

**Sunshine Canyon Landfill
Independent Monitor
Quarterly Site Monitoring Status Report
April 1, 2022 – June 30, 2023**

Prepared For:

City of Los Angeles Department of City Planning

And

County of Los Angeles Department of Regional Planning



Prepared By:



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Prepared On:

August 2, 2023

CERTIFICATION STATEMENT

August 2, 2023

The attached Quarterly Site Monitoring Status Report for the Sunshine Canyon Landfill dated August 2, 2023 is the Second Quarterly Report for 2023, issued by UltraSystems. This report covers the monitoring period from April 1, 2023 through June 30, 2023 and is prepared for the City of Los Angeles Department of City Planning and the County of Los Angeles Department of Regional Planning.

I, James T. Aidukas, Project Manager for the Mitigation Monitoring Services of the Sunshine Canyon Landfill, certify that the statements in the Quarterly Report and the referenced monthly reports reflect the site conditions observed and compliance status noted by me and other qualified experts during the stated site visits.

Signed,



James T. Aidukas

Project Manager

Contents

Quarterly Status Report..... 1

Site Visits During the Quarter..... 2

Definition of Terms..... 2

Status Summary 2

Compliant.....2

Non-Compliant.....2

Further Review Needed..... 2

Conclusions 17

Sunshine Canyon Landfill City Mitigation Monitoring Summary
(see spreadsheet)

Sunshine Canyon Landfill County Mitigation Monitoring Summary
(see spreadsheet)

Appendices

- Appendix I Further Review Needed Comments: Reference I-d through I-f
- Appendix II Photo Location Map and Relevant Site Photos
- Appendix III Quarterly Site Visits
Attendees by Date and Mitigation Monitoring Site Reports

Quarterly Status Report

This Quarterly Status Report is a compilation of the period's monthly Site Monitoring. After each site visit, the UltraSystems monitors who went to the Sunshine Canyon Landfill site each wrote a Mitigation Monitoring Site Report. The Mitigation Monitoring Summary spreadsheets for the City and County of Los Angeles note any conditions and/or mitigation measures that need further review, and document these areas in an appendix for that site visit date. Any issues that required immediate attention were reported to Republic Services (Republic) staff and the appropriate staff at the City of Los Angeles Planning Department, the County of Los Angeles Department of Regional Planning, the County of Los Angeles Department of Public Works and the Sunshine Canyon Landfill Local Enforcement Agency (SCL-LEA).

The Sunshine Canyon Landfill City and County Mitigation Monitoring Summary spreadsheets record by date each site visit and frequency of monitoring of specific conditions and/or mitigation measures. When a condition and/or mitigation measure is monitored, a check mark is made under the date that it was monitored, and the status of being compliant with the conditions and/or mitigation measures' requirements observed during monitoring is recorded. Tasks with a yearly or non-ongoing monitoring frequency are denoted by a forward slash (/) in subsequent date columns. In the status column, the letter "C" is put next to the task if it is Compliant; the letters "NC" are noted if the task status is Non-Compliant; and the letters "FRN" are used if Further Review is Needed for meeting the requirements of the conditions and/or mitigation measures.

Under the Further Review Needed/ Comment column, observed conditions that have been noted as "FRN" in the status column refer to appendices which detail what was observed during the site monitoring. When the conditions and/or mitigation measures that were previously noted as "FRN" are fully compliant, an "R" is placed in the Resolved column and a "C" replaces the "FRN" in the status column. Also noted in the FRN-Comments column are those action items that would improve monitoring efficiency by having reports and documents readily available. These are summarized in the Mitigation Monitoring Summary spreadsheets and the Summary of Requested Documents section of the Quarterly Reports.

This Quarterly Report provides the City of Los Angeles Department of Planning and the County of Los Angeles Department of Regional Planning with a concise status of the Mitigation Measure Monitoring for the period of April 1, 2023 to June 30, 2023. It includes:

1. The City and County Mitigation Monitoring Summary spreadsheets for April 1, 2023 to June 30, 2023. These spreadsheets record the areas of monitoring completed and the status of being compliant during the second quarter of 2023;
2. A Status Summary of Non-Compliant, Further Review Needed and Compliant with the requirements of the conditions and/or mitigation measures;
3. Photo Location Map and Relevant Site Photos showing site conditions of key areas of the landfill during this quarter; and
4. Site visit attendees by date of site visit and the mitigation monitoring site report from each monitor.

Site Visits During the Quarter

Three site visits were performed by UltraSystems during the April to June 2023 quarter in order to observe operational site activities and determine compliance status with conditions and/or mitigation measures. They were performed on April 18, 2023; May 16, 2023; and June 21, 2023.

Definition of Terms

Compliant is defined as complying with the City and County conditions and/or mitigation measures.

Non-compliant is defined as not complying with the City and County conditions and/or mitigation measures.

Further Review Needed is defined as implementing plans (agency-approved, if required) to fully comply with a condition and/or mitigation measure. Some plans, especially vegetation, require an extended time frame, and immediate compliance is not possible.

Resolved is defined as action taken or activities completed to fully comply with conditions and/or mitigation measures.

Status Summary

This section summarizes the conditions and/or mitigation measures that were monitored during the quarterly reporting period and their respective statuses. The Sunshine Canyon Landfill Mitigation Monitoring Summary spreadsheets for the City and County show the conditions and/or mitigation measures monitored during the quarter. Also included in this report are relevant photos in Appendix II.

Compliant

The majority of the conditions and/or mitigation measures monitored were observed to be compliant. There are City and County conditions which are compliant but are noted as having corresponding comments that refer to the appendices. The Compliant with Comments section of the monitoring report provides a summary of activities being done onsite to construct or maintain facilities, and a summary of documents, reports and drawings that should be readily available onsite for monitoring reference.

Non-Compliant

During UltraSystems' site visits, no Non-Compliant conditions and/or mitigation measures were noted. Also, it must be understood that any monitoring related to landfill gas and odors are not part of the UltraSystems Monitoring Program at this time. These issues are currently being handled by a multi-agency team, which is led by the South Coast Air Quality Management District (SCAQMD).

Further Review Needed

The following conditions and/or mitigation measures were found not to be fully compliant but were being worked on in order to obtain full compliance. This section summarizes the

progress being made toward being fully compliant. When a condition and/or mitigation measure progresses from “FRN” to fully compliant, it is noted as Resolved in this section, and on the City and County Mitigation Monitoring Summary spreadsheets.

Q-B.2.c (City)

Ancillary Uses and Facilities. The subject property may only be used for the following uses and facilities. These ancillary uses and facilities described in the July 1997 Draft Subsequent EIR, pages 2-38 through 2-43, and may be located on the applicant's property generally in conformance with the diagram attached as Exhibit e-4, and during the life of the landfill, may be moved or relocated following commencement of landfilling operations as necessary to accommodate development of the ultimate landfill footprint.

Geology-1.07 (County)

All grading activities shall be in compliance with specific requirements provided in a comprehensive geotechnical report for the proposed Project, including provisions for excavation approved by the County Department of Public Works, the County Local Enforcement Agency (LEA) and other Responsible Agencies.

Geology-1.11 (County)

Grading allows for ancillary facilities outside of the landfill footprint.

Biota-4.29 (County)

San Diego Horned Lizard: Impact on the San Diego horned lizard can be mitigated to a level of less than significant by restoring coastal sage scrub habitat. This will create a temporal loss of the species, but the population should recover following restoration of this habitat. Topsoils should be selected that are friable to suit lizard habitat requirements.

Biota-4.30 (County)

California Gnatcatcher: Surveys shall be conducted for California gnatcatchers prior to Game Permit onsite grading to determine the status of this Game species within development areas.

Biota-4.33 (County)

Migratory Bird Treaty Act: To prevent the loss of an active migratory bird nest, vegetation shall not be cleared during the breeding season (i.e. March 15 to August 1).

Biota-4.34 (County)

Raptor nests: If habitat removal is proposed during the raptor breeding season (i.e. March to July), a survey shall be conducted for active nesting areas.

Current Status/Comment –There was no grading outside of the approved landfill development limits during the 2nd Quarter. The road realignment was not within the Sunshine Canyon waste fill limits but is in the CUP-approved areas for ancillary uses. The road realignment also included a new sedimentation basin and the removal of a portion of the existing terminal basin and the westside inlet channels to the basin. This was in preparation for the construction of a final toe berm. The completion of these improvements is scheduled for 2023. Grading up the canyon from the terminal basin was occurring. The JTD City/County CUP condition 1.18 requires that all alluvium soils be removed prior to filling with compacted soils. Alluvium removal is to be verified by a qualified geologist. Alluvial water was being collected in a temporary basin. The location where the water was being discharged to was not able to be determined. Soil was being moved by scrapers from the new access road stockpile to the toe berm location. Trucks were also bringing imported soil directly

to this same location. It looks like this soil placement and grading is being done to construct the foundation of the final buttress. No drawings were available for review. No soil testing or compaction of the soil was seen, except for scrapers traveling on the soil to compact it. The Terminal Basin's damaged outlet riser discharged water containing sediment, rocks and debris during the 2nd Quarter. The damaged Terminal Basin outlet riser was in the process of being repaired in June. The soil quantity being trucked in was not being recorded at the scales nor by a field observer. Cells CC-4 Part 4A, 4B and 5 were the only areas accepting waste during the 2nd Quarter. ADC was being used at the active disposal areas. ADC was covered with soil on Saturdays.

Q-C.3.h (City)

The access roads extended to new fill areas shall be surfaced with recycled asphalt, aggregate materials, or soft stabilization products to minimize the length of untreated dirt.

Current Status/Comments – In the 2nd Quarter, localized dust clouds occurred on dirt roads to and on the County top deck when waste hauling transfer and packer trucks used the dirt roads going to the active waste disposal areas and when soil importation trucks were delivering soil. These temporary roads did not have rock nor recycled concrete surfacing or soil stabilizer to control dust generation. In the future, when contiguous larger cells can be used for disposal, more permanent surfaced access roads should be considered. The dust was not observed leaving the site.

Q-C.5 (City)

Graffiti removal and deterrence on building and structures in public view.

Current Status/Comments – In the 2nd Quarter, there was no graffiti observed at the landfill site.

Q-C.10.c (City)

The operator shall submit, as part of its annual report, an evaluation of the feasibility of beneficial uses of the landfill gas collected at the site such as landfill-gas-to-energy.

Odor/Landfill Gas - 7.07 (County)

The permittee will recover and sell as much gas as is technically and economically feasible to reduce total air quality emissions from the landfill operations. It is expected that the technical and economic feasibility of commercial recovery and sale of landfill gas as a renewable energy resource will occur at levels below 40 MMCFD. The gas collection system will be installed in increments to allow for maximum gas recovery.

Gas - 52 (County)

To the extent technically and economically feasible, the Permittee shall use Landfill gas for energy generation at the Facility or other beneficial uses, rather than flaring, and shall obtain all applicable local, state, and/or federal approvals for any such use. Notwithstanding the foregoing, the Permittee shall be exempt from this Condition No. 52 if, as a 'part of its annual report required by Part X of the IMP, the Permittee determines that any such activity or project is infeasible, which determination shall be subject to the review and approval of the Director of Public Works.

The Permittee shall also install and maintain a landfill gas collection system complying with SCAQMD requirements, which uses best available control technology to control the lateral migration of gases to the satisfaction of the Director of Public Works, County LEA, and SCAQMD. In addition to the other requirements of this Condition No. 52, Landfill gas flares shall be installed below the adjacent interior

ridges of the site, unless otherwise required by the SCAQMD, and the flames shall be totally contained within the stacks. Flame arrestors shall be provided to the satisfaction of the County Forester and Fire Warden.

Current Status/Comments – In mid-April, the gas-to-energy plant was using 6783 SCFM of recovered landfill gas. Flare 1: 1977; Flare 3: not accessible; Flare 9: not operating; Flare 10: 2881 SCFM; Flare 11: 2927 SCFM. The total volume of landfill gas being recovered and flared from flares that we could access was 14,568 SCFM.

In mid-May, the gas-to-energy plant was using 8725 SCFM of recovered landfill gas. Flare 1: 2048; Flare 3: not accessible; Flare 9: 2465; Flare 10: 2471; Flare 11: not operating SCFM. The total volume of landfill gas being recovered and flared from flares that we could access was 15,709 SCFM.

In late June, the gas-to-energy plant was down for maintenance. Flare 1: 2251 SCFM; Flare 3: 2414 SCFM; Flare 9: 2542 SCFM; Flare 10: 2487 SCFM; Flare 11: 2549 SCFM. The total volume of landfill gas being recovered and flared was 12,243 SCFM.

Throughout the 2nd Quarter, the monthly average quantity of landfill gas being recovered was 14,174 SCFM, with the gas-to-energy plant monthly average usage of 7754 SCFM. Republic has stated that they are pursuing options for using the excess recovered gas that is now being flared.

T-4 (City)

Prepare a plot plan ["fire plan"] to the satisfaction of the Fire Department.

a. immediate access fire plan [now]

b. plot plan for the future facilities will be submitted when these are implemented

Fire Service - 12.03 (County)

The permittee shall maintain onsite fire response capabilities, construct access road, provide water tanks, water mains, fire hydrants and fire flows and perform brush clearance to the satisfaction of the County Forester and Fire Warden. The landfill will comply with all applicable County codes and ordinances which delineated the requirements for fire access, water mains, fire flows and fire hydrants, specifically defined by the County Fire Department. New construction water tanks, water mains and fire hydrants will be completed to meet the fire flow requirements of the Fire Department.

Current Status/Comments – An updated fire plan showing the new locations of all facilities and normal and emergency ingress and egress should be prepared and sent to the local City fire department station and City and County planning now that the office facilities have been moved to the new location and the realignment of the main access road and toe berm are under construction. Emergency egress should be posted for employees and customers. When the toe berm and main access road's construction are completed and they are in use, a revised fire plan should be submitted to the City and County agencies.

M-4.1.1(2) (City)

Areas outside of and above the cut and fill as shown on the conceptual grading plan shall not be graded, except for the development of ancillary facilities or other related improvements. Additional grading may be necessary for slope stability or drainage purposes. Prior to undertaking any grading activities, the Department of Building and Safety shall be notified and approve any additional grading based on engineering studies (in accordance with CCR Title 27) provided by the project proponent and independently evaluated by the Department of Building and Safety.

M-4.1.1(4) (City)

Grading that allows for construction of ancillary facilities outside of the landfill footprint or that has the potential to impact property beyond the boundary of the landfill shall be approved by the Department of Building and Safety.

M-4.1.1(5) (City)

All grading activities shall be in compliance with specific requirements provided in a comprehensive geotechnical report prepared specifically for the proposed project, including provisions for excavation approved by the Department of Building and Safety, City Engineer, City LEA and other Responsible Agencies.

M-4.1.5(12) (City)

Geologic Hazards - Liquefaction

Alluvium in the canyon bottoms beneath the footprint of the waste containment system and beneath ancillary structures shall be excavated and, if necessary, replaced with compacted structural fill during construction. A qualified geologist shall be onsite during construction activities to observe removal and replacement of alluvium and verify that all alluvium within the landfill footprint has been removed prior to placement of any compacted fill or construction of any containment system elements.

M-4.14.1(155) (City)

Construction of the realigned access roadway shall not exceed 15 percent in grade. An access road shall be constructed and maintained around the working area of the landfill for emergency access for firefighting equipment.

Geology-1.07 (County)

All grading activities shall be in compliance with specific requirements provided in a comprehensive geotechnical report prepared specifically for the proposed Project, including provisions for excavation approved by the County Department of Public Works, the County Local Enforcement Agency (LEA) and other Responsible Agencies.

Current Status/Comments – There was no grading outside of the approved landfill development limits during the 2nd Quarter. Grading for the main access road realignment in the small valley south of the current main access road had minimal work being done in the 2nd Quarter due to wet soil conditions. The construction plans and supporting geotechnical reports for the access road realignment project were reviewed and approved by City Planning and the City Building Department. They also approved brush and tree clearance and hillside grading. The technical reports and detailed plans were not available for review by the monitor. Compliance with County Geology - 1.07 was not able to be verified by the monitor. The rainwater control system for the new access road and sedimentation basin had uncontrolled rainwater impacts on the Gas Company's facility and San Fernando Road. How and where the new basin will discharge rainwater was not provided. Construction of the toe berm base required modifications to be done to the existing rainwater control system. This in turn reduced the rainwater handling capacity at the Terminal Basin. There were large back-to-back rain events that caused extremely high-water flows and water velocity which damaged a water outlet riser in the terminal basin. Sediment, rocks and debris were discharged into the County flood control channels during the whole 2nd Quarter.

M-4.1.4(11) (City)

An operations checklist shall be used by a registered engineering geologist for surveys following all earthquake events measuring 5.0 on the Richter Scale or greater near the project site. A comparison of operating parameters and site conditions before and after major earthquake events shall be made to

verify that systems are operational as designed. Final designs for major engineered structures shall be based on the results of the detailed stability analyses of potential seismic events.

Geology-1.16 (County)

An operations checklist will be used by a certified engineering geologist, registered civil engineer, or licensed surveyor for surveys following all earthquake events of 5.0 magnitude or greater.

Current Status/Comments – There were no earthquakes of 5.0 magnitude or greater in the area during the 2nd Quarter.

M-4.1.1(6) (City)

Revegetation and erosion control procedures on all exposed slopes shall be implemented. The erosion controls to be implemented at the site shall include soil stabilization measures and revegetation in accordance with the approved revegetation plan as approved by the City Building and Safety Department. Interceptor ditches shall be designed to divert storm runoff to a sedimentation basin.

M-4.2.11(23) (City)

Disturbed areas shall be revegetated with an interim ground cover as specified in the proposed revegetation program. Excavation will proceed in a manner to reduce the number of graded areas at any given time.

M-4.2.12 (28) (City)

Site Erosion

c. A temporary vegetation cover shall be established on all slopes that are to remain inactive for a period longer than 180 days.

d. An SCAQMD approved soil stabilization (sealant) product shall be used to retard soil erosion and enhance revegetation. Soil sealant shall be applied when necessary to selected working areas of the landfill. The sealant will also be used as a binder or tackifier to hold seen during revegetation mulch, and fertilizers in-place until grasses become establish and stabilize on the landfill surface.

Geology-1.13 (County)

Revegetation and erosion control of all exposed slopes will be an ongoing process. The erosion controls to be implemented at the site will include soil stabilization measures and revegetation in accordance with the approved Revegetation Program. The installation of interceptor ditches shall be designed for the diversion of storm runoff to sedimentation basins. Sediment traps will be used at points of runoff concentration along the perimeter of exposed slopes surfaces.

Condition: Approval of drainage plan. Retention of a consulting horticulturalist/Registered Professional Forester and an independent qualified biologist by the permittee for ongoing supervision of revegetation programs. Review and monitoring of planting programs by County Forester.

Geology-1.14 (County)

To prevent soil erosion on the face of the landfill, interim vegetation measures will be taken after placement of the temporary soil layer (even though the area may be disturbed by future filling operations). Vegetative cover will be placed as in the approved Revegetation Program.

Condition: Retention of a consulting horticulturalist/Registered Professional Forester and an independent qualified biologist by the permittee for ongoing supervision of revegetation programs. Review and monitoring of planting programs by County Forester.

Biota – 4.42 (County)

Areas inactive for 180 days or longer will be planted with interim vegetation as approved by County biologist. Records will be kept to track fill areas of the site which are transferred to an inactive status so that appropriate dust control and revegetation measures can be implemented.

Air Quality - 6.02 (County)

Dust Control will also be accomplished through the temporary revegetation of the landfill surface. A temporary revegetation of the landfill surface, and a temporary vegetation cover will be established on all slopes that are to remain inactive for a period longer than 180 days. Specifications of temporary revegetation measures will be provided in the Revegetation Plan submitted to the County biologist for approval, the Closure and Postclosure Maintenance Plans, the Condition Use Permit, and Conditions of Project Approval.

Visual-10.08 (County)

Cover/Revegetation Requirements

The permittee shall comply with the following cover and re-vegetation requirements at the Landfill:

(1). The permittee shall apply a temporary hydroseed vegetation cover on any slope or other Landfill area that is projected to be inactive for a period greater than 180 days, as set forth in the IMP. The permittee shall promptly notify the County LEA and the Department of Public Works of any such slope or area;

Revegetation Requirements

(5) Notwithstanding the foregoing, the permittee shall not be bound by the previous provisions of this Condition No. 44, but instead by the requirements of the County LEA, so long as the Limits of Fill are not exceeded, if in consultation with the Department of Public Works, the County LEA determines that a different re-vegetation design or plan:

(1) would better protect public health and safety;

(2) would enable revegetation of the final slopes at least as well as shown in Exhibit "B" described in subsection D, above; and/or experts, including an independent, qualified bio (3) would be required because the minimum standards adopted by the CIWMB have been amended;

(6) the permittee shall employ an expert or biologist, to satisfy this Condition No. 44. Soil sampling and laboratory analysis shall be conducted in all areas that are required to be re-vegetated before any re-vegetation occurs to identify chemical or physical soil properties that may adversely affect plant growth or establishment. Soil amendments and fertilizer recommendations shall be applied and plant materials selected, based on the above referenced testing procedures and results. To the extent possible, plant types shall blend with species indigenous to the area, be drought tolerant, and be capable of rapid growth. The selected plants shall not include nonindigenous species that are likely to be invasive of adjacent natural areas.

Biota - Revegetation - 44.A (County)

A. The Permittee shall apply a temporary hydroseed vegetation cover on any slope or other Landfill area that is projected to be inactive for a period greater than 180 days, as set forth in the IMP. The Permittee shall promptly notify the SCL-LEA and the Department of Public Works of any such slope or area.

Revegetation - 44.F/44.F CUP (County)

F. The Permittee shall employ an expert or experts, including an independent, qualified biologist, to satisfy this Condition No. 44. Soil sampling and laboratory analysis shall be conducted in all areas that are required to be re-vegetated before any re-vegetation occurs to identify chemical or physical soil properties that may adversely affect plant growth or establishment. Soil amendments and fertilizer recommendations shall be applied and plant materials selected, based on the above-referenced testing procedures and results. To the extent possible, plant types shall blend with species indigenous to the

area, be drought tolerant, and be capable of rapid growth. The selected plants shall not include non-indigenous species that are likely to be invasive of adjacent natural areas.

