZA - ZA-13154 ZA - ZA-1977-299 ZA - ZA-16211 ZI - ZI-2208 ZA - ZA-13266 ZA - ZA-17804-RV ZA - ZA-1978-463 ZI - ZI-2427 FWY Adj Advisory Notice for St ZA - ZA-13427 ZA - ZA-1958-14544 ZA - ZA-1983-318 ZA - ZA-1988-1448-ZV ZAI - ZAI-1983-182 ZA - ZA-13625 ZA - ZA-1961-15925

5. CHECKLIST ITEMS

Special Inspect - Grading: Area > 60,000 Sqft Special Inspect - Grading:Slope>2:1

6. PROPERTY OWNER, TENANT, APPLICANT INFORMATION

BROWNING FERRIS INDUSTRIES OF CALIFC 14747 SAN FERNANDO RD SYLMAR CA 91342

Applicant: (Relationship: Owner) TUONG-PHU NGO -

(818) 617-1143

7. EXISTING USE PROPOSED USE 8. DESCRIPTION OF WORK

(70) Grading - Hillside SITE PREP FOR PHASE 1 & 2 GRADING FOR FRONT ENTRANCE AND LANDFILL TERMINATION BERM. CUT = 80,000 CY.; FILL =80,000 CY.; R&R

115,000 CY.; **NO IMPORT OR EXPORT**

9. # Bldgs on Site & Use:

11. PROJECT VALUATION & FEE INFORMATION

Permit Valuation 80,000 cu yd

FINAL TOTAL Grading

Plan Maintenance D.S.C. Surcharge

Planning Surcharge

Permit Issuing Fee

Sys. Surcharge

Permit Fee Subtotal Grading

Plan Check Subtotal Grading

Planning Surcharge Misc Fee

Planning Gen Plan Maint Surcharge

10. APPLICATION PROCESSING INFORMATION

Dan Ryan Evangelista BLDG. PC By: DAS PC By: Dan Ryan Evangelista OK for Cashier: Coord. OK:

Carl Squeeze Date: 06/30/2021 Signature: Final Fee Period

7,756.40

6,225.00

0.00 124.50

190.49

380.97

380.97

10.00

444 47

0.00

PC Valuation:

For inspection requests, call toll-free (888) LA4BUILD (524-2845), or request inspections via www.ladbs.org. To speak to a Call Center agent, call 311. Outside LA County, call (213) 473-3231.

For Cashier's Use Only W/O #: 03005470

Payment Date: 06/30/2021 Receipt No: 1061465 Amount: \$7,756.40

Method: CC

Building Card No.: 2021ON 45344

Sewer Cap ID: Total Bond(s) Due: \$1,558,787.12

12. ATTACHMENTS Plot Plan

Signed Declaration



13. STRUCTURE INVENTORY (Note: Numeric measurement data in the format "number/ number" implies "change in numeric value/ total resulting numeric value") 20030 -	10000 - 05470
Educate de la Circulation de l	
14. APPLICATION COMMENTS: In the event that any box (i.e. 1-16) is filled to is possible that additional information has bee	
electronically and could not be printed due to restrictions. Nevertheless the information prin	-
that required by section 19825 of the Health at	
Code of the State of California.	
15. BUILDING RELOCATED FROM:	
16. CONTRACTOR, ARCHITECT & ENGINEER NAME ADDRESS CLASS LICENSE #	PHONE #
(C) SUKUT CONSTRUCTION LLC 4010 WEST CHANDLER AVENUE, SANTA ANA, CA 927045202 A 985106	
(E) WARNER,, ROBBIE MICHAEL PO BOX 518/46 ICE HOUSE CYN TRACT, MT BALDY, CA 917590518 GE2690 (G) VINCENT,, MARK WILLIAM 2546 THIRD ST, LA VERNE, CA 91750 EG1873	
PERMIT EXPIRATION/REFUNDS: This permit expires two years after the date of the permit issuance. This permit will also expire if no construction work is performed for a continuous	
period of 180 days (Sec. 98.0602 LAMC). Claims for refund of fees paid must be filed within one year from the date of expiration for permits granted by LADBS (Sec. 22.12 & 22.13	
LAMC). The permittee may be entitled to reimbursement of permit fees if the Department fails to conduct an injection within 60 days of receiving a request for final inspection (HS 17951).	
17. LICENSED CONTRACTOR'S DECLARATION	
I hereby affirm under penalty of perjury that I am licensed under the provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my	
license is in full force and effect. The following applies to B contractors only: I understand the limitations of Section 7057 of the Business and Professional Code related to my ability to take prime contracts or subcontracts involving specialty trades.	
License Class: A License No.: 985106 Contractor: SUKUT CONSTRUCTION LLC	
18. WORKERS' COMPENSATION DECLARATION I hereby affirm, under penalty of perjury, one of the following declarations:	
() I have and will maintain a certificate of consent to self insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which	
this permit is issued.	
() I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers'	
compensation insurance carrier and policy number are: Carrier: ACIG INS. CO. Policy Number: WCA000017921	
() I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.	
WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND	
CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS (\$100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.	
19. ASBESTOS REMOVAL DECLARATION / LEAD HAZARD WARNING	
I certify that notification of asbestos removal is either not applicable or has been submitted to the AQMD or EPA as per section 19827.5 of the Health and Safety Code. Information is available at (909) 396-2336 and the notification form at www.aqmd.gov. Lead safe construction practices are required when doing repairs that disturb paint in pre-1978 buildings due to the presence of lead per	
section 6716 and 6717 of the Labor Code. Information is available at Health Services for LA County at (800) 524-5323 or the State of California at (800) 597-5323 or www.dhs.ca.gov/childlead .	
20. CONSTRUCTION LENDING AGENCY DECLARATION	
I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civil Code).	
Lender's Name (If Any): Lender's Address:,	
21. FINAL DECLARATION	
I certify that I have read this application INCLUDING THE ABOVE DECLARATIONS and state that the above information INCLUDING THE ABOVE DECLARATIONS is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for	
inspection purposes. I realize that this permit is an application for inspection and that it does not approve or authorize the work specified herein, and it does not auhorize or permit any violation or	
failure to comply with any applicable law. Furthermore, neither the City of Los Angeles nor any board, department officer, or employee thereof, make any warranty, nor shall be responsible for the performance or results of any work described herein, nor the condition of the property nor the soil upon which such work is performed. I further affirm under penalty of perjury, that the proposed work	
will not destroy or unreasonably interfere with any access or utility easement belonging to others and located on my property, but in the event such work does destroy or unreasonably interfere with	
such easement, a substitute easement(s) satisfactory to the holder(s) of the easement will be provided (Sec. 91.0106.4.3.4 LAMC).	
By signing below, I certify that:	
(1) I accept all the declarations above namely the Licensed Contractor's Declaration, Workers' Compensation Declaration, Asbestos Removal Declaration / Lead Hazard Warning, Construction Lending Agency Declaration, and Final Declaration; and	
(2) This permit is being obtained with the consent of the legal owner of the property.	
Print Name: Date: 06/30/2021 X Contractor X	Authorized Agent

EXPRESS PERMIT INSPECTION RECORD



JOB DESCRIPTION:

PERMIT #:

Your feedback is important. Please visit our website to complete a Customer Survey at $\underline{www.ladbs.org/LADBSWeb/customer-survey.jsf}. \$ If you would like to provide additional feedback, need clarification, or have any questions regarding plan check or inspection matters, please call our Customer Hotline at (213) 482-0056.

14747 N San Fernando Road ADDRESS: Browning Ferris Industries Of California Inc OWNER:

14747 San Fernando Rd

SYLMAR CA 91342

20030 - 10000 - 05470

Grading Commercial Regular Plan Check

Plan Check

SITE PREP FOR PHASE 1 & 2 GRADING FOR FRONT ENTRANCE AND LANDFILL TERMINATION BERM.

For use by cashier only

2021ON 45344

Payment Date: 06/30/2021

Receipt No: 1061465

Amount: \$7,756.40

Method: CC

CUT = 80,000 CY.; FILL =80,000 CY.; R&R 115,000 CY.; **NO IMPORT OR EXPORT**

INSPECTION RECORDS AND PLANS MUST BE AVAILABLE DURING INSPECTION

GRADIN	NG INSPEC	TIONS	DO NOT COVER U	JNTIL PRE	VIOUS IS SIGNED	
TYPE	DATE	INSPECTOR	TYPE	DATE	INSPECTOR	
Initial Grading			Exterior Lathing			
Toe or Bottom			Interior Lathing			
Soils Report Approved			Drywall			
DO NOT PLACE FI	LL UNTIL /	ABOVE IS SIGNED	DO NOT COVER	UNTIL AB	OVE IS SIGNED	
Backfill			WORK OUTS			
Fill			Electrical Underground			
Excavation			Gas			
Drainage Devices			Heating & Refrigeration			
Rough Grading			Sewer			
Approved Compaction Report			Disabled Access			
FOOTIN	NG INSPEC	TIONS	POO	L INSPECTI	ONS	
Footing Excavation			Excavation			
Form s			Reinforcing Steel			
Reinforcing Steel			Bonding			
OK to Place Concrete			Piping			
GROUNDV	VORK INSF	PECTIONS	Pre-Gunite			
Electrical			Deck			
Plum bing			Enclosure/Fence			
Plum bing Methane			Pool/Spa Cover			
Gas Piping			DO NOT FILL POO	L UNTIL A	BOVE IS SIGNED	
Heating & Refrigeration			FINAL INSPECTIONS			
Fire Sprinklers			Grading			
Disabled Access			Electrical			
Methane			Plum bing			
OK to Place Floor			Gas Test			
DO NOT PLACE FLO	OR UNTIL	ABOVE IS SIGNED	Gas			
ROUG	H INSPEC	TIONS	Heating & Refrigeration			
Green Code			Pressure Vessels			
Electrical			Elevator			
Plum bing			Fire Sprinkler			
Fire Sprinkler			Disabled Access			
Heating & Refrigeration			Green Building			
Roof Sheathing			LAFD (Title 19 only)			
Disabled Access			LAFD Fire Life Safety			
Fram ing			Pool Final			
Insulation			AQMD Sign-off Provided			
Suspended Ceiling			Public Works			
OK to Cover			Building			
FOR INSPECTION 3-1-1 OR OUTSID 888-LA4-BUILD (88)	ECITYO		PROJECT FINAL Certificate of Occupant	cy Require	d □ YES □ NO	

SUPPLEMENTAL NOTES:								
	·							

IMPORTANT NOTICE

- * Prior to the start of any construction work adjacent to any public way, pedestrian protection shall be provided (Sec. 91.3303 L.A.M.C.).
- * Inspection(s) may be requested anytime via the internet or touch tone phone. To request an inspection via the internet, go to www.ladbs.org and click on "Request an Inspection" under Online Services. To request an inspection via touch tone phone, call toll free (888) LA4BUILD (888-524-2845) and select option 1 for Automated Request System. To request an inspection via the Customer Call Center, call 3-1-1 within the City of Los Angeles or (213) 473-3231 outside the City of Los Angeles between 7:00 a.m. and 10:00 p.m.. When requesting an inspection, the following are required: (1) The job address, (2) Type of inspection, (3) Use of building, (4) Permit number, (5) Phone number of a contact person should the department need to reach someone.
- * Inspection requests received before 4:00 p.m. Monday through Friday (excluding holidays) will normally be made the next business day. Requests received after 4:00 p.m. will be made following the next business day. The Automated Inspection Call Back System (AICBS) will attempt to telephone the contact phone number to confirm the inspection.
- * Permit fees provide for a limited number of inspections. A reinspection fee may be assessed when the work for which an inspection was requested is not complete, when the inspection record or plans are not available, or when there is failure to provide site access to department staff.
- * No person shall perform any construction or repair work between the hours of 9:00 p.m. (6:00 p.m. grading) and 7:00 a.m. the following day which results in loud noises to the disturbance of persons occupying sleeping quarters in any dwelling, hotel, motel, apartment, or other place of residence (Sec. 41.40 L.A.M.C.).
- * No person, other than an individual homeowner engaged in the repair or construction of his/her single-family dwelling, shall perform any construction or repair work of any kind upon any building or structure located on land developed with residential buildings or perform work within 500 feet of land so occupied, before 8:00 a.m. or after 6:00 p.m. on any Saturday or at any time on Sunday (Sec. 41.40 L.A.M.C.).
- * Dust control measures to prevent dust from being blown or deposited over or upon any private property in any residential area must be implemented during any excavation or earth-moving phase of construction, sand blasting, or demolition.
- * A separate permit from the State of California Division of Industrial Safety is required prior to starting certain work involving substantial risk to workers such as: construction or demolition exceeding 3 stories or 36 feet in height, or excavations or trenches over 5 feet in depth involving entry by workers.
- * Building permits are valid for two years or expire on the 180th day from the date of issuance if the work permitted has not commenced. The department reserves the right to expire any permit where work has been suspended for a period of 180 days or more.
- * Inspection services will not be provided when there is an unleashed dog on the premises.

BUILDING AND SAFETY PERMIT AND PLAN CHECK OFFICE LOCATIONS

Downtown Los Angeles 201 N. Figueroa St., 4th Fl. Los Angeles, CA 90012 Van Nuys 6262 Van Nuys Blvd., 2nd Fl. Van Nuys, CA 91401 West Los Angeles 1828 Sawtelle Blvd., 2nd Fl. Los Angeles, CA 90025

San Pedro 638 S. Beacon St., 2nd Fl. San Pedro, CA 90731 South Los Angeles 8475 S. Vermont Ave., 2nd Fl. Los Angeles, CA 90044



April 30, 2025

Mr. David Nguyen County of Los Angeles, Department of Public Works 900 South Fremont Avenue Alhambra, CA 91803-1331

Subject: Sunshine Canyon Landfill, Quarterly Vegetation Report

First Quarter 2025 Vegetation Report

Mr. Nguyen,

This report has been prepared in accordance with the following:

- Condition 18B of the Finding of Conformance
- Condition 44A of the Condition Use Permit (CUP)
- Los Angeles City Condition [Q] C.8 of the Ordinance No. 172,933

This report presents the progress of the site's landscaping and revegetation activities for the first quarter of 2025. The intent of these reports is to provide detailed information regarding the site's efforts related to vegetation including vegetation of interim and permanent slopes and activities conducted for the on-site sage mitigation areas.

Architerra Design Group continues to assist site personnel in evaluating current site conditions relating to vegetation and provide recommendations for future efforts. This report includes their assessment of the pilot sage vegetation area as well as recommendations for this area. Architerra's evaluation is in addition to the required quarterly monitoring performed by our consulting biologist.

1.0 Interim Slopes

For the purposes of this report, interim slopes are those defined as slope areas where no activities have taken place for 180 days or longer. CUP Condition 44A requires "a temporary hydroseed vegetation cover on any slope or landfill area that is projected to be inactive for a period of greater than 180 days".

1.1 Hydroseeding Activities

Based on the results of the trial project completed in August 2017, a 57-acre vegetative cover project using the approved seed mix was completed in mid-December 2017. Additionally, the site completed hydroseeding approximately 155 acres; application of the approved seed mix was completed during 2019. The increase in hydroseeding application is a result of our normal winterization efforts along with slope revegetation as a result of the Saddle Ridge Fire that impacted Sylmar, CA on October 2019. These areas had successful vegetation growth after the recent rains.

2.0 Permanent Slopes

Permanent slopes are defined as those where no landfilling activities will be conducted in the future.

As part of our Saddle Ridge Fire recovery efforts both the City and County permanent slopes of the landfill had hydroseed applied as necessary. This application of hydroseed was completed for soil stabilization purposes.

3.0 Non-Permanent Cut Slopes

Prior quarterly vegetation reports have illustrated one area above the front terminal sedimentation basin and one area near the temporary bypass road as "non-permanent cut slopes". An evaluation of these areas has been conducted and it has been determined that these areas are "permanent slopes" because no landfilling activities will be conducted against these slopes in the future.

4.0 Activities Conducted in Sage Mitigation Areas – 1Q2025

During the first quarter of 2025, the following activities were conducted in the sage mitigation areas at the landfill.

4.1 City South Sage Pilot Project Area – Deck C

The lower Deck C mitigation project area was impacted by the Saddle Ridge fire in October 2019. As noted in Rincon's (formerly JMA) City-Side Sage Mitigation Area Lower Deck report a substantial amount of the lower deck was burned or scorched. However, in previous reports they note that because this was an established site, they expect natural re-establishment of the native vegetation within the first two to three years. Rincon has noted a substantial amount of regrowth has occurred following the fire and included the most prevalent natives such as California Sunflower, Saltbush, Horseweed, and pockets of Wild Ryegrass. Rincon also noted non-native plant cover has slightly decreased between third and fourth quarter monitoring.

As reported previously, Architerra Design Group indicates that there has been an abundance of Venturan CSS species germinating and crown-sprouting since the

fire. The species following the rebound include Purple Sage, Coast Sunflower, White Sage, Creeping Wild Rye, Deerweed, Black Sage, and Mexican Elderberry. Surprisingly there are also new species from the original seed mix are now sprouting up in decent numbers and included in the list below:

- Purple Sage (Salvia leucophylla)
- Coast Sunflower (Encelia californica)
- White Sage (Salvia apiana)
- Creeping Wild Rye (Leymus triticoides)
- Deerweed (Lotus scoparius)
- Black Sage (Salvia mellifera)
- Mexican Elderberry (Sambucus mexicana)
- Scarlet Bugler (Penstemon centranthifolia)
- Telegraph Weed (Heterotheca grandiflora)
- Monkey Flower (Mimulus aurantiacus)
- Smooth-Leaf Yerba Santa (Eriodictyon trichocalyx)
- Thickleaf Yerba Santa (Eriodictyon crassifolium)
- Sunflower (Helianthus annuus)
- California Bush Sunflower (Encelia californica)
- California Sagebrush (Artemisia californica)
- California Buckwheat (Eriogonum fasciculatum)
- Quail Bush (Atriplex lentiformis)
- Four-Wing Saltbush (Atriplex canescens)
- Cattle Spinach (Atriplex polycarpa)
- Spinescale (Atriplex spinifera)
- Toyon (Heteromeles arbutifolia)
- Foothill Needlegrass (Nassella lepida)
- Coyote Bush (Baccharis pilularis)
- Showy Penstemon (Penstemon spectabilis)
- Wright's Cudweed (Pseudognaphalium microcephalum)
- White Horehound (Marrubium vulgare) Non-Native
- Australian Saltbush (Atriplex semibaccata) Non-Native

As reported from Architerra, the abundance of historic level rains last two winters and the summer 2023 storm Hillary has assisted in the emergence of many of the Ventruan CSS Species. This coupled with the below average temperatures and consistent rainfall from this past spring have accelerated the growth of both native and non-native plants throughout Deck C. Weed germination on Deck C is dominated by Shortpod Mustard (*Hirschfeldia incana*), Yellow Star Thistle (*Centaurea solstitialis*), and Common Sowthistle (*Salsola ssp.*). These species are found throughout the deck and are particularly prevalent on the northeast side. Along with the invasive weeds listed, the following native Venturan Coastal Sage Scrub species have also began to bloom: Saltbush (Atriplex sp.), Coast Sunflower (Encelia californica), California Sagebrush (Artemisia californica), and Coyote Bush (*Baccharis pilularis*).

It was recommended a year-round weed control program be implemented beginning in the late winter to early spring (February-April) so that non-native plants don't set seed, using both chemical and mechanical control practices. A qualified biologist should identify and flag native species to avoid unintentional damage. Dead plant material with potential seed will need to be cleared and removed off-site before seed drop. These areas will then need to reseeded with native species such as Beardless wild rye (Elymus triticoides) and Yarrow (Anchillea millefolium). Continuous monitoring and maintenance should proceed, ensuring weed control efforts are effective and native vegetation is successfully reestablished.

4.2 City South Deck B

The Deck B sage mitigation project began on April 9, 2018 and planting was completed by the end of the fourth quarter 2018. Soil samples indicated low pH and high salinity, as a result Deck B underwent a leaching schedule. Additional soil amendments and resampling were completed before planting began, which took place during the fourth quarter 2018. Pacific Restoration Group, Inc (PRG) has been working with Architerra for the completion of project. A summary of the progress is included in Attachment 3. The northwest portion of the Middle Deck burned during the Saddle Ridge Fire in October 2019. Architerra Design Group (ADG) indicated previously Deck B was doing quite well and there was minimal weed growth occurring with the exception of Shortpod Mustard and Slenderleaf Iceplant. These species have been observed to be in their vegetative state. Nonnative plants are expected to increase in the late spring to early summer months of 2025 due to the recent seasonal rainfall.

During Ricon's observation of Deck B, dominate native cover included brittlebush (Encelia farinosa), coast prickly pear (Opuntia littoralis), big saltbush (Atriplex lentiformis), deerweed (Acmispon glaber), California buckwheat (Eriogonum fasciculatum), California sagebrush (Artemisia californica), white sage (Salvia apiana), coyote brush (Baccharis pilularis), and herbaceous species such as beardless wild rye.