Current Status/Comments – During the 2nd Quarter, Closure Turf was being maintained, and gas and liquid recovery systems under the turf were performing well. This cover material was in lieu of vegetation on the south-facing slopes, and controlled and eliminated dust and erosion. The areas where the County top deck stockpile soil was removed, which had isolated deep depressions, had prior significant ponding from rain events and were being filled and graded. Revegetation by hydroseeding was not performed on any inactive fill areas.

M-4.1.1 (7) (City)

Prior to the initiation of grading activities, the project proponent shall undertake, if necessary, reabandonment procedures as required by the California Department of Conservation, Division of Oil, Gas, and Geothermal Resources.

Current Status/Comments – The old, abandoned oil well casing adjacent to the new secondary access road from the Flare 11 site was not reabandoned. An evaluation of the need to reabandon this well should be done. This well was not leaking oil or gas and did not pose a current hazard. It is well beyond the approved landfill limits but inside the ridgeline of Sunshine Canyon.

M-4.1.6 / 18 (City)

Survey monuments shall be installed around the perimeters of the outer fill areas at points where they would not be subject to disturbance by landfill development and marking the 500-foot setback from the more restrictive zone. The exact spacing, location, and characteristics of the survey monuments shall be submitted to and approved by the City Local Enforcement Agency (LEA).

Current Status/Comments – The landfill perimeter boundary survey PVC marker pipes have been removed in areas where Edison pole grading took place, near the Flare 11 site pad grading and near the CC-4 Part 3 buttress. All PVC boundary markers need to be verified and replaced if missing.

M-4.2.13/29, 30, 32, 33, 34 (City)

The natural biological processes that generate odors in a landfill through anaerobic decomposition cannot be prevented or avoided. However, the LFGs shall be prevented from escaping to the atmosphere through the use of control measures. These measures include using daily and intermediate cover material over deposited wastes, filling any surface cracks with clean dirt as necessary, and extracting LFG through the use of an LFG collection and recovery system and destroying collected gases by combustion.

Operational techniques shall be utilized to control odor sources at the landfill. The size of the working face shall be limited so that the area of waste exposed to the atmosphere is kept to a minimum.

The LFG collection and recovery system shall be installed in phases as each portion of the landfill site is filled. The final system shall contain a network of gas extraction wells, collection system piping, and flaring facilities. Because the LFG generation begins at lower levels of volume and increases during the landfill site life, the gas will be flared initially until sufficient quantities are available for processing into electricity.

If an odor problem should develop, appropriate control measures shall be implemented. These measures include the application of additional dirt daily cover material or more frequent application of the cover material to seal the landfill surface, or adjustments to the wells, equipment, and operation of the LFG collection and recovery system.

To ensure that odors are kept to a minimum, the following odor/LFG monitoring program shall be implemented for the proposed landfill project. The monitoring program shall comply with the requirements of SCAQMD Rule 1150.1 and include:

- a. *Sample Probe Installation: One monitoring probe per 1,000 feet or as identified by South Coast Air Quality Management District (SCAQMD) and/or Local Enforcement Agency (LEA) in the landfill expansion, and one probe per 650 feet or as identified by SCAQMD and/or LEA in the City Inactive landfill along the landfill perimeter, or whichever is more restrictive shall be installed to identify potential areas of subsurface landfill gas (LFG) migration. These probes shall be monitored to ensure that quantities of LFG beyond regulatory standards do not vent offsite through subsurface soils.*
- b. *Integrated Landfill Surface Sampling: The landfill surface shall be monitored to ensure that the average concentration of total organic compounds over the landfill surface does not exceed SCAQMD's standard of 25 ppm.*
- c. *Ambient Air Samples: 24-hour integrated gas samples and required meteorological data shall be taken to assess any impact the landfill is having on the ambient air quality at the landfill perimeter.*
- d. *Instantaneous Landfill Surface Monitoring: Spot checks on the landfill surface shall be made to determine the maximum concentration of total organic compounds measured as methane, measured at any one point on the surface of the landfill does not exceed the SCAQMD's standard of 500 ppm.*
- e. *Regular Monitoring and Annual Testing: LFG concentrations at perimeter probes, gas collection system headers, the landfill surface, and in ambient air downwind of the landfill shall be monitored once per month or less frequently (but no less than quarterly) as required by the SCAQMD. The LFG collection system shall be adjusted and improved based on quarterly monitoring data and annual stack testing results.*

Odor/Landfill Gas - 7.06 (County)

If an odor problem should develop, appropriate control measures shall be implemented. These measures include the application of daily cover material or more frequent application of the cover material to seal the landfill surface, or adjustments to the wells, equipment, and operation of the LFG collection and recover system.

Amendment 45.N - 4.a, 4.c, 4.d (County)

Identify and provide status on the measures currently being implemented as required by the AQMD's Order for Abatement.

An odor patrol program, which would include the following at a minimum:

- *Provide a trained technician to conduct odor patrols in the surrounding neighborhoods at a frequency of one patrol per hour from 6 a.m. to 10 a.m., Monday through Saturday, and during adverse wind conditions.*
- *If odor is detected, identify its potential and/or actual source, including those that may not be related to the Landfill's operation, such as an odorous trash dumpster or transfer trucks.*
- *If odor is determined to be related to the Landfill's operation, take immediate action to reduce the odor. Document the streets patrolled on a map, time of the patrol, potential source of odor, and immediate actions taken by the Landfill.*
- *A landfill gas mitigation plan in preparation for the next rainy season since landfill gas emissions from either the landfill surface or landfill gas control equipment is cited as a potential contributor in the AQMD's Order for Abatement. The plan should include the following at a minimum:*
 - *Description of the site's current Gas Monitoring and Control Plan, including a map showing locations of gas monitoring probes, gas extraction wells, horizontal and vertical gas collection lines, etc.*
 - *Compliance history of the site's landfill gas migration control program from January 1, 2009, to the present quarter as well as any corrective actions.*
 - *Discuss the impacts of the most recent heavy rains on the landfill gas collection system, including identifying locations of damage due to soil erosion, as well as any corrective actions or mitigation measures.*
- *A work plan that includes preventive measures, such as identifying and filling any surface cracks and installing additional extraction wells, as well as contingency measures.*

- *An implementation schedule for the above work plan.*

Amendment 45.N - 5 (County)

Include in the Quarterly Dust and Odor Reports, which are required by CUP Condition No. 45.N, the status and effectiveness of mitigation measures 1 through 3 above, and the Odor Mitigation Plan.

Current Status/Comments – Compliance with these mitigation measures, concerning landfill gas monitoring and odor control and detection, is being monitored by a multi-agency team led by the SCAQMD. Only obvious gas emission sources, odorous operations related to gas and/or gas and landfill liquids, lack of cover, or exposed trash resulting in odors detected during the monitoring visits are reported in the monitors' site report.

On our random days of site visits during the 2nd Quarter, there were no landfill odors detected in the adjacent neighborhoods. There were liquid stains on Balboa near Woodley and at the incline down San Fernando in May and June. There was a slight trash odor at each location.

The use of Closure Turf to seal inactive filled areas and function as intermediate cover also provided enhanced gas and liquids recovery and gas-related odor control. There were no gas or liquids odors detected coming from the Closure Turf areas.

M-4.3.1(37) (City)

As development of the site proceeds, surface drainage systems shall be maintained so that surface runoff is diverted away from working slopes and isolated from landfilled refuse. Onsite drainage channels would be designed per CCR, Title 23, Division 3, Chapter 15, Article 3, §2533(C), and County of Los Angeles Public Works Department, Flood Control Division requirements.

Surface Water - 2.03 (County)

As development of the site proceeds, surface drainage systems shall be maintained so that surface runoff is diverted away from working slopes and isolated from landfilled refuse. Onsite drainage channels would be designed per CCR, Title 23, Division 3, Chapter 15, Article 3, §2546(C), which mandates the requirements for a capital storm event (100-year 24-hour precipitation).

M-4.3.1(38) (City)

Permanent bench drainage ditches shall be installed when final cover is placed on completed portions of the landfill. These ditches shall be lined. Temporary unlined drainage facilities consisting of diversion ditches (V-ditches) where necessary shall directly intercept natural surface runoff. Any intermittent channel flow in the existing canyon bottom shall be captured, channeled, and conveyed into a sedimentation basin. Diversion ditches shall convey surface runoff from the undisturbed areas to the permanent perimeter ditches for safe transport around the landfill footprint. Surface covers of various types, from mulches to vegetation, shall be used to retard erosion from areas of disturbance. In addition, areas of disturbance shall be kept at a minimum during active filling operations.

Surface Water - 2.12 (County)

Permanent bench drainage ditches shall be installed when final cover is placed on completed portions of the landfill. These ditches shall be lined. Temporary unlined drainage facilities consisting of diversion ditches (V-ditches) where necessary shall directly intercept natural surface runoff. Any intermittent channel flow in the existing canyon bottom shall be captured, channeled, and conveyed into a sedimentation basin. Diversion ditches shall convey surface runoff from the undisturbed areas to the permanent perimeter ditches for safe transport around the landfill footprint. Surface covers of various

types, from mulches to vegetation, shall be used to retard erosion from areas of disturbance. In addition, areas of disturbance shall be kept at a minimum during active filling operations.

Current Status/Comments – It is assumed by UltraSystems that the permanent drainage V-ditches and channels are designed in accordance with the referenced regulations. The design drawings and engineering reports should be available for review and use.

Surface drainage systems were in place to intercept or divert rainwater away from prior landfill cells and current filling operations. Most of these were temporary systems in active areas, and most conveyance V-ditches were unlined. The construction of the final toe berm and main access road realignment project is ongoing. This is a two-year project and includes a new basin, modification of the terminal basin, and the construction of new drainage channels, and possibly a new upstream basin from the terminal basin. The road realignment will entail the construction of a new main access road, a 350,000-cubic-foot sedimentation basin, drainage improvements in the ravine south of the current entrance, and modifications to the terminal basin's size and inlet sources. The design plans, design details and engineering calculations were submitted to the City for permit approval. The design plans and engineering reports were not available for review by the monitor nor submitted to the LACDPW for approval. Compliance with Surface Water - 2.03 could not be verified. An engineering evaluation of the total site's surface drainage system should be done which reflects the current system's modifications. Onsite drainage channels should be designed per CCR, Title 23, Division 3, Chapter 15, Article 3, Section 2533(C), and County of Los Angeles Public Works Department, Flood Control requirements.

M-4.3.1(39) (City)

As filling operations progress upward in elevation and laterally across the canyon, both permanent and temporary drainage facilities shall be used to provide appropriate drainage protection. The lower elevation portions of the landfill working face shall be placed under final cover as soon as final grade is attained, and bench ditches shall be installed that will connect to adjacent, permanent perimeter ditches. These ditches shall connect directly to the temporary diversion drainage ditches that will protect the active landfill areas from natural surface runoff.

M-4.18 / 178 (City)

The maximum permitted elevations for the landfill shall not be allowed to be exceeded at any time during landfill development and shall be verified through survey control points.

Current Status/Comments – A site map showing areas that are at the final elevations and which should have final cover should be available for review. A map showing other filled elevations should also be available onsite for review. Stockpiled soil should also be indicated in recorded elevations.

M-4.3.1(40) (City)

In order to monitor the effectiveness of those measures designed to prevent pollution from entering the offsite stormwater system, the project proponent shall be required to apply for coverage under the SWRCB General Construction Activities Stormwater Permit Programs.

M-4.3.1(45) (City)

An erosion control plan would be implemented by the project proponent to prevent stormwater pollution from construction activity. Construction materials, equipment and vehicles would be stored or parked in areas protected from stormwater runoff. Construction material loading and unloading would be in designated areas to minimize any washout due to stormwater runoff. Pre-construction controls would be implemented to include the use of a sandbagging system, including sandbag check dams and

sandbag desilting basins, which would be used to limit runoff velocities and minimize sediment in stormwater runoff.

Surface Water 2.14 (County)

An erosion control plan would be implemented by the project proponent to prevent stormwater pollution from construction activity. Construction materials, equipment and vehicles would be stored or parked in areas protected from stormwater runoff. Construction material loading and unloading would be in designated areas to minimize any washout due to stormwater runoff. Pre-construction controls would be implemented to include the use of a sandbagging system, including sandbag check dams and sandbag desilting basins, which would be used to limit runoff velocities and minimize sediment in stormwater runoff.

Current Status/Comments – In the 2nd Quarter, surface drainage systems were in-place to intercept or divert rainwater away from prior landfill cells and current filling operations. Most of these were temporary systems in active areas, and most conveyance V-ditches were unlined. Erosion control plans should have been developed and implemented. The erosion control plans should be available for City and County agencies and monitor's review. The monitor did not have access to these plans. The implemented plans were not adequate to control the volume of water from the large back-to-back rain events that occurred. Failure to control the rainwater volume caused soil washouts and damage to the terminal basin's southern outlet riser.

M-4.3.1(41) (City)

The surface water collection system shall be designed to collect runoff and collect/retain suspended solids. Water leaving the sedimentation basins shall be monitored in accordance with NPDES requirements.

M-4.3.1(43) (City)

Sediment shall be cleaned out of the sedimentation basins after every significant storm.

Surface Water 2.10 (County)

The surface water collection system shall be designed to collect runoff and collect/retain suspended solids. Water leaving the sedimentation basins shall be monitored in accordance with NPDES requirements. Sediment shall be cleaned out of the sedimentation basins after every significant storm.

Current Status/Comments In the 2nd Quarter, none of the basins or channels were cleared of sediment. Major modifications were made to the terminal basin and its inlet channels. No hydrology reports were available to the monitor or the City and County agencies. The damaged Terminal Basin outlet riser was in the process of being repaired. Sediment, small rocks and debris was still being discharged into the outlet channel to the County flood control drainage system.

M-4.3.1(46) (City)

A preventive maintenance program would be implemented by the project proponent, including inspection of facility equipment, systems, and stormwater management devices to detect conditions that may cause breakdowns or failures resulting in discharge of materials into stormwater. This program applies to the onsite drainage ditches; rip-rap; berms and dikes; dust control; silt fences; diversion grading; and pavement surfaces. Each system and piece of stationary equipment would be inspected monthly. Procedures for inspection would vary, due to the piece of equipment or system. However, the major elements of the inspection program would include checking for cracks or structural failures, inspecting parts or pieces of equipment nonfunctioning, checking for the degradation or deterioration of operating units, and investigating the need for cleaning or emptying units. A summary report of these

monitoring results and the corrective actions taken will be disseminated in each newsletter with a more detailed report on the website and in the annual report.

Surface Water 2.15 (County)

Surface Water Preventive Maintenance Program

A preventive maintenance program will be implemented by the permittee, including inspection of facility equipment, systems, and stormwater management devices to detect conditions that may cause breakdowns or failures resulting in discharge of materials into stormwater. This program applies to the onsite drainage ditches, rip-rap, berms and dikes, dust control, silt fences, diversion grading, and pavement surfaces. Each system and piece of equipment will be inspected monthly.

Procedures for inspection would vary based on the piece of equipment or system. However, the major elements of the inspection program will include checking for cracks or structural failures, inspecting parts or pieces of equipment nonfunctioning, checking for the degradation or deterioration of operating units, and investigating the need for cleaning or emptying units.

Current Status/Comments – A preventative maintenance program with inspection of facility equipment, systems and stormwater management devices to detect conditions that may cause breakdowns or failures resulting in discharge of materials into stormwater should be performed on a monthly basis, with a summary report issued on a quarterly basis. These reports have been reviewed prior to COVID-19 restrictions and were available at the landfill's main office.

In the 2nd Quarter, it was observed that vegetation was growing out of numerous cracks in the water retention basins and drainage conveyance channels' concrete. There were areas of the channels and basins that needed the growing vegetation to be removed, and repair of the concrete and sealing of cracks. These clean-up and maintenance tasks are put on the monthly preventative maintenance program work list. The concrete drainage channel's wall south of Basin B has the soil supporting the wall washed being away by rain. The concrete wall is compromised by not stopping water from flowing into the back of the wall. Areas of the wall are cracked and are moving.

M-4.3.2(50) (City)

The LCRS shall be installed at the base and side slopes of the landfill. This system shall be designed and installed to collect generated leachate for disposal consistent with LARWQCB requirements. The collection system shall consist of a filter rock blanket embedded with a system of collection pipes or a blanket embedded with a system of collection pipes or geosynthetic alternative that collects and transports the fluid to a holding tank. In accordance with RCRA, Subtitle D, 40 CFR, Part 258, the collection systems shall be designed to limit the hydraulic head on the liner to less than 12 inches. Collection pipes shall be sized and spaced to reduce the hydraulic head in the leachate collection system as specified in WDRs. Leachate shall be recovered and treated onsite. The treated leachate shall be sampled prior to discharge from the holding tank in accordance with the WDRs to determine suitability for reuse onsite per LAWRQCB requirements. Summary results of this sampling shall be disseminated in the newsletter with more detailed reporting on the website and in the Annual Report.

Current Status/Comments – The old City North top deck has a tank farm of 16 Alder storage tanks for processing recovered leachate and condensate, with a double-wall pipeline to the sewer connection at the entrance near San Fernando Road. This system operated with no odors detected at the tank farm or the sewer connection during the 2nd Quarter. Tank farm liquids were being treated with 30% hydrogen peroxide at the tank farm and at the sewer connection.

M-4.4.1(60) (City)

Venturan Coastal Sage Scrub

A detailed conceptual mitigation plan shall be prepared by the project proponent and contain specific information on planting, maintenance, and monitoring. A revegetation plan that includes Coastal sage scrub restoration can feasibly occur onsite. The implementation of this plan will provide onsite mitigation greater than 1:1 to offset the loss of coastal sage scrub.

Biota - 4.27 (County)

Venturan Coastal Sage Scrub: A detailed conceptual mitigation plan shall be prepared by the permittee and shall contain specific information on planting, maintenance, and monitoring. A revegetation plan that includes coastal sage scrub restoration can feasibly occur onsite. The implementation of this plan will provide onsite mitigation greater than 1:1 to offset the loss of coastal sage scrub.

Current Status/Comments – During the 2nd Quarter, City sage mitigation areas decks B and C were being maintained by the removal of non-native vegetation. Native vegetation was doing well. Bare spots are being filled in from planted native plants. The condition of the PM-10 oak trees was still being evaluated by Republic's consulting biologists. The yearly mitigation tree status report was being prepared. There was a substantial amount of dead PM-10 trees observed by the monitor. A schedule for replacement is waiting for the biologist's report to be issued. There was no activity on the County sage mitigation area. Native plants were doing well in the County sage area, repopulating in the areas where they naturally came back. No mitigation revegetation activity was done for this area in the 2nd Quarter.

M-4.4.3/72 (City)

Native tree species shall be replaced at a 2:1 (replacement: removal) ratio, consisting of 15-gallon or 5:1 3-gallon container trees. Mitigation trees shall be planted prior to impacted trees being removed, thus allowing trees to grow to specimen size in the field. A specimen-size tree shall be defined as a 15-gallon tree with a minimum trunk caliper of 1-inch measured 1-foot above ground. All mitigation trees shall be specimen size within 1 year after tree removal.

Biota - 4.10 (County)

The permittee shall comply with all terms and Conditions of Oak Tree Permit No. 86-312-(5). The permittee is authorized to remove oak trees within the project areas as necessary to conduct landfill operations authorized by this grant and subject to the requirements of Part VII of the Implementation and Monitoring Program attached to Oak Tree Permit 86-312-(5). Prior to approving any excavation of more than five acres containing significant stands of oak and/or Douglas fir trees, the Director of Public Works shall confer with the Los Angeles County Forester and Fire Warden.

Current Status/Comments – An updated mitigation tree report evaluating the impacts of the Saddleridge Fire and other impacts has not yet been issued. The number and type of trees that will need to be replaced will be addressed in the report.

M-4.4.2/69 (City)

Potential candidate mitigation sites have been identified by the project proponent in conjunction with resource agencies for consideration to compensate for impacts on riparian and wetland resources as a result of project development. These sites include Bull Creek, Bee Canyon and East Canyon, which are located proximate to the project site. Prior to the development of any detailed mitigation plans and drawings, the final selection will be determined cooperatively by the CDFW, Corps, SWRCB, and other regulatory agencies in conjunction with the City and project proponent.

Current Status/Comments – The status on providing offsite wetland and riparian mitigation has not changed in the 2nd Quarter. The City was proceeding with writing and adopting an ordinance to allow the wetlands and riparian mitigation to be created in the Chatsworth Reservoir. All environmental analysis has been completed. Republic stated that there has been no progress in finalizing and adopting the ordinance. Since the COVID-19 pandemic, progress had been suspended. The delay in the issuance of the City ordinance is delaying any progress in creating the required wetlands and riparian mitigation. Time extension letters from the US Corps of Engineers and the California Department of Fish and Wildlife were in place for 2019. New extension letters were not obtained since then. The feasibility of the Chatsworth Dam mitigation site needs to be evaluated as still being a potential mitigation site.

M-4.9.3(110) (City)

Landfill employees shall watch for any illegal dumping activities on or around the project site. The landfill litter control crew shall provide cleanup service for areas within one mile of the project site. The phone number where this service will be requested will be provided in the quarterly newsletter and on the website.

Current Status/Comments – In the 2nd Quarter, there was no litter or illegal dumping observed in the adjacent neighborhood. There was illegal dumping on Sierra Highway.

M-4.9.4(125) (City)

The landfill operator shall maintain perimeter fencing in and around the site in accordance with CCR, Title 14, § 17658 to discourage illegal entry to the landfill. Where existing topography conditions create an effective barrier, no perimeter fencing shall be installed. Entrance and access gates shall remain locked when the landfill facility is not in operation. All existing perimeter fencing shall be inspected on a routine basis by the landfill operator, and necessary repairs shall be made to ensure a continued deterrent for unauthorized entry to the project site. Additionally, the landfill operator shall maintain posted "no trespassing" signage at the exterior perimeter fencing nearest the project site entrance.

Current Status/Comments – During the 2nd Quarter, the north perimeter gate was observed to be not locked.