Revegetation efforts have been successful in the establishment of the Venturan Coastal Sage Scrub habitat and evidence of species and age diversity and resprouting of larger species. Architera also noted Deck B site is similar to those found on Deck C in the growth of the VCSS. The VCSS continues to grow and close off the canopy in several areas. Deck B is also dominated by California Buckwheat (*Eriogonum faciculatum*). However, the downslopes are primarily covered with little to no native species and should be addressed to remove the invasive weeds as soon as possible. It was also noted the native Creeeping Rye Grass was also scalped in this area. Maintenance crews have been educated to distinguish natives versus non-native species. Invasive Slenderleaf Iceplant (*Mesembryanthemum nodiflorum*) has been growing in the revegetation area and has gradually spread northward where no vegetation cover exists. Maintenance of the ice plant has been

minimal and continues to spread. The northern part of Deck B has been completely filled in and is well established with shading to prevent weed growth.

Overall, there is a good species diversity on this deck and planting is responding well with vigorous growth. It was also noted several California Pepper Trees (*Schinus molle*) and Saltcedar (*Tamarisk sp.*) should be removed.

4.3 City South Deck A

In December 2022, Conversations with Architerra were started to discuss a plan to address the potential mitigation plans for Deck A. An onsite meeting occurred during May 2023 for an initial assessment of Deck A and determine what will need to be done. We anticipate a tentative schedule to be established in the coming months.

Prior to any mitigation efforts, soil was placed in a large area affected by subsidence and graded for proper drainage. This occurred in June and July 2023 and it is anticipated in quarter two 2025, mitigation plans will commence to address the area. Additional areas have also been identified that will require additional soils to fill in low lying areas prior to any mitigation in Q2 of 2025.

The Deck A sage mitigation is anticipated to restart mid 2025. Recent grading activity on approximately 1.5 acres occurred during the second quarter and into early third quarter 2023. This grading activity was completed in order to fill a low spot resulting from subsidence and which led to ponding during this past winter. The initial plan for Deck A is to partition the approximately 25 acres into more manageable 5-acre plots. The recently graded area will be part of the initial revegetation plot and is expected to start after the first rains to allow the soil to properly leach. Soil sampling was conducted in September 2023 to determine the viability of the soil. The full report can be found in Attachment 3 of the third quarter report.

4.4 County Sage Mitigation Area

The County sage mitigation area is located on the western side of the County portion of Sunshine Canyon Landfill (Drawing 1). As noted in the first quarter Rincon County-Side Sage Mitigation Area report the upper half of the mitigation site was burned in the Saddle Ridge fire in October of 2019. No revegetation activities were conducted in this area during the first quarter of 2025, and as noted in multiple Rincon progress reports, the conditions in this mitigation area have remained unchanged for some time. Rincon notes in their attached 2025 first quarter vegetation report that this area remains problematic for establishment of vegetation due to barren soils. However, the southeastern portion of the plot is moderately covered with native and non-native vegetation and some small patches of vegetation have begun to establish a presence in the northern-central area. Soil

samples from this location indicate low pH, high salinity, and Boron present in native soils.

5.0 Assessments of Sage Mitigation Areas

Assessments of the site's sage mitigation areas are conducted by a qualified biologist on a quarterly basis. The following sections present a summary of the recommendations for the sage mitigation areas from Rincon (City and County sage mitigation areas) and Architerra (City South Sage Pilot Project Area (Deck C) and Middle Deck (Deck B) and the proposed actions in response to the recommendations.

5.1 Rincon Recommendations for City Sage Mitigation Areas

Rincon's progress reports for the City Sage Mitigation Areas for the first quarter of 2025 are provided in Attachment 1. These reports include recommendations based on the assessments. Table 1 presents a summary of these recommendations and the proposed actions.

 The booster pump and power that was destroyed in the Saddleridge Fire will need to be replaced for irrigation to deck A. Architerra's initial recommendation is to get a team on site to walk the deck and determine best strategy moving forwards to tackle the approximately 25 acres. This is anticipated to start mid 2025.

Table 1 – Rincon Recommendations and Proposed Actions – City Sage
Mitigation Areas, First Quarter 2025

AREA		RECOMMENDATION	PROPOSED ACTION
Lower, Middle, and Upper Decks (Decks C, B, and A)	1	Weed Control – Implement a year-round weed control program to control non- native species.	A weed control program is already in place on Deck C and B as part of the pilot project and will continue. A weed control program on A will be implemented along with the mitigation plans for these areas.
Lower, Middle Decks (Decks C, B)	2	Irrigation – Reinstall irrigation system if drought conditions continue to the areas to alleviate stress on regrowth	Even with above average rainfall this winter, supplemental irrigation systems may be reinstalled to promote germination and growth of native plants is signs of desiccation appear. We will continue to evaluate and proceed as warranted.
Lower, Middle, and Upper Decks (Decks C, B, and A)	3	Prohibit Access – Continue to prohibit vehicle access to mitigation areas.	Repairs to the T-post fencing will be made as needed.

Upper Deck (Deck A)	3	Improve root zone and soil conditions	This will be addressed when the plans for Deck A is developed. Actions were taken to address improving the root zone in Decks B & C; it is expected that similar actions will be incorporated into the plans for Deck A.
Upper Deck (Deck A)	4	Plant natives in areas dominated with non- natives	This will be addressed when the plans for Deck A are developed. Various planting methods were used for the construction of the pilot project on Decks B & C; it is expected that similar actions will be incorporated into the plans for Deck A.
Upper Deck (Deck A)	5	Reseeding – apply native seeds during the rainy season after soil mounds have been established	Deck A was partially regraded to fill in ponding locations. Reseeding will continue into Q2 2025.

Rincon also recommended that a monitoring biologist should be present during weed control activities or the native plants should be flagged to ensure only non-native species are removed. A monitoring biologist will be consulted prior to any weed control activities to ensure native plants are protected.

Architerra and Rincon continue to provide support to the Oakridge maintenance personnel to assist in removal of the invasive weeds on both Deck B and C. Architerra has pointed out some of the more aggressive weeds that have flourished since the Saddle Ridge Fire. Architerra provided them with images of the invasive weeds to help identify and target these invasive species. Oakridge Landscape have been diligently removing Russian Thistle, Wild Oat, Shortpod Mustard, Red Brome Grass, False Barley, Tree Tobacco, and Yellow Star Thistle that took hold in the burned barren areas. During May 2023, An Architerra biologist was present during weeding activities to ensure native species are properly identified within the heavily non-native vegetation.

5.2 Rincon Recommendations for County Sage Mitigation Area

Table 2 presents a summary of the recommendations proposed by Rincon based on the assessment of the County Sage Mitigation Area and the proposed actions. Please refer to the full recommendations in the Rincon reports in Attachment 2.

Table 2 – Rincon Recommendations and Proposed Actions – County Sage
Mitigation Area, First Quarter 2025

AREA	REG	COMMENDATION	PROPOSED ACTION
County Sage Mitigation Area	1	Create benches to control soil erosion and improve soil conditions to improve plant establishment and seed dispersal	Rincon and ADG continue to evaluate recommendations from the County Task Force and UltraSystems.
County Sage Mitigation Area	2	Reseed and plant container plants	A trail test pilot plan will be discussed with California Native shrubs.
County Sage Mitigation Area	3	Use soil amendments	A trial test plot would need to be developed. This recommendation will be considered at a later date.
County Sage Mitigation Area	5	Signage – Install signage indicating revegetation efforts.	Due to the slopes, stormwater channel and overall difficulty to access this area, personnel are limited to access this area.
County Sage Mitigation Area	6	Weed Control – Continue weeding as needed on a quarterly basis.	Personnel continues to evaluate the current status.
County Sage Mitigation Area	7	Prohibit Access – continue to prohibit vehicle access to mitigation deck.	Upper entrance has a locked gate, no further action is required.

5.3 Architerra Inspection for City South Sage Mitigation Pilot Project Area – First Quarter 2025

The inspection report is included in Attachment 3 along with photos of the area taken at the photo stations.

5.4 Quarterly Assessment of City South Sage Pilot Project Area

The methodology for assessment of the City South Sage Pilot Project Area developed by Rincon (formerly JMA) was included in the first quarter 2015 Vegetation Report. The evaluation report for the first quarter of 2025 based on this methodology is included in Attachment 4 and Attachment 5 for Deck C and Deck B, respectively. Concerns for the county-side stability for soil erosion will be addressed in the coming months. Current plans require some regrading and infrastructure repairs from the current and previous rainy seasons.

6.0 Status of Other Vegetated Areas

Big Cone Douglas Fir Tree Mitigation

As reported in the vegetation report for the first quarter of 2015, 200 Big Cone Douglas fir tree saplings were planted the third week of March 2015. These big cone Douglas fir pine trees continue to be monitored and maintenance activities were conducted in this mitigation area for 2022 and into the future.

A meeting with Rincon biologist was conducted on November 18, 2022 at the Big Cone Mitigation area. We will begin to work with local nurseries to help replace and replant some of the existing dead big cone pine and canyon oak. We are also evaluating a new location for planting more big cone pines and canyon oak in this area, and finally to establish healthy big cone pine and canyon oak in a timely established schedule. Plans to replenish the mitigation bank will continue from seed collection in quarter one 2025 or quarter two 2025. Once the seeds are collected and stratified, seed will then be potted in the spring or summer of 2025 whereas they will be allowed to germinate for a year at a nursery. Once saplings are viable, they will be brought to site to be planted in the mitigation area on site. This planting is anticipated the fall of 2026.

PM10 Berm

Republic Services hosted an Adopt-A-Tree event for employees and their family members. On Saturday, November 14th, 2020, at 2:00 pm, Fourteen (14) Coast Live Oak trees were planted in critical areas of the PM10 Berm that was damaged during the Saddleridge Fire. Architerra and JMA (i.e. Rincon) assisted in the planting efforts with their expertise and knowledge of tree growth and ideal planting locations.



Front Entrance Toe Berm

The proposed project involves the development of a landfill termination berm and construction of a roadway. There were 20 coast live oak trees surveyed within the project footprint by Rincon and project leads. One of the oak trees was dead, and all of them would be removed by the project activities. There are currently 48 coast live oak trees in the landfill's mitigation bank. As noted, the 20 coast live oak trees would be removed by the proposed project, therefore at a mitigation ratio of 2:1, a total of 40 coast live oak trees will be deducted from the landfill's oak tree mitigation bank, leaving 4 oak trees remaining in the bank for future removals at the landfill, if needed. A report detailing the survey is located in Attachment 6.

Donation to Local Community

As part of community outreach, a rancher in the area asked if he could plant some oaks trees on his ranch nearby, and Sunshine Canyon agreed it would be a great idea. Thereafter on September 9th 2021, twenty-two (22) coast live oaks and two sycamores were donated from the Sunshine Canyon nursery and given to the rancher. The rancher mentioned the oak trees shall provide shade for his livestock and beautify the surrounding private property and was very pleased with the trees.

In April 2025, the site gave away 33 Live Oak and Coastal Scrub Oaks to the City of Los Angeles to be planted at local parks.



Please do not hesitate to contact me at (818) 923-4816 if you have any questions.

Regards,

Andrew Asaro

Environmental Specialist

Andrew Asaro

Sunshine Canyon Landfill

Cc: Ms. Dorcas Dee Hanson-Lugo, SCL LEA

Mr. David Thompson, SCL LEA

Ms. Tiffany Butler, City of Los Angeles, Department of City Planning

Ms. Devon Zatorski, City of Los Angeles Department of City Planning

Ms. Ly Lam, City of Los Angeles, Department of City Planning

Mr. Nicholas Hendricks, City of Los Angeles, Department of City Planning

Enrique Casas, Los Angeles Regional Water Quality Control Board

Ms. Maria Masis, County of Los Angeles, Department of Regional Planning

Mr. Wayde Hunter, SCL CAC

Mr. Jim Aidukus, UltraSystems

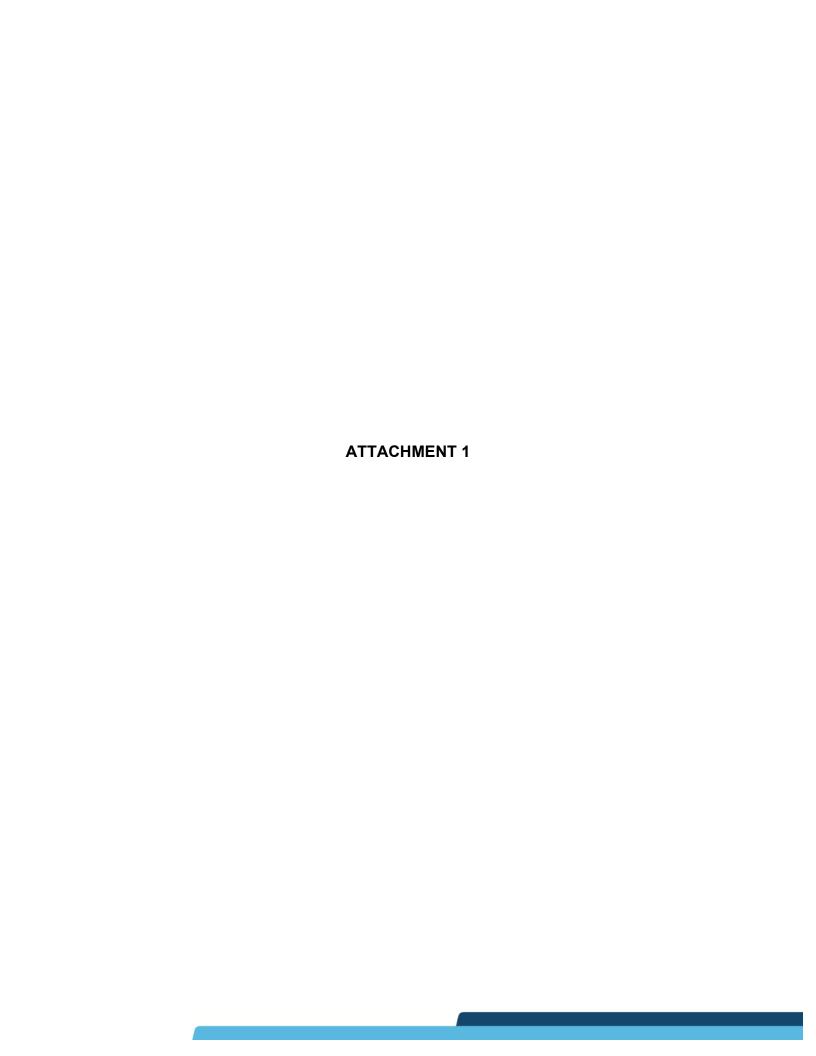
County DPW Landfill Unit

Attachments

Attachment 1	Rincon Progress Report, 1Q2025 City-Side Sage Mitigation Area
Attachment 2	Rincon Progress Report, 1Q2025 County-Side Sage Mitigation Area
Attachment 3	Architerra Design Group, Field Observation Report, South City Sage Mitigation Pilot Project – 1Q2025 with Photo Log
Attachment 4	Rincon Quarterly Monitoring Report - Coastal Sage Scrub Deck C Pilot Study, 1Q2025
Attachment 5	Rincon Quarterly Monitoring Report - Coastal Sage Scrub Deck B Pilot Study, 1Q2025
Attachment 6	Rincon Sunshine Canyon Landfill Ultimate Entry Improvement Project, Oak Tree Survey Report

Drawing

Drawing 1 Site Vegetation Status and Activity





Rincon Consultants, Inc.

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April 17, 2025

Project No: 21-11086

Andrew Asaro Environmental Specialist Republic Services 14747 San Fernando Road Sylmar, California 91342

Via email: AAsaro@republicservices.com

Subject: Qualitative Monitoring Report for the City-Side Sage Mitigation Area – 1st Quarter 2025

Sunshine Canyon Landfill, Sylmar, California

Dear Mr. Asaro,

On April 1, 2025, Rincon Consultants performed the first quarter qualitative monitoring of 2025 for the Republic Services City-Side Sage Mitigation Area. This report qualitatively documents the current conditions of the City-Side Sage Mitigation Area with regards to the Landfill's coastal sage scrub restoration efforts. The City-Side Sage Mitigation Area consists of the Lower Deck, Middle Deck, and Upper Deck (including slope between middle and upper decks), which are discussed in detail below.

General Conditions

Lower Deck

In 2014, the Landfill initiated a pilot study at the Lower Deck (Deck C) to assess three different seeding applications of native species that included hand broadcasting, imprinting, and hydroseeding. Some container plants were also planted at the Lower Deck, but in low quantities. Germination, establishment, and natural recruitment of native plants ensued; however, the Lower Deck and surrounding area burned during the Saddleridge Fire in October 2019. The fire burned a substantial amount of the Lower Deck, scorching some of the vegetation entirely and partially burning some of the vegetation. The fire also burned the irrigation system, and the vegetation has been without supplemental water ever since.

A substantial amount of regrowth has occurred following the fire, including germination from the seed bank in the soil and resprouting of below- and above-ground plant parts. The Lower Deck appears to have almost fully recovered from the fire. The most prevalent native plant species observed within the Lower Deck in the first quarter of 2025 was California sunflower (*Encelia californica*), followed by big saltbush (*Atriplex lentiformis*), allscale saltbush (*Atriplex polycarpa*), and beardless wild rye (*Elymus triticoides*). Immediately following the Saddleridge Fire, areas that were previously dominated with saltbush species were largely replaced by mats of non-native grasses such as red brome (*Bromus rubens*), ripgut brome (*Bromus diandrus*), foxtail barley (*Hordeum murinum*), and non-native forbs such as redstem filaree (*Erodium cicutarium*). Native shrub species have resprouted and are fully reestablished, and have shown signs of continuous growth since the fire. In addition, seedlings of native



City-Side Sage Mitigation Area Qualitative Progress Report – 1st Quarter, 2025

shrub species have germinated from native seed in the seed bank, indicating that a sustainable shrubland vegetation community has established in the Lower Deck.

Non-native annual plant species have increased in abundance in the first quarter of 2025 as a result of natural germination of non-native herbaceous species in the late winter and early spring months. Beardless wild rye, a native grass species, has shown recovery from previous weeding activities (i.e., weed whipping) performed by landfill staff in fall 2024. This species is intermixed with non-native forbs and grasses, and is easy to mis-identify as a non-native grass species. Exotic annual plant species have already begun germinating in the first quarter of 2025. Non-native plant species cover is anticipated to increase as spring 2025 continues as a result of seasonal rain. The majority of non-native vegetation observed at the Lower Deck in the first quarter of 2025 consisted of non-native annual grasses, short podded mustard (*Hirschfeldia incana*), redstem filaree, and tocalote (*Centaurea melitensis*).

Middle Deck

In 2019, the Landfill initiated a pilot study at the Middle Deck (Deck B) to assess germination and establishment rates (e.g., percent cover) of soil imprinting and broadcast seeding methods. Some container plants were also planted at the Middle Deck, but in low quantities. Germination and establishment of native plants ensued; however, there was not much evidence of natural recruitment due to the short timeframe from when the deck was seeded to when it burned during the Saddleridge Fire, which also decimated the irrigation system.

Native vegetation observed at the Middle Deck consists of woody species such as brittlebush (*Encelia farinosa*), California sunflower (*Encelia californica*), deerweed (*Acmispon glaber*), California buckwheat (*Eriogonum fasciculatum*), California sagebrush (*Artemisia californica*), coastal goldenbush (*Isocoma menziesii*), white sage (*Salvia apiana*), coyote brush (*Baccharis pilularis*), and herbaceous species such as beardless wild rye. Native shrub species diversity in the Middle Deck is generally greater than that observed in the Lower and Upper Decks. Of all the observed native species, brittlebush, coastal goldenbush, California sagebrush, and deerweed (*Acmispon glaber*) are in the greatest abundance. Almost all native shrub species were in their vegetative state.

Non-native plants are in moderate abundance throughout the Middle Deck. Dominant not-native plant observed include exotic grasses such as red brome, and forbs such as short podded mustard, tocalote, and small flowered iceplant (*Mesembryanthemum nodiflorum*). These species were observed in their vegetative state during the first quarter of 2025. In general, non-native weed cover is moderate. Small flowered iceplant has consistently increased in cover between 2023 and 2025. Non-native plants are anticipated to increase in the late spring and early summer months of 2025 as a result of water availability provided by seasonal rains.

Upper Deck

Overall, the Upper Deck (Deck A) continues to be sparsely covered with native vegetation due to compacted and poor soil conditions. However, in the southern-center of the Upper Deck, vegetation cover is higher than in other areas and includes native species such as California buckwheat, as well as non-native species such as foxtail barley, redstem filaree, and Australian saltbush (*Atriplex semibaccata*). The presence of vegetation in the southern-center portion of the Upper Deck generally demonstrates that the soils in this area are suitable for supporting vegetation, both native and exotic. However, the soils elsewhere on the Upper Deck appear to be heavily compacted and gravelly, and vegetation

City-Side Sage Mitigation Area Qualitative Progress Report – 1st Quarter, 2025

coverage in these areas is sparse. Evidence of previous seeding is no longer discernible within the portions of the Upper Deck where plant establishment is visibly poor.

Non-native herbaceous species that dominate the Upper Deck currently include wild oats (*Avena fatua*), Russian thistle, ripgut brome, red brome, short podded mustard, and redstem filaree. California buckwheat is the most dominant native perennial woody plant species on the Upper Deck, and is currently setting seed. However, as described in previous monitoring reports, overall natural recruitment of native plant species within the Upper Deck is low due to poor and dry soil conditions.

Table 1 Summary of Observations in the Lower, Middle, and Upper Decks in Quarter 1, 2025

Native Plant Vegetation					Exotic Plant Vegetation		
Location	Native Plant Cover	Plant Health Issues	Height of Native Species	Native Species Richness	Exotic Plant Cover	Phenological State	
Lower Deck	Moderate-High	Recovering from fire, drought	12"-48"	Shrubs: Moderate Herbs: Low	Low	Vegetative and flowering	
Middle Deck	Moderate	Recovering from fire, drought	12"-48"	Shrubs: Moderate Herbs: Low	Low	Vegetative and flowering	
Upper Deck	Minimal	Poor soils, drought	12"-36"	Shrubs: Low Herbs: Low	Low	Vegetative and flowering	

Recommendations

Lower and Middle Decks

Weed Control

- Implement a year-round weed control program to control non-native species. The weed control program should incorporate both chemical and mechanical control practices and should be initiated in the late winter to early spring prior to seed set, which typically occurs between the months of February and April. This will prevent further dispersal of exotic plants within the Lower and Middle Decks.
- Following weed control, any dead material harboring seeds should be removed to an off-site
 location to the extent feasible. Dense areas covered with red brome, ripgut brome, foxtail
 barley, and short podded mustard should be controlled by removing flowers and immature
 seeds heads before they drop. These areas should be reseeded with native herbaceous species
 that are known to grow well in the Lower (and Middle) Decks, such as beardless wild rye and
 yarrow (Achillea millefolium).
- A qualified biologist should be present during weed control activities or flag the native plants
 that should remain prior to weed control activities to ensure only non-native species are
 removed and to minimize damage to native plant species to the greatest extent feasible. If a
 contractor is responsible for weed control, the contractor should verify with the Landfill that all
 personnel are experienced in native and non-native plant identification.



• Weeding is best performed just before, or at the onset of flowering, but before seed set. If seeds are already present, additional care should be taken to remove the plants with the seeds attached, or the seeds should be removed from the plants prior to the plant removal. A consistent weed abatement schedule will reduce the potential for non-natives to set seed. Soil disturbance should be limited by hand weeding, wherever possible, and weeds should be disposed of off-site to avoid any reinfestation through reseeding or from plant propagules. If hand weeding is not possible, the monitoring biologist should be consulted regarding the appropriate method of weed removal. For example, using mechanical equipment to remove flowers and immature seed heads may be appropriate where dense mats of non-native grasses have established. If there continues to be high incidence of weed infestation, weed control may need to be increased to every four to six weeks. Otherwise, weeds should continue to be monitored and controlled on a quarterly basis.

Irrigation

• The Lower and Middle Decks burned during the Saddleridge Fire in October 2019. The fire burned the irrigation system that was installed prior to the fire, and the vegetation has been without supplemental water ever since. While southern California received above-average rainfall in the winter of 2023 and spring of 2024, it received below average rainfall in the winter of 2024 and spring of 2025. Supplemental irrigation may be necessary if native plants show signs of desiccation stress. If indicators of drought stress are observed, it is recommended that the irrigation system within the Lower and Middle Decks are re-installed to promote germination and growth of native plant species.

Prohibit Access

• Continue to prohibit vehicle access to mitigation areas.

Upper Deck

Improve Root Zone and Soil Conditions

- Continue to investigate ways to import the soil layer to improve the root penetration and saturation zone to enable plant growth in heavily compacted areas. Consider applying soil in random undulations or uneven mounds to improve soil porosity and filtration and to control soluble salts from leaching from existing layer.
- Prior to seeding (broadcast, hydroseeding, or drilling) of native species, incorporate a soil
 amendment or mulch with high organic content by tilling it into the top 12 inches of the existing
 compacted soils to improve soil texture, drainage, porosity, and aerobic conditions. If an organic
 mulch or soil amendment is not feasible or available, incorporate available soil from borrow
 sites within the landfill that have the appropriate soil properties, so long as these borrowed soils
 have been determined to not have toxic conditions, such as boron or high salinity.

Plant Natives in Areas Dominated with Non-Natives

• The vegetated areas on the Upper Deck that are currently dominated with non-native annual species have decent soil-texture conditions. These areas are less compacted than adjacent areas

City-Side Sage Mitigation Area Qualitative Progress Report – 1st Quarter, 2025

that are gravelly and mostly devoid of vegetation. In general, the soil texture within the vegetated areas with non-native vegetation is friable down to approximately 8-12 inches in depth. Various planting methods (i.e., planting container plants and hydroseeding) may be used to re-establish native plants on the Upper Deck where non-natives currently dominate.

Weed Control

- Implement a year-round weed control program to control non-native species. The weed control program should incorporate both chemical and mechanical control practices. Following weed control, any dead material harboring seeds should be removed to an off-site location to the extent feasible.
- A qualified biologist should be present during weed control activities or flag the native plants
 that should remain prior to weed control activities to ensure only non-native species are
 removed and to minimize damage to native plant species to the greatest extent feasible. A
 biologist should verify that the weed removal methodology does not encourage re-colonizing of
 non-native plant species.
- Weeding is best performed just before, or at the onset of flowering, but before seed set. If seeds are already present, additional care should be taken to remove the plants with the seeds attached, or the seeds should be removed from the plants prior to the plant removal. A consistent weed abatement schedule will reduce the potential for non-natives to set seed. Soil disturbance should be limited by hand weeding, wherever possible, and weeds should be disposed of off-site to avoid any reinfestation through reseeding or from plant propagules. If hand weeding is not possible, the monitoring biologist should be consulted regarding the appropriate method of weed removal. For example, using mechanical equipment to remove flowers and immature seed heads may be appropriate where dense mats of non-native grasses have established. If there continues to be high incidence of weed infestation, weed control frequency may need to be increased. Otherwise, weeds should continue to be monitored and controlled on a quarterly basis.

Reseeding

 Following the application of soil mounds as previously described, apply native seed (by means of broadcast seeding, hydroseeding or drilling) during the rainy season, between December and March, or prior to a forecasted rain event.

Prohibit Access

Continue to prohibit vehicle access to mitigation areas.



City-Side Sage Mitigation Area Qualitative Progress Report – 1st Quarter, 2025

Thank you for the opportunity to work with you on this important project. Please contact Greg Ainsworth if you have questions concerning the contents of this report. He may be reached by telephone at (818) 564-5544, or by email at gainsworth@rinconconsultants.com.

Sincerely,

Rincon Consultants, Inc.

Greg Ainsworth

Natural Resources Director

Attachments

Attachment A Figure 1. Photograph Locations

Attachment B Site Photographs

Attachment A

Figure 1. Photograph Locations



Figure 1 Photograph Locations



Imagery provided by Microsoft Bing and its licensors © 2023. Photo Locations have been georeferenced and are approximate locations.

Fig 2 City Sage - Photo Location

Attachment B

Site Photographs





Photograph 1. Facing west at Lower Deck. View of eastern limits dominated by Atriplex spp. and California sunflower (April 1, 2025).



Photograph 2. Lower Deck from western boundary (April 1, 2025).





Photograph 3. Facing east at the Middle Deck from western boundary (April 1, 2025).



Photograph 4. Facing west at the easterly-facing slope located between the Middle and Upper Decks. The vegetation on the slopes between the Upper Deck is dominated by California buckwheat (currently vegetative) and non-native annual grasses (April 1, 2025).





Photograph 5. Facing northeast at the Upper Deck. This area is compacted and gravelly and continues to be problematic for supporting vegetation. Non-native annual grasses and forbs, and California buckwheat shrubs are evident in the background (April 1, 2025).

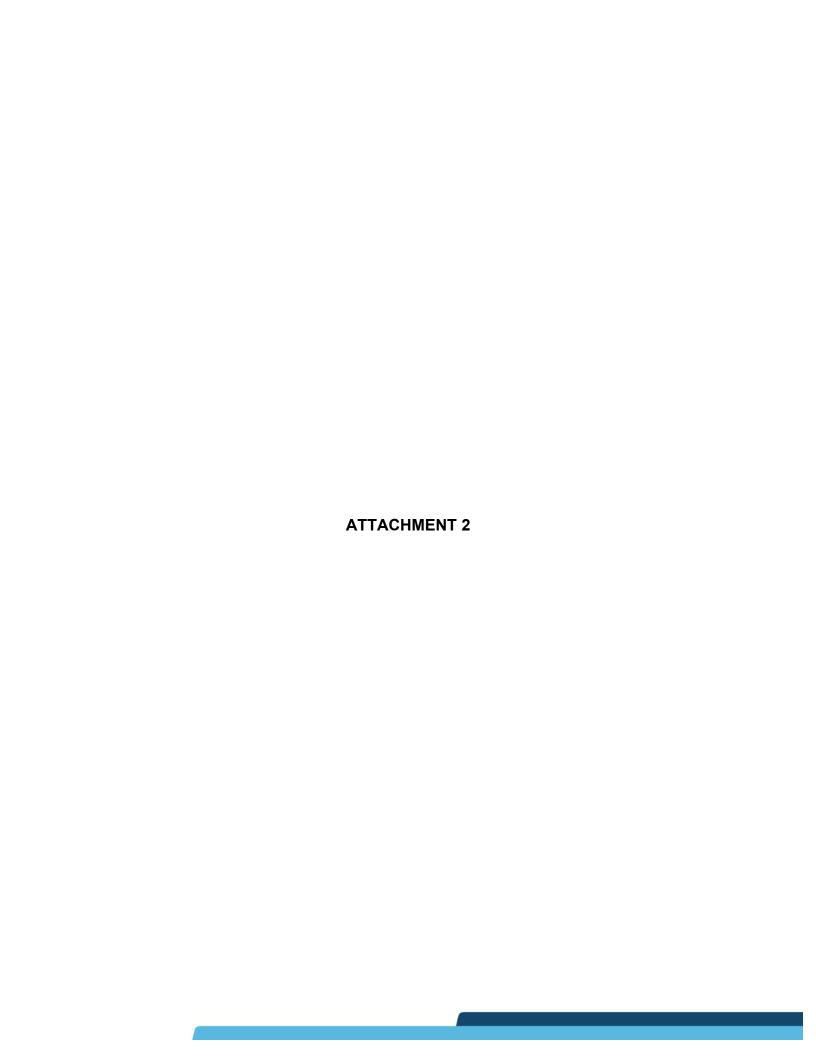


Photograph 6. Facing southwest at the Upper Deck. This area is primarily dominated by wild oats, brome grasses, redstem filaree, and short podded mustard (April 1, 2025).





Photograph 7. Facing southeast at the western portion of the Upper Deck. This area is dominated by short podded mustard, Australian saltbush, and Russian thistle (April 1, 2025).





April 17 2025

Project No: 21-11086

Andrew Asaro Environmental Specialist Republic Services 14747 San Fernando Road Sylmar, California 91342

Via email: <u>AAsaro@republicservices.com</u>

Subject: Qualitative Monitoring Report for the County-Side Sage Mitigation Area – 1st Quarter 2025

Sunshine Canyon Landfill, Sylmar, California

Dear Mr. Asaro,

On April 1, 2025, Rincon Consultants conducted the first quarter qualitative monitoring of 2025 for the County-Side Sage Mitigation Area (mitigation area). This report documents the current conditions of the mitigation area.

General Conditions

Hydroseeded Areas

Germination and plant growth from hydroseeding that occurred several years ago is not discernible in some portions of the mitigation area. Conditions in the mitigation area have remained relatively unchanged since the fourth quarter of 2024. Areas that are moderately covered with native and non-native vegetation are concentrated in the southeastern portion of the mitigation area. The northern and upper portions of the mitigation area continue to be bare and problematic for establishment of vegetation, primarily because of highly eroded soils, steep slopes, and Boron-toxic soils (See *Recommendations* section). However, there are some small patches of vegetation that have established in the northern-central portion of the mitigation area and include shrubs such as California buckwheat (*Eriogonum fasciculatum*), deerweed (*Acmispon glaber*), and California sagebrush (*Artemisia californica*).

Native plant coverage is similar to the previous quarterly monitoring reports. The southern half of the mitigation area has relatively good coverage of native species, mostly California buckwheat and California sunflower (*Encelia californica*), which were either in their vegetative state or flowering during the first quarter of 2025. Established laurel sumac (*Malosma laurina*) individuals are present as well. The native vegetation coverage is assumed to be a direct result of seeding; however, some natural recruitment of native plant species is apparent based on the various sizes of shrubs and the presence of shrub seedings in the understory. Due to rocky (hydrophobic) soil conditions, soil erosion and Borontoxic soils on the northern-half and upper portions of the mitigation area, minimal plant growth is present. Due to the lack of plant establishment in these areas, erosional features have become prominent, especially following above-average rainfall events.

Annual non-native grasses and forbs currently dominate the understory and serve as ground cover in most of the vegetated areas. Brome grasses (*Bromus* spp.), wild oats (*Avena fatua*), short podded mustard (*Hirschfeldia incana*), Russian thistle (*Salsola tragus*), and tocalote (*Centaurea melitensis*) are

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County-Side Sage Mitigation Area Qualitative Progress Report – 1st Quarter, 2025

the most dominant non-native species present, and comprise approximately 25 to 35 percent of the total cover. California buckwheat dominates the native vegetation coverage with California sagebrush and California sunflower present as co-dominants. Native species comprise approximately 75 to 80 percent of the native vegetation cover in areas where vegetation is present. Other less dominant native species observed include golden bush (*Ericameria linearifolia*), coyote brush (*Baccharis pilularis*), black sage (*Salvia mellifera*), deerweed, and laurel sumac.

Seed Mix Areas

Like the hydroseeded areas, germination and plant growth from the seed mix areas that occurred several years ago is not discernible. As described in previous monitoring reports, a substantial portion of the mitigation area continues to be bare and problematic, which has inhibited the establishment and growth of vegetation. However, in areas where vegetation is present, there is a moderate coverage of native species (e.g., California buckwheat and California sunflower).

As described in the *Hydroseeded Areas* discussion above, a moderate cover of native plants exists within vegetated areas in the southeastern portion of the mitigation area, and annual non-native grasses and forbs currently dominate the understory.

Native Plant Conditions

The plant cover rating indicated further below in



County-Side Sage Mitigation Area Qualitative Progress Report – 1st Quarter, 2025

Table 1 applies where vegetation is dominant in the southeastern portion of the mitigation area. Vegetation cover is moderate in the southeastern portion of the mitigation area and sparse along the upper slopes where rocky and eroded soil conditions occur, and in the northern portion of the mitigation area due to problematic soil conditions. As a result, most of the northern and upper portions of the mitigation area continue to have minimal coverage. Native vegetation coverage is good in vegetated areas and non-native plant cover is relatively low. Bare areas and non-native annual grasses are intermixed; however, as noted the northern and upper areas continue to be mostly bare where erosion and rocks are apparent.

California buckwheat is dominant and California sunflower is sub-dominant. Establishment of vegetation is problematic due to rocky soils with poor soil structure, and Boron toxicity has made plant growth (i.e., seed germination and recruitment) difficult. The species richness is low to medium within vegetated areas; however, species richness is considerably low when considering the entire county-sage mitigation area.

Exotic Plant Conditions

Annual non-native weed species consist primarily of brome grasses, wild oats, and mustards, which have begun germinating due which aligns with their natural growth. Russian thistle, a mid-season plant species, is currently senesced. Non-native plant cover is anticipated to increase in the late spring months of 2025 and early summer months of 2025 as a result of the winter's seasonal rains bringing higher water availability. Other established weeds that were observed include redstem filaree (*Erodium cicutarium*) and telegraph weed (*Heterotheca grandiflora*; a weedy native plant species).

County-Side Sage Mitigation Area Qualitative Progress Report – 1st Quarter, 2025

Table 1 Summary of Native and Exotic Plant Cover in the County-Side Sage Mitigation Area in Quarter 1, 2025

	Native Plant Vegetation					Exotic Plant Vegetation	
Location	Native Plant Cover	Plant Health Issues	Height of Native Species	Native Species Richness	Exotic Plant Cover	Phenological State	
County-Side Sage Mitigation Area	Moderate	Drought	12"-36"	Medium	Moderate	vegetative and flowering	

Recommendations

The following recommendations within the County-Side Sage Mitigation are suggested based upon the field survey performed in the first quarter of 2025.

- Create Benches. Consider creation of several benches throughout the mitigation area to control soil erosion and to improve soil conditions to improve plant establishment and seed dispersal. This technique has been widely used on steep slopes and in areas where soil erosion is problematic. This technique also allows for opportunities to introduce a high-quality soil layer above the poor soils that exist.
- Reseed and Plant Container Plants with Irrigation. If creation of benches is feasible, planting methods should include hydroseeding, broadcast seeding, and/or imprinting no more than 10 days prior to a forecasted rain event, unless an irrigation system is installed. Planting with container plants with supplemental irrigation should also be considered.
- Use Soil Amendments. Incorporate a soil amendment or mulch with high organic content in select areas as determined by a restoration specialist.
- **Signage.** Install signs indicating that the area is undergoing revegetation.
- Weed Control. Continue weed control program as needed on a quarterly basis.
- Prohibit Access. Prohibit equipment access to mitigation area.

Thank you for the opportunity to work with you on this important project. Please contact Greg Ainsworth if you have questions concerning the contents of this report. He may be reached by telephone at (818) 564-5544, or by email at gainsworth@rinconconsultants.com.

Sincerely,

Rincon Consultants, Inc.

Greg Ainsworth

Natural Resources Director

Attachments

Attachment A Figure 1. Photograph Locations

Attachment B Site Photographs

Attachment A

Figure 1. Photograph Locations



Figure 1 Photograph Locations



Attachment B

Site Photographs





Photograph 1. Facing southwest at the County-Side Sage Mitigation Area (April 1, 2025).



Photograph 2. Facing northwest at the northern portion of the County-Side Sage Mitigation Area where plant growth has been problematic due to poor soil conditions (April 1, 2025).



ARCHITERRA design group landscape architecture and planning

ARCHITERRA DESIGN GROUP

FIELD OBSERVATION REPORT

DATE OF VISIT:	4/8/25
PROJECT:	Sunshine Canyon Mitigation Sites
PROJECT NUMBER:	1214
PROJECT MANAGER:	Gregg Denson
SITE INSPECTION #:	
PURPOSE OF VISIT:	Review site conditions/Photo Catalog
TIME OF SITE VISIT:	10:30am
WEATHER/TEMPERATURE:	Sunny 70° - Winds 5-10 mph
ESTIMATED % COMPLETED:	100%
CONFORMANCE WITH SCHEDULE (+, -)	

WORK IN PROGRESS:	Weed abatement / Monitoring Period /Construction Observation
PRESENT ON SITE:	Gregg Denson

A site visit walk and evaluation has been completed to review the Venturan CSS vegetation establishment on Decks A, B, C, and County Mitigation Slopes. Additional items noted during the site visit are as follows:

City-Side Sage Mitigation (Deck A):

• Vegetation has established on the Deck A area where a depression in the deck previously existed and was filled. The vegetation is mostly comprised of invasive weeds including Brome Grass, Shortpod Mustard and Oxalis.





- Weed growth on Deck A includes the following species, many of which are at flowering stages: Shortpod Mustard (Hirschfeldia incana), Bromegrass (Bromus ssp.), Horseweed (Erigeron canadensis), Tree Tabacco (Nicotiana glauca), Yellow Star Thistle (Centaurea solstitialis), Common Sowthistle (Sonchus oleraceus), Buttonweed (Althaea officinalis), Red-Stem Filaree (Erodium cicutarum), Red Brome (Bromus madritensis ssp. rubens).
- Some portions of Deck A are blooming with annual California Goldfields (Lasthenia californica).



City-Side Sage Mitigation (Trial Site Deck B):

 Weed growth on Deck B is minimal with mostly Shortpod Mustard (Hirschfeldia incana) and Slenderleaf Iceplant (Mesembryanthemum nodiflorum) flourishing on the deck.



New native seedlings of California Bush Sunflower (Encelia californica) surrounded by invasive Shortpod Mustard (Hirschfeldia incana)





New native Black Sage (Salvia mellifera) on Deck B



New native California Buckwheat (Eriogonum californica) on Deck B

• There appears to be activity within the central part of Deck B. This may have been due to access needed to a gas well or piping. The result was some soil disturbance and minor plant damage.



Soil Disturbance/Damage on Deck B



ARCHITERRA DESIGN GROUP 10221-A TRADEMARK STREET, RANCHO CUCAMONGA, CA 91730 Phone (909) 484-2800, Fax (909) 484-2802



Invasive California Pepper Tree near Helipads that needs to be removed.



Invasive Tamarix Tree near on Deck B that needs to be removed.