M-4.19.2(191) (City)

Prior to the commencement of initial earth excavation, specific sections of the City/County Landfill Project area shall be resurveyed as a precautionary measure to minimize potential loss of undiscovered paleontological resources. Specific sections of the project area to be resurveyed shall be as determined by the intended cut-and-fill areas proposed for landfill development. As new areas for excavation are identified by the project proponent, an evaluation of those areas shall be made based on the prior survey results and consultation with appropriate technical specialists.

Ecological Significance 62 (County)

The Permittee shall develop and implement a program to identify and conserve all significant archaeological and paleontological materials found onsite pursuant to Part VII of the IMP. If the Permittee finds any evidence of aboriginal habitation or fossils during earthmoving activities, Landfill operations shall immediately cease in that immediate area, and the evidence and area shall be preserved until a qualified archaeologist or paleontologist, as appropriate, makes a determination as to the significance of the evidence. If the determination indicates that the archaeological or paleontological resources are significant, the resources shall be recovered to the extent practicable prior to resuming Landfill operations in that immediate area of the Landfill.

Current Status/Comments – During the 2nd Quarter, the only grading in native undisturbed areas that required biological, archeological and paleontological monitoring was in the southeast ravine, where brush and tree clearance and rough grading was done for the development of the main access road realignment, and a sedimentation basin with canyon drainage improvements.

Alternative Fuel Vehicles 77.A-H (County)

As part of its annual report to the TAC required by the IMP, the Permittee shall submit an ongoing evaluation of its compliance with each component of this Condition No. 77. The Permittee may appeal the requirements of this Condition No. 77 to the Director of the Department in accordance with the procedure described in Condition No. 11 for the appeal of a notice of Violation, but only on the bases of whether a particular alternative fuel is technologically or economically feasible.

Current Status/Comments – An annual report showing the compliance with each component of Condition 77 should be prepared and submitted to the TAC.

Conclusions

In this reporting period, UltraSystems has monitored the conditions and/or mitigation measures for the City and County, as shown on the Mitigation Monitoring Summary spreadsheets.

As shown by the Non-Compliant and Further Review Needed sections above, the landfill is actively working toward being fully compliant with conditions and/or mitigation measures. Only two non-compliant conditions were observed, M-4.1.6(18) survey monuments and M-4.3.1(46) preventive maintenance. Furthermore, monitoring of the tasks on these Mitigation Monitoring Summary spreadsheets tracks progress toward being fully compliant. Notwithstanding the above, air quality compliance status is not being actively monitored by UltraSystems. Review of design plans, specifications, engineering support documents, and City-approved plans were not provided for the monitor to verify compliance with all City and County CUP conditions. The CUP conditions have special and unique construction requirements that the landfill site location requires. Access to engineering data and plans being implemented, and Hydrologist and Geologist construction reports are necessary to verify compliance with City and County CUP conditions and important construction activity.

The 2023 2nd Quarter Mitigation Monitoring Summary spreadsheets track the progress and completion of tasks as they were accomplished during this quarterly period.

Sunshine Canyon Landfill City Mitigation Monitoring Summary

(04-01-2023 through 06-30-2023)

Line #	Reference #	Mitigation #	City Mitigation Measures and Conditions Monitored by Discipline	Monitoring Frequency	First Quarter 2023												Second Quarter 2023											
					1/17/2023	Status*	Further Review Needed/Comments**	Resolved*	2/23/2023	Status*	Further Review Needed/Comments**	Resolved*	3/29/2023	Status*	Further Review Needed/Comments**	Resolved*	4/18/2023	Status*	Further Review Needed/Comments**	Resolved*	5/16/2023	Status*	Further Review Needed/Comments**	Resolved*	6/21/2023	Status*	Further Review Needed/Comments**	Resolved*
1	Project Manager																											
2																												
3																												
4	Q - A.3.		Definitions	info	/				/				/				/				/							
5	Q - A.6.		Submit Annual Reports	June yearly	/				/				/				/				/							
6	Q - A.10.		Provision of Fees	yearly	/				/				/				/				/							
7	Q - B.1.		Permitted/Prohibited Landfill Uses	yearly	/				/				/				/				/							
8	Q - B.2		Approval of Landfill	ongoing	✓	C	I-a		✓	C	I-b		✓	C	I-c		✓	C	I-d		✓	C	I-e		✓	C	I-f	
9	Q - B.2.c.		Ancillary Uses and Facilities	ongoing	✓	C	I-a		✓	C	I-b		✓	C	I-c		✓	C	I-d		✓	C	I-e		✓	C	I-f	
10			Ancillary Uses and Facilities																									
11	Q - B.2.d (3)		10 Year Phase Review	2015	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
12			10 Year Phase Review																									
13	Q - B.4.d.		Inert/Exempt Materials	info	/				/				/				/				/				/			
14	Q - B.5.a.		Prohibited Waste	info	/				/				/				/				/				/			
15	Q - B.6.		Waste Diversion	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
16	Q - C.3.g.		Paved Access Roads	ongoing	✓	C	I-a		✓	C	I-b		✓	C	I-c		✓	C	I-d		✓	C	I-e		✓	C	I-f	
17	Q - C.3.h.		Surfacing of Access Roads	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
18	Q - C.5.		Graffiti Removal and Deterrence	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
19	Q - C.10.c.		Evaluation of Beneficial Gas Usage	June yearly	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
20	Q - C.10.d. (1)		Alternative Fuel Vehicles	status																								
21	Q - C.10.d. (2)		Alternative Fuel Refuse Collection Trucks	status																								

* C = Compliant, NC = Non-Compliant, FRN = Further Review Needed, R = Resolved

** See Appendix I for Comments

Checkmark = Condition or mitigation was monitored

/ = Yearly or non-ongoing monitoring frequency

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(04-01-2023 through 06-30-2023)

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22	Q - C.12.a.		Technical Advisory Committee	info	/				/				/				/				/				/			
23	Q - C.12.c.		Contract for Mitigation Monitoring	info	/				/				/				/				/				/			
24	Q - C.12.c.		Contract for Mitigation Monitoring-5 years	info	/				/				/				/				/				/			
25																												
26	T - 4		Fire Plan	status	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
27	T - 5.j.		Trip Diversion	status	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
28	T - 6		Satisfactory Street Lighting	status	/				/				/				/				/				/			
29																												
30	M - 4.1.1	7	Reabandonment Procedures	status	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
31	M - 4.1.4	11	Post-5.0 Earthquake Analysis	upon event	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
32	M - 4.2.12	27	Heavy Equipment Operations	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
33	M - 4.2.12		Heavy Equipment Operations	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
34	M - 4.2.12	28	Site Erosion-Cover	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
35	M - 4.2.12		Site Erosion-Cell Height	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
36	M - 4.2.12		Site Erosion-Sealant	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
37	M - 4.2.13	29	LFG Control Measures	ongoing	/		I-a		/		I-b		/		I-c		/		I-d		/		I-e		/		I-f	
38	M - 4.2.13	30	Operational Odor Control Techniques	ongoing	/		I-a		/		I-b		/		I-c		/		I-d		/		I-e		/		I-f	
39	M - 4.2.13	31	Solid Waste Compaction	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
40	M - 4.2.13	32	LFG Collection and Recovery System	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
41	M - 4.2.13	33	Odor Control Measures	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	

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42	M - 4.2.13	34	Odor/LFG Monitoring	ongoing	/		I-a		/		I-b		/		I-c		/		I-d		/		I-e		/		I-f	
43			Periodic LFG Monitoring		/		I-a		/		I-b		/		I-c		/		I-d		/		I-e		/		I-f	
44	M - 4.3.2	52	LFG Migration Mitigation	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
45	M - 4.3.2	57	Dust Control Water	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
46	M - 4.4.2	69	Offsite Mitigation Sites	status	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
47	M - 4.4.2	70	Purchasing Wetland Credit	status	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
48	M - 4.4.2	71	Funding-Invasive Species Eradication Program	status	/				/				/				/				/				/			
49	M - 4.6	85	Site Lighting	status	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
50	M - 4.7.1	86	Open Space Buffer Area	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
51	M - 4.9.3	106	Litter Minimization	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
52	M - 4.9.3	107	Litter/Debris Containment	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
53	M - 4.9.3	108	Vehicle Tarping Requirements	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
54	M - 4.9.3	109	Periodic Offsite Litter Pickup	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
55	M - 4.9.3	110	Illegal Dumping Activities	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	NC	I-d		✓	NC	I-e		✓	NC	I-f	
56	M - 4.9.3	111	Radio Dispatch Litter Control	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
57	M - 4.9.3	112	Litter Control	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
58	M - 4.9.5	127	Address Concerns of Citizens' Advisory Committee	ongoing	/				/				/				/				/				/			
59	M - 4.9.6	128	Landfill Gas/Collection System-Unsafe Methane Levels Monitoring	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
60	M - 4.9.6	129	Landfill Gas/Collection System-Detection/Training	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
61	M - 4.9.6	130	Landfill Gas/Collection System-Risk Mitigation	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	

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62	M - 4.16.4	176	Reclaimed Water	status	/				/				/				/				/				/			
63	M - 4.16.4	177	Water Conservation	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
64																												
65	Civil & Geotechnical Engineer																											
66																												
67																												
68	M - 4.1.1	2	Grading Outside of Conceptual Grading Plan Area	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
69	M - 4.1.1	3	Unsuitable Material Removal/Buffer Zones	ongoing																								
70	M - 4.1.1	4	Grading Outside of Landfill Footprint	ongoing	✓	C	I-a		✓	C	I-b		✓	C	I-c		✓	C	I-d		✓	C	I-e		✓	C	I-f	
71	M - 4.1.1	5	Grading Activity Compliance	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
72	M - 4.1.2	8	Landslide Guidelines	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
73	M - 4.1.2	9	Soil Stabilization	ongoing																								
74	M - 4.1.4	10	Landfill Design	ongoing																								
75	M - 4.1.4	11	Earthquake Operations Checklist	upon event	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
76	M - 4.1.5	12	Geologic Hazards - Liquefaction	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
77	M - 4.1.5	13	Design/Construction-Liquefaction	ongoing																								
78	M - 4.1.5	14	Design/Construction-Containment Structures	ongoing																								
79	M - 4.1.6	15	Refuse Slope Gradients	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
80	M - 4.1.6	16	Cut and Fill Slope Gradients	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
81	M - 4.1.6	17	Final Slope Factors of Safety	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
82	M - 4.1.6	18	Survey Monuments	ongoing	✓	NC	I-a		✓	NC	I-b		✓	NC	I-c		✓	NC	I-d		✓	NC	I-e		✓	NC	I-f	
83	M - 4.3.2	47	Landfill Liner	ongoing																								

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84	M - 4.3.2	48	Landfill Liner	ongoing																								
85	M - 4.3.2	54	Preliminary Closure/Postclosure Plan	status																								
86	M - 4.3.2	55	Landfill Design/Operation/Final Closure Monitoring	status																								
87	M - 4.3.2	56	Cover Application	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
88	M - 4.14.1	155	Access Roadway Grade	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
89	M - 4.18	178	Landfill Elevation Exceedance	ongoing	✓	FRN	NONE		✓	FRN	NONE		✓	FRN	NONE		✓	FRN	NONE		✓	FRN	NONE		✓	FRN	NONE	
90																												
91	Hydrologist																											
92																												
93																												
94	M - 4.1.4	11	Earthquake Operations Checklist	upon event	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
95	M - 4.3.1	36	Surface Water Infiltration Minimization	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
96	M - 4.3.1	37	Surface Drainage Systems	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
97	M - 4.3.1	38	Permanent/Temporary Ditches	ongoing	✓	C	I-a		✓	C	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
98	M - 4.3.1	39	Drainage Protection	ongoing	✓	C	I-a		✓	C	I-b		✓	FRN	I-c		✓	C	I-d		✓	C	I-e		✓	FRN	I-f	
99	M - 4.3.1	40	SWRCB Permit Coverage	ongoing	✓	C	I-a		✓	C	I-b		✓	C	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
100	M - 4.3.1	41	Surface Water Collection System	ongoing																								
101	M - 4.3.1	42	Surface Water Quality Monitoring	ongoing																								
102	M - 4.3.1	43	Sediment Basin Maintenance	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
103	M - 4.3.1	44	Final Landfill Cover	ongoing																								
104	M - 4.3.1	45	Erosion Control Plan	ongoing	✓	C	I-a		✓	C	I-b		✓	C	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
105	M - 4.3.1	46	Preventive Maintenance Program	ongoing	✓	NC	I-a		✓	NC	I-b		✓	NC	I-c		✓	NC	I-d		✓	NC	I-e		✓	NC	I-f	

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106	M - 4.3.2	49	Interception of Groundwater Seepage	ongoing	✓	FRN	NONE		✓	FRN	NONE		✓	FRN	NONE		✓	FRN	NONE		✓	FRN	NONE		✓	FRN	NONE	
107	M - 4.3.2	50	LCRS/Leachate Monitoring	ongoing	✓	C	I-a		✓	C	I-b		✓	C	I-c		✓	C	I-d		✓	C	I-e		✓	C	I-f	
108	M - 4.3.2	51	LCRS Monitoring	ongoing																								
109																												
110	Biologist																											
111																												
112																												
113	M - 4.1.1	6	Slope Erosion Control	ongoing	✓	C	I-a		✓	C	I-b		✓	C	I-c		✓	C	I-d		✓	C	I-e		✓	C	I-f	
114	M - 4.2.11	23	Revegetation/Excavation	ongoing	✓	C	I-a		✓	C	I-b		✓	C	I-c		✓	C	I-d		✓	C	I-e		✓	C	I-f	
115	M - 4.2.12		Temporary Vegetation Cover	ongoing	✓	C	I-a		✓	C	I-b		✓	C	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
116	M - 4.4.1	60	Coastal Sage Scrub Mitigation Plan	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
117	M - 4.4.1	61	Coastal Sage Scrub Seeding	ongoing																								
118	M - 4.4.1	62	Mariposa Lily Mitigation Plan	ongoing	✓	C	I-a		✓	C	I-b		✓	C	I-c		✓	C	I-d		✓	C	I-e		✓	C	I-f	
119	M - 4.4.1	63	San Diego Horned Lizard Mitigation	ongoing	✓	C	I-a		✓	C	I-b		✓	C	I-c		✓	C	I-d		✓	C	I-e		✓	C	I-f	
120	M - 4.4.1	64	California Gnatcatcher Surveys	ongoing	/				/				/				/				/				/			
121	M - 4.4.1	65	Least Bell's Vireo Surveys	ongoing	/				/				/				/				/				/			
122	M - 4.4.1	66	Western Burrowing Owl Surveys	ongoing	/				/				/				/				/				/			
123	M - 4.4.1	67	Migratory Bird Treaty Act	ongoing	/				/				/				/				/				/			
124	M - 4.4.1	68	Raptor Nests Habitat	ongoing	/				/				/				/				/				/			
125	M - 4.4.3	72	Native Tree Mitigation	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
126	M - 4.4.3	73	Nonnative Tree Mitigation	status	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
127	M - 4.4.3	74	Mitigation Tree Planting	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	

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128	M - 4.4.3	75	Tree Planting Mitigation Site Prep	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
129	M - 4.4.3	76	Poultry Wire Screen	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
130	M - 4.4.3	77	Backfill Material	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
131	M - 4.4.3	78	Tree Planting Procedure	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
132	M - 4.4.3	79	Tree Area Mulching	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
133	M - 4.4.3	80	Tree Irrigation/Fertilization	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
134	M - 4.4.3	81	Irrigation System	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
135	M - 4.4.3	82	Annual Tree Monitoring Report	annual	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
136	M - 4.9.2	96	Vector Activity Monitoring	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
137	M - 4.9.2	97	Vector Elimination	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
138	M - 4.9.2	98	Fly Control	ongoing																								
139	M - 4.9.2	99	Rodent Control	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
140	M - 4.9.2	100	Operational Vector-Limiting Activity	ongoing																								
141	M - 4.9.2	101	Equipment Cleanliness/Maintenance	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
142	M - 4.9.2	102	Storage of Vector-Attracting Items	ongoing																								
143	M - 4.9.2	103	Salvaged Material Storage-Vector Control	ongoing	✓	FRN	NONE		✓	FRN	NONE		✓	FRN	NONE		✓	FRN	NONE		✓	FRN	NONE		✓	FRN	NONE	
144	M - 4.9.2	104	Periodic Vector Inspections	ongoing																								
145	M - 4.9.2	105	Implementation of Vector Control Measures	ongoing																								
146																												
147	Air Quality & Noise Specialist																											
148																												
149																												

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150	M - 4.2.11	19	Emissions Mitigation Measures	ongoing	✓	FRN	NONE		✓	FRN	NONE		✓	FRN	NONE		✓	FRN	NONE		✓	FRN	NONE		✓	FRN	NONE	
151	M - 4.2.11	19	Construction Curtailing due to Pollution	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
152	M - 4.2.11	20	Dust Lofting Minimization	ongoing																								
153	M - 4.2.11	21	Wind Speed Monitoring	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
154	M - 4.2.11	22	Grading-Dust Reduction	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
155	M - 4.2.12	24	Construction Equipment Maintenance	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
156	M - 4.2.12		Construction Curtailing due to Pollution	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
157	M - 4.2.12	25	Refuse Trucks-Maintenance	ongoing																								
158	M - 4.2.12		Refuse Trucks-Engine	ongoing																								
159	M - 4.2.12		Refuse Trucks-Fee Schedule	ongoing																								
160	M - 4.2.12		Refuse Trucks-Fee Schedule Delivery Time	ongoing																								
161	M - 4.2.12		Refuse Trucks-Idling	ongoing																								
162	M - 4.2.12		Refuse Trucks-Emissions	ongoing																								
163	M - 4.2.12	26	Truck Travel and Fugitive Dust Emissions	ongoing	✓	FRN	NONE		✓	FRN	NONE		✓	FRN	NONE		✓	FRN	NONE		✓	FRN	NONE		✓	FRN	NONE	
164	M - 4.2.12		Truck Travel and Fugitive Dust Emissions	ongoing																								
165	M - 4.2.12		Truck Travel and Fugitive Dust Emissions	ongoing																								
166	M - 4.2.12		Truck Travel and Fugitive Dust Emissions	ongoing																								
167	M - 4.5.2	83	Landfill Hours	info	/				/				/				/				/				/			
168	M - 4.5.2	84	Landfill Equipment-Noise Reduction	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
169																												
170	Hydrology, Hazardous Waste / Risk of Upset																											

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171																												
172																												
173	M - 4.3.2	53	Groundwater Monitoring Wells	ongoing																								
174	M - 4.3.2	58	Operation as Class III Landfill	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
175	M - 4.3.2	59	Underground Fuel Storage	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
176	M - 4.9.1	90	Refuse Inspection Program	ongoing																								
177	M - 4.9.1	91	Hazardous Waste Load-Checking	status																								
178	M - 4.9.1	93	Hazardous Waste Detection Training	status																								
179	M - 4.9.1	94	Spill Response Program	status	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
180	M - 4.9.4	115	Safety Inspections/Checklists	ongoing																								
181	M - 4.9.4	118	Accident/Injury reports, Inspections	status																								
182	M - 4.9.4	121	Fire Prevention Plan	ongoing	✓	FRN	NONE		✓	FRN	NONE		✓	FRN	NONE		✓	FRN	NONE		✓	FRN	NONE		✓	FRN	NONE	
183	M - 4.9.4	123	Personal Protective Equipment	ongoing																								
184	M - 4.9.4	125	Site Access/Fencing	ongoing	✓	C	NONE		✓	C	NONE		✓	FRN	I-c		✓	C	NONE		✓	C	NONE		✓	FRN	I-f	
185	M - 4.14.1	147	Fire Response Capabilities	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
186	M - 4.14.1	148	Hydrant Installation	ongoing													✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
187																												
188	Archaeologist																											
189																												
190																												
191	M - 4.19.1	183	Archaeological Resurvey	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
192	M - 4.19.1	184	Onsite Archaeologist	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
193	M - 4.19.1	185	Archaeological Resources	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	

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194	M - 4.19.1	186	Archaeological Resources	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
195																												
196	Paleontologist																											
197																												
198																												
199	M - 4.19.2	187	Paleontological Resources Resurvey	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
200	M - 4.19.2	188	Paleontological Resources Excavation	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
201	M - 4.19.2	189	Paleontological Resources Training	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
202	M - 4.19.2	190	Paleontological Resources Recovery	ongoing																								
203	M - 4.19.2	191	Paleontological Resources Inspection	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	

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1	Project Manager																											
2																												
3																												
4	Amendment 45.N - 1	45N	Daily Cover Materials	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
5	Amendment 45.N - 3	45N	Daily Cover Procedure	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
6	Amendment 45.N - 4.a	45N	Order for Abatement Status	ongoing	/		I-a		/		I-b		/		I-c		/		I-d		/		I-e		/		I-f	
7	Amendment 45.N - 4.c	45N	Odor Patrol Program	ongoing	/		I-a		/		I-b		/		I-c		/		I-d		/		I-e		/		I-f	
8	Amendment 45.N - 4.d	45N	Landfill Gas Mitigation Plan	ongoing	/		I-a		/		I-b		/		I-c		/		I-d		/		I-e		/		I-f	
9	Amendment 45.N - 5	45N	Dust and Odor Reports	ongoing	/		I-a		/		I-b		/		I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
10																												
11	Combined Site & Bridge Area -20.A	20.A	Joint Powers Authority	info	/				/				/				✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
12	Combined Site & Bridge Area -20.F	20.F	Mitigation Reporting and Monitoring Program Amendment	status	/				/				/				/				/				/			
13	Landfill Capacity - 27	27	Tipping Fees for Partial Loads/Peak Hours	status																								
14	Grading & Drainage-41.A - D	41A-D	Water Conservation	status	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
15	Revegetation - 44.F	44.F	Revegetation	status	✓	C	I-a		✓	C	I-b		✓	C	I-c		✓	C	I-d		✓	C	I-e		✓	C	I-f	
16	Fugitive Dust - 45.B	45.B	Working Face Areas	ongoing	✓	C	I-a		✓	C	I-b		✓	C	I-c		✓	C	I-d		✓	C	I-e		✓	C	I-f	
17	Fugitive Dust - 45.F	45.F	Inactive Areas Monitoring	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
18	Fugitive Dust - 45.I	45.I	Cleaning of Roads	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
19	Litter Control - 46.A - .D	46A-D	Litter Control Program	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
20	Gas - 52	52	Landfill Gas Collection System	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
21	Traffic - 57	57	Traffic Improvements	status	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
22	Traffic - 60	60	Street Light Installation	status	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
23	Traffic - 61	61	Traffic Minimization	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
24	Permittee Fees - 64 - 72	64-72	Permittee Fees	info	/				/				/				/				/				/			