ARCHITERRA DESIGN GROUP

10221-A TRADEMARK STREET, RANCHO CUCAMONGA, CA 91730

Phone (909) 484-2800, Fax (909) 484-2802

City-Side Sage Mitigation (Trial Site Deck C):

Consistent spring rainfall, companied with lower than average temperatures has allowed an abundance of growth to occur on Deck C. This includes both invasive weed germination along with native seed germination. Weed germination on Deck B weed growth includes Shortpod Mustard (Hirschfeldia incana), Tree Tabacco (Nicotiana glauca), new seedlings of Russian Thistle (Salsola ssp.) and Yellow Star Thistle (Centaurea solstitialis), and Common Sowthistle (Sonchus oleraceus), Native Venturan Coastal Sage Scrub species: Saltbush (Atriplex sp.), Coast Sunflower (Encelia californica), California Sagebrush (Artemisia californica), and Coyote Bush (Baccharis pilularis) are also establishing in void areas within the deck.



California Quail (Callipepla californica) scamper up the vehicular road on Deck C



Shortpod Mustard (Hirschfeldia incana) seedlings take root in Deck C



Invasive weeds are intermixed with native seedlings, so inspection by the contractor to flag and identify native species is critical. California native, Creeping Rye (Leymus triticoides) trying to reestablish after scalping with Shortpod Mustard (Hirschfeldia incana) seedlings intermixed. Allowing the establishment of the Creeping Rye will help to shade out the invasive Mustard



California Sagebrush (Artemisia californica) seedling growing with native Creeping Rye Grass

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Yerba Santa (*Eriodictyon trichocalyx*) seedlings growing in close proximity to parent plants



Creeping Rye Grass (Leymus triticoides) reestablishing after heavy scalping

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Invasive Tree Tabacco (Nicotiana glauca) and Eucalyptus on the east side of Deck C



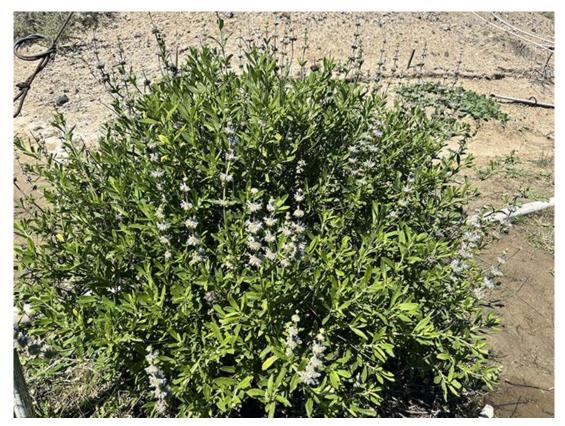
Golden-crowned Sparrow (Zonotrichia atricapilla) in the VCSS thicket on Deck C



Overall view of Deck C looking west



Overall view of Deck C looking east



Flowering established native Black Sage (Salvia mellifera) on Deck C

- Quadrats were marked and staked with taller stakes to help locate the twelve (12) random locations previously noted as part of the biologist's quarterly reports. Each quadrat is marked with the corresponding letter and flagged on the southwest corner stake.
- Venturan Coastal Sage Scrub species are beginning to bloom on all the deck areas. Notable species include, Coast Bush Sunflower (Encelia californica), Brittlebush (Encelia farinosa), Black Sage (Salvia mellifera), Purple Sage (Salvia leucophylla), Saltbush (Atriplex sp.), Mexican Elderberry (Sambucus Mexicana), and Deerweed (Acmispon glaber).

Signed: Gregg Denson		Date: 4/25/25		
	DISTRIBUT	<u>ION</u>		
Republic Services		Contractor	✓	
Project Manager (Gregg Denson)		Other		



Photo Station #1 - April 2024 (East)



Photo Station #1 - April 2025 (East)



Photo Station #1 - April 2024 (North)



Photo Station #1 - April 2025 (North)



Photo Station #1 - April 2024 (West)



Photo Station #1 - April 2025 (West)



Photo Station #2 - April 2024 (East)



Photo Station #2 - April 2025 (East)



Photo Station #2 - April 2024 (North)



Photo Station #2 - April 2025 (North)



Photo Station #2 - April 2024 (South)



Photo Station #2 - April 2025 (South)



Photo Station #3 - April 2024 (East)



Photo Station #3 - April 2025 (East)



Photo Station #3 - April 2024 (North)



Photo Station #3 - April 2025 (North)



Photo Station #3 - April 2024 (West)



Photo Station #3 - April 2025 (West)



Photo Station #5 - April 2024 (East)



Photo Station #5 - April 2025 (East)



Photo Station #5 - April 2024 (North)



Photo Station #5 - April 2025 (North)



Photo Station #5 - April 2024 (West)



Photo Station #5 - April 2025 (West)



Photo Station #6 - April 2024 (East)



Photo Station #6 - April 2025 (East)



Photo Station #6 - April 2024 (North)



Photo Station #6 - April 2025 (North)



Photo Station #6 - April 2024 (West)



Photo Station #6 - April 2025 (West)



Photo Station #7 - April 2024 (East)



Photo Station #7 - April 2025 (East)



Photo Station #7 - April 2024 (West)



Photo Station #7 - April 2025 (West)



Photo Station #7 - April 2024 (North)



Photo Station #7 - April 2025 (North)



Photo Station #8 - April 2024 (East)



Photo Station #8 - April 2025 (East)



Photo Station #8 - April 2024 (North)



Photo Station #8 - April 2025 (North)



Photo Station #8 - April 2024 (West)



Photo Station #8 - April 2025 (West)



Photo Station #9 - April 2024 (East)



Photo Station #9 - April 2025 (East)



Photo Station #9 - April 2024 (North)



Photo Station #9 - April 2025 (North)



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Photo Station #9 - April 2025 (West)



Photo Station #1 - April 2024 (North)



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Photo Station #1 - April 2024 (West)



Photo Station #1 - April 2025 (West)



Photo Station #2 - April 2024 (North)



Photo Station #2 - April 2024 (North)



Photo Station #2 - April 2024 (South)



Photo Station #2 - April 2024 (South)



Photo Station #2 - April 2024 (West)



Photo Station #2 - April 2024 (West)



Photo Station #3 - April 2024 (North)



Photo Station #3 - April 2025 (North)



Photo Station #3 - April 2024 (East)



Photo Station #3 - April 2025 (East)



Photo Station #3 - April 2024 (West)



Photo Station #3 - April 2025 (West)



Photo Station #4 - April 2024 (North)



Photo Station #4 - April 2025 (North)



Photo Station #4 - April 2024 (East)



Photo Station #4 - April 2025 (East)



Photo Station #4 - April 2024 (West)



Photo Station #4 - April 2025 (West)



Photo Station #5 - April 2024 (North)



Photo Station #5 - April 2025 (North)



Photo Station #5 - April 2024 (East)



Photo Station #5 - April 2025 (East)



Photo Station #5 - April 2024 (West)



Photo Station #5 - April 2025 (West)



Photo Station #6 - April 2024 (North)



Photo Station #6 - April 2025 (North)



Photo Station #6 - April 2024 (East)



Photo Station #6 - April 2025 (East)



Photo Station #6 - April 2024 (West)



Photo Station #6 - April 2025 (West)



Photo Station #7 - April 2024 (North)



Photo Station #7 - April 2025 (North)



Photo Station #7 - April 2024 (East)



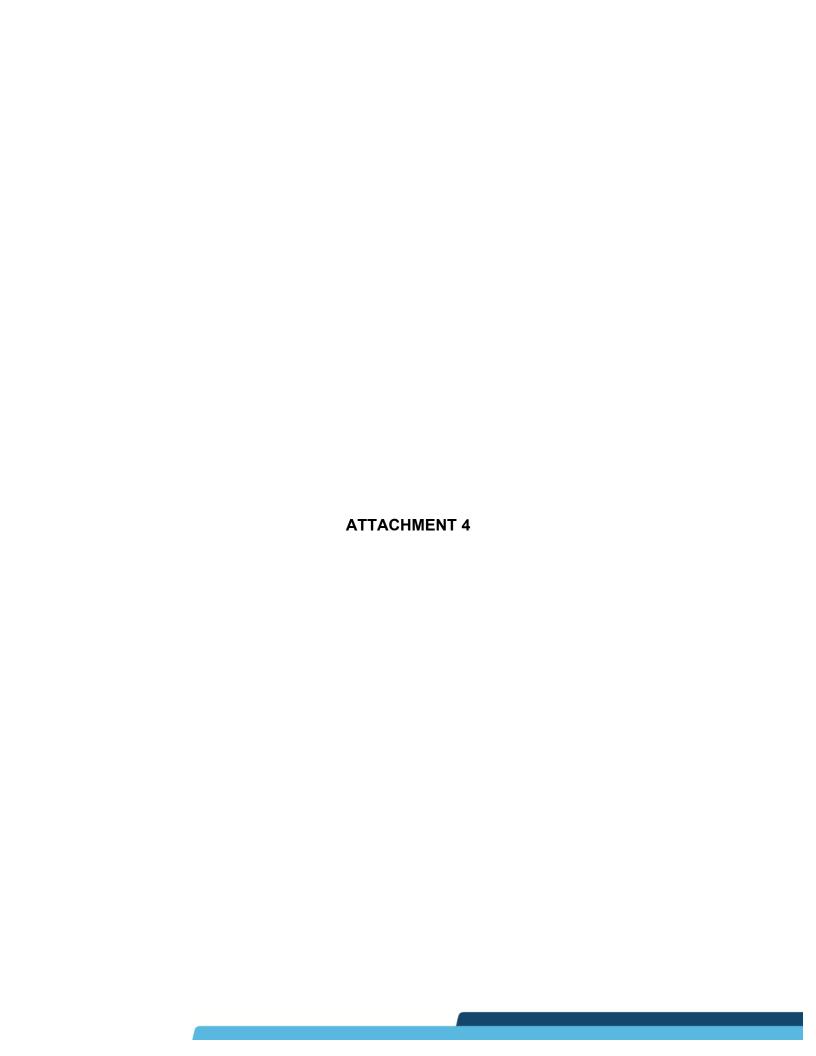
Photo Station #7 - April 2025 (East)



Photo Station #7 - April 2024 (East)



Photo Station #7 - April 2025 (West)





April 22, 2025

Project No: 21-11086

Andrew Asaro Environmental Specialist Republic Services 14747 San Fernando Road Sylmar, California 91342

Via email: AAsaro@republicservices.com

Canyon Landfill

Dear Mr. Asaro,

Subject:

This monitoring report has been prepared by Rincon Consultants, Inc. (Rincon) to inform Republic Services on the status of coastal sage scrub restoration at the Sunshine Canyon Landfill located at 14747 San Fernando Road, Sylmar, California 91342. Specifically, this report serves to document the abundance of vegetation at the Coastal Sage Scrub City South C Trial Plot in the first quarter of 2025.

Coastal Sage Scrub City South C Trial Plot 1st Quarter 2025 Monitoring Report, Sunshine

Methods

On April 1, 2025, Rincon Consultants monitored the Coastal Sage Scrub City South C Trial Plot (trial plot) at the Sunshine Canyon Landfill, which constitutes the first quarter of monitoring for 2025. The sample methodology generally followed the *Methodology for Monitoring Percent Cover and Species Richness within Each Seeded Application Method on the Coastal Sage Scrub Pilot Project at the Sunshine Canyon Landfill* (JMA, April 23, 2014). Quadrat sampling of the Coastal Sage Scrub City South C Trial Plot consists of four 50-meter² quadrats that are randomly sampled within each of the following three seeded areas: hydroseed, imprint, and hand broadcast. The twelve quadrats sampled were randomly selected prior to the first initial monitoring event from a grid that was placed over the entire trial plot, and each quadrat was given a letter (A-L) and delineated in the field with wooden stakes (Attachment A).

As shown in Attachment A, three different seeding methods were used as follows:

- Hydroseed (Quadrats A, B, C, and D)
- Imprint (Quadrats E, F, G, and H)
- Hand broadcast (Quadrats I, J, K, and L)

Absolute Cover

The following qualitative data was collected in each quadrat to determine the absolute cover of native and non-native herbaceous and woody species:

Percent basal cover (shrubs). Visual estimate of the amount of basal cover within each quadrat for all shrub species.

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info@rinconconsultants.com www.rinconconsultants.com Coastal Sage Scrub City South C Trial Plot, Sunshine Canyon Landfill
Monitoring Report 1st Quarter, 2025

- Percent basal cover (herbs). Visual estimate of the amount of basal cover within each quadrat for all herb species.
- Percent bare ground. Visual estimate of the amount of available bare ground with no vegetation, but suitable for plant growth.
- **Percent rock or other.** Visual estimate of the amount of unavailable ground for supporting plant growth. Inhibitors generally included rocks and boulders, irrigation lines and valve boxes, and mulch.
- Percent canopy. Visual estimate of the percent canopy of each shrub and herbaceous species.
- Photographs. A photograph was taken from the southwest corner (facing northeast) of each quadrat.

Percent Cover

The following quantitative data was collected in each quadrat to determine the percent cover of native and non-native species.

■ **Point intercept method.** Sampling began at the southwest corner of each quadrat and continued around the quadrat in a clockwise direction. The species located precisely at every meter point was tallied, including areas of bare ground, rock and other.

Field Results

Below are the average data collected for each planting method.

Absolute Cover (Qualitative)

Hydroseed – Quadrats A, B, C, and D (average)

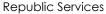
- Percent basal cover (shrubs) 15%
- Percent basal cover (herbs) 16%
- Percent bare ground 31%
- Percent rock or other 1%
- Percent canopy (shrubs) 58%
- Percent canopy (herbs) 13%

Imprint – Quadrats E, F, G, and H (average)

- Percent basal cover (shrubs) 26%
- Percent basal cover (herbs) 5%
- Percent bare ground 24%
- Percent rock or other 0%
- Percent canopy (shrubs) 74%
- Percent canopy (herbs) 4%

Hand broadcast – Quadrats I, J, K, and L (average)

■ Percent basal cover (shrubs) – 7%





Coastal Sage Scrub City South C Trial Plot, Sunshine Canyon Landfill Monitoring Report 1st Quarter, 2025

- Percent basal cover (herbs) 12%
- Percent bare ground 30%
- Percent rock or other 0%
- Percent canopy (shrubs) 48%
- Percent canopy (herbs) 26%

Percent Cover (Quantitative)

The representation of each species within a quadrat was estimated by broad cover classes (<1%, 1-5%, 5-25%, 25-50%, 50-75%, and >75%). The percent cover of each species based upon the point intercept method is presented in Table 1 through Table 3 below.



Table 1 Hydroseed – Quadrats A, B, C, and D (Average)

	Plo	ot A	Plo	ot B	Plot C		Plot D	
Species	Number of Hits	Percent Cover						
Native Shrubs								
Acmispon glaber								
Artemisia californica								
Atriplex canescens			9	18%	4	8%		
Atriplex lentiformis	10	20%	7	14%	9	18%	13	26%
Atriplex polycarpa					2	4%		
Atriplex spinosa								
Diplacus aurantiacus								
Encelia californica	21	42%	13	26%	21	42%	24	48%
Salvia apiana								
Salvia mellifera			1	2%				
Native Herbs								
Achillea millefolium								
Cryptantha intermedia								
Helianthus annuus							3	6%
Elymus triticoides								
Pseudognaphalium californicum								
Non-Native Herbs								
Bromus diandrus			10	20%				
Carduus pycnocephalus								
Centaurea melitensis					7	14%		
Dittrichia graveolens								
Erodium cicutarium								
Hirschfeldia incana	6	12%	8	16%	3	6%	3	6%
Pseudognaphalium luteoalbum								
Sonchus oleraceus								
Salsola tragus								
Bare ground	13	26%	2	4%	4	8%	7	14%
		Plot A	PI	ot B	Plot C	Plot	D Pe	A,B,C,D ercent Cover
Percent Cover Native Sh	rub	62%		60%	72%	749		67%
Percent Cover Native He	rb	0%		0%	0%	69	6	2%
Percent Cover Non-Nativ	ve Shrub	0%		0%	0%	09	6	0%
Percent Cover Non-Nativ	ve Herb	12%	3	66%	20%	69	6	19%
Percent Bare Ground		26%		4%	8%	149	6	13%



Coastal Sage Scrub City South C Trial Plot, Sunshine Canyon Landfill
Monitoring Report 1st Quarter, 2025

Table 2 Imprint – Quadrats E, F, G, and H (Average)

	Plo	ot E	Plo	t F	Plot G		Plo	Plot H	
	Number of Hits	Percent Cover							
Native Shrubs									
Acmispon glaber									
Artemisia californica							1	2%	
Atriplex canescens	2	4%	5	10%	4	8%	4	8%	
Atriplex lentiformis			8	16%	5	10%			
Atriplex polycarpa			1	2%	2	4%	4	8%	
Atriplex spinosa									
Baccharis pilularis									
Diplacus aurantiacus									
Encelia californica	38	76%	16	32%	34	68%	31	62%	
Salvia leucophylla									
Salvia mellifera									
Native Herbs									
Achillea millefolium									
Cryptantha intermedia									
Helianthus annuus									
Elymus triticoides									
Nasella pulchra									
Sisyrinchium bellum									
Vulpia microstachys									
Non-Native Herbs									
Bromus rubens									
Centaurea melitensis									
Echinochloa crus-galli									
Erigeron canadensis									
Erodium cicutarium									
Hirschfeldia incana	6	12%	8	16%	1	2%	6	12%	
Hordeum murinum									
Salsola tragus									
Bare ground	4	8%	12	24%	4	8%	4	8%	
		Plot E	Plot F		Plot G	Plot H		E,F,G,H cent Cove	
Percent Cover Native Shrub		80%	60%		90%	80%		78%	
Percent Cover Native Herb		0%	0%		0%	0%		0%	
Percent Cover Non-Native Shr	ub	0%	0%		0%	0%		0%	
Percent Cover Non-Native Her	rb	12%	16%		2%	12%		11%	
Percent Bare Ground		8%	24%		8%	8%		12%	



Republic Services
Coastal Sage Scrub City South C Trial Plot, Sunshine Canyon Landfill
Monitoring Report 1st Quarter, 2025

Table 3 Hand Broadcast – Quadrats I, J, K, and L (Average)

	Plo	ot I	Plo	Plot J		Plot K		Plot L	
Species	Number of Hits	Percent Cover	Number of Hits	Percent Cover	Number of Hits	Percent Cover	Number of Hits	Percent Cover	
Native Shrubs									
Acmispon glaber									
Artemisia californica			4	8%					
Atriplex canescens							9	18%	
Atriplex lentiformis	2	4%	8	16%					
Atriplex polycarpa									
Atriplex spinosa									
Baccharis pilularis							3	6%	
Diplacus aurantiacus									
Encelia californica	39	78%	17	34%	1	2%	25	50%	
Non-Native Shrubs									
Atriplex semibaccata									
Native Herbs									
Achillia millefoluim									
Cryptantha intermedia									
Helianthus annuus			4	8%			1	2%	
Elymus triticoides					14	28%			
Nasella pulchra									
Sisyrinchium bellum									
Vulpia microstachys									
Non-Native Herbs									
Avena barbata									
Carduus pycnocephalus									
Centaurea melitensis									
Dittrichia graveolens									
Erodium cicutarium									
Hirschfeldia incana	3	6%	14	28%	24	48%	8	16%	
Hordeum murinum							1	2%	
Sonchus oleraceus									
Bare ground	6	12%	3	6%	11	22%	3	6%	
		Plot I	Plot J		Plot K	Plot L		,L Percent Cover	
Percent Cover Native Shrub		82%	58%		2%	74%		54%	
Percent Cover Native Herb		0%	8%		28%	2%		10%	
Percent Cover Non-Native S	hrub	0%	0%		0%	0%		0%	
Percent Cover Non-Native H		6%	28%		48%	18%		25%	
Percent Bare Ground	-	12%	6%		22%	6%		12%	



Table 4 below provides a summary of the vegetation cover of shrubs and herbs, including areas of bare ground. The percent cover of native and non-native species is summarized above in Tables 1-3.

Table 4 Summary of Vegetation Cover for Each Planting Method at the Coastal Sage Scrub City South C Trial Plot

	Hydroseed (Quadrats A, B, C, and D)		Imprint (Quadrats E, F, G, and H)		Hand Broadcast (Quadrats I, J, K, and L)	
	Qualitative	Quantitative	Qualitative	Quantitative	Qualitative	Quantitative
Percent Cover Shrub	58%	67%	74%	78%	48%	54%
Percent Cover Herb	13%	21%	4%	11%	26%	35%
Percent Bare Ground	31%	13%	24%	12%	30%	12%

Native shrub species account for a majority of the vegetative cover in Trial Plot C. Shrub species observed in Trial Plot C include fourwing saltbush (Atriplex canescens), allscale saltbush (Atriplex polycarpa), big saltbush (Atriplex lentiformis), coyote brush (Baccharis pilularis), California sunflower (Encelia californica), California sagebrush (Artemisia californica), and black sage (Salvia mellifera). California sunflower was the most dominant shrub species across all treatment areas.

The quantitative percent cover of native shrub species currently has an average of 67 percent within the hydroseed quadrats, 78 percent within the imprint quadrats, and 54 percent within the hand broadcast quadrats (Tables 1-3). Native shrub quantitative percent cover has not substantially changed across all treatment types between the fourth quarter of 2024 and the first quarter of 2025. Most shrub species within the trial plot were budding or were dormant during the first quarter of 2025. Beardless wild rye (Elymus triticoides), a native grass species that was trimmed during weed management efforts in 2024, appears to be re-growing. Overall, quantitative percent cover of this species has remained stable since the second quarter of 2024.

Non-native plant cover has increased within the trial plot between the fourth quarter of 2024 and the first quarter of 2025. The most prominent non-native plant species observed in the first quarter of 2025 was short podded mustard (Hirschfeldia incana). The majority of the mid- to late- season non-native plant species have not yet germinated. Non-native plant species cover is expected to continue to increase throughout the spring of 2025 as a result of increased water availability brought on by seasonal rainfall events. Total non-native herbaceous cover currently has an average of 19 percent within the hydroseed quadrats (up from 5 percent in the fourth quarter of 2024), 11 percent within the imprint quadrats (up from 3 percent in the fourth quarter of 2024), and 25 percent (up from 7 percent in the fourth quarter of 2024) within the hand broadcast quadrats (Tables 1-3).

Recommendations

Successional Growth and Weed Control

Wildfires in Southern California have become more common in recent years and have impacted the native landscape, including established restoration sites. Non-native weed control is essential in establishing post-fire restoration sites and is recommended by such organizations as the California Department of Fish and Wildlife Service and the California Society of Ecological Restoration.





Coastal Sage Scrub City South C Trial Plot, Sunshine Canyon Landfill Monitoring Report 1st Quarter, 2025

Successional regrowth of herbaceous non-native species is to be expected within the first two to three years following a wildfire, which is currently being observed at the trial plot. Native shrubs are expected to recover over a longer period through germination of existing seed within the topsoil and basal growth from charred plants. Native shrubs have shown notable growth following the fire and appear to be well established in the trial plot.

Successional growth of herbaceous species is also important, as native herbaceous species provide natural erosion of topsoil. To control the spread non-native herbaceous species such as tocalote, red brome, and short podded mustard, and minimize competition with native herbaceous and woody species for water, nutrients, and sunlight, weed maintenance should occur no less than every four months, and special attention should be afforded to minimizing impacts to native grasses that may appear to be non-native (i.e., beardless wild rye), native seedlings, and native shrub resprouts. Weed maintenance should be scheduled to maximize removal of non-native species prior to seed set, which typically occurs in spring between the months of February and April, but may also occur throughout the growing season based upon precipitation events.

Supplemental Irrigation

While southern California received above-average rainfall in the winter of 2023 and spring of 2024, it received below average rainfall in the winter of 2024 and spring of 2025. Supplemental irrigation is a valuable restoration technique to promote re-establishment of native vegetation, particularly during the dry months of the year (i.e., summer and fall). If native herbaceous vegetation continues to be sparse throughout the trial plot, and/or if native shrubs senesce or show indicators of drought stress, the irrigation system within the trial plot should be re-installed to increase water availability and promote seed germination and re-establishment of native vegetation.



References

John Minch and Associates, Inc. (JMA). 2014. Methodology for Monitoring Percent Cover and Species Richness within Each Seeded Application Method on the Coastal Sage Scrub Pilot Project at the Sunshine Canyon Landfill.

Thank you for the opportunity to work with you on this important project. Please contact Greg Ainsworth if you have questions concerning the contents of this report. He may be reached by telephone at (818) 564-5544, or by email at gainsworth@rinconconsultants.com.

Sincerely,

Rincon Consultants, Inc.

Greg Ainsworth

Natural Resources Director

Attachments

Attachment A Deck C Revegetation Area Quadrat Layout and Planting Plan

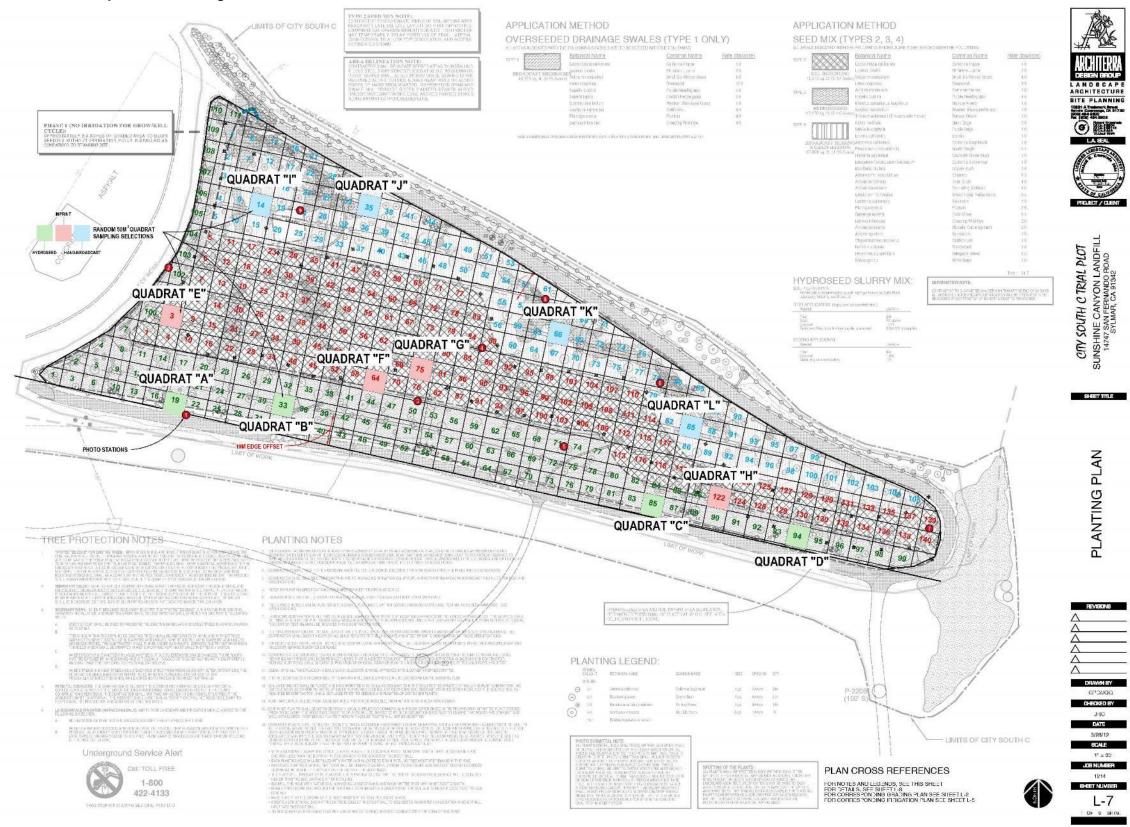
Representative Site Photographs Attachment B



Deck C Revegetation Area Quadrat Layout and Planting Plan



Deck C Revegetation Area Quadrat Layout and Planting Plan





Photographs of Sample Plots



Photograph 1. Quadrat A facing northeast from southwest corner (April 1, 2025).



Photograph 2. Quadrat B facing northeast from southwest corner (April 1, 2025).





Photograph 3. Quadrat C facing northeast from southwest corner (April 1, 2025).



Photograph 4. Quadrat D facing northeast from southwest corner (April 1, 2025).



Photograph 5. Quadrat E facing northeast from southwest corner (April 1, 2025).



Photograph 6. Quadrat F facing northeast from southwest corner (April 1, 2025).

Republic Services
Coastal Sage Scrub City South C Trial Plot, Sunshine Canyon Landfill
Monitoring Report 1st Quarter, 2025



Photograph 7. Quadrat G facing northeast from southwest corner (April 1, 2025).



Photograph 8. Quadrat H facing northeast from southwest corner (April 1, 2025).



Photograph 9. Quadrat I facing northeast from southwest corner (April 1, 2025).



Photograph 10. Quadrat J facing northeast from southwest corner (April 1, 2025).

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Photograph 11. Quadrat K facing northeast from southwest corner (April 1, 2025).



Photograph 12. Quadrat L facing northeast from southwest corner (April 1, 2025).





April 21 2025

Project No: 21-11086

Andew Asaro Environmental Specialist Republic Services 14747 San Fernando Road Sylmar, California 91342

Via email: AAsaro@republicservices.com

Coastal Sage Scrub City South B Trial Plot 1st Quarter 2025 Monitoring Report, Sunshine Subject: **Canyon Landfill**

Dear Mr. Asaro,

This monitoring report has been prepared by Rincon Consultants, Inc. (Rincon) to inform Republic Services on the status of coastal sage scrub restoration at the Sunshine Canyon Landfill located at 14747 San Fernando Road, Sylmar, California 91342. Specifically, this letter report serves to document the abundance of vegetation at the Coastal Sage Scrub City South B Trial Plot in the first quarter of 2025.

Methods

On April 1, 2025, Rincon Consultants monitored the Coastal Sage Scrub City South B Trial Plot (trial plot) at the Sunshine Canyon Landfill, which constitutes the first quarter of monitoring for 2025. The sample methodology generally followed the Methodology for Monitoring Percent Cover and Species Richness within Each Seeded Application Method on the Coastal Sage Scrub Pilot Project at the Sunshine Canyon Landfill (JMA, April 23, 2014). Quadrat sampling of the revegetation area consists of nine 50-meter² quadrats that are randomly located throughout the revegetation area. The quadrats were randomly selected prior to the first initial monitoring event from a grid that was placed over the entire trial plot, and each quadrat was given a letter (A-I) and delineated in the field with wooden stakes. As shown in Attachment A, five different planting methods were used as follows:

- Soil imprinting with hand broadcast overseeded drainage swales (Quadrats A and G)
- Soil imprinting (Quadrats B, F and H)
- Broadcast seeding (Quadrat C)
- Broadcast seeding with soil imprinting (Quadrat D and I)
- Soil imprinting and hand broadcast (Quadrat E)

Absolute Cover

The following qualitative data was collected in each quadrat to determine the absolute cover of native and non-native herbaceous and woody species:

Percent basal cover (shrubs). Visual estimate of the amount of basal cover within each quadrat for all shrub species.

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Coastal Sage Scrub City South B Trial Plot, Sunshine Canyon Landfill Monitoring Report 1st Quarter, 2025

- Percent basal cover (herbs). Visual estimate of the amount of basal cover within each quadrat for all herbaceous species.
- Percent bare ground. Visual estimate of the amount of available bare ground with no vegetation.
- Percent rock or other. Visual estimate of the amount of unavailable ground for supporting plant growth. Inhibitors generally included rocks and boulders, irrigation lines and valve boxes, and mulch.
- Percent canopy. Visual estimate of the percent canopy of each shrub and herbaceous species.
- Photographs. A photograph was taken from the southwest corner (facing northeast) of each quadrat.

Percent Cover

The following quantitative data was collected in each quadrat to determine the percent cover of native and non-native species.

■ **Point intercept method.** Sampling began at the southwest corner of each quadrat and continued around the quadrat in a clockwise direction. The species located precisely at every meter point was tallied, including areas of bare ground, rock and other.

Field Results

Below are the average data collected for each planting method.

Absolute Cover (Qualitative)

Soil imprinting with hand broadcast overseeded drainage swales – Quadrats A and G (average)

- Percent basal cover (shrubs) 6%
- Percent basal cover (herbs) 10%
- Percent bare ground 56%
- Percent rock or other 0%
- Percent canopy (shrubs) 19%
- Percent canopy (herbs) 26%

Soil imprinting – Quadrats B, F, and H (average)

- Percent basal cover (shrubs) 9%
- Percent basal cover (herbs) 5%
- Percent bare ground 36%
- Percent rock or other 0%
- Percent canopy (shrubs) 48%
- Percent canopy (herbs) 16%

Broadcast seeding – Quadrat C

■ Percent basal cover (shrubs) – 2%



Coastal Sage Scrub City South B Trial Plot, Sunshine Canyon Landfill Monitoring Report 1st Quarter, 2025

- Percent basal cover (herbs) 10%
- Percent bare ground 81%
- Percent rock or other 0%
- Percent canopy (shrubs) 10%
- Percent canopy (herbs) 9%

Broadcast seeding with soil imprinting – Quadrats D and I (average)

- Percent basal cover (shrubs) 5%
- Percent basal cover (herbs) 6%
- Percent bare ground 59%
- Percent rock or other 0%
- Percent canopy (shrubs) 26%
- Percent canopy (herbs) 16%

Soil Imprinting and hand broadcast – Quadrat E

- Percent basal cover (shrubs) 7%
- Percent basal cover (herbs) 2%
- Percent bare ground 49%
- Percent rock or other 0%
- Percent canopy (shrubs) 43%
- Percent canopy (herbs) 8%

Percent Cover (Quantitative)

The representation of each species within each quadrat was estimated by broad cover classes (<1%, 1-5%, 5-25%, 25-50%, 50-75%, and >75%). The percent cover of each species based upon the point intercept method is presented in Table 1 through Table 5 below.



Coastal Sage Scrub City South B Trial Plot, Sunshine Canyon Landfill Monitoring Report 1st Quarter, 2025

Table 1 Soil Imprinting with Hand Broadcast Overseeded Drainage Swales – Quadrats A and G (Average)

	Quad	rat A	Quadrat G		
Species	Number of Hits	Percent Cover	Number of Hits	Percent Cover	
Native Shrubs					
Acmispon glaber					
Artemisia californica	1	2%			
Atriplex canescens			11	22%	
Atriplex lentiformis			10	20%	
Atriplex polycarpa			1	2%	
Atriplex spinosa					
Baccharis pilularis					
Baccharis salicifolia					
Eriodictyon trichocalyx					
Salvia apiana					
Salvia mellifera					
Non-Native Shrubs					
Atriplex semibaccata					
Native Herbs					
Achillea millefolium					
Eschscholzia californica					
Elymus triticoides					
Nasella pulchra					
Sisyrinchium bellum					
Non-Native Herbs					
Centaurea melitensis					
Erodium cicutarium					
Hirschfeldia incana	10	20%	9	18%	
Hordeum murinum			1	2%	
Salsola tragus					
Bare ground	39	78%	18	36%	
	Quadrat A	Quadrat G	A and G (% Cover)	
Percent Cover Native Shrub	2%	44%	23%	%	
Percent Cover Native Herb	0%	0%	09	%	
Percent Cover Non-Native Shrub	0%	0%	09	%	
Percent Cover Non-Native Herb	20%	20%	20%	%	
Percent Bare Ground	78%	36%	57%	%	



Table 2 Soil Imprinting – Quadrats B, F, and H (Average)

	Quadrat B		Quad	lrat F	Quadrat H	
Species	Number of Hits	Percent Cover	Number of Hits	Percent Cover	Number of Hits	Percent Cover
Native Shrubs						
Acmispon glaber						
Artemisia californica	3	6%	3	6%		
Atriplex canescens					1	2%
Atriplex lentiformis			5	10%	3	6%
Atriplex polycarpa						
Baccharis salicifolia						
Baccharis sarothroides	4	8%				
Baccharis pularis	6	12%				
Encelia californica	2	4%				
Encelia farinosa	2	4%				
Eriogonum fasciculatum	1	2%	7	14%	6	12%
Hesperoyucca whipplei						
Isocoma menziesii	6	12%			1	2%
Opuntia littoralis						
Salvia leucophylla	2	4%				
Salvia mellifera	3	6%				
Sambucus mexicana						
Non-Native Shrubs						
Atriplex semibaccata						
Native Herbs						
Elymus triticoides						
Non-Native Herbs						
Bromus diandrus						
Bromus rubens			12	24%	4	8%
Centaurea melitensis						
Festuca myuros						
Hirschfeldia incana	8	16%	1	2%	4	8%
Mesembryanthemum nodiflorum			7	14%		
Bare ground	13	26%	15	30%	31	62%
	Qua	adrat B	Quadrat F	Quadra	at H B, I	F, H (% cover)
Percent Cover Native Shrub		58%	30%	229	%	37%
Percent Cover Native Herb		0%	0%	09	%	0%
Percent Cover Non-Native Shrul)	0%	0%	09	%	0%
Percent Cover Non-Native Herb		16%	40%	169		24%
Percent Bare Ground		26%	30%	629	%	39%



Table 3 Broadcast Seeding – Quadrat C

	Quadrat C					
Species	Number of Hits	Percent Cover				
Native Shrubs						
Acmispon glaber						
Artemisia californica						
Atriplex lentiformis	5	10%				
Atriplex polycarpa						
Atriplex spinosa						
Baccharis pilularis						
Encelia californica						
Encelia farinosa	1	2%				
Eriogonum fasciculatum						
Lepidospartum squamatum						
Salvia apiana						
Native Herbs						
Achillea millefolium						
Eschscholzia californica						
Elymus triticoides						
Nasella pulchra						
Sisyrinchium bellum						
Vulpia microstachys						
Non-Native Herbs						
Bromus rubens	1	2%				
Centaurea melitensis						
Centaurea solstitialis	5	10%				
Festuca myuros						
Hirschfeldia incana						
Hordeum vulgare						
Mesembryanthemum nodiflorum	4	8%				
Bare ground	34	68%				
	Quadrat	C (% cover)				
Percent Cover Native Shrub		12%				
Percent Cover Native Herb		0%				
Percent Cover Non-Native Shrub		0%				
Percent Cover Non-Native Herb		20%				
Percent Bare Ground		68%				



Table 4 Broadcast Seeding with Soil Imprinting – Quadrats D and I (Average)

	Quadrat D		· ·	Quadrat I
Species	Number of Hits	Percent Cover	Number of Hits	Percent Cover
Native Shrubs				
Acmispon glaber				
Artemisia californica	1	2%		
Atriplex canescens			3	6%
Atriplex lentiformis	1	2%	1	2%
Atriplex polycarpa				
Encelia farinosa	2	4%		
Eriogonum fasciculatum	8	16%	3	6%
Isocoma menziesii			2	4%
Non-Native Shrubs				
Atriplex semibaccata				
Native Herbs				
Achillea millefolium				
Descurainia pinnata				
Nasella pulchra				
Sisyrinchium bellum				
Vulpia microstachys				
Non-Native Herbs				
Avena barbata				
Bromus diandrus				
Bromus rubens	1	2%	13	26%
Centaurea melitensis				
Centaurea solstitialis				
Festuca myuros				
Hirschfeldia incana	4	8%	8	16%
Hordeum murinum				
Mesembryanthemum nodiflorum				
Polygonum aviculare				
Salsola tragus				
Bare ground	33	66%	20	40%
	Quad	rat D	Quadrat I	D and I (% cover)
Percent Cover Native Shrub	2	4%	12%	18%
Percent Cover Native Herb		0%	0%	0%
Percent Cover Non-Native Shru	b	0%	6%	3%
Percent Cover Non-Native Herb	1	0%	42%	26%
Percent Bare Ground	6	6%	40%	53%



Table 5 Soil Imprinting and Hand Broadcast – Quadrat E

	Quadrat E					
Species	Number of Hits	Percent Cover				
Native Shrubs						
Acmispon glaber						
Artemisia californica	2	4%				
Atriplex canescens	6	12%				
Atriplex lentiformis	4	8%				
Atriplex polycarpa						
Atriplex spinosa						
Encelia californica						
Encelia farinosa						
Eriodictyon trichocalyx	9	18%				
Eriogonum fasciculatum	4	8%				
Isocoma menziesii	4	8%				
Opuntia littoralis						
Salvia apiana						
Salvia mellifera						
Native Herbs						
Achillia mellifoluim						
Eschscholzia californica						
Elymus triticoides						
Nasella pulchra						
Sisyrinchium bellum						
Vulpia microstachys						
Non-Native Herbs						
Centaurea melitensis						
Centaurea solstitialis						
Hirschfeldia incana	3	6%				
Hordeum vulgare						
Mesembryanthemum						
nodiflorum	2	4%				
Schismus arabicus	1	2%				
Bare ground	15	30%				
	C	luadrat E (% cover)				
Percent Cover Native Shrub		58%				
Percent Cover Native Herb		0%				
Percent Cover Non-Native Shrub		0%				
Percent Cover Non-Native Herb		12%				
Percent Bare Ground		30%				



Table 6 below provides a summary of the percent cover of native and non-native shrubs and herbs, including areas of bare ground within the Coastal Sage Scrub City South B Trial Plot.

Table 6 Summary of Percent Cover for Each Planting Method Using the Point Intercept Method

	Soil Imprinting with Hand Broadcast Overseeded Drainage Swales (Quadrats A and G)	Soil Imprinting (Quadrats B, F, and H)	Broadcast Seeding (Quadrat C)	Broadcast Seeding with Soil Imprinting (Quadrats D and I)	Soil Imprinting and Hand Broadcast (Quadrat E)
Percent Cover Native Shrub	23%	37%	12%	18%	58%
Percent Cover Native Herb	0%	0%	0%	0%	0%
Percent Cover Non-Native Shrub	0%	0%	0%	6%	0%
Percent Cover Non-Native Herb	20%	24%	20%	26%	12%
Percent Bare Ground	57%	39%	68%	53%	30%

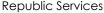
Dominant native shrub species include fourwing saltbush (*Atriplex canescens*), brittlebush (*Encelia farinosa*), big saltbush (*Atriplex lentiformis*), broom baccharis (*Baccharis sarothroides*), California buckwheat (*Eriogonum fasciculatum*), California sagebrush (*Artemisia californica*), coastal goldenbush (*Isocoma menziesii*), and hairy yerba santa (*Eriodictyon trichocalyx*). Dominant herbaceous species include non-native red brome (*Bromus rubens*), tocalote (*Centaurea melitensis*), and short podded mustard (*Hirschfeldia incana*).