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25	Permittee Fees - 69	69	Permittee Fees-Contributions	info	/				/				/				/				/				/			
26	Permittee Fees - 70	70	Permittee Fees	info	/				/				/				/				/				/			
27	Permittee Fees - 72	72	Permittee Fees	info	/				/				/				/				/				/			
28	Alternative Fuel Vehicles - 77.A	77.A	Alternative Fuel Vehicles-Light Duty	status	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
29	Alternative Fuel Vehicles - 77.B	77.B	Alternative Fuel Vehicles-Refuse/Collection Trucks	status	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
30	Alternative Fuel Vehicles - 77.C	77.C	Alternative Fuel Vehicles-Report	status																								
31	Alternative Fuel Vehicles - 77.D	77.D	Alternative Fuel Vehicles-heavy-duty, alternative fuel off-road equipment pilot program	status																								
32	Alternative Fuel Vehicles - 77.E	77.E	Alternative Fuel Vehicles-Non-diesel Requirements	status	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
33	Alternative Fuel Vehicles - 77.F	77.F	Alternative Fuel Vehicles-Non-diesel Truck Trip Requirements	status	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
34	Alternative Fuel Vehicles - 77.G	77.G	Alternative Fuel Vehicles-Clean Fuel Demo Program	status																								
35	Alternative Fuel Vehicles - 77.H	77.H	Alternative Fuel Vehicles-Compliance Evaluation	status	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
36	Air Quality Monitoring - 81	81	Air Quality Monitoring-Testing	ongoing	/				/				/				/				/				/			
37			Air Quality Monitoring-Testing																									
38	IMP - Part I.A	IMP1	Air Quality Monitoring-Testing	ongoing	/				/				/				/				/				/			
39			Air Quality Monitoring-Testing																									
40	IMP - Part VI	IMP6	Air Quality Monitoring-Testing	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
41																												
42	MMRS-12/01/06		Mitigation Monitoring and Reporting Summary	info	/				/				/				/				/				/			
43			Permits																									
44	Geology - 1.15		Permittee's On-site Solid Waste Recovery and Recycling Program	status	/				/				/				/				/				/			
45	Surface Water - 2.09		SWRCB Permit Coverage	ongoing	/				/				/				✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
46	Surface Water - 2.15		Surface Water Preventive Maintenance Program	ongoing	✓	NC	I-a		✓	NC	I-b		✓	NC	I-c		✓	NC	I-d		✓	NC	I-e		✓	NC	I-f	

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47	Groundwater - 3.13		Groundwater-LFG Migration Mitigation	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-e	
48	Groundwater - 3.14		Groundwater-Monitoring Wells	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-e	
49	BIOTA – 4.05		Annual Fee Submission for SEA Studies	status	/				/				/				/			
50	BIOTA – 4.06		Buffer Zone Maintenance as Nature Preserve	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-e	
51	BIOTA – 4.07		Buffer Zone Maintenance-Vegetation	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-e	
52	BIOTA – 4.08		Ridgeline Maintenance-Remain Undisturbed	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-e	
53	BIOTA – 4.47		Cleaning of Equipment	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
54	BIOTA – 4.48		Monitoring of Vector-Attracting Items	ongoing																
55	BIOTA – 4.49		Salvaged Material Storage-Vector Control	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-e	
56	BIOTA – 4.50		Vector Activity Monitoring	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	FRN	I-e	
57	Air Quality - 6.03		Dust Emission Minimization	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-e	
58	Air Quality - 6.04		Usage of Cut Material for Cover	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
59	Air Quality - 6.05		Operations in Accordance with SCAQMD/DOPW Requirements	info	/				/				/				/			
60	Air Quality - 6.06		Landfill Gas Control/Extraction System/Monitoring	ongoing	/				/				/				/			
61	Air Quality - 6.07		Flaring Systems	info	/				/				/				/			
62	Air Quality - 6.08		Management of Truck Arrivals	ongoing																
63	Air Quality - 6.10		Refuse Truck Mitigation	status																
64	Air Quality - 6.11		Light Duty Alternative Fuel Vehicles	status	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-e	
65	Air Quality - 6.11		Alternative Fuel Refuse Collection/Transfer Trucks	status																
66	Air Quality - 6.11		Alternative Fuel Vehicle Report Submission	status																
67	Air Quality - 6.11		Heavy-duty, Alternative Fuel Off-Road Equipment Pilot Program	status																
68	Air Quality - 6.11		Non-Diesel, Alternative Fuel Vehicles-Transfer/Collection Trucks	status																

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69	Air Quality - 6.11		Non-Diesel, Alternative Fuel Vehicles Truck Trips	status																								
70	Air Quality - 6.11		Clean Fuel Demonstration Program	status																								
71	Air Quality - 6.11		Compliance Evaluation	status																								
72	Odor/Landfill Gas – 7.01		Landfill Gas Escape Prevention	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
73	Odor/Landfill Gas – 7.02		Landfill Gas Collection System	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
74	Odor/Landfill Gas – 7.04		Gas Collection/Flare System Risk Mitigation	ongoing																								
75	Odor/Landfill Gas – 7.05		Wellhead Awareness	status	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
76	Odor/Landfill Gas – 7.06		Odor Control Measures	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
77	Odor/Landfill Gas – 7.07		Gas Recovery and Sale	status	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
78	Traffic/Circulation – 8.03		Street Light Installation	status	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
79	Traffic/Circulation – 8.04		Truck Traffic Minimization	status																								
80	Traffic/Circulation – 8.08		Tipping Fees for Partial Loads/Peak Hours	status																								
81	Traffic/Circulation – 8.10		Nighttime Landfill Operations Feasibility	status	/				/				/				/				/				/			
82	Traffic/Circulation – 8.11		Parking Management along San Fernando Road	status	/				/				/				/				/				/			
83	Traffic/Circulation – 8.13		Adequate Queuing	status																								
84	Visual – 10.03		Landfill Flare Locations	status	/				/				/				/				/				/			
85	Visual – 10.04		Confinement of Excavation Cover Material	status																								
86	Visual – 10.05		Lighting Requirements	status																								
87	Visual – 10.11		Litter Control Program	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
88	Visual – 10.11		Solid Waste Load Procedures-Improperly Covered/Contained	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
89	Visual – 10.11		Debris Removal at Entrance	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
90	Visual – 10.11		Litter Control-Fencing	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
91	Visual – 10.11		Periodic Litter Pickup	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	

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92	Visual - 10.11		Litter Control-Additional Measures	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-e	
93	Visual - 10.12		Discharge Control/Litter Recovery	status																
94	Water Conserv. - 11.01		Water Conservation	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-e	
95	Recycling - 14.01		On-site Waste Diversion/Recycling	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
96	Recycling - 14.03		Tonnage Disposal Determination	info	/				/				/				/			
97	Recycling - 14.04		Recycling-Various Tasks	info	/				/				/				/			
98			Clean Dirt Procedures																	
99	Site - 15.11		Reclaimed Water Utilization	status	/				/				/				/			
100	Site - 15.12		Water Conservation Measures	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-e	
101	Admin Rpts/Pgms - 17.4		Operation Compliance	info	/				/				/				/			
102	Admin Rpts/Pgms -17.10		Fill Sequencing Plans	status																
103	Admin Rpts/Pgms-17.15		Quarterly Newsletter	status	✓	FRN	NONE		✓	FRN	NONE		✓	FRN	NONE		✓	FRN	NONE	
104	Landfill Operation - 18.7		Graffiti Removal/Deterrent Plan	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
122																				
123	Civil & Geotechnical Engineer																			
124																				
125																				
126	Revegetation - 44.C	44.C	Cut Slope Requirements	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-e	
127																				
128	Geology - 1.01		Survey Monument Locations	ongoing	✓	NC	I-a		✓	NC	I-b		✓	NC	I-c		✓	NC	I-e	
129	Geology - 1.02		Seismic Design	ongoing																
130	Geology - 1.03		Maximum Refuse Slope Gradients	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-e	
131	Geology - 1.04		Maximum Refuse Slope Gradients	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-e	
132	Geology - 1.05		Unsuitable Material Procedures	ongoing																

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(04-01-2023 through 06-30-2023)

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133	Geology - 1.06		Grading Activities Procedures	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
134	Geology - 1.07		Grading Activities Procedures	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
135	Geology - 1.09		Outer Perimeter Ridgeline Requirements	info	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
136	Geology - 1.12		Soil Stabilization	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
137	Geology - 1.16		Checklists/Surveys Following Earthquake	upon event	✓	NA	NONE		✓	NA	NONE		✓	NA	NONE		✓	NA	NONE		✓	NA	NONE		✓	NA	NONE	
138	Geology - 1.18		Alluvium-Removal/Replacement	ongoing													✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
139	Geology - 1.19		Landfill Design/Construction	ongoing																								
140	Geology - 1.20		Landfill Design/Construction-Foundations	ongoing																								
141	Surface Water - 2.03		Surface Drainage Control Facilities	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
142	Surface Water - 2.05		Underdrain Requirements	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
143	Surface Water - 2.06		Final Cover for Surface Water Runoff Control	ongoing																								
144	Groundwater - 3.02		Liner System Requirements	ongoing																								
145	Groundwater - 3.04		Onsite Inspector for Liner Installation	ongoing																								
146	Groundwater - 3.09		Alluvium Removal	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
147	Visual – 10.01		Landfill Elevations	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
148	Visual – 10.02		Final Fill Elevations	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
149																												
150	Hydrologist																											
151																												
152																												
153	Grading & Drainage - 38	38	Installation of Drainage Structures	ongoing																								
154																												
155	Geology - 1.17		Landfill Design/Construction-Seismic	ongoing																								
156	Surface Water - 2.01		Surface Water Runoff Interception	ongoing																								

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(04-01-2023 through 06-30-2023)

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157	Surface Water - 2.02		Surface Water Runoff Collection	ongoing																								
158	Surface Water - 2.03		Surface Drainage Control-Maintenance	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
159	Surface Water - 2.04		Sedimentation Basin Capabilities	ongoing																								
160	Surface Water - 2.05		Underdrain Placement	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
161	Surface Water - 2.07		Drainage Control System Design Approval	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
162	Surface Water - 2.08		Surface Water Runoff-Drainage System	ongoing																								
163	Surface Water - 2.10		Surface Water Collection System-Monitoring	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
164	Surface Water - 2.11		Surface Water Quality-Collection/Monitoring	ongoing																								
165	Surface Water - 2.12		Permanent/Temporary Drainage Facilities	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
166	Surface Water - 2.13		Permanent/Temporary Drainage Facilities	ongoing																								
167	Surface Water - 2.14		Erosion Control Plan	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
168	Groundwater - 3.03		Interception of Groundwater Seepage	ongoing																								
169	Groundwater - 3.06		Monitoring Wells	ongoing																								
170																												
171	Biologist																											
172																												
173																												
174	Revegetation - 44	44	Revegetation/Cover Requirements	ongoing																								
175	Revegetation - 44.A	44.A	Temporary Hydroseed Vegetation	ongoing	✓	C	I-a		✓	C	I-b		✓	C	I-c		✓	NC	I-d		✓	NC	I-e		✓	NC	I-f	
176	Revegetation - 44.B	44.B	Interim Reclamation/Revegetation Plan-Sold Waste	ongoing																								
177	Revegetation - 44.D	44.D	Final Fill Slope Requirements	ongoing																								
178	Revegetation - 44.E	44.E		ongoing																								
179																												
180	Geology - 1.13		Drainage Plan Approval	ongoing	✓	C	I-a		✓	C	I-b		✓	C	I-c		✓	C	I-d		✓	C	I-e		✓	C	I-f	

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181	Geology - 1.14		Personnel Retention for Monitoring Soil Erosion	ongoing	✓	C	I-a		✓	C	I-b		✓	C	I-c		✓	C	I-d		✓	C	I-e		✓	C	I-f	
182	Groundwater - 3.11		Irrigation/Revegetation Management- Personnel Retention	ongoing																								
183	BIOTA – 4.10		Oak Tree Permit	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
184	BIOTA – 4.11		Oak Tree Mitigation Plan	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
185	BIOTA – 4.13		Oak Tree Mitigation Counting	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
186	BIOTA – 4.20		Poultry Wire Screen	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
187	BIOTA – 4.24		Drip Irrigation	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
188	BIOTA – 4.27		Coastal Sage Scrub Mitigation Plan	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
189	BIOTA – 4.28		Coastal Sage Scrub Seeding	ongoing																								
190	BIOTA – 4.29		San Diego Horned Lizard Mitigation	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
191	BIOTA – 4.30		California Gnatcatcher Surveys	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
192	BIOTA – 4.31		Least Bell's Vireo Surveys	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
193	BIOTA – 4.32		Western Burrowing Owl Surveys	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
194	BIOTA – 4.33		Migratory Bird Treaty Act	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
195	BIOTA – 4.34		Raptor Nests Habitat	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
196	BIOTA – 4.36		Personnel Retention for Monitoring Revegetation Plan	ongoing																								
197	BIOTA – 4.37		Personnel Retention for Monitoring Revegetation Plan, Onsite Plants	status																								
198	BIOTA – 4.38		Green Waste Material	ongoing																								
199	BIOTA – 4.39		Revegetation of Slopes/Fill Areas	ongoing																								
200	BIOTA – 4.41		Revegetation Plan-Replacement Cover	ongoing																								
201	BIOTA – 4.42		Interim Vegetation	ongoing	✓	C	I-a		✓	C	I-b		✓	C	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
202	BIOTA – 4.43		Replacement Riparian Habitat	status	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
203	Air Quality - 6.02		Dust Control	ongoing	✓	C	I-a		✓	C	I-b		✓	C	I-c		✓	C	I-d		✓	C	I-e		✓	C	I-f	
204	Visual – 10.06		Upper Ridge Planting/Revegetation	ongoing																								

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205	Visual – 10.07		Tree Planting Around Perimeter	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
206	Visual – 10.08		Cover/Revegetation Requirements	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
207	Visual – 10.08		Solid Waste Disposal Procedures	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
208	Visual – 10.08		Final Cut Slope Steepness	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
209	Visual – 10.08		Final Fill Slopes-Reclamation/Revegetation	status													✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
210	Visual – 10.08		Revegetation Requirements	status	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
211	Visual – 10.09		Final Cover Composition Requirements	ongoing													✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
212	Visual – 10.10		Buffer Zone Maintenance	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
213	Water Conservation - 11.02		Plant Species	ongoing																								
214	Fire Service - 12.01		Brush Clearance Measures	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
215																												
216	Air Quality & Noise Specialist																											
217																												
218																												
219	Fugitive Dust - 45.F	45.F	Fugitive Dust Monitoring	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
220	Fugitive Dust - 45.I	45.I	Paved Roads-Cleaning	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
221	Fugitive Dust - 45.N	45.N	Report Submission-Dust/Odor	every quarter																								
222	Air Quality Monitoring - 81	81	Air Quality Monitoring-Tests	ongoing																								
223																												
224																												
225	Air Quality – 6.01		Fugitive Dust Aversion	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
226	Air Quality – 6.01		Working Face Requirements	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
227	Air Quality – 6.01		Erosion Control-Daily Cover	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	

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228	Air Quality – 6.01		Soil Stockpile Requirements	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
229	Air Quality – 6.01		Active Area Fill	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
230	Air Quality – 6.01		Soil Sealant	ongoing																								
231	Air Quality – 6.01		Dust Emissions-Road Maintenance	ongoing	✓	C	I-a		✓	C	I-b		✓	C	I-c		✓	C	I-d		✓	C	I-e		✓	C	I-f	
232	Air Quality – 6.01		Access Roads-Paving	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
233	Air Quality – 6.01		Dust Generation-Dumping	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
234	Air Quality – 6.01		Water Tanks/Piping Maintenance	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
235	Air Quality – 6.01		Wind Speed Monitoring	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
236	Air Quality – 6.01		Report Submission-Dust/Odor	every quarter	/				/				/				/				/				/			
237	Odor/Landfill Gas – 7.03		Odor/Landfill Gas Monitoring Program	ongoing	/				/				/				/				/				/			
238	Odor/Landfill Gas – 7.03		Landfill Surface Sampling	ongoing	/				/				/				/				/				/			
239	Odor/Landfill Gas – 7.03		Landfill Perimeter Air Samples	ongoing	/				/				/				/				/				/			
240	Odor/Landfill Gas – 7.03		Landfill Surface Monitoring	ongoing	/				/				/				/				/				/			
241	Odor/Landfill Gas – 7.03		LFG Collection System Monitoring	ongoing	/				/				/				/				/				/			
242	Noise – 9.01		Landfill Access/Operation	info	/				/				/				/				/				/			
243	Noise – 9.03		Landfill Equipment-Mufflers/Silencers	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
244	Admin Rpts/ Pgms-17.16		Air Quality Monitoring-Corrective Action Plan	ongoing	/				/				/				/				/				/			
246																												
247	Hydrology, Hazardous Waste / Risk of Upset																											
248																												
249																												
250	IMP - Part IV.E	IMP4	Load Inspection-Random Manual	ongoing																								
251																												
252	Groundwater - 3.05		Leachate Collection and Removal System	ongoing																								

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253	Groundwater - 3.15		Underground Diesel Fuel Storage Tanks	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
254	Fire Service - 12.02		On-site Fire Response Capabilities-Operating Equipment	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
255	Fire Service - 12.03		On-site Fire Response Capabilities-Roads/Water	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
256	Fire Service - 12.04		On-site Fuel Storage Tanks-Permit Issuance	ongoing	✓	FRN	NONE		✓	FRN	NONE		✓	FRN	NONE		✓	FRN	NONE		✓	FRN	NONE		✓	FRN	NONE	
257	Fire Service - 12.05		Building Limits	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
258	Fire Service - 12.06		Methane Gas Monitoring-On-site Structures	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
259	Hazardous Materials – 13.02		Waste Load Checking Program	ongoing																								
260	Hazardous Materials – 13.05		Hazardous Waste Disposal	ongoing																								
261	Hazardous Materials – 13.10		Hazardous Waste-Procedures	ongoing																								
262	Hazardous Materials – 13.11		Spill Response Program	ongoing																								
263	Safety - 16.02		Injury and Illness Prevention Program	status																								
264	Safety - 16.03		Working Conditions-Monitoring	status																								
265	Safety - 16.04		Inspection Checklist-Work Area Exposure	status																								
266	Safety - 16.07		Accident/Injury Reports	status																								
267	Safety - 16.08		First-aid Kits	ongoing																								
268	Safety - 16.10		Lockout/Blackout Procedures	status																								
269	Safety - 16.11		Personal Protective Equipment	status																								
270	Landfill Operation - 18.8		Prohibited Waste Procedures	ongoing																								
271																												
272	Archaeologist																											
273																												
274																												
275	Ecological Significance - 62	62	Archaeological/Paleontological Identification/Conservation Program	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
276	IMP - Part VII.B	IMP7	Archaeological/Paleontological Report Submission	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	

* C = Compliant, NC = Non-Compliant, FRN = Further Review Needed, R = Resolved

** See Appendix I for Comments

Checkmark = Condition or mitigation was monitored

/ = Yearly or non-ongoing monitoring frequency

Sunshine Canyon Landfill County Mitigation Monitoring Summary
(04-01-2023 through 06-30-2023)

Line #	Reference #	Mitigation #	County Mitigation Measures and Conditions Monitored by Discipline	Monitoring Frequency	First Quarter 2023												Second Quarter 2023											
					1/17/2023	Status*	Further Review Needed/Comments**	Resolved*	2/23/2023	Status*	Further Review Needed/Comments**	Resolved*	3/29/2023	Status*	Further Review Needed/Comments**	Resolved*	4/18/2023	Status*	Further Review Needed/Comments**	Resolved*	5/16/2023	Status*	Further Review Needed/Comments**	Resolved*	6/21/2023	Status*	Further Review Needed/Comments**	Resolved*
277	Archaeological – 5.01		Archaeological Resurvey	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
278	Archaeological – 5.02		Onsite Archaeologist	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
279	Archaeological – 5.03		Onsite Paleontologist	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
280	Archaeological – 5.04		Archaeological/Paleontological Identification Instruction	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
281	Archaeological – 5.05		Archaeological Resource Curation	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
282																												
283	Paleontologist																											
284																												
285																												
286	Ecological Significance - 62	62	Archaeological/Paleontological -Material Identification/Conservation	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
287	IMP - Part VII.B	IMP7	Archaeological/Paleontological-Report Submission	ongoing																								

* C = Compliant, NC = Non-Compliant, FRN = Further Review Needed, R = Resolved

** See Appendix I for Comments

Checkmark = Condition or mitigation was monitored

/ = Yearly or non-ongoing monitoring frequency

Appendix I

Further Review Needed Comments: Reference I-d through I-f Second Quarter 2023 Site Visits

Discipline	City Condition Reference # / Mitigation #	County Condition Reference # / Mitigation #	Responsible Agency	Further Review Needed – Comments
Project Manager	Q – B.2.c		City Planning	I-d through I-f: There was no grading outside of the approved landfill development limits during the 2nd Quarter. The road realignment work was not within the Sunshine Canyon waste fill limits but is in the CUP-approved areas for ancillary uses. The road realignment also included a new sedimentation basin and the removal of a portion of the existing terminal basin and the westside inlet channels to the basin. This was in preparation for the construction of a final toe berm. The completion of these improvements is scheduled for 2023. Grading up the canyon from the terminal basin was occurring. The JTD City/County CUP condition 1.18 requires that all alluvium soils be removed prior to filling with compacted soils. Alluvium removal is to be verified by a qualified geologist. Alluvial water was being collected in a temporary basin. Where the water was being discharged to could not be determined. Soil was being moved by scrapers from the new access road stockpile to the toe berm location. Trucks were also bringing imported soil directly to that location. It looks like this soil placement and grading is the construction of the foundation of the final buttress. No drawings were available for review. No soil testing or compaction of the soil was seen, except for scrapers traveling on the soil to compact it. The terminal basin's damaged outlet riser discharged water with sediment during the 2nd quarter. The damaged terminal basin outlet riser was in the process of being repaired in June. The soil quantity trucked in was not being recorded at the scales nor by a field observer. Cells CC-4 Part 4A, 4B and 5 were the only areas accepting waste during the 2nd Quarter. ADC was being used at the active disposal areas. ADC was covered with soil on Saturdays.
		Geology - 1.07	County DPW EPD/SCL-LEA	I-d through I-f: See Q – B.2.c above.
		Geology - 1.12	County DPW EPD/SCL-LEA	I-d through I-f: See Q – B.2.c above.
	Q - C.3.h		City Planning	I-d through I-f: In the 2nd Quarter, localized dust clouds occurred on dirt roads to and on the County top deck when waste hauling transfer and packer trucks used the dirt roads going to the active waste disposal areas and when soil importation trucks were delivering soil. These temporary roads did not have rock nor recycled concrete surfacing or soil stabilizer to control dust generation. The dust was not observed leaving the site.
	Q - C.10.c		City Planning	<p>I-d: The gas-to-energy plant was using 6783 SCFM of recovered landfill gas. Flare 1: 1977; Flare 3: not accessible; Flare 9: not operating; Flare 10: 2881 SCFM; Flare 11: 2927 SCFM. The total volume of landfill gas being recovered and flared from flares that we could access was 14,568 SCFM.</p> <p>I-e: The gas-to-energy plant was using 8725 SCFM of recovered landfill gas. Flare 1: 2048; Flare 3: not accessible; Flare 9: 2465; Flare 10: 2471; Flare 11: not operating SCFM. The total volume of landfill gas being recovered and flared from flares that we could access was 15,709 SCFM.</p> <p>I-f: The gas-to-energy plant was down for maintenance. Flare 1: 2251 SCFM; Flare 3: 2414 SCFM; Flare 9: 2542 SCFM; Flare 10: 2487 SCFM; Flare 11: 2549 SCFM. The total volume of landfill gas being recovered and flared was 12,243 SCFM.</p> <p>I-d through I-f: The monthly average quantity of landfill gas being recovered in the 2nd Quarter was 14,174 SCFM, with the gas-to-energy plant monthly average usage of 7754 SCFM. Republic has stated that they are pursuing options for using the excess recovered gas that is now being flared.</p>

Discipline	City Condition Reference # / Mitigation #	County Condition Reference # / Mitigation #	Responsible Agency	Further Review Needed – Comments
Project Manager		Odor/Landfill Gas - 7.07	County Planning/SCAQMD SCL-LEA	I-d through I-f: See Q - C.10.c above.
		Gas - 52	County DPW EPD/SCL-LEA County Forester Fire Warden	I-d through I-f: See Q - C.10.c above.
	T-4		City Planning, City Fire Department	I-d through I-f: An updated fire plan showing the new locations of all facilities and normal and emergency ingress and egress should be prepared and sent to the local City fire department station and City and County planning now that the office facilities have been moved to the new location and the realignment of the main access road and toe berm are under construction. Emergency egress should be posted for employees and customers.
		Fire Service - 12.03	County DPW EPD/SCL-LEA County Forester Fire Warden	I-d through I-f: See T-4 above.
	M - 4.1.1 / 4	M - Earth Resources	City Department of Building and Safety	I-d through I-f: The rainwater control system for the new access road and sedimentation basin has uncontrolled rainwater impacts on the Gas Company's facility and San Fernando Road. Republic's final design and construction plans for the drainage system for this adjacent canyon development were not made available to be monitored. Drainage improvements, engineering calculations and plans for the whole landfill site were also not available to the monitor. Republic's engineering consultant should have drainage plans and engineering support calculations available for agencies' and monitors' review.
	M - 4.1.1 / 7		City Planning, DOGGR	I-d through I-f: The old abandoned oil well casing adjacent to the new secondary access road from the Flare 11 site was not reabandoned. An evaluation of the need to reabandon this well should be done. This well was not leaking oil or gas, and did not pose a current hazard. It is well beyond the approved landfill limits but inside the ridgeline of Sunshine Canyon.
		Re-abandonment Procedures	County Planning, County DPW EPD/SCL-LEA, DOGGR	I-d through I-f: See M - 4.1.1 / 7 above.
	M - 4.1.4 / 11	Post-5.0 Earthquake Analysis	City Planning	I-d through I-f: There were no earthquakes of 5.0 or greater during this monitoring period.
	M - 4.2.12 / 26 and 28		City Planning/SCAQMD	I-d through I-f: During the 2nd Quarter, Closure Turf was being maintained, and gas and liquids recovery systems under the turf were performing well. This cover material was in lieu of vegetation on the south-facing slopes, and controlled and eliminated dust and erosion.
		Fugitive Dust - 45.F	County DPH/County LEA County DPW-EPD County Biologist	I-d through I-f: See M - 4.2.12 / 28 above.
	M -4.2.13/ 29, 30, 32, 33, and 34		City Planning/SCL-LEA/SCAQMD	I-d through I-f: Compliance with these mitigation measures, concerning landfill gas monitoring and odor control and detection, is being monitored by a multi-agency team led by the SCAQMD. Only obvious gas emission sources, odorous operations related to gas and/or gas and landfill liquids, lack of cover, or exposed trash resulting in odor observed during the monitoring visit are reported.
		Amendment 45.N-4.a, 4.c, 4.d	County DPW-EPD	I-d through I-f: See M -4.2.13/ 29, 30, 32, 34 above.

Discipline	City Condition Reference # / Mitigation #	County Condition Reference # / Mitigation #	Responsible Agency	Further Review Needed – Comments
Project Manager		Amendment 45.N-5	County DPW-EPD	I-d through I-f: See M -4.2.13 / 29, 30, 32, 34 above.
	M - 4.2.13 / 33		City Planning/SCAQMD	I-g through I-i: On our random days of site visits during the 2nd Quarter, there were no landfill odors detected in the adjacent neighborhoods. There were liquid stains on Balboa near Woodley, and at the incline down San Fernando in May and June. There was a slight trash odor at each location.
	M - 4.2.13 / 34		City Planning/SCAQMD	I-d through I-f: See M-4.2.13/29, 30, and 32 above.
		Odor/Landfill Gas - 7.06	County DPW-EPD/SCL-LEA/SCAQMD	I-d through I-f: See M-4.2.13/33 above.
		Amendment 45.N - 4.a, 4.c, 4.d	County DPW-EPD	I-d through I-f: See M-4.2.13/29, 30, 32, and 34 above.
		Amendment 45.N - 5	County DPW-EPD	I-d through I-f: See M-4.2.13/29, 30, 32, and 34 above.
		Surface Water - 2.15	County DPW EPD/LARWQCB, SCL- LEA	<p>I-d through I-f: A preventative maintenance program with inspection of facility equipment, systems and storm water management devices to detect conditions that may cause breakdowns or failures resulting in discharge of materials into stormwater should be performed on a monthly basis, with a summary report issued on a quarterly basis. These reports have been reviewed prior to COVID-19 restrictions and were available at the landfill's main office.</p> <p>In the 2nd Quarter, it was observed that vegetation was growing out of numerous cracks in the water retention basins and drainage conveyance channels' concrete. There were areas of the channels and basins that needed the growing vegetation to be removed, and repair of the concrete and sealing of cracks. These clean-up and maintenance tasks are put on the monthly preventative maintenance program work list. The concrete drainage channel's wall south of Basin B has the soil supporting the wall washed being away by rain. The concrete wall is compromised by not stopping water from flowing into the back of the wall. Areas of the wall are cracked and are moving.</p>
	M - 4.4.2 / 69		City Planning	I-d through I-f: The status on providing offsite wetland and riparian mitigation has not changed in the 2nd Quarter. The City was proceeding with writing and adopting an ordinance to allow the wetlands and riparian mitigation to be created in the Chatsworth Reservoir. All environmental analysis has been completed. Republic stated that there has been no progress in finalizing and adopting the ordinance. Since the COVID-19 pandemic, progress has been suspended. The delay in the issuance of the City ordinance is delaying any progress in creating the required wetlands and riparian mitigation. Time extension letters from the US Corps of Engineers and the California Department of Fish and Wildlife were in place for 2019. New extension letters were not obtained since then. The feasibility of the Chatsworth Dam mitigation site needs to be evaluated as still being a potential mitigation site.
		Biota - 4.4.3	CDFW	I-d through I-f: See M - 4.4.2 / 69 above.
	M - 4.9.3 / 110		City Planning/City LEA	I-d through I-f: In the 2nd Quarter, there was no litter or illegal dumping observed in the adjacent neighborhood. There was illegal dumping on the shoulder of Sierra Highway near the I-14 overpass.

Discipline	City Condition Reference # / Mitigation #	County Condition Reference # / Mitigation #	Responsible Agency	Further Review Needed – Comments
Civil and Geotechnical Engineer	M - 4.1.1 / 2		City Building and Safety City Planning	I-d through I-f: See M - 4.1.1 / 5 below.
	M - 4.1.1 / 4		City Planning/LARWQCB Cal Recycle	I-d through I-f: See M - 4.1.1 / 5 below.
	M - 4.1.1 / 5		City Planning/ LARWQCB Cal Recycle	I-d through I-f: There was no grading outside of the approved landfill development limits during the 2nd Quarter. Grading for the main access road realignment in the small valley south of the current main access road had minimal work being done. The construction plans and supporting geotechnical reports were reviewed and approved by City Planning and the City Building Department. The City also approved brush and tree clearance and hillside grading. The technical reports and detailed plans were not available for review by the monitor. Compliance with County Geology - 1.07 was not able to be verified by the monitor.
		Geology - 1.07	County DPW EPD/ County LEA	I-d through I-fi: See M - 4.1.1 / 5 above.
	M - 4.1.5 / 12		City Planning/LARWQCB Cal Recycle	I-d through I-f: See M - 4.1.1 / 5 above.
	M - 4.1.6 / 18			I-d through I-f: A significant number of the landfill perimeter boundary survey PVC marker pipes have been removed in areas where Edison pole grading took place, near the Flare 11 site pad grading and near the CC-4 Part 3 buttress. All PVC boundary markers need to be verified and replaced if missing.
	M - 4.14.1 / 155		City Planning/Cal Recycle PW-BOE LADBS City LEA	I-d through I-f: Access roads were being maintained around the working area for emergency access. The final perimeter access road construction on the westside was completed. Wet weather surfacing or paving was not done.
	M - 4.18 / 178		City Planning/City LEA	I-d through I-f: A site map showing areas that are at the final elevations and which should have final cover should be available for review. A map showing other filled elevations should also be available onsite for review. Stockpiled soil should also be indicated in recorded elevations.
		Visual - 10.01 Visual - 10.02	County DPW EPD/ LARWQCB SCL-LEA	I-d through I-f: See M - 4.18 / 178 above.

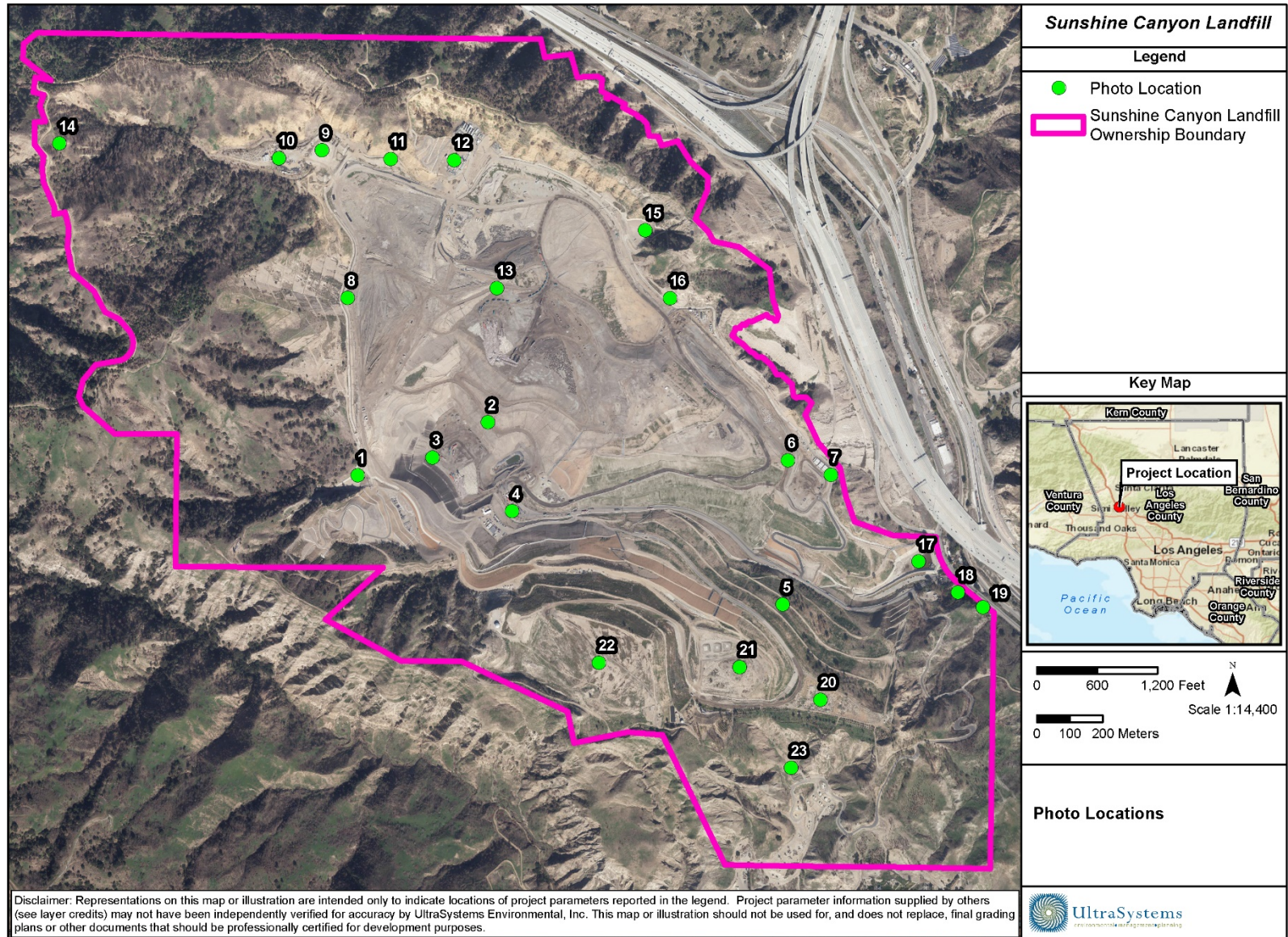
Discipline	City Condition Reference # / Mitigation #	County Condition Reference # / Mitigation #	Responsible Agency	Further Review Needed – Comments
Civil and Geotechnical Engineer	M - 4.3.1/ 37, 38		City Planning/ LARWQCB CalRecycle SCL-LEA PW-BOE	I-d through I-f: Surface drainage systems were in-place to intercept or divert rainwater away from prior landfill cells and current filling operations. Most of these were temporary systems in active areas, and most conveyance V-ditches were unlined. The construction of the final toe berm and main access road realignment project is ongoing. This is a two-year project and includes a new basin, modification of the terminal basin, and the construction of new drainage channels, and possibly a new upstream basin from the terminal basin. The road realignment will entail the construction of a new main access road, a 350,000-cubic-foot sedimentation basin, drainage improvements in the ravine south of the current entrance, and modifications to the terminal basin's size and inlet sources. The design plans, design details and engineering calculations were submitted to the City for permit approval. The design plans and engineering reports were not available for review by the monitor nor submitted to the LACDPW for approval. Compliance with Surface Water - 2.03 could not be verified. An engineering evaluation of the total site's surface drainage system should be done which reflects the current system's modifications. Onsite drainage channels should be designed per CCR, Title 23, Division 3, Chapter 15, Article 3, Section 2533(C), and County of Los Angeles Public Works Department, Flood Control requirements.
Hydrologist		Surface Water - 2.03 Surface Water - 2.12	County DPW EPD/ LARWQCB SCL-LEA	I-d through I-f: See M - 4.3.1/ 37, 38 above.
	M - 4.3.1 / 39		City Planning/LARWQCB Cal Recycle	I-d through I-f: See M - 4.3.1/ 37, 38 above.
	M - 4.3.1 / 40		City Planning/ LARWQCB CalRecycle SCL-LEA PW-BOE LADBS	I-d through I-f: See M - 4.3.1/ 37, 38 above.
	M - 4.3.1 / 43		City Planning/ LARWQCB CalRecycle SCL-LEA PW-BOE LADBS	I-d through I-f: In the 2nd Quarter none of the basins or channels were cleared of sediment. Major modifications were made to the terminal basin and its inlet channels. No hydrology reports were available to the monitor or the County. The damaged Terminal Basin outlet riser was in the process of being repaired. Sediment, small rocks and debris were still being discharged into the outlet channel to the County flood control drainage system.
		Surface Water - 2.10	LARWQCB / County DPW EPD	I-d through I-f: See M - 4.3.1/ 37, 38 and 43 above.
		Surface Water - 2.14	LARWQCB / County DPW EPD	
	M - 4.3.1/ 46		City Planning/ LARWQCB CalRecycle PW-BOE	I-d through I-f: See 2.15 above.

Discipline	City Condition Reference # / Mitigation #	County Condition Reference # / Mitigation #	Responsible Agency	Further Review Needed – Comments
Hydrologist	M - 4.3.2 / 50		City Planning/ LARWQCB CalRecycle SCL-LEA	I-d through I-f: The old City North top deck has a tank farm of 16 Alder storage tanks for processing recovered leachate and condensate, with a double-wall pipeline to the sewer connection at the entrance near San Fernando Road. This system operated with no odors detected at the tank farm nor the sewer connection during the 2nd Quarter. Tank farm liquids were being treated with 30% hydrogen peroxide at the tank farm and at the sewer connection.
Biologist	M - 4.1.1 / 6		City Planning/ LARWQCB CalRecycle SCL-LEA LADBS	I-d through I-f: See M - 4.2.12 / 28 above.
		Geology - 1.14	LARWQCB/ County Forester	I-d through I-f: See M - 4.2.12 / 28 above.
	M - 4.2.11 / 23		City Planning	I-d through I-f: See M - 4.2.12 / 28 above.
		Geology - 1.13	County DPW EPD/ County Forester LARWQCB	I-d through I-f: See M - 4.2.12 / 28 above.
	M - 4.2.12		SCL-LEA/ City Planning	I-d through I-f: See M - 4.2.12 / 28 above.
		Revegetation - 44.A	SCL-LEA/ County DPW EPD Regional Planning County Biologist	I-d through I-f: See M - 4.2.12 / 28 above.
		Revegetation - 44.F	SCL-LEA/ County DPW EPD Regional Planning County Biologist	I-d through I-f: See M - 4.2.12 / 28 above.
		Biota - 4.42	SCL-LEA	I-d through I-f: See M - 4.2.12 / 28 above.
		Air Quality - 6.02	SCAQMD/ SCL-LEA	I-d through I-f: See M - 4.2.12 / 28 above.
		Visual - 10.08	County Forester	I-d through I-f: See M - 4.2.12 / 28 above.

Discipline	City Condition Reference # / Mitigation #	County Condition Reference # / Mitigation #	Responsible Agency	Further Review Needed – Comments
Biologist	M - 4.4.1 / 60		City Planning	I-d through I-f: During the 2nd Quarter, City sage mitigation area decks B and C were being maintained by the removal of non-native vegetation. Native vegetation was doing well. Bare spots are being filled-in from planted native plants. The condition of the PM-10 oak trees was still being evaluated by Republic's consulting biologists. Their yearly mitigation tree status report was being prepared. There was a substantial amount of dead PM-10 trees observed by the monitor. No schedule for replacement has been issued. There was no activity on the County sage mitigation area. Native plants were doing well in the County sage area, repopulating in the areas where they naturally came back. No mitigation revegetation activity was done for this area in the 2nd Quarter.
		Biota - 4.27	County LEA/CDFW	I-d through I-f: See M - 4.4.1 / 60 above.
		Biota - 4.10	County LEA/CDFW	I-d through I-f: Republic's biologist consultant has not yet issued an updated mitigation tree report. The number and type of trees that will need to be replaced and schedule of planting will be addressed in this report.
	M - 4.4.3 / 72		City Planning	I-d through I-f: See Biota - 4.10 above.
	M - 4.9.4 / 121		City Planning/Cal Recycle Cal OSHA LAFD City LEA	I-d through I-f: See T-4 above.
	M-4.9.4/ 125		City Planning/ CalRecycle Cal OSHA SCL-LEA	I-d through I-f: During the 2nd Quarter, the north perimeter gate was observed not to be locked.
Paleontologist	M-4.19.2/ 191		City Planning	I-d through I-f: During the 2nd Quarter, the only grading in native undisturbed areas that required archeological and paleontological monitoring was in the southeast ravine where brush and tree clearance and rough grading was done for the development of the new main access road realignment.
		Ecological Significance 62	County Planning	I-d through I-f: See M-4.19.2/ 191 above.