Non-native plant cover increased in all treatment types between the fourth quarter of 2024 and the first quarter of 2025. The increase in non-native plant cover likely occurred as a result of plant germination during the late winter and early spring months. Non-native plant species cover is expected to increase in the spring and into summer of 2025 as a result of winter rainfall events. Native shrub quantitative percent cover has not substantially changed across all treatment types between the fourth quarter of 2024 and first quarter of 2025. Soil imprinting and hand broadcast (Quadrat E; 58 percent) and soil imprinting quadrats (Quadrats B, F, and H; 37 percent) had the highest percent cover of native shrubs using the point intercept method, followed by the broadcast seeding with soil imprinting (Quadrats D and I; 18 percent). The quantitative percent cover of native herbaceous plant species was zero in all planting methods in the first quarter of 2025.

Recommendations

Successional Growth and Weed Control

Wildfires in Southern California have become more common in recent years and have impacted the native landscape. Non-native weed control is essential in establishing post-fire restoration sites and is recommended by organizations such as the California Department of Fish and Wildlife Service and the California Society of Ecological Restoration. Successional regrowth of herbaceous non-native species is to be expected within the first two to three years following a wildfire, which is currently occurring at the trial plot. Native shrubs are expected to recover over a longer period through germination of existing





Coastal Sage Scrub City South B Trial Plot, Sunshine Canyon Landfill Monitoring Report 1st Quarter, 2025

seed within the topsoil and basal growth from charred plants. Native shrubs have shown notable growth in the past three years, and now appear to be well established in the trial plot.

Successional growth of herbaceous species is also important, as native herbaceous species provide natural erosion of topsoil. To promote establishment and growth of native herbaceous species, controlling the spread of non-native herbaceous species such as tocalote, red brome, and short podded mustard is essential. Reducing non-native herbaceous species growth minimizes negative competitive effects on native herbaceous and woody species for water, nutrients, and sunlight. Weed maintenance should occur no less than every four months, and special attention should be afforded to minimizing impacts to native grasses that may appear to be non-native (i.e., beardless wild rye), native seedlings, and native shrub resprouts. Weed maintenance should be scheduled to maximize removal of non-native species prior to seed set, which typically occurs in spring between the months of February and April but may also occur throughout the growing season based upon water availability.

Supplemental Irrigation

While southern California received above-average rainfall in the winter of 2023 and spring of 2024, it received below average rainfall in the winter of 2024 and spring of 2025. Supplemental irrigation is a valuable restoration technique to promote re-establishment of native vegetation, particularly during the dry months of the year (i.e., summer and fall). As described above, native herbaceous vegetation has continued to be notably low throughout all planting methods. If native herbaceous vegetation continues to be sparse throughout the trial plot, and/or if native shrubs senesce or show indicators of drought stress, the irrigation system within the trial plot should be re-installed to increase water availability and promote seed germination and re-establishment of native vegetation.





References

John Minch and Associates, Inc. (JMA). 2014. Methodology for Monitoring Percent Cover and Species Richness within Each Seeded Application Method on the Coastal Sage Scrub Pilot Project at the Sunshine Canyon Landfill.

Thank you for the opportunity to work with you on this important Project. Please contact Greg Ainsworth if you have questions concerning the contents of this report. He may be reached by telephone at (818) 564-5544, or by email at gainsworth@rinconconsultants.com.

Sincerely,

Rincon Consultants, Inc.

Greg Ainsworth

Natural Resources Director

Attachments

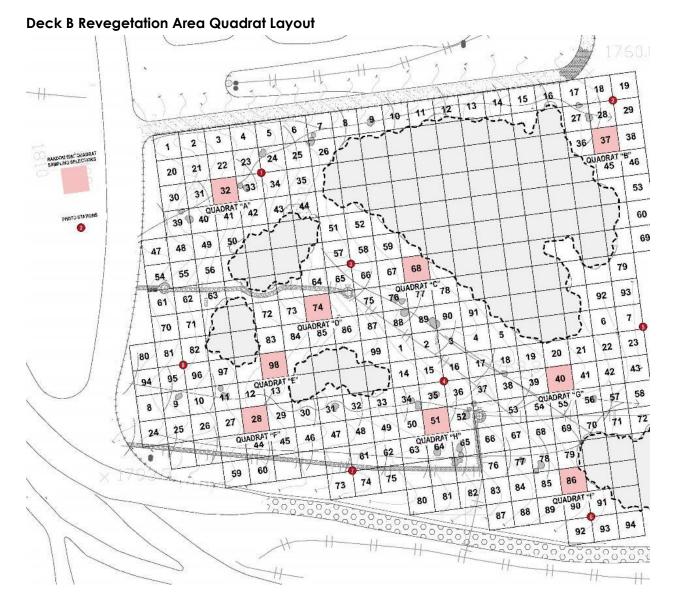
Attachment A Deck B Revegetation Area Quadrat Layout

Attachment B Representative Site Photographs

Attachment A

Deck B Revegetation Area Quadrat Layout







Photographs of Sample Plots



Photograph 1. Quadrat A facing northeast from southwest corner (April 1, 2025).



Photograph 2. Quadrat B facing northeast from southwest corner (April 1, 2025).



Photograph 3. Quadrat C facing northeast from southwest corner (April 1, 2025).



Photograph 4. Quadrat D facing northeast from southwest corner (April 1, 2025).



Photograph 5. Quadrat E facing northeast from southwest corner (April 1, 2025).



Photograph 6. Quadrat F facing northeast from southwest corner (April 1, 2025).



Photograph 7. Quadrat G facing northeast from southwest corner (April 1, 2025).



Photograph 8. Quadrat H facing northeast from southwest corner (April 1, 2025).



Photograph 9. Quadrat I facing northeast from southwest corner (April 1, 2025).





March 22, 2021 Project No: 21-11086

Tuong-phu Ngo Republic Services 14747 San Fernando Road Sylmar, California 91342 Via email: email address

Rincon Consultants, Inc.

180 North Ashwood Avenue Ventura, California 93003

805 644 4455 OFFICE AND FAX

info@rinconconsultants.com www.rinconconsultants.com

Subject: Sunshine Canyon Landfill Ultimate Entry Improvement Project, Oak Tree Survey

14747 San Fernando Road, Sylmar, California, 91342

Dear Mr. Ngo:

Rincon Consultants, Inc. (Rincon) prepared this report for the Ultimate Entry Improvement Project (project) located at the Sunshine Canyon Landfill (landfill) in Sylmar, Los Angeles County, California. This report, prepared by ISA certified arborist Greg Ainsworth, documents the results of an oak tree survey and assessment of impacts to protected oak trees from the project and provides a current tally on the remaining oak trees in the landfills' s oak tree mitigation bank.

Introduction

This oak tree report was prepared to disclose information on native oak (*Quercus sp.*) trees that would be removed by the proposed project.

Pursuant to the Los Angeles County Oak Tree Ordinance, any tree of the oak genus that is 25 inches in circumference (8 inches in diameter) or has a combined trunk circumference of any two trunks of at least 38 inches (12 inches in diameter), as measured 4.5 feet above the mean natural grade (i.e., diameter at breast height [DBH]), is considered a "protected tree" (Ordinance 88-0157 1, 82-0168 2, Section 22.56.2050, 1988). An oak tree that has a trunk DBH equal to or greater than 36 inches is considered a heritage tree, as defined in the Los Angeles County Oak Tree Ordinance. In accordance with the Ordinance, no damage shall occur within the protective zone (the area within the dripline of an oak tree and extending to a point at least 5 feet outside the dripline, or 15 feet from the trunk[s] of the tree, whichever distance is greater) of a protected oak tree. Damage is defined as any act causing or tending to cause injury to the root system or other parts of an oak tree, including, but not limited to, burning, application of toxic substances, operation of equipment or machinery, paving, changing of natural grade, and trenching or excavating.

Sunshine Canyon Landfill Oak Tree Mitigation Bank

In accordance with landfill's Conditional Use Permit (CUP) and Oak Tree Permit (OTP) #86312-(5) (dated February 19, 1991) for the Sunshine Canyon Landfill Extension Project, all native oak trees that will be removed for any project-related impact shall be mitigated at a ratio of 2:1, and heritage-size oak trees (36-inch DBH or greater) shall be mitigated at a ratio of 10:1. All mitigation oaks shall be monitored for 7 years after the tree reaches 0.5 inches in diameter.



A surplus of coast live oak trees was previously planted in the landfill's mitigation areas, which now serves as a mitigation bank for the landfill to draw from for future removals of coast live oak trees. There are currently 48 coast live oaks remaining in the mitigation bank (JMA, Sunshine Canyon Landfill Oak Tree and Bigcone Douglas Fir Monitoring Report No. 28, March 8, 2021).

Project Description

The proposed project involves the development of a landfill termination berm and cut/fill graded entrance roadway that will provide a down-slope buttress and access for a proposed landfill expansion. The nearly 190-foot-high proposed roadway and berm embankment across the mouth of the main canyon of Sunshine Canyon Landfill is designed to buttress the expanded landfill refuse prism that will be situated to the west. This new road embankment includes the associated cut and fill grading, three retaining walls, and a sedimentation basin with stormwater controls.

Methods

All oak trees located within and immediately adjacent to the project footprint that could be impacted by the proposed project were surveyed by certified arborist Greg Ainsworth (I.S.A. Cert# WE-7473A). The tree survey was conducted on March 4, 2021. Using a forester's diameter-equivalent tape, the diameter of all native oak trees having a trunk diameter of 8 inches or greater (or combined trunk diameter of 12 inches or greater) were measured at 4.5 feet above the mean natural grade to obtain the DBH. The location of each tree was recorded from the base of the tree using a Global Positioning System (GPS) with sub-meter accuracy. The following parameters were assessed from the base of each tree (or from the nearest vantage point):

Tree Characteristics

- Trunk diameter (DBH)
- Height
- Crown radius in all directions (north, south, east, and west).
- Balance or symmetry of the tree based on the crown radius measurements and whether the tree leans or is unstable.

Physical Condition

- Identification of damage caused by pathogens or insect pests, by natural causes such as lightning, or by human activity.
- Evaluation of vigor based on such parameters as amount of new growth, leaf color, abnormal bark, dead wood, evidence of wilt, excessive necrosis or leaf chlorosis, thinning of crown, etc.
- Assessment of the overall health of the tree based on the evaluation of vigor, presence of damage, and comparison to the typical archetype tree of the same species.



Health Grade

A subjective alphabetical ranking was assigned for overall health (vigor, aesthetic value, and balance) for each native oak and big cone fir tree based on the criteria described below:

- "A" = Excellent: A healthy and vigorous tree characteristic of its species and reasonably free of any visible signs of stress, disease, or pest infestation.
- "B" = Good: A healthy and vigorous tree with minor visible signs of stress, disease, and/or pest infestation. Some maintenance measures may need to be implemented, such as pruning of dead wood or broken branches.
- "C" = Fair: Although healthy in overall appearance, there is abnormal amount of stress or disease/insect infestation, and a substantial amount of maintenance may be needed.
- "D" = Poor: A tree that may be exhibiting a substantial amount of stress, disease, or insect damage than what the amount that is expected for the species. The tree may be in a state of rapid decline, and may show various signs of dieback, necrosis, or other symptoms caused by pathogens or insect pests.
- "F" = Dead: This tree has no foliage and exhibits no sign of life or vigor.

Results

There are 20 coast live oak trees located within the project footprint, one of which is dead, and all of which would be removed by the proposed project. No other oak trees would be encroached or otherwise impacted by the proposed project. Data on these 20 oak trees is presented in Table 1 below.

Table 1 Oak Tree Survey Data

Tree #	Species	DBH	Canopy Spread				طفاووانا	Physical	Impact	Reason for
			North	West	South	East	Health	Condition	Status	Impact
1	Coast live oak	13	14	3	8	21	Fair		Removal	Grading
2	Coast live oak						Dead		Removal	Grading
3	Coast live oak	16	3	8	25	35	Poor	fire scar	Removal	Grading
4	Coast live oak	12	12	7	18	15	Good	fire scar	Removal	Grading
5	Coast live oak	18	11	15	30	7	Good	fire scar	Removal	Grading
6	Coast live oak	9	4	8	18	2	Fair	fire scar	Removal	Grading
7	Coast live oak	15	7	16	15	8	Fair	fire scar	Removal	Grading
8	Coast live oak	9	7	3	18	8	Good	fire scar	Removal	Grading
9	Coast live oak	18	30	15	22	10	Good	fire scar	Removal	Grading
10	Coast live oak	16	8	17	15	6	Fair	fire scar	Removal	Grading
11	Coast live oak	10	15	14	1	2	Fair	fire scar	Removal	Grading
12	Coast live oak	10	20	6	4	2	Fair	fire scar	Removal	Grading
13	Coast live oak	22	18	21	16	10	Fair	fire scar	Removal	Grading
14	Coast live oak	10	19	1	1	1	Fair	fire scar	Removal	Grading
15	Coast live oak	21	10	7	18	22	Fair	fire scar	Removal	Grading

Sunshine Canyon Landfill Ultimate Entrance Improvement Project Oak Tree Report

Tree #	Species	DBH	Canopy Spread			Hoolth	Physical	Impact	Reason for	
			North	West	South	East	- Health	Condition	Status	Impact
16	Coast live oak	18	1	22	19	8	Fair	fire scar, split trunk	Removal	Grading
17	Coast live oak	19	15	11	15	10	Fair	fire scar	Removal	Grading
18	Coast live oak	12	15	7	15	7	Fair	fire scar	Removal	Grading
19	Coast live oak	12	17	10	4	8	Good		Removal	Grading
20	Coast live oak	8	4	12	6	1	Fair		Removal	Grading

Mitigation

There are currently 48 coast live oak trees in the landfill's mitigation bank. As noted in Table 1, 20 coast live oak trees would be removed by the proposed project. Therefore, at a mitigation ratio of 2:1, 40 coast live oak trees will be deducted from the landfill's oak tree mitigation bank, leaving 4 oak trees remaining in the bank for future removals at the landfill.

Please contact Greg Ainsworth at (818) 564-5544 or email at gainsworth@rinconconsultants.com if you have any question or comments regarding the information provided in this report.

Sincerely,

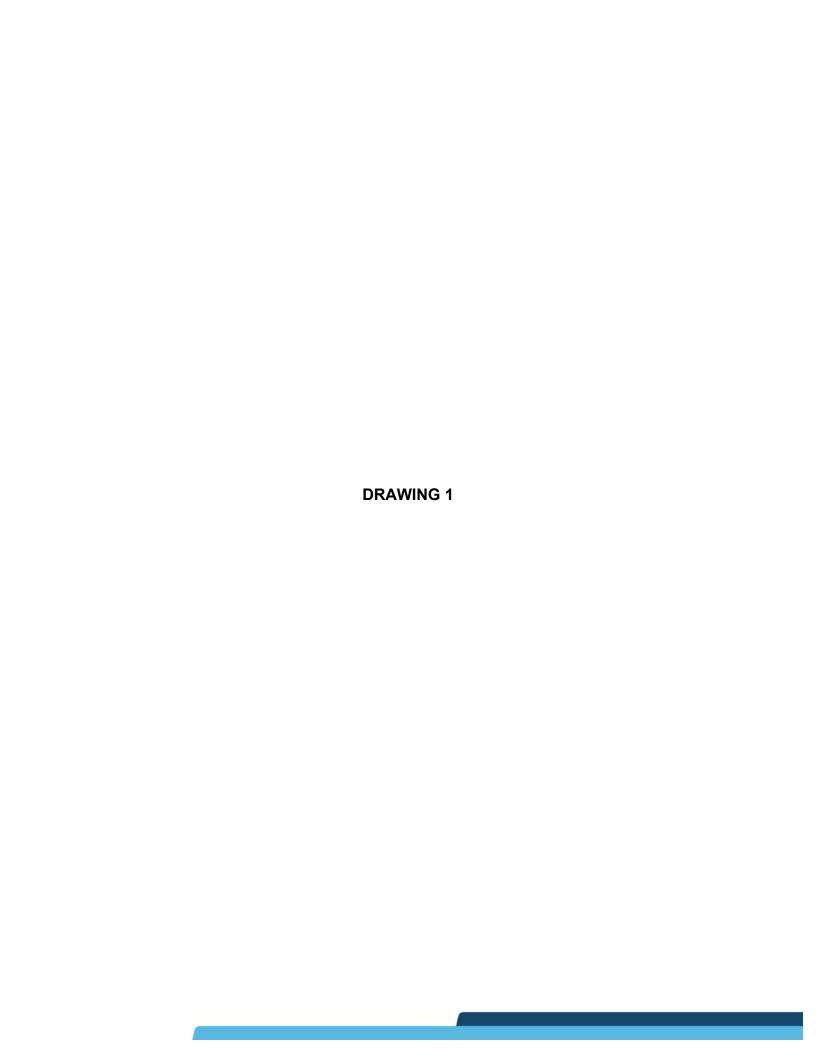
Rincon Consultants, Inc.

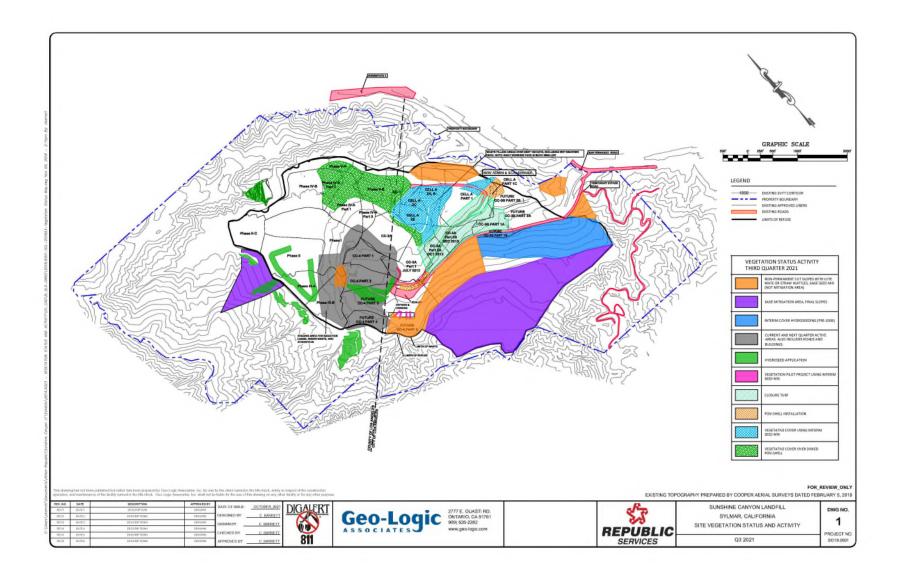
Greg Ainsworth, I.S.A. Cert # WE-7473A

Director of Urban Forestry

Attachments

Oak Tree Map







BEFORE THE HEARING BOARD OF THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT MINUTE ORDER

SCAQMD vs BROWNING-FERRIS INDUSTRIES OF CALIFORNIA dba SUNSHINE CANYON LANDFILL 14747 San Fernando Road

Case No: 3448-18

Facility ID: 49111

Sylmar, CA 91342

Hearing Date: 03/19/2025 Next Hearing: 09/03/2025

Hearing Type: Stipulated Order for Abatement

HEARING BOARD ACTION

Action: ISSUED

Starting Date: 03/19/2025

Ending Date: *

COMMENTS

*No sooner than the next hearing, scheduled for September 3, 2025, as further determined thereat.

RULES

402

Health & Safety Code §41700

EQUIPMENT DESCRIPTION

DEVICE/APPLICATION/PERMIT

Class III Landfill

CONDITIONS

Respondent shall comply with the conditions set forth in the attached Stipulated Order for Abatement and Findings and Decision of the Hearing Board.

Present:

Micah Ali. Chair

Robert Pearman, Esq., Vice Chair Jerry P. Abraham, MD MPH CMQ

Mohan Balagopalan

Cynthia Verdugo-Peralta (Left at 1:30pm)

Representing the Petitioner:

Daphne Hsu, Principal Deputy District Counsel Nicholas Sanchez, Assistant Chief Deputy Counsel

Representing the Respondent:

Tom Bruen, Attorney at Law

Public Comments:

Patty Glueck Jesse Lorenzo

Jane Williams, California Communities Against Toxics

Christine Sahai

Public Comments (continued):

Kwesi Dei

Cynthia Petersen Lauren Staller

Nurha Chahayed

Erick Fefferman, Protect North San Fernando Valley

Andrew Petersen Andrew Rozendal Elliot Koretz

Frank Nolan

Wayde Hunter, North Valley Coalition of Concerned Citizens, Inc.

William Huntley

Ana Rofe

Bethany Sternbaum

Emily Ellison, Office of LA County Supervisor Lindsay Horath

Public Testimony:

Erick Fefferman, Protect North San Fernando Valley

Daniel Sternbaum

Andrew Rozendal

Brian Allen

Wayde Hunter, North Valley Coalition of Concerned Citizens, Inc.

Patty Glueck Gita Belinksy

Witnesses for the Petitioner:

Gerado Vergara, Air Quality Inspector III

Professor Eugene Tseng

Petitioner's Exhibits:

#1 - Odor Complaints

#2 - Monthly Report

#3 - PowerPoint Presentation

#4 - Stipulated Proposed Order

Public's Exhibits:

P-1 - Bonnie Ornitz, email dated 3/9/25

P-2 - Beth Sternbaum, email dated 3/9/25

P-3 - Jacqui Cunz, email dated 3/11/25

P-4 - Aviva Ebner, email dated 3/11/25

P-5 - Daniel Sternbaum: email dated 3/11/25

P-6 - Elliott Koretz, email dated 3/11/25

P-7 - Kasia Sparks, email dated 3/11/25

P-8 - Lilly Ramirez, email dated 3/11/25

P-9 - Daniel Sanders, email dated 3/12/25

Data Daniel Galiders, email dated 5/12/25

P-10 – Andrew Rozendal, email dated 3/13/25

P-11 – Meg Volk, email dated 3/13/25

P-12 - Patty Gluek, email dated 3/14/25

P-13 - Meg Volk, email dated 3/16/25

P-14 - Elizabeth Mitev, email dated 3/16/25

P-15 - Nurha Hindi-Chahayed, email dated 3/17/25

P-16 - Arline Melkornian, email dated 3/17/25

P-17 - Letter from Andrew Modugno

P-18 – Letter and Report from Supervisor Lindsey Horvath, LA County

Public's Exhibits (continued):

- P-19 Ken Goodman, email dated 3/18/25
- P-20 Shelia Rini, email dated 3/18/25
- P-21 Marci Edge, letter dated 3/18/25
- P-22 Lucy Vartanian, email dated 3/18/25
- P-23 Krista Arnone, email dated 3/18/25
- P-24 Diana Sowul, email dated 3/18/25
- P-25 Robyn Reinhart, email dated 3/19/25
- P-26 Jack Pava, email dated 3/19/25
- P-27 Helen Attai, email dated 3/19/25
- P-28 Andrea Provenzale, email dated 3/19/25
- P-29 Presentation re Order for Abatement Sunshine Landfill
- P-30 Gita Belinksy, email dated 3/19/25
- P-31 Dave Belinksy, letter dated 3/19/25
- P-32 Brian Shneider, email dated 3/19/25
- P-33 Crystal Edwards, email dated 3/19/25

Motion:

Ali/Pearman

3-1, Balagopalan votes No, Verdugo-Peralta absent for the vote

Board

Review/Approval:

Micah Ali, Chair

Dated:

May 1, 2025

Prepared by James Chavez

Attachment: Findings and Decision

1	OFFICE OF THE GENERAL COUNSEL	AT DICTRICT	
2	SOUTH COAST AIR QUALITY MANAGEMEN DAPHNE HSU, State Bar No. 247256	NI DISTRICT	
3	Principal Deputy District Counsel KARIN MANWARING, State Bar No. 228565		
4	Senior Deputy District Counsel 21865 Copley Drive		
5	Diamond Bar, California 91765-0940 Telephone: (909) 396-3400		
6	Fax: (909) 396-2825		
7	Attorneys for Petitioner SOUTH COAST AIR QUALITY MANAGEMEN	NT DISTRICT	
8	BEFORE THE HEARIN	G BOARD OF	THE
9	SOUTH COAST AIR QUALITY	MANAGEMEN	NT DISTRICT
10			
11	In the Matter of	Case No. 3448	3-18
12	SOUTH COAST AIR QUALITY		D ORDER FOR
13	MANAGEMENT DISTRICT,	DECISION O	T; FINDINGS AND F THE HEARING BOARD
14	Petitioner,		ety Code §41700 and
15	vs.	District Rule 4	02
16	BROWNING-FERRIS INDUSTRIES OF CALIFORNIA, INC., a California	Hearing Date:	March 19, 2025
17	Corporation dba SUNSHINE CANYON LANDFILL,	Time: Place:	9:30 a.m. Hearing Board
18	[Facility ID No. 49111]		South Coast Air Quality Management District
19	Respondent.		21865 Copley Drive Diamond Bar, CA 91765
20			
21	·		
22			
23			
24	FINDINGS AND DECISION	ON OF THE HE	ARING BOARD
25	This petition for an Order for Abatement [S	stipulated] was he	eard on March 19, 2025,
26	pursuant to notice and in accordance with the provi	isions of Californ	nia Health and Safety Code
27	Section 40823 and District Rule 812. The following	g members of the	e Hearing Board were present:
28	Micah Ali, Chair; Robert Pearman, Esq., Vice Cha		

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and emergency waivers issued by the Sunshine Canyon Landfill Local Enforcement Agency¹ (SCL-LEA), the Regional Water Quality Control Board, and the Los Angeles County Board of Supervisors (LACBOS) to address the removal and disposal of fire debris.²

- 6. The municipal solid waste disposed of in Sunshine Canyon Landfill generates landfill gas as it decomposes. The major components of landfill gas are methane and carbon dioxide, and other non-methane organic compounds which contains odorous compounds in lesser concentrations. Landfill gas, unless adequately collected, may escape from the landfill into the atmosphere. Landfill disposal can also cause fresh trash odors. Liquids (e.g., leachate) emanating from the surface of the landfill may also cause odors.
- 7. California H&S Code §41700 and District Rule 402 prohibit the discharge from any source whatsoever of such quantities of air contaminants or other material which cause injury, detriment, nuisance, or annoyance to any considerable number of persons or to the public, or which endanger the comfort, repose, health or safety of any such persons or the public, or which cause, or have a natural tendency to cause, injury or damage to business or property.
- 8. The District alleges that Respondent is unable to conduct operations at the Facility without being in violation of H&S Code §41700 and District Rule 402 unless additional mitigation measures are implemented.
- 9. The District and Respondent disagree as to whether Respondent was, is, or has been in violation of H&S Code §41700 and District Rule 402.
- 10. District Rule 806(b) and H&S Code §42451(b) permit the Hearing Board to issue a stipulated order for abatement upon the terms and conditions set forth in a stipulated Findings and Decision without making a finding that Respondent is in violation of a District rule or

¹ An LEA is an entity designated by the governing body of a county or city and is empowered to implement delegated California Environmental Protection Agency's Cal Recycle programs and locally designated activities.

² On January 27, 2025, the SCL-LEA approved an Emergency Waiver (until May 24, 2025) for fire recovery operations and the RWQCB issued an approval for Disposal of Disaster Related Wastes, consistent with the General Order related to the disposal of debris resulting from a disaster-related emergencies, as adopted by the State Water Board on February 18, 2020. On February 25, 2025, the LACBOS approved the "Temporary Waiver of Wasteshed Restriction and Increase in Disposal Tonnage Limits at Local Landfills" authorizing Respondent to temporarily increase tonnage limits continuing for 120 days. As a result, the Facility's tonnage limits are temporarily increased to 15,000 tons per day.

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stations).

Department, City of Los Angeles Bureau of Sanitation, the Los Angeles Regional Water Quality

Control Board, the California Department of Toxics Substances Control, and other state or local

agencies, have jurisdiction over Respondent (and/or Respondent's affiliates', including its transfer

- 18. Additionally, the U.S. Army Corp of Engineers, in coordination with the State of California, the County of Los Angeles Department of Public Works (LACDPW), and the Federal Emergency Management Agency (FEMA), have been working to manage the removal and disposal of debris related to the January 2025 wildfires that impacted the Los Angeles region.
- 19. On April 9, 2024, the Los Angeles County Board of Supervisors instructed the Department of Regional Planning (DRP), Department of Public Works, and Department of Public Health, as part of the Sunshine Canyon Landfill Technical Advisory Committee, to engage an independent technical expert to provide an assessment of the odor issues that occurred at Sunshine Canyon Landfill (SCL) between 2023 and 2024. In response, a report titled "Sunshine Canyon Landfill Assessment of Odor Issues 2023 and 2024" was prepared and released by UltraSystems Environmental (the "UltraSystems Report") on October 16, 2024.
- 20. The UltraSystems Report includes descriptions of the effectiveness of remediation actions and recommendations for operations of the landfill to more effectively address the odor issues.
- 21. The District has worked closely with and is largely relying on recommendations advanced by the SCL-LEA and/ or identified in the UltraSystems Report for the mitigation measures to present in a proposed Findings Decision, and Order.
- 22. The mitigation measures to be presented in advance of the hearing are intended to reflect a systemic approach and will include, among other measures, the utilization of methanotrophs in the form of pilot projects intended to address changing weather conditions.
- 23. Methanotrophic bacteria (or "methanotrophs") are bacteria and microbes that oxidize methane and odors. These microbes utilize methane as their primary energy source (effectively "eating" methane and breaking it down into less harmful compounds) and can also often co-oxidize various odor molecules due to their metabolic processes involving enzymes like methane monooxygenase (MMO).)
- 24. A landfill "Lift" is a layer of waste in a landfill cell that is typically 8–10 feet thick. Landfills are made up of multiple lifts, or layers of cells.
 - 25. A landfill "Cell" is a single, waste-holding unit within a larger landfill property.

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4. This (Stipulated) Order for Abatement is not intended to be, nor will it act as, a variance. Respondent is subject to all rules and regulations of the District and to all applicable provisions of California law. Nothing herein shall be deemed or construed to limit the authority of the District to issue Notices of Violation, to seek civil penalties or injunctive relief, or to other administrative or legal relief. The Findings of Fact are based on evidence presented by Petitioner and Respondent as of the date hereof.

ORDER

THEREFORE, subject to and based on the aforesaid Findings of Fact, Conclusions and additional evidence and testimony, and good cause appearing, Respondent is hereby ordered to cease and desist any operation of the landfill/solid waste disposal Facility referred to as "Sunshine Canyon Landfill," resulting in violations of Health and Safety Code §41700 and District Rule 402, or in the alternative, comply with the actions and conditions set forth below:

- 1. Respondent shall appear at a Status Hearing to be set in six months, or as soon thereafter as the South Coast AQMD Hearing Board schedule allows, and shall prepare a written status report to be submitted at least thirty-days in advance of the Status Hearing. Respondent shall email the status report to the Clerk of the Board at COB@aqmd.gov, with a copy to the South Coast AQMD [attention Karin Manwaring at KManwaring@aqmd.gov] and to the SCL-LEA [attention David Thompson at David.Thompson@lacity.org].
- 2. The Executive Officer may request the Hearing Board hold a Status Hearing sooner than the hearing to be set in six months if, for example, South Coast AQMD issues more than two Notices of Violation (NOVs) over a consecutive four-day period and in the judgment of the Executive Officer the source of the odor has not been addressed, and such subsequent events concerning the landfill warrant the more immediate attention of the Hearing Board.
- 3. Respondent shall collaborate with the SCL-LEA to develop and implement protocols for the monitoring and evaluation of the effectiveness of each of the individual mitigation measures identified for implementation in this Order, and the potential effectiveness of the different mitigation measures when utilized in combination (to help determine the best complementary combination of mitigation measures for the different types of odors and different root causes). Respondent shall report back on the status of this assessment of mitigation measures, including development of protocols, at the Status Hearing identified in Condition no. 1.

- 4. Respondent shall perform, or cause to be performed, the following pilot projects, shall document efforts to implement the following pilot projects, and shall report back on the status of each pilot project as part of the Status Hearing identified in Condition no.1:
 - a. *Microbiology-based Mitigation (Application)*: Respondent shall, within six months of issuance of this Order, incorporate application during the unloading, spreading, and compacting operations of the working face, of aerobic microbiology-based solution(s) to enhance the oxidation of odiferous compounds ("fresh trash odors") and methane within the current lift of waste being disposed, and shall initiate and support research to validate the short-term and long-term effectiveness of the application, including efforts to ensure no unintended consequences of the application. Respondent shall document application efforts and shall report back on the status of the application and research at the Status Hearing identified in Condition no. 1.
 - b. *Microbiology-based Mitigation (Foam Gun Application)*: Respondent shall, to the extent reasonably feasible, apply odor neutralizer and microbiology-based solution(s) at the same time using a foam gun during the unloading, spreading, and compacting of the waste on the daily working face.
 - c. Microbiology-based Mitigation (EnviroCover ADC): Respondent shall, prior to the application of EnviroCover as an alternative daily cover at the end of the operating day, apply an additional spraying of aerobic microbiology-based solution(s) and an additional anaerobic microbiology-based solution(s) to enhance the oxidation of odiferous compounds ("fresh trash odors") and methane within the current lift of waste being disposed.
 - d. *Microbiology-based Mitigation (Soil Enhancement Protocols)*: Respondent shall, within two months of issuance of this Order, initiate an innovative pilot program, including providing access to grids for testing, for the purpose of supplementing the effectiveness of soil, mulch, compost, (or combination of) using microbiology-based technologies to enhance the oxidation of odiferous compounds and or methane. Respondent's efforts shall include collaborating with the SCL-LEA to determine a set of evaluation protocols to determine the potential effectiveness for full-scale future application using best practices.
 - e. Microbiology-based Mitigation (Cover Soil): Respondent shall, to the extent that daily cover soil and/or intermediate cover soil are utilized as a vegetative layer, make efforts to improve the biofiltration properties of the soil by improving the organic content (for example, carbon content) by adding organic soil, compost, and/or biochar to enhance the microbiology-based solution's impact on plant root growth and its ability to oxidize landfill gas in an effort to increase the phytoremediation ability of the vegetation.

- f. Microbiology-based Mitigation (Phytoremediation Protocols): Respondent shall, within two months of issuance of this Order, facilitate access and perform or cause to be performed, an application to enhance phytoremediation on multiple test grids. Respondent's efforts shall include collaborating with the SCL-LEA to determine a set of evaluation protocols to determine the potential effectiveness for full-scale future application to enhance phytoremediation using best practices. Respondent shall document the efforts to enhance phytoremediation and shall report back on the status of the efforts at the Status Hearing identified in Condition no. 1.
- g. Closure Turf: Respondent shall examine the feasibility of not removing the existing Closure Turf when cell development impacts an area for the purpose of developing a landfill gas collection system and a leachate collection system that would function with the Closure Turf remaining in place. Respondent shall report back on the status of the potential to and benefits of leaving Closure Turf in place at the Status Hearing identified in Condition no. 1.
- h. Enhanced Surface Emissions Data Collection: Respondent shall initiate an innovative pilot program for the purpose of improving surface emissions data collection (for example, by collecting more real time data and including data collected in the evenings, and for example, by use of technology such as drones and or tracked robotic vehicles) to identify potential problematic grids and areas (for the purpose of identifying areas to implement additional corrective measures) to improve landfill gas collection and to minimize the potential for fresh trash odors to be carried by landfill gas emissions. Respondent shall collaborate with the SCL-LEA on the enhanced surface emissions data collection efforts and shall provide access to the Facility on a case-by-case basis as recommended by the SCL-LEA. Respondent shall report back on the status of the enhanced surface emissions data collection efforts at the Status Hearing identified in Condition no. 1.
- 5. Respondent shall address odiferous compounds, including fresh trash odors, by performing, or causing to be performed, the following measures:
 - a. At Republic owned or controlled transfer stations, Respondent shall apply odor neutralizer and incorporate aerobic (and compatible anaerobic) microbiology-based solution(s) to enhance the oxidation of odiferous compounds ("fresh trash odors") prior to disposal of that waste at the Facility;
 - i. Respondent shall document use of odor neutralizers and aerobic (and compatible anaerobic) microbiology-based solution(s), and shall make records available to the South Coast AMD upon request.

- b. At the Facility, Respondent shall optimize use of foaming spray at the working face with an odor neutralizer, to be applied during early operating hours and during adverse meteorological conditions;
- At the Facility, upon acceptance of an identified particularly odorous load, Respondent shall utilize the foam gun for spot applications;
- d. At the Facility, upon identification of a particularly odorous load at the working face, Respondent shall cover the odorous load immediately with odor buffering/adsorbing material (such as compost, mulch, ground greenwaste, biochar, soil, or non-odorous municipal solid waste); and
- e. Respondent shall report back at the status hearing identified in Condition no. 1 on (i) efforts to work with a third-party to develop an enhanced foam product and (ii) the effectiveness of both using a longer-range foam gun and of using foaming spray at the working face during early operating hours.
- 6. Respondent shall conduct daily on-site odor patrols, which shall include efforts to identify locations of leachate seeps. These efforts shall be conducted and documented as required in Condition 6(c) below.
 - a. In the event that a leachate seep is discovered, Respondent shall utilize a portable sprayer to apply odor neutralizer and/or aerobic (and compatible anaerobic) microbiology-based (methanotrophic microbes, bacteria, etc.) solution(s) on the leachate seep prior to remediating the seep (e.g., covering with soil, etc.).
 - b. For leachate seeps that are continuous or have pooled (pooling is an accumulation of at least 25 gallons or greater than 5 square feet of affected surface area), Respondent shall treat the leachate with odor neutralizer and or aerobic (and compatible anaerobic) microbiology-based (methanotrophic microbes, bacteria, etc.) solution(s), and pump out the leachate into a closed liquid storage container (if sufficient quantities of leachate warrant removal) and treat at the onsite leachate treatment facility.
 - c. Respondent shall conduct and document patrols at least twice each operating day, once in the morning, completing the patrol prior to 8 a.m. and once in the late afternoon, starting the patrol after 3 p.m. In documenting the patrol, each day, Respondent shall indicate the area on the map where the odor source or leachate were identified. If leachate was discovered, the next day a follow-up patrol must be conducted in that same area.
 - i. In the event that two weeks of twice daily patrols show no exposed liquid/leachate seepage or pooling, Respondent may reduce the inspection frequency to once daily in the morning.

- 7. Respondent shall continue construction of the front entrance berm, including landscaping as a physical visual barrier and a physical odor barrier, which shall include a misting system with both odor neutralizer and a waterless vapor odor neutralizer. Respondent shall report back on the status of the berm construction at the Status Hearing identified in Condition no. 1.
- 8. Respondent shall implement the (previously SCL LEA-approved) 2023-2024 Wet Weather Preparation Plan and the current 2024-2025 Wet Weather Preparation Plan, and shall implement additional wet weather mitigation measures when feasible and appropriate, such as grading techniques (for example, rough grading, contour grading, use of erosion control fabrics/mats) to minimize surface erosion and to preserve the low permeability properties of the landfill cover.
- 9. Respondent shall implement as part of its wet weather preparation and as additional odor mitigation, utilization of hydroseeding in areas anticipated to be most effective, as determined in collaboration with the SCL-LEA, for enhanced erosion control, including use of methanotrophic bacteria/microbes in the hydroseeding cover layer to enhance oxidation of odor/methane in addition to enhancing root growth of with the utilization of microbiology with phytoremediation properties.
- 10. Respondent shall, for the purpose of assessing the overall effectiveness of individual and/or combined mitigation measures, provide to the SCL-LEA the following: landfill gas system operational data, South Coast AQMD Rule 1150.1 instantaneous and integrated surface readings data; individual landfill gas well analytical/operational data; daily collected gas volumes; and meteorological data, and shall also provide the implementation schedule and operational dates of implemented mitigation measure(s). Respondent may designate and mark as confidential data it considers "business sensitive."
- 11. Respondent shall collaborate with the SCL-LEA to identify Rule 1150.1 monitoring grids with continuing excessive surface emissions and shall enhance the intermediate cover with the most appropriate mitigation measures, which might include:
 - a. Application of intermediate cover to areas with daily cover, prior to the six-month regulatorily required intermediate cover application;
 - b. Enhancement of existing intermediate cover with extra thickness of compacted soil, with lower permeability soil, if available;
 - c. Enhancement of existing intermediate cover with organic topsoil (compost, mulch, or mix) to create a biofilter layer;
 - d. Enhancement of existing intermediate cover with vegetative cover with native plants (for enhanced biofiltration);

- e. Application of EnviroCover over a protective soil buffer layer, followed by application of intermediate soil cover;
- f. Application of PosiShell on top of intermediate cover;
- g. Application of PosiShell (or other material with more impermeable properties for "sealing" the top layer) on top of extra thickness soil for enhanced intermediate cover; and/or
- h. Application of a soil "sealant" to increase the impermeability of soil used for daily cover and intermediate cover.
- 12. Respondent shall address grids that continue to demonstrate excessive surface emissions by prioritizing installation of shallow horizontal/slope/trench collectors at such grids, and shall assess utilization of large plastic sheeting or Closure Turf cover, with installation of flat/horizontal landfill gas collection pipes underneath the cover, and shall cover problematic grids with large plastic sheeting or Closure Turf if determined to be feasible and likely to reduce excessive surface emissions.
- 13. Respondent shall review the current Cell Sequencing Plan to determine the feasibility of optimizing the sequence to focus on filling over the grids (and including installation of horizontal collectors from the start of filling) where the practice of nine inches of compacted daily soil without peelback was implemented. If Respondent, in collaboration with the SCL-LEA, determines a revised Cell Sequencing Plan is appropriate, Respondent shall prepare a draft 5-year Cell Development Plan, showing the current Cell and future Cells to the terminal toe berm area. Respondent shall report back on the status of Cell Sequencing Plan at the Status Hearing identified in Condition no. 1.
- 14. Respondent shall continue implementation of top-down vertical landfill gas collection wells to supplement bottom-up landfill gas collection wells (and elsewhere at the Facility as appropriate) to achieve a minimum of thirty percent (30%) overlap for the effective radius of influence of the vertical landfill gas collection wells. Respondent shall report back on its effort to achieve a minimum of thirty percent (30%) overlap at the Status Hearing identified in Condition no. 1.
- 15. Respondent shall, when feasible and appropriate, utilize larger diameter landfill gas extraction well-casings to improve vacuum levels and utilize a geosynthetic boot, bentonite seal, or additional soil layer (or combination thereof) around the base of the well-casing to minimize landfill gas leakage. Respondent shall maintain records documenting use of larger diameter landfill gas extraction well-casings and/or use of enhancements at the base of the well-casing, and shall make records available to the South Coast AQMD upon request.