Appendix II

Relevant Site Photos



Path: \\GIS\SVR\GIS\Projects\5800_Sunshine_Canyon\MXD\PhotoLocations\5800_Sunshine_Canyon_PhotoLocations_2020_10_12.mxd
 Service Layer Credits: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community; CAL FIRE, 2007; Republic, March 2020; LA County Assessor, 2020

October 12, 2020

Photo Location Map Key

Map Location	Title	Photo Number
1	Basin A	1 – 27
2	Working Area, CC4 Part 1/2	–
3	Working Area, CC-4 Part 3	–
4	Working Area, CC-4 Part 4	28 – 135
5	Closure Turf	136 – 140
6	Office and Scales Location	141 – 154
7	Alder Tank Liquids Treatment System	155 – 156
8	County Sage Mitigation Area and Westside Drainage Channels	157 – 186
9	Basin D	187
10	Basin D Material Storage Area	188 – 193
11	Basin D Outlet Channel	–
12	Flares 9, 10, 11 and Gas-to-Energy Facility	194 – 229
13	County Top Deck	230 – 252
14	North Access Road	–
15	Basin B	253 – 283
16	Eastside Drainage Channel	284 – 295
17	Terminal Basin	296 – 357
18	Greywater Sewer Connection	–
19	Retaining Wall at San Fernando Road	358 – 372
20	Sage Mitigation, Deck C	373 – 384
21	Sage Mitigation, Deck B	385 – 396
22	Sage Mitigation, Deck A	–
23	Southern Ownership Buffer	397 – 415
–	General Site, Road Realignment	416 – 609



Photo 1: Basin A: April 18, 2023



Photo 2: Basin A: April 18, 2023



Photo 3: Basin A: April 18, 2023



Photo 4: Basin A: April 18, 2023



Photo 5: Basin A: April 18, 2023



Photo 6: Basin A: April 18, 2023



Photo 7: Basin A: April 18, 2023



Photo 8: Basin A: April 18, 2023



Photo 9: Basin A: April 18, 2023



Photo 10: Basin A: April 18, 2023



Photo 11: Basin A: May 16, 2023



Photo 12: Basin A: May 16, 2023



Photo 13: Basin A: May 16, 2023



Photo 14: Basin A: May 16, 2023



Photo 15: Basin A: May 16, 2023



Photo 16: Basin A: May 16, 2023



Photo 17: Basin A: May 16, 2023



Photo 18: Basin A: June 21, 2023



Photo 19: Basin A: June 21, 2023



Photo 20: Basin A: June 21, 2023



Photo 21: Basin A: June 21, 2023



Photo 22: Basin A: June 21, 2023



Photo 23: Basin A: June 21, 2023



Photo 24: Basin A: June 21, 2023



Photo 25: Basin A: June 21, 2023



Photo 26: Basin A: June 21, 2023



Photo 27: Basin A: June 21, 2023



Photo 28: Working Area, CC-4 Part 4: April 18, 2023



Photo 29: Working Area, CC-4 Part 4: April 18, 2023



Photo 30: Working Area, CC-4 Part 4: April 18, 2023



Photo 31: Working Area, CC-4 Part 4: April 18, 2023



Photo 32: Working Area, CC-4 Part 4: April 18, 2023



Photo 33: Working Area, CC-4 Part 4: April 18, 2023



Photo 34: Working Area, CC-4 Part 4: April 18, 2023



Photo 35: Working Area, CC-4 Part 4: April 18, 2023



Photo 36: Working Area, CC-4 Part 4: April 18, 2023



Photo 37: Working Area, CC-4 Part 4: April 18, 2023



Photo 38: Working Area, CC-4 Part 4: April 18, 2023



Photo 39: Working Area, CC-4 Part 4: April 18, 2023

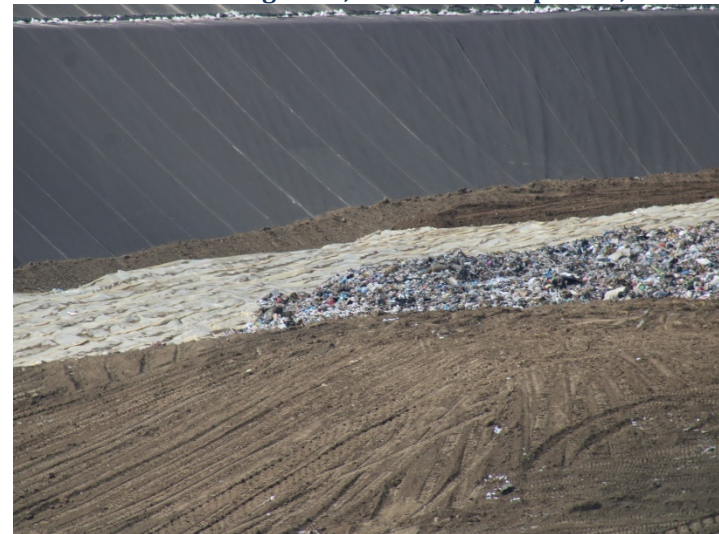


Photo 40: Working Area, CC-4 Part 4: April 18, 2023



Photo 41: Working Area, CC-4 Part 4: April 18, 2023



Photo 42: Working Area, CC-4 Part 4: April 18, 2023



Photo 43: Working Area, CC-4 Part 4: April 18, 2023



Photo 44: Working Area, CC-4 Part 4: April 18, 2023



Photo 45: Working Area, CC-4 Part 4: April 18, 2023



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Photo 74: Working Area, CC-4 Part 4: April 18, 2023



Photo 75: Working Area, CC-4 Part 4: April 18, 2023



Photo 76: Working Area, CC-4 Part 4: May 16, 2023



Photo 77: Working Area, CC-4 Part 4: May 16, 2023



Photo 78: Working Area, CC-4 Part 4: May 16, 2023



Photo 79: Working Area, CC-4 Part 4: May 16, 2023



Photo 80: Working Area, CC-4 Part 4: May 16, 2023



Photo 81: Working Area, CC-4 Part 4: May 16, 2023



Photo 82: Working Area, CC-4 Part 4: May 16, 2023



Photo 83: Working Area, CC-4 Part 4: May 16, 2023



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Photo 86: Working Area, CC-4 Part 4: May 16, 2023



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Photo 94: Working Area, CC-4 Part 4: May 16, 2023



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Photo 100: Working Area, CC-4 Part 4: May 16, 2023



Photo 101: Working Area, CC-4 Part 4: May 16, 2023



Photo 102: Working Area, CC-4 Part 4: May 16, 2023



Photo 103: Working Area, CC-4 Part 4: May 16, 2023



Photo 104: Working Area, CC-4 Part 4: May 16, 2023



Photo 105: Working Area, CC-4 Part 4: June 21, 2023



Photo 106: Working Area, CC-4 Part 4: June 21, 2023



Photo 107: Working Area, CC-4 Part 4: June 21, 2023



Photo 108: Working Area, CC-4 Part 4: June 21, 2023



Photo 109: Working Area, CC-4 Part 4: June 21, 2023



Photo 110: Working Area, CC-4 Part 4: June 21, 2023



Photo 111: Working Area, CC-4 Part 4: June 21, 2023



Photo 112: Working Area, CC-4 Part 4: June 21, 2023



Photo 113: Working Area, CC-4 Part 4: June 21, 2023



Photo 114: Working Area, CC-4 Part 4: June 21, 2023



Photo 115: Working Area, CC-4 Part 4: June 21, 2023



Photo 116: Working Area, CC-4 Part 4: June 21, 2023



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Photo 119: Working Area, CC-4 Part 4: June 21, 2023



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Photo 123: Working Area, CC-4 Part 4: June 21, 2023



Photo 124: Working Area, CC-4 Part 4: June 21, 2023



Photo 125: Working Area, CC-4 Part 4: June 21, 2023



Photo 127: Working Area, CC-4 Part 4: June 21, 2023



Photo 126: Working Area, CC-4 Part 4: June 21, 2023



Photo 128: Working Area, CC-4 Part 4: June 21, 2023



Photo 129: Working Area, CC-4 Part 4: June 21, 2023



Photo 130: Working Area, CC-4 Part 4: June 21, 2023



Photo 131: Working Area, CC-4 Part 4: June 21, 2023



Photo 132: Working Area, CC-4 Part 4: June 21, 2023



Photo 133: Working Area, CC-4 Part 4: June 21, 2023



Photo 134: Working Area, CC-4 Part 4: June 21, 2023



Photo 135: Working Area, CC-4 Part 4: June 21, 2023



Photo 136: Closure Turf: June 21, 2023



Photo 137: Closure Turf: June 21, 2023



Photo 138: Closure Turf: June 21, 2023



Photo 139: Closure Turf: June 21, 2023



Photo 140: Closure Turf: June 21, 2023



Photo 141: Office and Scales Location: May 16, 2023



Photo 142: Office and Scales Location: May 16, 2023



Photo 143: Office and Scales Location: May 16, 2023



Photo 144: Office and Scales Location: May 16, 2023



Photo 145: Office and Scales Location: May 16, 2023



Photo 146: Office and Scales Location: May 16, 2023



Photo 147: Office and Scales Location: May 16, 2023



Photo 148: Office and Scales Location: May 16, 2023



Photo 149: Office and Scales Location: May 16, 2023



Photo 150: Office and Scales Location: June 21, 2023



Photo 151: Office and Scales Location: June 21, 2023



Photo 152: Office and Scales Location: June 21, 2023



Photo 153: Office and Scales Location: June 21, 2023



Photo 154: Office and Scales Location: June 21, 2023



**Photo 155: Alder Tank Liquids Treatment System:
June 21, 2023**



**Photo 156: Alder Tank Liquids Treatment System:
June 21, 2023**



Photo 157: County Sage Mitigation Area and Westside Drainage Channels: April 18, 2023



Photo 159: County Sage Mitigation Area and Westside Drainage Channels: April 18, 2023



Photo 158: County Sage Mitigation Area and Westside Drainage Channels: April 18, 2023



Photo 160: County Sage Mitigation Area and Westside Drainage Channels: May 16, 2023



Photo 161: County Sage Mitigation Area and Westside Drainage Channels: May 16, 2023



Photo 162: County Sage Mitigation Area and Westside Drainage Channels: May 16, 2023



Photo 163: County Sage Mitigation Area and Westside Drainage Channels: May 16, 2023



Photo 164: County Sage Mitigation Area and Westside Drainage Channels: May 16, 2023



Photo 165: County Sage Mitigation Area and Westside Drainage Channels: June 21, 2023



Photo 166: County Sage Mitigation Area and Westside Drainage Channels: June 21, 2023



Photo 167: County Sage Mitigation Area and Westside Drainage Channels: June 21, 2023



Photo 168: County Sage Mitigation Area and Westside Drainage Channels: June 21, 2023



Photo 169: County Sage Mitigation Area and Westside Drainage Channels: June 21, 2023



Photo 170: County Sage Mitigation Area and Westside Drainage Channels: June 21, 2023



Photo 171: County Sage Mitigation Area and Westside Drainage Channels: June 21, 2023



Photo 172: County Sage Mitigation Area and Westside Drainage Channels: June 21, 2023



Photo 173: County Sage Mitigation Area and Westside Drainage Channels: June 21, 2023



Photo 174: County Sage Mitigation Area and Westside Drainage Channels: June 21, 2023



Photo 175: County Sage Mitigation Area and Westside Drainage Channels: June 21, 2023



Photo 176: County Sage Mitigation Area and Westside Drainage Channels: June 21, 2023



Photo 177: County Sage Mitigation Area and Westside Drainage Channels: June 21, 2023



Photo 178: County Sage Mitigation Area and Westside Drainage Channels: June 21, 2023



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Photo 180: County Sage Mitigation Area and Westside Drainage Channels: June 21, 2023



Photo 181: County Sage Mitigation Area and Westside Drainage Channels: June 21, 2023



Photo 182: County Sage Mitigation Area and Westside Drainage Channels: June 21, 2023



Photo 183: County Sage Mitigation Area and Westside Drainage Channels: June 21, 2023



Photo 184: County Sage Mitigation Area and Westside Drainage Channels: June 21, 2023



Photo 185: County Sage Mitigation Area and Westside Drainage Channels: June 21, 2023



Photo 186: County Sage Mitigation Area and Westside Drainage Channels: June 21, 2023



Photo 187: Basin D: June 21, 2023



Photo 188: Basin D Material Storage Area: May 16, 2023



Photo 189: Basin D Material Storage Area: May 16, 2023



Photo 190: Basin D Material Storage Area: June 21, 2023



Photo 191: Basin D Material Storage Area: June 21, 2023



Photo 192: Basin D Material Storage Area: June 21, 2023



Photo 193: Basin D Material Storage Area: June 21, 2023



**Photo 194: Flares 9, 10, 11 and Gas-to-Energy Facility:
April 18, 2023**



**Photo 195: Flares 9, 10, 11 and Gas-to-Energy Facility:
April 18, 2023**



**Photo 196: Flares 9, 10, 11 and Gas-to-Energy Facility:
April 18, 2023**



**Photo 197: Flares 9, 10, 11 and Gas-to-Energy Facility:
April 18, 2023**



**Photo 198: Flares 9, 10, 11 and Gas-to-Energy Facility:
April 18, 2023**



**Photo 199: Flares 9, 10, 11 and Gas-to-Energy Facility:
April 18, 2023**



**Photo 200: Flares 9, 10, 11 and Gas-to-Energy Facility:
April 18, 2023**



**Photo 201: Flares 9, 10, 11 and Gas-to-Energy Facility:
April 18, 2023**



**Photo 202: Flares 9, 10, 11 and Gas-to-Energy Facility:
April 18, 2023**



**Photo 203: Flares 9, 10, 11 and Gas-to-Energy Facility:
April 18, 2023**



**Photo 204: Flares 9, 10, 11 and Gas-to-Energy Facility:
April 18, 2023**



**Photo 205: Flares 9, 10, 11 and Gas-to-Energy Facility:
April 18, 2023**



**Photo 206: Flares 9, 10, 11 and Gas-to-Energy Facility:
April 18, 2023**



**Photo 207: Flares 9, 10, 11 and Gas-to-Energy Facility:
April 18, 2023**



**Photo 208: Flares 9, 10, 11 and Gas-to-Energy Facility:
April 18, 2023**



**Photo 209: Flares 9, 10, 11 and Gas-to-Energy Facility:
May 16, 2023**



**Photo 210: Flares 9, 10, 11 and Gas-to-Energy Facility:
May 16, 2023**



**Photo 211: Flares 9, 10, 11 and Gas-to-Energy Facility: May 16,
2023**



**Photo 212: Flares 9, 10, 11 and Gas-to-Energy Facility: May 16,
2023**



**Photo 213: Flares 9, 10, 11 and Gas-to-Energy Facility:
May 16, 2023**



**Photo 214: Flares 9, 10, 11 and Gas-to-Energy Facility:
May 16, 2023**



**Photo 215: Flares 9, 10, 11 and Gas-to-Energy Facility:
May 16, 2023**



**Photo 216: Flares 9, 10, 11 and Gas-to-Energy Facility:
May 16, 2023**



**Photo 217: Flares 9, 10, 11 and Gas-to-Energy Facility:
May 16, 2023**



**Photo 218: Flares 9, 10, 11 and Gas-to-Energy Facility:
May 16, 2023**



**Photo 219: Flares 9, 10, 11 and Gas-to-Energy Facility:
May 16, 2023**



**Photo 220: Flares 9, 10, 11 and Gas-to-Energy Facility:
June 21, 2023**



**Photo 221: Flares 9, 10, 11 and Gas-to-Energy Facility:
June 21, 2023**



**Photo 222: Flares 9, 10, 11 and Gas-to-Energy Facility:
June 21, 2023**



**Photo 223: Flares 9, 10, 11 and Gas-to-Energy Facility:
June 21, 2023**



**Photo 224: Flares 9, 10, 11 and Gas-to-Energy Facility:
June 21, 2023**

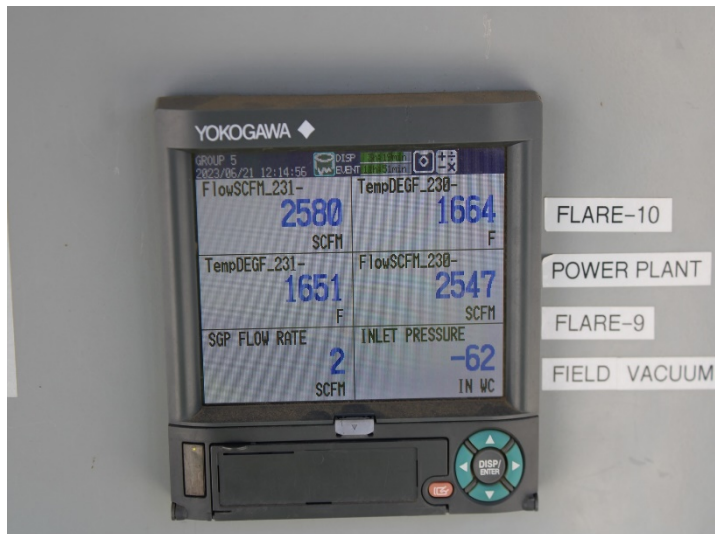


Photo 225: Flares 9, 10, 11 and Gas-to-Energy Facility:
June 21, 2023



Photo 226: Flares 9, 10, 11 and Gas-to-Energy Facility:
June 21, 2023



Photo 227: Flares 9, 10, 11 and Gas-to-Energy Facility:
June 21, 2023

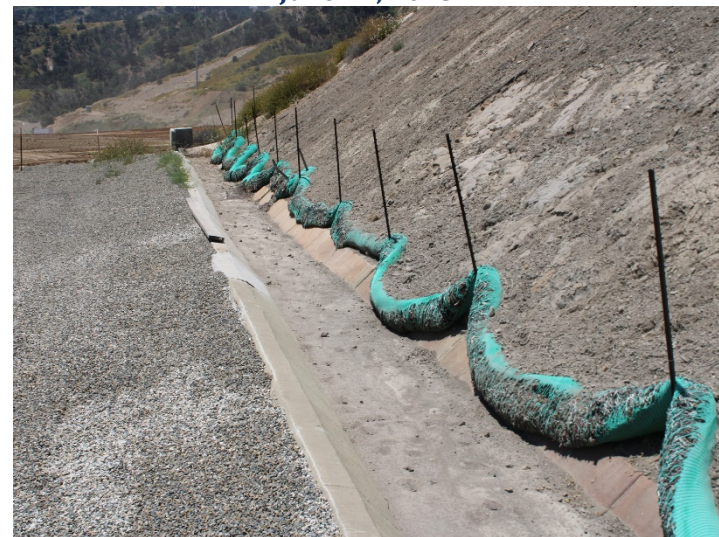


Photo 228: Flares 9, 10, 11 and Gas-to-Energy Facility:
June 21, 2023



**Photo 229: Flares 9, 10, 11 and Gas-to-Energy Facility:
June 21, 2023**



Photo 230: County Top Deck: April 18, 2023



Photo 231: County Top Deck: April 18, 2023



Photo 232: County Top Deck: April 18, 2023



Photo 233: County Top Deck: April 18, 2023



Photo 234: County Top Deck: April 18, 2023



Photo 235: County Top Deck: April 18, 2023



Photo 236: County Top Deck: April 18, 2023



Photo 237: County Top Deck: April 18, 2023



Photo 238: County Top Deck: April 18, 2023



Photo 239: County Top Deck: April 18, 2023



Photo 240: County Top Deck: April 18, 2023



Photo 241: County Top Deck: April 18, 2023



Photo 242: County Top Deck: April 18, 2023



Photo 243: County Top Deck: May 16, 2023



Photo 244: County Top Deck: May 16, 2023



Photo 245: County Top Deck: May 16, 2023



Photo 246: County Top Deck: May 16, 2023



Photo 247: County Top Deck: May 16, 2023



Photo 248: County Top Deck: May 16, 2023



Photo 249: County Top Deck: May 16, 2023



Photo 250: County Top Deck: May 16, 2023



Photo 251: County Top Deck: June 21, 2023



Photo 252: County Top Deck: June 21, 2023



Photo 253: Basin B: April 18, 2023



Photo 254: Basin B: April 18, 2023



Photo 255: Basin B: April 18, 2023



Photo 256: Basin B: April 18, 2023



Photo 257: Basin B: April 18, 2023



Photo 258: Basin B: April 18, 2023



Photo 259: Basin B: April 18, 2023



Photo 260: Basin B: April 18, 2023



Photo 261: Basin B: April 18, 2023



Photo 262: Basin B: April 18, 2023



Photo 263: Basin B: April 18, 2023



Photo 264: Basin B: April 18, 2023



Photo 265: Basin B: May 16, 2023



Photo 266: Basin B: May 16, 2023



Photo 267: Basin B: May 16, 2023



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Photo 274: Basin B: May 16, 2023



Photo 275: Basin B: May 16, 2023



Photo 276: Basin B: May 16, 2023



Photo 277: Basin B: May 16, 2023



Photo 278: Basin B: June 21, 2023



Photo 279: Basin B: June 21, 2023



Photo 280: Basin B: June 21, 2023



Photo 281: Basin B: June 21, 2023



Photo 282: Basin B: June 21, 2023



Photo 283: Basin B: June 21, 2023



Photo 284: Eastside Drainage Channel: April 18, 2023



Photo 285: Eastside Drainage Channel: April 18, 2023



Photo 286: Eastside Drainage Channel: April 18, 2023



Photo 287: Eastside Drainage Channel: April 18, 2023



Photo 288: Eastside Drainage Channel: May 16, 2023



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Photo 293: Eastside Drainage Channel: May 16, 2023



Photo 294: Eastside Drainage Channel: May 16, 2023



Photo 295: Eastside Drainage Channel: June 21, 2023



Photo 296: Terminal Basin: April 18, 2023



Photo 297: Terminal Basin: April 18, 2023



Photo 298: Terminal Basin: April 18, 2023



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Photo 321: Terminal Basin: May 16, 2023



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Photo 348: Terminal Basin: May 16, 2023



Photo 349: Terminal Basin: June 21, 2023



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Photo 354: Terminal Basin: June 21, 2023