- 16. Respondent shall implement a pilot project to enhance landfill gas movement by identifying and providing access to three locations in different areas of the Facility. Respondent's pilot project to enhance landfill gas movement shall include identifying and/or creating designated pathways of least resistance in the disposal mass by utilizing larger granular materials (for example, crushed concrete or large wood chips, other granular materials) in the form of a layer or a limited circular pad within a radius of influence of a vertical landfill gas well (below the sealing plug) and tied to a vertical landfill gas collection well, for among other benefits, preventing pressure build ups and/or blow-outs. Respondent shall endeavor to determine the optimum amount of interconnectivity of the pathways of least resistance (or minimum safe distance between porous material pathways) to prevent unreasonable risk of the spreading of underground oxidation events. Respondent shall document efforts to enhance landfill gas movement and to determine the optimum amount of interconnectivity, and shall report back on the status of such efforts at the Status Hearing identified in Condition no. 1.
- 17. Respondent shall collaborate with the SCL-LEA to develop a Smoke Test protocol to determine the potential odor transport pathways from the Facility to the community and surroundings based on the various meteorological factors and the current and future development topography of the Facility. Following approval by the SCL-LEA, Respondent shall implement the Smoke Test and use the results to assess the potential for additional odor mitigation measures to reduce and/or prevent the odors from reaching the community (such as physical barriers, dilution, or dispersion technologies, or odor neutralization and/or vapor phase odor neutralization techniques), and shall report on the status of the Smoke Test at the Status Hearing identified in Condition no. 1.
- 18. Respondent shall start partial final closure for all areas that have already reached final elevation in accordance with a final closure plan approved by the SCL-LEA and the Regional Water Quality Control Board.

Good cause appearing, it is so ordered.

For the Board:

Micah Ali

Date Signed:

May 1, 2025

I Vote No:

Mohan Balagopalan



January 24, 2025

Mr. David Thompson Local Enforcement Agency 221 N. Figueroa St. Suite 1250 Los Angeles, CA 90012

Re: Emergency Waiver of Standards Request, Sunshine Canyon Landfill Permit No. 19-AA-2000.

On January 7, the City of Los Angeles declared a State of Emergency in response to the Palisades Fire and ongoing windstorm. Similarly, on the same day, the Executive Department of the State of California issued a Proclamation of a State of Emergency.

Pursuant to California State Regulations Title 14, Section 17210 et seq., Sunshine Canyon Landfill (SCL), and SWFP 19-AA-2000 is requesting an Emergency Waiver of Standards to facilitate the receipt of disaster debris from the fires in the Los Angeles region. SCL also anticipates a significant increase in construction and demolition debris and other non-fire debris waste associated with the fires plus remediation and reconstruction efforts. SCL is one of the closest lined landfills to the area of the Palisades fire.

The waiver will enable the site to accept both fire debris and MSW associated with the debris removal and the recovery efforts within the County and City of Los Angeles related to the fires beyond the current permitted inbound tonnage limit of 12,100 tons per day and 66,000 tons per week up to a total of 15,000 tons per day and 90,000 tons per week. Additionally, the site requests the option to increase hours for receipt of waste on Saturdays from 2 pm to 4 pm and on weekdays from 6 pm to 7 pm if incoming volumes warrant this adjustment. The disaster-related material accepted will be limited to what is included in the State Water Resources Control Board Order WQ-2020-0004-DWQ.

Pursuant to Title 14 CCR, Section 17210.3:

- 1. Minimum Standards Requested to be Waived
 - a. Daily Tonnage Limit: Increase daily tonnage limit to 15,000 tpd
 - b. Weekly Tonnage Limit: Increase weekly tonnage limit to 90,000 tons per week
 - c. Hours of Operation:

- i. Receipt of Refuse: the option to increase SCL's hours for receipt of waste to 4 pm on Saturdays and on weekdays to 7 pm, if incoming volumes warrant either or both adjustments
- ii. Landfill Operations and Equipment Maintenance: extend hours of landfill operations and equipment maintenance to 10 pm, Monday through Friday
- 2. Remaining Disposal Capacity
 - a. As of 12/31/24, SCL has approximately 57M cubic yards of remaining capacity
- 3. SCL is expecting that any separation of potentially reusable or recyclable materials from fire debris will be completed at the point of generation
- 4. A Listing of Locally Approved Temporary Sites
 - a. Temporarily using sites to store disaster related debris for future reuse or recycling is not requested by SCL at this time.

The following Operations Plan outlines the general procedures of anticipated traffic patterns, filling procedures, and management practices related to dust control with regard to the anticipated disaster-related debris.

1. Traffic and Transport into SCL

Any trucks delivering disaster-related waste (ash, soil and debris) will follow a predesignated traffic route which will likely bring trucks via the 405 Freeway, exiting onto Roxford Street, to San Fernando Road and into the site. These routes will reduce transport through residential neighborhoods to the extent feasible.

Traffic control personnel will be stationed near the entrance to ensure that trucks delivering MSW (or other non-waste traffic) is designated to a single in-bound lane, and trucks delivering disaster debris are designated to the other single in-bound lane. This will ensure the queuing capacity on-site is maximized to limit queuing on San Fernando Road to the extent feasible.

- MSW and non-disaster debris trucks: follow normal traffic pattern, weigh in at the primary (existing) scale house and follow signage and traffic control personnel directions to the working face (CC4 P4A/B/C and/or CC5A). Refer to Figure 1.
- ii. Disaster Debris Trucks: weigh into a scale at the primary (existing scale house) and follow signage and traffic control personnel directions to a designated disaster-debris filling location on the northeast portion of the landfill. If required by the agency overseeing the recovery efforts, or depending on volumes of

material these trucks will follow a designated road to weigh in at a temporary (old) scale location near the administration office. If required, these trucks will return to their weigh-in scale to weigh out and will exit the site with normal trucks. Refer to Figures 1 and 2 for potential fire debris disposal areas, as well as on-site haul routes and scale locations.

2. Filling Procedures

It is anticipated that disaster-related material will be delivered to the site in end dumps, "Super-10" trucks, or similar. Traffic controllers and spotters will be positioned around the designated dumping area to direct trucks into the filling area, where they will tip their loads. A dedicated water truck will apply water as needed to suppress the dust during the unloading process.

Envirocover and/or 6" of compacted soil will be applied at the end of each day in accordance with our existing procedures and weekend. The working face of this designated filling area will be covered daily by 9 pm.

3. Dust Management Practices

Dust control will remain a top priority. All existing dust control measures will remain in place to manage the normal day-to-day MSW and construction activities on-site. In addition to those measures, two water trucks will be assigned solely to the disaster debris operation including the roadways to and from the designated filling area and within the filling operation.

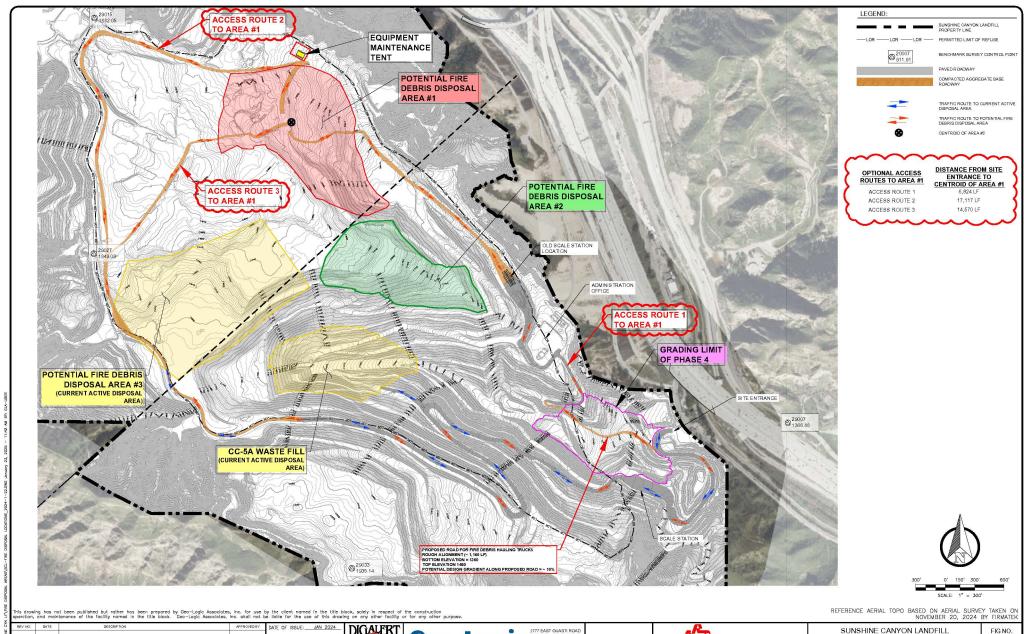
The Plan described above may be modified or adjusted as needed, or as requested by the LEA according to the requirements of the agency overseeing the recovery efforts and/or the LEA Program. Any significant changes to this Plan will be resubmitted to the LEA for review and approval.

Should you have any questions, please don't hesitate to contact me at (210) 889-9516.

Michael Stewart

Muhifhant

General Manager, Sunshine Canyon Landfill



REV NO.	DATE	DESCRIPTION	APPROVED BY	DATE OF ISSUE:JAN 202	4
				DESIGNED BY:F MINA	8
				CAD DESIGN BY: J TAMBA	4
				CHECKED BY: F MINA	
t				APPROVED BY: F MINA	

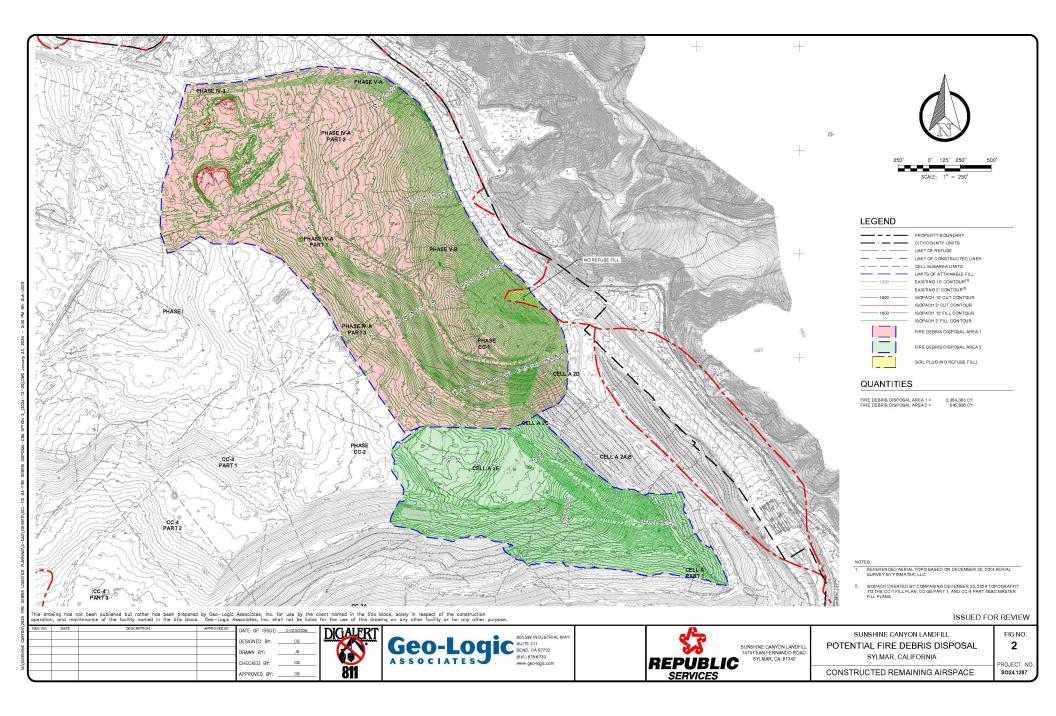






SYLMAR, CA OVERALL SITE MAP POTENTIAL FIRE DEBRIS DISPOSAL AREAS AND ACCESS ROUTES

1.0 PROJECT NO. S024.X



SUNSHINE CANYON LANDFILL



14747 San Fernando Road Sylmar, California 91324

January 2, 2025

Mr. Michael Stewart, General Manager Sunshine Canyon Landfill / Republic Services 14747 San Fernando Road Sylmar, CA 91342

Subject:

Sunshine Canyon Landfill (SWIS No. 19-AA-2000)

LEA Approval of Emergency Waiver Request Due to Recent Wildfires

Dear Mr. Stewart,

The Sunshine Canyon Landfill Local Enforcement Agency (SCL LEA) has received a written request from Republic Services for a temporary waiver of solid waste facility permit conditions at the Sunshine Canyon Landfill due to emergency conditions created by the Palisades, Eaton, and Hurst fires. This request was submitted in accordance with Section 17210.3 of Title 14 of the California Code of Regulations (CCR).

The LEA approves Republic Services' request for an Emergency Waiver of Standards in accordance with 14 CCR 17210.4 and the following findings:

- 1. This Emergency Waiver is in effect from January 24, 2025 to May 24, 2025,
- 2. This Emergency Waiver of Standards allows for the Sunshine Canyon Landfill to do the following:
 - a. Increase the incoming daily tonnage from 12,100 tons per day (tpd) to 15,000 tpd.
 - b. Increase the incoming weekly tonnage from 76,600 tons per week (tpw) to 90,000 tpw.
 - c. Increase Saturday hours of operation to 7:00 am to 4:00 pm and weekday hours of operation from 6:00 am to 7:00 pm. Landfill operations shall also be extended on these days by an hour to 10:00 pm.
- 3. On January 7, 2025, Governor of California Gavin Newsom issued an emergency proclamation for the Los Angeles County as defined in 14 CCR 17210.1 (j)

- 4. The Sunshine Canyon Landfill is operating with a valid Solid Waste Facility Permit issued by the SCL LEA. All other state minimum standards and permit conditions which are not the subject of the waiver shall remain in effect.
- 5. The approval by the LEA of this Emergency Waiver of Standards will not pose a threat to public health or the environment.
- 6. Sunshine Canyon Landfill has implemented all feasible diversion programs to maximize diversion.

Pursuant to 14 CCR 17210.2 (f), the SCL LEA may modify, cancel or revoke the use of this waiver without advanced notice if it is determined that any of the following conditions occur:

- 1. The operator's use of the emergency waiver will cause or contribute to a public health hazard, or threaten public health and safety or the environment.
- 2. The terms of the emergency waiver are not being used expressly for disaster debris and recovery associated with the Palisades, Eaton and Hurst fires or are not carried out in a manner that protects public health and safety or the environment.
- 3. The incoming disaster debris shall only consist of solid waste permitted for disposal at a Municipal Solid Waste (MSW) Landfill pursuant to State Water Resources Control Board, Order WQ 2020-0006-DWQ.
- 4. The operator is not utilizing disaster debris diversion programs to the extent feasible.
- 5. The emergency waiver is no longer necessary.

Pursuant to 14 CCR 17210.5 – Reporting Requirements for a Solid Waste Facility Operator, Republic Services shall within 90 days from the date of the issuance of the Emergency Waiver submit a written report to the LEA detailing the following:

- 1. The daily amount of disaster debris received and diverted at the facility;
- 2. The jurisdiction of origin for the disaster debris received at the facility;
- 3. The increase in tonnage or volume of waste received per day during the effective period of the activated waiver; and
- 4. The facilities (if any) used to process the disaster debris.

This approval of the emergency waiver request does not relieve the owner or operator from complying with all other local, state and federal requirements.

If you have any questions, please contact me at 213-252-3932 or david.thompson@lacity.org.

Sincerely,

David Thompson, Program Manager

SCL LEA

Cc: Shikari Nakagawa-Ota, SCL LEA

Ben Escotto, CalRecycle Terrance Mann, SCAQMD Chris Shepard, LACoDPW

Claudia Rodriguez, City Planning

Dee Lugo, SCL LEA

Ted Tasiopoulos, CalRecycle Enrique Casas, LARWQCB SCL LEA Board of Directors Wayde Hunter, SCL CAC

SUNSHINE CANYON LANDFILL



14747 San Fernando Road Sylmar, California 91324

May 23, 2025

Mr. Michael Stewart, General Manager Sunshine Canyon Landfill / Republic Services 14747 San Fernando Road Sylmar, CA 91342

Subject:

Sunshine Canyon Landfill (SWIS No. 19-AA-2000)

LEA Approval of Request for Emergency Waiver Extension

Dear Mr. Stewart,

The Sunshine Canyon Landfill Local Enforcement Agency (SCL LEA) has received a written request from Republic Services to extend the emergency waiver of permit conditions at the Sunshine Canyon Landfill due to emergency conditions created by the Palisades, Eaton, and Hurst fires. This request was submitted in accordance with Section 17210.3 of Title 14 of the California Code of Regulations (CCR).

The LEA approves Republic Services' request for an Emergency Waiver of Standards in accordance with 14 CCR 17210.4 and the following findings:

- 1. This Emergency Waiver is in effect from May 24, 2025 to September 24, 2025,
- 2. This Emergency Waiver of Standards allows for the Sunshine Canyon Landfill to do the following:
 - a. Increase the incoming daily tonnage from 12,100 tons per day (tpd) to 15,000 tpd.
 - b. Increase the incoming weekly tonnage from 76,600 tons per week (tpw) to 90,000 tpw.
 - c. Increase Saturday hours of operation to 7:00 am to 4:00 pm and weekday hours of operation from 6:00 am to 7:00 pm. Landfill operations shall also be extended on these days by an hour to 10:00 pm.
- 3. On January 7, 2025, Governor of California Gavin Newsom issued an emergency proclamation for the Los Angeles County as defined in 14 CCR 17210.1 (j)

- 4. The Sunshine Canyon Landfill is operating with a valid Solid Waste Facility Permit issued by the SCL LEA. All other state minimum standards and permit conditions which are not the subject of the waiver shall remain in effect.
- 5. The approval by the LEA of this Emergency Waiver of Standards will not pose a threat to public health or the environment.
- 6. Sunshine Canyon Landfill has implemented all feasible diversion programs to maximize diversion.

Pursuant to 14 CCR 17210.2 (f), the SCL LEA may modify, cancel or revoke the use of this waiver without advanced notice if it is determined that any of the following conditions occur:

- 1. The operator's use of the emergency waiver will cause or contribute to a public health hazard, or threaten public health and safety or the environment.
- 2. The terms of the emergency waiver are not being used expressly for disaster debris and recovery associated with the Palisades, Eaton and Hurst fires or are not carried out in a manner that protects public health and safety or the environment.
- 3. The incoming disaster debris shall only consist of solid waste permitted for disposal at a Municipal Solid Waste (MSW) Landfill pursuant to State Water Resources Control Board, Order WQ 2020-0006-DWQ.
- 4. The operator is not utilizing disaster debris diversion programs to the extent feasible.
- 5. The emergency waiver is no longer necessary.

Pursuant to 14 CCR 17210.5 – Reporting Requirements for a Solid Waste Facility Operator, Republic Services shall within 90 days from the date of the issuance of the Emergency Waiver submit a written report to the LEA detailing the following:

- 1. The daily amount of disaster debris received and diverted at the facility;
- 2. The jurisdiction of origin for the disaster debris received at the facility;
- 3. The increase in tonnage or volume of waste received per day during the effective period of the activated waiver; and
- 4. The facilities (if any) used to process the disaster debris.

This approval of the emergency waiver request does not relieve the owner or operator from complying with all other local, state and federal requirements.

If you have any questions, please contact me at 213-252-3932 or david.thompson@lacity.org.

Sincerely,

David Thompson, Program Manager

SCL LEA

Cc: Shikari Nakagawa-Ota, SCL LEA

Ben Escotto, CalRecycle Terrance Mann, SCAQMD Chris Shepard, LACoDPW Claudia Rodriguez, City Planning Karen Gork, SCL LEA Ted Tasiopoulos, CalRecycle Enrique Casas, LARWQCB SCL LEA Board of Directors Wayde Hunter, SCL CAC