Photo 355: Terminal Basin: June 21, 2023



Photo 356: Terminal Basin: June 21, 2023



Photo 357: Terminal Basin: June 21, 2023



**Photo 358: Retaining Wall at San Fernando Road:
April 18, 2023**



**Photo 359: Retaining Wall at San Fernando Road:
April 18, 2023**



**Photo 360: Retaining Wall at San Fernando Road:
May 16, 2023**



**Photo 361: Retaining Wall at San Fernando Road:
May 16, 2023**



**Photo 362: Retaining Wall at San Fernando Road:
May 16, 2023**



**Photo 363: Retaining Wall at San Fernando Road:
May 16, 2023**



**Photo 364: Retaining Wall at San Fernando Road:
May 16, 2023**



**Photo 365: Retaining Wall at San Fernando Road:
May 16, 2023**



**Photo 366: Retaining Wall at San Fernando Road:
May 16, 2023**



**Photo 367: Retaining Wall at San Fernando Road:
May 16, 2023**



**Photo 368: Retaining Wall at San Fernando Road:
May 16, 2023**



**Photo 369: Retaining Wall at San Fernando Road:
May 16, 2023**



**Photo 370: Retaining Wall at San Fernando Road:
May 16, 2023**



**Photo 371: Retaining Wall at San Fernando Road:
May 16, 2023**



**Photo 372: Retaining Wall at San Fernando Road:
May 16, 2023**



Photo 373: Sage Mitigation, Deck C: April 18, 2023



Photo 374: Sage Mitigation, Deck C: April 18, 2023



Photo 375: Sage Mitigation, Deck C: April 18, 2023



Photo 376: Sage Mitigation, Deck C: May 16, 2023



Photo 377: Sage Mitigation, Deck C: May 16, 2023



Photo 378: Sage Mitigation, Deck C: May 16, 2023



Photo 379: Sage Mitigation, Deck C: May 16, 2023



Photo 380: Sage Mitigation, Deck C: May 16, 2023



Photo 381: Sage Mitigation, Deck C: May 16, 2023



Photo 382: Sage Mitigation, Deck C: June 21, 2023



Photo 383: Sage Mitigation, Deck C: June 21, 2023



Photo 384: Sage Mitigation, Deck C: June 21, 2023



Photo 385: Sage Mitigation, Deck B: April 18, 2023



Photo 386: Sage Mitigation, Deck B: April 18, 2023



Photo 387: Sage Mitigation, Deck B: April 18, 2023



Photo 388: Sage Mitigation, Deck B: May 16, 2023



Photo 389: Sage Mitigation, Deck B: May 16, 2023



Photo 390: Sage Mitigation, Deck B: May 16, 2023



Photo 391: Sage Mitigation, Deck B: May 16, 2023



Photo 392: Sage Mitigation, Deck B: May 16, 2023



Photo 393: Sage Mitigation, Deck B: May 16, 2023



Photo 394: Sage Mitigation, Deck B: June 21, 2023



Photo 395: Sage Mitigation, Deck B: June 21, 2023



Photo 396: Sage Mitigation, Deck B: June 21, 2023



Photo 397: Southern Ownership Buffer: April 18, 2023



Photo 398: Southern Ownership Buffer: April 18, 2023



Photo 399: Southern Ownership Buffer: April 18, 2023



Photo 400: Southern Ownership Buffer: May 16, 2023



Photo 401: Southern Ownership Buffer: May 16, 2023



Photo 402: Southern Ownership Buffer: May 16, 2023



Photo 403: Southern Ownership Buffer: May 16, 2023



Photo 404: Southern Ownership Buffer: May 16, 2023



Photo 405: Southern Ownership Buffer: May 16, 2023



Photo 406: Southern Ownership Buffer: June 21, 2023



Photo 407: Southern Ownership Buffer: June 21, 2023



Photo 408: Southern Ownership Buffer: June 21, 2023



Photo 409: Southern Ownership Buffer: June 21, 2023



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Photo 412: Southern Ownership Buffer: June 21, 2023



Photo 413: Southern Ownership Buffer: June 21, 2023



Photo 414: Southern Ownership Buffer: June 21, 2023



Photo 415: Southern Ownership Buffer: June 21, 2023



Photo 416: General Site: April 18, 2023



Photo 417: General Site: April 18, 2023



Photo 418: General Site: April 18, 2023



Photo 419: General Site: April 18, 2023



Photo 420: General Site: April 18, 2023



Photo 421: General Site: April 18, 2023



Photo 422: General Site: April 18, 2023



Photo 423: General Site: April 18, 2023



Photo 424: General Site: April 18, 2023



Photo 425: General Site: April 18, 2023



Photo 426: General Site: April 18, 2023



Photo 427: General Site: April 18, 2023



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Photo 436: General Site: April 18, 2023



Photo 437: General Site: April 18, 2023



Photo 438: General Site: April 18, 2023



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Photo 440: General Site: April 18, 2023



Photo 441: General Site: April 18, 2023



Photo 442: General Site: April 18, 2023



Photo 443: General Site: April 18, 2023



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Photo 445: General Site: April 18, 2023



Photo 446: General Site: April 18, 2023



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Photo 456: General Site: April 18, 2023



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Photo 458: General Site: April 18, 2023



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Photo 482: General Site: April 18, 2023



Photo 483: General Site: April 18, 2023



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Photo 485: General Site: April 18, 2023



Photo 486: General Site: April 18, 2023



Photo 487: General Site: April 18, 2023



Photo 488: General Site: April 18, 2023



Photo 489: General Site: April 18, 2023



Photo 490: General Site: April 18, 2023



Photo 491: General Site: May 16, 2023



Photo 492: General Site: May 16, 2023



Photo 493: General Site: May 16, 2023



Photo 494: General Site: May 16, 2023



Photo 495: General Site: May 16, 2023



Photo 496: General Site: May 16, 2023



Photo 497: General Site: May 16, 2023



Photo 498: General Site: May 16, 2023



Photo 499: General Site: May 16, 2023



Photo 500: General Site: May 16, 2023



Photo 501: General Site: May 16, 2023



Photo 502: General Site: May 16, 2023



Photo 503: General Site: May 16, 2023



Photo 504: General Site: May 16, 2023



Photo 505: General Site: May 16, 2023



Photo 506: General Site: May 16, 2023



Photo 507: General Site: May 16, 2023



Photo 508: General Site: May 16, 2023



Photo 509: General Site: May 16, 2023



Photo 510: General Site: May 16, 2023



Photo 511: General Site: May 16, 2023



Photo 512: General Site: May 16, 2023



Photo 513: General Site: May 16, 2023



Photo 514: General Site: May 16, 2023



Photo 515: General Site: May 16, 2023



Photo 516: General Site: May 16, 2023



Photo 517: General Site: May 16, 2023



Photo 518: General Site: May 16, 2023



Photo 519: General Site: May 16, 2023



Photo 520: General Site: May 16, 2023



Photo 521: General Site: May 16, 2023



Photo 522: General Site: May 16, 2023



Photo 523: General Site: May 16, 2023



Photo 524: General Site: May 16, 2023



Photo 525: General Site: May 16, 2023



Photo 526: General Site: May 16, 2023



Photo 527: General Site: May 16, 2023



Photo 528: General Site: May 16, 2023



Photo 529: General Site: May 16, 2023



Photo 530: General Site: June 21, 2023



Photo 531: General Site: June 21, 2023



Photo 532: General Site: June 21, 2023



Photo 533: General Site: June 21, 2023



Photo 534: General Site: June 21, 2023



Photo 535: General Site: June 21, 2023



Photo 536: General Site: June 21, 2023



Photo 537: General Site: June 21, 2023



Photo 538: General Site: June 21, 2023



Photo 539: General Site: June 21, 2023



Photo 540: General Site: June 21, 2023



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Photo 543: General Site: June 21, 2023



Photo 544: General Site: June 21, 2023



Photo 545: General Site: June 21, 2023



Photo 546: General Site: June 21, 2023



Photo 547: General Site: June 21, 2023



Photo 548: General Site: June 21, 2023



Photo 549: General Site: June 21, 2023



Photo 550: General Site: June 21, 2023



Photo 551: General Site: June 21, 2023



Photo 552: General Site: June 21, 2023



Photo 553: General Site: June 21, 2023



Photo 554: General Site: June 21, 2023



Photo 555: General Site: June 21, 2023



Photo 556: General Site: June 21, 2023



Photo 557: General Site: June 21, 2023



Photo 558: General Site: June 21, 2023



Photo 559: General Site: June 21, 2023



Photo 560: General Site: June 21, 2023



Photo 561: General Site: June 21, 2023



Photo 562: General Site: June 21, 2023



Photo 563: General Site: June 21, 2023



Photo 564: General Site: June 21, 2023



Photo 565: General Site: June 21, 2023



Photo 566: General Site: June 21, 2023



Photo 567: Road Realignment: April 18, 2023



Photo 568: Road Realignment: April 18, 2023



Photo 569: Road Realignment: April 18, 2023



Photo 570: Road Realignment: April 18, 2023



Photo 571: Road Realignment: April 18, 2023



Photo 572: Road Realignment: April 18, 2023



Photo 573: Road Realignment: April 18, 2023



Photo 574: Road Realignment: April 18, 2023



Photo 575: Road Realignment: April 18, 2023



Photo 576: Road Realignment: April 18, 2023



Photo 577: Road Realignment: April 18, 2023



Photo 578: Road Realignment: April 18, 2023



Photo 579: Road Realignment: April 18, 2023



Photo 580: Road Realignment: April 18, 2023



Photo 581: Road Realignment: April 18, 2023



Photo 582: Road Realignment: April 18, 2023



Photo 583: Road Realignment: April 18, 2023



Photo 584: Road Realignment: April 18, 2023



Photo 585: Road Realignment: April 18, 2023



Photo 586: Road Realignment: April 18, 2023



Photo 587: Road Realignment: May 16, 2023



Photo 588: Road Realignment: May 16, 2023



Photo 589: Road Realignment: May 16, 2023



Photo 590: Road Realignment: May 16, 2023



Photo 591: Road Realignment: May 16, 2023



Photo 592: Road Realignment: May 16, 2023



Photo 593: Road Realignment: May 16, 2023



Photo 594: Road Realignment: May 16, 2023



Photo 595: Road Realignment: May 16, 2023



Photo 596: Road Realignment: May 16, 2023



Photo 597: Road Realignment: May 16, 2023



Photo 598: Road Realignment: May 16, 2023



Photo 599: Road Realignment: May 16, 2023



Photo 600: Road Realignment: May 16, 2023



Photo 601: Road Realignment: May 16, 2023



Photo 602: Road Realignment: May 16, 2023



Photo 603: Road Realignment: May 16, 2023



Photo 604: Road Realignment: June 21, 2023



Photo 605: Road Realignment: June 21, 2023



Photo 606: Road Realignment: June 21, 2023



Photo 607: Road Realignment: June 21, 2023



Photo 608: Road Realignment: June 21, 2023

Appendix IV

Quarterly Site Visits: Site Visit Attendees by Date of Site Visit/ Mitigation Monitoring Site Reports

April 2023

**SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT**

Monitor: James Aidukas	Page: 1 of 2
Discipline: Project Manager	Date: 4/18/23
Site Conditions: 50-65° F, 0-10 MPH winds	
SITE LOG	
<p>Drove the Granada Hills area near Woodley Avenue, the adjacent neighborhood, and school areas from 7:00 to 7:50 a.m. There were no landfill odors detected. There were also no roadway liquid odors detected on Balboa or the San Fernando Road incline. There were two truck tires illegally dumped on the shoulder of San Fernando Road north of the entrance. Met with Mike Lindsay (UltraSystems), Edgar De La Torre (LACDRP), Robel Mesfin (LACDPW), and Gladys Rietze (LACDPW). We then proceeded to monitor the site in separate vehicles and observed the following:</p> <ul style="list-style-type: none"> • The traffic signal at the landfill entrance was not properly working, causing waste hauling and dirt hauling trucks to stack up on San Fernando Road to south of the Balboa incline. • The deep ruts in the left turning and adjacent northbound lanes on San Fernando Road at the landfill entrance were not repaired yet. This road condition could be a hazard for passenger cars, small pickup trucks, and motorcycles. • The retaining wall along San Fernando Road from the Southern California Gas Company's facility to the truck acceleration lane had approximately 1 ½ foot-high soil that sloughed onto the walkway from the hillside. The end of the truck lane shoulder had a large pile of soil. The walkway along the entrance wall was covered with soil. These areas need the soil to be removed. • The terminal basin had water coming into it from the westside drainage channel and also from water being pumped from a catch basin that appears to be alluvial water. No sediment has been removed from the basin. The outlet riser has not been repaired. All water entering the basin immediately leaves. The outlet channel had sediment in it. • The Old City South Landfill adjacent to the main access road just south of the employee access road had K-rails placed at the toe of the slide to hold it in place and HDPE to cover it. It appears to have not slid any more. • The new basin and access road appears to have had no construction activity since the last monitoring. The basin has a minimal amount of water in it and dry sediment. Erosion rills were seen in areas where construction activity had occurred in the past. • The rainwater discharge point from the new basin is not known. The Gas Company's facility had sediment and rocks washed down to the westside fence. Rainwater is not fully controlled in this area. • Basin B had a minimal amount of standing water. Soil slid into the basin from the adjacent native hillsides. Sediment is too wet to remove. 	

- The eastside drainage channel downstream of Basin B where the soil was washed out on the concrete channel's slope wall has not yet been repaired. Portions of the concrete wall are showing cracks and movement. This should be on the monthly maintenance activities list.
- Cell CC-4 Parts 4 and 5 were active accepting waste. Prior day's ADC was being covered.
- Basin A has water to the tops of the outlet risers. The risers are covered with liner material to block any release of water. Water is being used for dust control.
- Soil is being hauled to the site and stockpiled on the County top deck immediately south of the flare system's site and in the bowl area.
- The City South landfill slopes had windblown litter in areas above the perimeter road and drainage channel.
- There was no replacement of the dead PM-10 oak trees.
- The sage mitigation decks B and C were flowering. Some of the areas of Deck C need plant replacement. Mustard plants and other non-natives were not being removed and could become a future problem.
- The odor control misting system above the PM-10 trees on Deck C was not working in the eastern portion of the mister line.
- The County sage mitigation slopes had no maintenance or planting performed.

Flare Operating Conditions:

- Flare 1 – 1636°F, 1977 SCFM, 38% CH₄, 0.04% O₂
- Flare 3 – not accessible
- Flare 9 – not operating
- Flare 10 – 1653°F, 2881 SCFM
- Flare 11 – 1655°F, 2927 SCFM

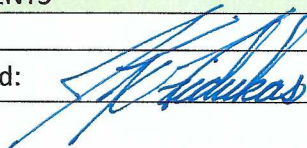
The gas-to-energy plant was using 6783 SCFM of recovered landfill gas. The gas composition was 42% CH₄, 0.7% O₂, and 54 PPM H₂S. The total volume of recovered gas could not be estimated.

There were spent (used) aluminum oxide pellet material in bags (25 bags) being stored in the flare site area.

FURTHER REVIEW NEEDED

COMMENTS

Signed:



**SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT**

Monitor: Mike Lindsay	Page 1 of 2
Discipline: Environmental Engineer	Date: 04-18-2023 Tuesday
Site Conditions: Mostly Cloudy, 50–63 °F, SW 3–7 mph, 72% RH, 64 AQI	
SITE LOG	
<ol style="list-style-type: none"> 1. No odors are present in the adjacent neighborhood and school at 7:40 a.m. 2. The traffic signal at landfill entrance is malfunctioning, causing haul trucks to queue. 3. Met with Jim Aidukas (UltraSystems), Edgar De La Torre (LACDRP), and Gladys Rietze and Robel Mesfin (LACDPW) following in separate vehicles to site locations. 4. The admin and LEA facility are in good order. 5. Observed the terminal basin from the northwest ridge, including uplifting concrete side walls. The basin is still releasing water directly into the outlet channel due to a damaged vertical riser drain. 6. Sediment and rock continue to collect in the terminal basin outlet channel due to uncontrolled storm water. 7. Dark liquid is being pumped from the west temporary basin into the terminal basin via two corrugated pipes at west end. 8. Observed the landslide along the main haul road (near where the road to admin facilities begins), including new erosion areas along the old City south slopes. The landslide soil has been covered with liner material, and K-rails have been placed to prevent soil migration onto roadway. 9. The new sediment basin by the new haul road being constructed is in good order, with some erosion rills present along slopes from recent rain. No water is present in basin. 10. Piles of soil have been placed on top of the cross-over ridge for the new entrance road. 11. Street sweepers are cleaning the haul roads. 12. Sediment basin B has sediment covering most of floor, with some minor soil slides along perimeter slopes due to heavy rain. Water has drained from basin. 13. Working area at Cell CC-4 Part 4A/4B/5 is active with tippers, moving floor trucks and packer trucks. ADC is 60% covered with new trash at 10:00 am. 14. The top wet-weather deck is in good order, with soil being imported for stockpiled cover material. 15. A soil import tipper truck rolled onto its side. 16. Flare 9 is offline. 17. Flare 10 is operating at 2889 scfm, 1642 °F. Gas sample measured at 42 % Vol. CH₄, 0.7 % Vol. O₂, 22 ppm CO, and 54 ppm H₂S. Blowers 1, 2, 4, 5 and 6 are operating. Gas inlet temperature is 112 °F. 18. Flare 11 operating at 2817 scfm, 1650 °F. Gas inlet temperature is 115 °F. 19. Sunshine Gas Producers is operating at 6703 scfm. 20. About 25 large bags of spent alumina material (aluminum oxide, or Al₂O₃; non-hazardous) has been stockpiled at the flare pad. 21. A drainage channel below (southwest) of the flare pad is still blocked with soil and a large tree. 22. Perimeter drainage channel at flare pad is in good order, with sediment filling most of channel. 23. The secondary access road is likely impassable by passenger cars due to deep ruts and slope erosion. 24. Traffic spotters are onsite to control traffic. 25. The landfill perimeter gate at the secondary access road is unlocked and propped open. 26. The County top deck is in good order, with stockpiled soil being used from northwest end. 27. Sediment basin A is in good order, with water filled to top of riser drains. 28. Some exposed trash is present along the bowl area south of Basin A due to rain erosion. 29. The westside drainage channel is in good order. 	

30. The County sage mitigation slopes are in good order.
31. ADC is now 80% covered with new trash at Cell CC-4 Part 5 at 11:15 am.
32. Flare 1 is operating at 1986 scfm, 1637 °F. Gas sample measured at 38 % Vol. CH₄, 0.4 % Vol. O₂, 21 ppm CO, and 4 ppm H₂S. Blowers 1, 2, 3, 4, 5 and 6 are operating. Gas inlet temperature is 108 °F.
33. City deck B and C sage mitigation areas are in good order, with new growth throughout.
34. The PM-10 berm is in good order, with some dead trees still present.

FURTHER REVIEW NEEDED

1. Repair landslide along main haul road.
2. Repair terminal basin vertical riser drain, and clear the outlet channel of sediment and rock.
3. Grade secondary access road to remove ruts.
4. Close and lock the perimeter gate at the secondary access road.
5. Clear drainage below flare pad of soil and tree.
6. Re-cover exposed trash near basin A.
7. Replace dead oak trees at PM-10 berm.

Signed: 

May 2023

**Sunshine Canyon Landfill
May 16, 2023 Site Visit
May 24, 2023 Conference Call**

Site Visit Participants

May 16, 2023 Site Visit

James Aidukas and Mike Lindsay, UltraSystems
Tarik Hadj-Hamou, SRK
Gladys Rietze and Alex Castro, LACDPW
Ai-Viet Huynh, LACDRP

Conference Call Participants

Michael Stewart, Kate Downey and Paul Koster, Republic Services
Alex Garcia and Ai-Viet Huynh, LACDRP
Anna Gov, Gladys Rietze and Alexander Castro, LACDPW
James Aidukas and Mike Lindsay, UltraSystems

Site Visit Observations Discussion:

UltraSystems sent personnel to perform a site visit to photograph site conditions and record site observations of the landfill. After reviewing the photos and observation record, a post-site visit conference call was held to discuss Sunshine Canyon Landfill operations and the status of construction, maintenance and compliance for the month of May. We asked questions regarding health measures, site operations, weather impacts, landfill gas and liquids control, construction activities and mitigation measures status. We received comments and updates from Republic staff as follows:

Discussion Topics After Reviewing Site Visit Photos

1. City Road Conditions
 - a. Balboa at Woodley and incline down to San Fernando Road – debris and waste liquids odors
 - Kate Downey stated that they will make a call to LA Sanitation when they notice an odor buildup at that area.
 - b. Turning lane into landfill – road condition
 - Kate Downey stated that the turning lane area is slated for repaving and they will contact the City to get an update on the timing.
 - c. Exit acceleration lane out of landfill – soil piles in lane and on sidewalk
 - Kate Downey stated that they have regular routine cleaning in that initial acceleration turn area. They have plans for either next week or the following week to clear some of the soil and dirt.
 - d. Retaining wall – soil piles on walkway and wall drainage channel
 - Kate Downey stated that they are currently doing work in that area clearing out behind the substation to make sure there is positive draining and that they will take a closer look at the retaining wall area as well.

2. Terminal Basin

- a. What is the schedule for cleaning the basin?
 - Kate Downey stated that they are tentatively scheduled to clean the basin the week of June 6. They are planning to begin within a 2-to-3-week period.
- b. Schedule for repairing the outlet riser?
 - Kate Downey stated that they are tentatively scheduled to repair the riser the week of June 6.
- c. Has a design plan been developed for the basin's final construction?
 - Kate Downey stated that the design plan for the basin's final construction is included in the Phase 1 and Phase 2 permitting and planning documents.
- d. Will the outlet channel be cleaned?
 - Kate Downey stated that they are tentatively scheduled to clean the outlet channel the week of June 6.

3. Toe Berm

- a. What is the construction schedule?
 - Kate Downey stated that they are hoping to finish Phase 2 in roughly 3 to 5 weeks. Construction of Phase 3 will take place in 2023, Phase 4 will take place in 2024 and Phase 5 will take place in 2025. They are aiming for a December 2025 project completion date.
- b. Have vegetation plans been developed for the final slopes?
 - Kate Downey stated that they are working with their biologists and other consultants to create a vegetation plan for the work that has already been completed on the Phase 1 side. They have a couple years to get the final berm vegetation plan completed.

4. Realigned (new) Road and adjacent basin

- a. When will the outlet piping be installed?
 - Kate Downey stated that they will be installing the final connection within the next month or so.
- b. What is the schedule for completing the new road?
 - Kate Downey stated that the new road will be completed by the end of the year or January 2024.

5. Basin B

- a. Schedule for repair of the concrete channel wall downstream of basin
 - Kate Downey stated that they have retained an additional third-party engineering consultant to do a thorough review of the site's drainage conveyances and any other additional improvements.

6. Basin A Schedule for removing water and sediment

- Kate Downey stated that they use chlorine tablets if the water remains sedentary for a while. Basin A is intended to slow the flow through the rest of the drainage conveyances so it is doing what it should be doing. They will continue monitoring and use chlorine tablets as necessary.

7. City Decks B and C

- a. Schedule for removing mustard and thistle

- Paul Koster stated that their biologists met with their mitigation teams this week and outlined and marked everything to be removed starting next month.
 - b. Schedule for planting replacement PM-10 trees
 - Paul Koster stated that planting the replacement PM-10 trees is in progress as well.
 - c. County sage mitigation status
 - Paul Koster stated that they are getting soil samples so they can get specialized seeds to try and hydroseed that area in November.
- 8. Material Storage Yard
 - a. Removal of inoperable equipment
 - Kate Downey stated that it is an ongoing effort and they will pass the item along to the maintenance team to see if they can get a firmer date.
 - b. Removal of trash and recyclable waste
 - Kate Downey stated that it is an ongoing effort and they will pass the item along to the maintenance team to see if they can get a firmer date.
- 9. Status of Chatsworth Wetlands Mitigation
 - Kate Downey stated that the City needs to pass the ordinance and there has been no movement on that. Republic is ready to proceed with the payment and work arrangement.
- 10. Any Violations in May
 - a. SCAQMD
 - Kate Downey stated that they had one violation in the month of May for alleged odor nuisance.
 - b. RWQCB
 - Kate Downey stated that they had one NOV from LA Regional Water Quality Control Board issued on May 17, 2023 for alleged non-compliance with conditions of the WER and IGP.
 - c. County/ City
 - Kate Downey stated that they had one NOV issued by LA County Department of Regional Planning for alleged tonnage exceedance.

Please view the photos for this site visit in the Sunshine Canyon Dropbox for May 16, 2023.

[SCL - Site Photos](#)

Site Visit Comments from Mike Lindsay

- Mike Lindsay reviewed statements made in the MMSRF site reports.

The conference call concluded.

Sunshine Canyon Landfill
May 16, 2023 Site Visit
Conference Call Discussion Items

Site Visit Participants

May 16, 2023 Site Visit

James Aidukas and Mike Lindsay, UltraSystems

Tarik Hadj-Hamou, SRK

Gladys Rietze and Alex Castro, LACDPW

Ai-Viet Huynh, LACDRP

Discussion Topics After Reviewing Site Visit Photos

1. City Road Conditions
 - a. Balboa at Woodley and incline down to San Fernando Road - debris and waste liquids odors
 - b. Turning lane into landfill - road condition
 - c. Exit acceleration lane out of landfill - soil piles in lane and on sidewalk
 - d. Retaining wall - soil piles on walkway and wall drainage channel
2. Terminal Basin
 - a. What is the schedule for cleaning the basin?
 - b. Schedule for repairing the outlet riser?
 - c. Has a design plan been developed for the basin's final construction?
 - d. Will the outlet channel be cleaned?
3. Toe Berm
 - a. What is the construction schedule?
 - b. Have vegetation plans been developed for the final slopes?
4. Realigned (new) Road and adjacent basin
 - a. When will the outlet piping be installed?
 - b. What is the schedule for completing the new road?
5. Basin B
 - a. Schedule for removing sediment
 - b. Schedule for repair of the concrete channel wall downstream of basin
6. Basin A Schedule for removing water and sediment
7. City Decks B and C
 - a. Schedule for removing mustard and thistle
 - b. Schedule for planting replacement PM-10 trees
 - c. County sage mitigation status

8. Material Storage Yard
 - a. Removal of inoperable equipment
 - b. Removal of trash and recyclable waste
9. Status of Chatsworth Wetlands Mitigation
10. Any Violations in May
 - a. SCAQMD
 - b. RWQCB
 - c. LEA
 - d. County/City

Please view the photos for this site visit in the Sunshine Canyon Dropbox for May 16, 2023.

[SCL - Site Photos](#)

**SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT**

Monitor: James Aidukas	Page: 1 of 2
Discipline: Project Manager	Date: 5/16/23
Site Conditions: 60-85° F, 0-10 MPH winds	
SITE LOG	
<p>Drove the Granada Hills area near Woodley Avenue, the adjacent neighborhood, and school areas from 7:00 to 7:40 a.m. There were no landfill odors detected. There were liquids stains on Balboa near the traffic light at Woodley and at the Balboa incline at San Fernando Road. There was a slight trash odor at each location. There was trash and soil at the intersection of the incline and San Fernando Road. A street sweeper is needed to clean this area. There was illegal dumping of trash, debris, and tires on the Sierra Highway Road's shoulders near the I-14 overpass. There were deep ruts in the left turning and adjacent northbound lanes on San Fernando Road at the landfill entrance. This road condition could be a hazard for passenger car, small pickup trucks, and motorcycles. Met with Mike Lindsay (UltraSystems), Tarik Hadj-Hamou (SRK), Alex Garcia and Ai-Viet Huynh (LACDRP), Gladys Rietze and Alex Castro (LACDPW). We then proceeded to monitor the site in separate vehicles and observed the following:</p> <ul style="list-style-type: none"> We observed the terminal basin. The westside drainage channel was delivering water into the basin. There also was water being pumped into it from a catch basin located upstream of the terminal basin. The source appeared to be the alluvial drainage system's water. All water was being immediately drained out of the basin through the damaged outlet riser. Some of the basin's concrete walls appear to be uplifted by the prior rainstorm events. Water was also flowing under the concrete floor, which could cause uplifting. The outlet channel to the County flood control channel had rock and sediment discharged into it. There was no removal of sediment from the basin at this time. The sediment will have to dry up or be moved to drain the water. There was no cleanup of the soil from the San Fernando Road's retaining wall slopes soughing soil onto the road's shoulder, the acceleration lane and the wall's drainage channel. Soil was approximately 10-to-12 inches deep on the sidewalk along the frontage wall. The slide above the wall should be evaluated by the stie's geotechnical engineers. The final toe berm has slopes greater than 2-to-1. The feasibility of planting the final type of vegetation on these slopes should be evaluated. Basin B was dry. There are three areas where the native hillside slid into the basin. The stability of these areas should be investigated. No sediment was removed from the basin. The eastside drainage channel downstream of Basin B with the soil washed out on the concrete channel's slope wall has not yet been repaired. Portions of the concrete wall are showing cracks and movement. This should be on the monthly maintenance activity lists. 	

- Basin A's outlet risers were covered with liner material to prevent the risers from releasing water. Water is at the top of the risers. The water is being used for dust control. Control of mosquitos could be a concern.
- Cell CC-4 Part 4 and 5 was accepting waste. There was a slight waste odor at the tipping area. No operational concerns were noted.
- City sage mitigation Deck C was observed. Mustard was not being removed and was growing and spreading. Part of the mister system is not working. The dead PM-10 oak trees were not replaced.
- City sage mitigation Deck B has an area along the landfill road that has mustard growing.
- County sage mitigation slopes were naturally doing well. There was no grading of the bare slopes or planting being done.
- The Closure Turf appeared to be in good condition with no liquids or gas concerns.
- The material storage yard near Basin D has inoperable heavy equipment and recyclable material randomly stored in this area.
- Soil is being hauled into the site and being used from daily cover and also was being stockpiled on the County top deck.
- The employee access road has two areas of the asphalt that appears to have moved and cause humps. The cause of this should be investigated.
- The landslide on the Old City South landfill that slid on the main access is covered with HDPE material and the toe of this soil supported by K-rails. This slide area should be investigated by the site's geotechnical engineer.

Flare Operating Conditions:

- Flare 1 – 1642°F, 2048 SCFM, 37% CH₄, 1.8% O₂, 4 PPM H₂S
- Flare 3 – not accessible
- Flare 9 – 1661°F, 2465 SCFM
- Flare 10 – 1657°F, 2471 SCFM
- Flare 11 – not operating

The gas-to-energy plant was using 8725 SCFM of recovered landfill gas. The gas composition was 42% CH₄, 0.4% O₂, and 54 PPM H₂S. The total volume of recovered gas could not be estimated.

FURTHER REVIEW NEEDED

COMMENTS

Signed: 

**SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT**

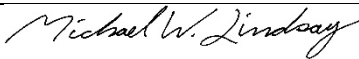
Monitor: Mike Lindsay	Page 1 of 2
Discipline: Environmental Engineer	Date: 05-16-2023 Tuesday
Site Conditions: Partly Cloudy, 56–84 °F, NW 2–12 mph, 69% RH, 61 AQI	
SITE LOG	
<ol style="list-style-type: none"> 1. No odors are present in the adjacent neighborhood and school at 7:30 a.m. Republic odor patrol is active. 2. No odors are present in the Rancho Cascades neighborhood at 7:45 a.m. 3. Illegally-dumped piles of trash and debris are present on Sierra Highway, including large truck tires at the I-14 underpass. 4. Met with Jim Aidukas (UltraSystems), Tarik Hadj-Hamou (SRK), Alex Garcia and Ai-Viet Huynh (LACDRP), and Gladys Rietze and Alex Castro (LACDPW) following in separate vehicles to site locations. 5. The admin and LEA facility are in good order. 6. Street sweepers are cleaning the haul roads. 7. Observed the landslide along the main haul road (near where the road to admin facilities begins), including erosion areas along the old City south slopes. The landslide soil is still covered with liner material, with K-rails placed to prevent soil migration onto roadway. 8. The new sediment basin by the new haul road being constructed is in good order, with some erosion rills present along slopes from recent rain. No water is present in basin. 9. Observed the terminal basin from the northwest ridge, including uplifting concrete side walls. The basin is still releasing water directly into the outlet channel due to a damaged vertical riser drain. 10. Sediment and rock continue to collect in the terminal basin outlet channel due to uncontrolled storm water. 11. Liquid is being pumped from the west temporary basin into the terminal basin via two corrugated pipes at west end. 12. The acceleration lane and sidewalk at entrance are covered with soil. 13. The retaining wall near entrance is loaded from the slope-side with soil and rock, and the drainage channel is blocked with soil. 14. The sewer tie-in near entrance is in good order, with no odors present. 15. The leachate collection system and Alder tanks are in good order with no odors or leaks present. 16. The hydrogen peroxide tanks are in good order, with no leaks present. 17. The scales are in good order, with some water-filled potholes at exit ramps. 18. The odor neutralizer in storage cubes is in good order with no leaks. 19. The eastside drainage channel is in good order, with some sediment present. 20. Sediment basin B has sediment covering most of floor, with some minor soil slides along perimeter slopes due to heavy rain. Water has drained from basin. 21. The County top deck is in good order, with stockpiled soil being used from northwest end. 22. The westside drainage channel is in good order, clear of sediment. 23. Sediment basin A is in good order, with water one-foot from the top of riser drains. 24. The eastside drainage channel is in good order. 25. Traffic spotters are onsite to control traffic. 26. Working area at Cell CC-4 Part 4A/4B/5 is active with tippers, moving floor trucks and packer trucks. 27. City deck C sage mitigation area is in good order, with new growth throughout. 28. Yellow Sahara mustard weed is present in significant numbers in City decks B and C. 	

29. The PM-10 berm is in good order, with misters operating.
30. About 10% of the mitigation oak trees are dead.
31. Flare 1 is operating at 1986 scfm, 1637 °F. Gas sample measured at 37 % Vol. CH₄, 1.8 % Vol. O₂, 24 ppm CO, and 4 ppm H₂S. Gas inlet temperature is 122 °F.
32. City deck B sage mitigation area is in good order, with new growth throughout.
33. The County sage mitigation slopes are in good order, with new growth throughout established vegetation areas.
34. The storage yard is in good order, with no passenger vehicles present.
35. Flare 9 is operating at 2651 scfm, 1665 °F. Gas sample measured at 42 % Vol. CH₄, 0.4 % Vol. O₂, 11 ppm CO, and 54 ppm H₂S. Blowers 1, 2, 4, 5 and 6 are operating. Gas inlet temperature is 125 °F.
36. Flare 10 is operating at 2590 scfm, 1655 °F. Gas inlet temperature is 121 °F.
37. Flare 11 is offline.
38. Sunshine Gas Producers is operating at 8690 scfm.
39. A drainage channel below (southwest) of the flare pad is still blocked with soil and a large tree.
40. Perimeter drainage channel at flare pad is in good order, with sediment filling most of channel.

FURTHER REVIEW NEEDED

1. Remove illegally-dumped trash and debris on Sierra Highway.
2. Repair landslide along main haul road.
3. Repair terminal basin vertical riser drain, and clear the outlet channel of sediment and rock.
4. Remove soil from the entrance accelerator lane, sidewalk and retaining wall.
5. Remove yellow mustard weed from City decks B and C.
6. Replace dead oak trees at PM-10 berm.
7. Clear drainage below flare pad of soil and tree.

Signed:



June 2023

**SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT**

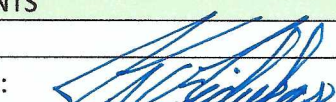
Monitor: James Aidukas	Page: 1 of 2
Discipline: Project Manager	Date: 6/21/23
Site Conditions: 55-80° F, 0-10 MPH winds	
SITE LOG	
<p>Drove the Granada Hills area near Woodley Avenue, the adjacent neighborhood, and school areas from 7:00 to 7:40 a.m. There were no landfill odors detected. The liquids stains on Balboa near the traffic light at Woodley and at the Balboa incline at San Fernando Road were not yet cleaned up by a city sweeper. There was a slight trash odor at each location. The trash and soil that were seen in May at the intersection of the incline and San Fernando Road was not yet cleaned up by a city sweeper. There was illegal dumping of trash, debris, and tires on the Sierra Highway Road's shoulders near the I-14 overpass, and there was also an abandoned small pick-up truck. The deep ruts in the left turning and the adjacent northbound lanes on San Fernando Road at the landfill entrance have not been repaired. This road condition could be a hazard for passenger cars, small pickup trucks, and motorcycles. Met with Mike Lindsay (UltraSystems), Edgar De La Torre and Diana Gonzales (LACDRP), and Alex Castro (LACDPW). We then proceeded to monitor the site in separate vehicles and observed the following:</p> <ul style="list-style-type: none"> • Soil was being excavated from the area up-canyon from where the concrete inlet channel to the terminal basin was removed. Alluvial water was flowing into the excavated hole and was being pumped into the terminal basin. The water could be coming from existing two 90" buried drainpipes that were not removed, which are shown on the A-Mehr Inc. Cell CC-2A/3A design report drawing. The excavation was down to the Old Chantille Road elevation and pieces of the concrete were observed. Bedrock is substantially lower. The City/County CUP conditions require removal down to bedrock. • Observed the terminal sedimentation basin. Water entering the basin was being immediately discharged through the damaged riser. Sediment and rocks were seen in the discharge channel. Some sediment was removed from the basin. Piles of sediment were made to drain water out of the sediment. • The Adler Tanks landfill liquids handling system was operating with no odors or operational concerns. • The access road to the Alder Tanks had the road's surface waters drain plugged and was not draining. • Two of the exit ramps on the scales had minor holes in the gravel/dirt road next to the concrete ramp. • Basin B was dry. No sediment or soil from the native hillside slides were removed. • The eastside drainage channel downstream of Basin B with the soil washed out on the concrete channel's slope wall has not yet been repaired. Portions of the concrete wall are showing cracks and movement. 	

- Dust was observed coming from the access roads that were used by waste and dirt hauling trucks.
- There is a concrete pad that was constructed on the northeastern county top deck. The future use of this pad is unknown by the monitor.
- The northwestern area of the county top is being used to stockpile soil. There is also an area on the deck where tree trunks and large branches are being stockpiled.
- The material storage area is being used to stockpile tires, waste HDPE, scrap steel piping, and inoperable heavy equipment.
- Basin A has most of the water removed. The sediment is thoroughly wet. Soil is being dumped in the basin's northern area and mixed with the wet sediment by a skip loader.
- Cell CC-4 Part 4 and 5 was accepting waste. There was a slight odor at the tipping area. No operational concerns were noted. Approximately 50% of the ADC was covered at 10:00 a.m. Dump trucks are hauling in and stockpiling soil in Cell CC-4.
- City sage mitigation Deck C was observed. Mustard still was not being removed and was growing and spreading. Part of the mister system is not working. The dead PM-10 trees had not been replaced.
- City sage mitigation Deck B has an area along the landfill road that has mustard growing.
- County sage mitigation slopes were naturally doing well. There was no grading of the bare slopes or planting being done.
- The Closure Turf appeared to be in good condition with no liquids or gas concerns.
- The Old City South had the large trees and other vegetation removed on the slopes from the oil field road to up-canyon of where the slide occurred.
- The new access road had more soil placed near the edge of the oil field road. The road was not widened around the new basin.
- The outer landfill ridgeline vegetation facing the southeast was removed and a road graded on the ridgeline top. There are City/County CUP conditions protecting the landfill ridgelines.

Flare Operating Conditions:

- Flare 1 – 1629°F, 2251 SCFM, 41% CH₄, 0.8% O₂, 5 PPM H₂S
- Flare 3 – 1632°F, 2414 SCFM, 43% CH₄, 0.1% O₂, 2 PPM H₂S
- Flare 9 – 1654°F, 2542 SCFM
- Flare 10 – 1651°F, 2487 SCFM
- Flare 11 – 1666°F, 2549 SCFM

The gas-to-energy plant was down for maintenance. The gas composition was 44% CH₄, 0.2% O₂, and 50 PPM H₂S. The total volume of recovered gas was 12,249 SCFM.

FURTHER REVIEW NEEDED
COMMENTS
Signed: 

**SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT**

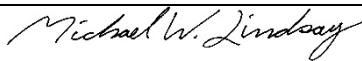
Monitor: Mike Lindsay	Page 1 of 2
Discipline: Environmental Engineer	Date: 06-21-2023 Wednesday
Site Conditions: Clear, 54–80 °F, SSE 3–8 mph, 42% RH, 39 AQI	
SITE LOG	
<ol style="list-style-type: none"> 1. No odors are present in the adjacent neighborhood and school at 7:15 a.m. Republic odor patrol is active. 2. An abandoned vehicle and illegally-dumped piles of trash and debris are present on Sierra Highway, including large truck tires at the I-14 underpass. 3. Workers are excavating and repairing the westside drainage channel along the main haul road. 4. Met with Jim Aidukas (UltraSystems), Edgar De La Torre and Diana Gonzalez (LACDRP), and Alex Castro (LACDPW) following in separate vehicles to site locations. 5. The admin and LEA facility are in good order. 6. Street sweepers are cleaning the haul roads. 7. Observed the landslide along the main haul road (near where the road to admin facilities begins), including erosion areas along the old City south slopes. The landslide soil is still covered with liner material, with K-rails placed to prevent soil migration onto roadway. 8. Observed the terminal basin from the northwest ridge, including uplifting concrete side walls. The basin is still releasing alluvial water directly into the outlet channel due to a damaged vertical riser drain. Some sediment has been piled-up to dry before removal. 9. Sediment and rock continue to collect in the terminal basin outlet channel due to uncontrolled alluvial water. 10. The leachate collection system and Alder tanks are in good order with no odors or leaks present. 11. The road drain at the tank farm is blocked with soil. 12. The hydrogen peroxide tanks are in good order, with no leaks present. 13. The scales are in good order, with water trucks watering the exit roadway. 14. The odor neutralizer in storage cubes is in good order with no leaks. 15. The eastside drainage channel is in good order, with some sediment present. 16. Sediment basin B has sediment covering most of floor, with some minor soil slides along perimeter slopes due to heavy rain. Green vegetation is growing on sediment. 17. The County top deck is in good order, with stockpiled soil being used from northwest end. 18. The westside drainage channel is in good order, clear of sediment. 19. Sediment basin A is in good order, with some water remaining near riser drains. A bulldozer is pushing soil over the northeast wall of basin. 20. Traffic spotters are onsite to control traffic. 21. Working area at Cell CC-4 Part 4A/4B/5 is active with tippers, moving floor trucks and packer trucks. ADC is 50% covered with new trash at 10:15 am. 22. Soil is being imported and piled inside of Cell CC-4 Part 4. 23. No seeps are present along northeast slopes above working areas. 24. The City north closure turf is in good order with no odors present. 25. City deck C sage mitigation area is in good order, with new growth throughout. 26. Yellow Sahara mustard weed is present in significant numbers in City decks B and C. 27. The PM-10 berm is in good order, with misters operating. 28. About 10% of the mitigation oak trees are dead. 29. Some large dead trees are present south of the perimeter fencing at City deck C. 	

30. Flare 1 is operating at 2267 scfm, 1629 °F. Gas sample measured at 41 % Vol. CH₄, 0.8 % Vol. O₂, 28 ppm CO, and 5 ppm H₂S. Gas inlet temperature is 121 °F.
31. City deck B sage mitigation area is in good order, with new growth throughout.
32. Flare 3 is operating at 2396 scfm, 1654 °F. Gas sample measured at 43 % Vol. CH₄, 0.1 % Vol. O₂, 26 ppm CO, and 2 ppm H₂S. Gas inlet temperature is 144 °F.
33. The County sage mitigation slopes are in good order, with new growth throughout established vegetation areas.
34. The storage yard has broken-down equipment and used tires present.
35. Sediment basin D has a soil berm that has been placed near the eastside drainage channel to divert water from the westside drainage, probably for construction purposes.
36. Flare 9 is operating at 2547 scfm, 1664 °F. Gas sample measured at 44 % Vol. CH₄, 0.2 % Vol. O₂, 5 ppm CO, and 50 ppm H₂S. Blowers 1, 2, 3, 4, 5 and 6 are operating. Gas inlet temperature is 129 °F.
37. Flare 10 is operating at 2580 scfm, 1651 °F. Gas inlet temperature is 125 °F.
38. Flare 11 is operating at 2567 scfm, 1701 °F. Gas inlet temperature is 118 °F.
39. Sunshine Gas Producers is offline for maintenance.
40. A drainage channel below (southwest) of the flare pad is still blocked with soil and a large tree.
41. Perimeter drainage channel at flare pad is in good order, with sediment filling most of channel.
42. The secondary access road is in good order.
43. The north perimeter gate is propped open.

FURTHER REVIEW NEEDED

1. Remove abandoned vehicle and illegally-dumped trash and debris on Sierra Highway.
2. Repair landslide along main haul road.
3. Repair terminal basin vertical riser drain, and clear the outlet channel of sediment and rock.
4. Unblock the road drain at the tank farm.
5. Remove yellow mustard weed from City decks B and C.
6. Replace dead oak trees at PM-10 berm.
7. Clear drainage below flare pad of soil and tree.

Signed:



**SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT**

Monitor: Michelle Tollett	Page 1 of 1
Discipline: Environmental Engineer	Date: 06-22-2023 Thursday
Site Conditions: Clear	
SITE LOG	
1. Performed oak tree survey at the PM-10 berm. Survey results, including data, maps and report, will be completed in July, 2023.	
FURTHER REVIEW NEEDED	
Signed:	