

**Sunshine Canyon Landfill
Independent Monitor
Quarterly Site Monitoring Status Report
October 1, 2022 – December 31, 2022**

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:

January 12, 2023

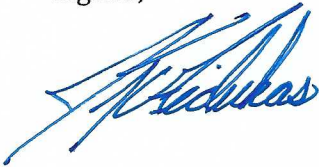
CERTIFICATION STATEMENT

January 12, 2023

The attached Quarterly Site Monitoring Status Report for the Sunshine Canyon Landfill dated January 12, 2023 is the Fourth Quarterly Report for 2022, issued by UltraSystems. This report covers the monitoring period from October 1, 2022 through December 31, 2022 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..... 3

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-j through I-l

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 October 1, 2022 to December 31, 2022. It includes:

1. The City and County Mitigation Monitoring Summary spreadsheets for October 1, 2022 to December 31, 2022. These spreadsheets record the areas of monitoring completed and the status of being compliant during the fourth quarter of 2022;
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 October to December 2022 quarter in order to observe operational site activities and determine compliant status with conditions and/or mitigation measures. They were performed on October 24, 2022; November 29, 2022; and December 19, 2022. A remote site monitoring conference call was held in lieu of normal site monitoring visit meetings in October, with after-site visit discussion with Republic staff in August and September.

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 4th Quarter. The grading that occurred was for construction of the final main access road and drainage channel around the road. 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. In the 4th Quarter, the new access road had soil placed to near final elevations from the entrance on San Fernando Road to the oil field road above the new basin. There was no soil

compaction equipment except for soil haul trucks and scrapers. The new road construction and final toe berm will need a substantial amount more soil importation. The completion of these improvements is scheduled for 2023. Grading up the canyon from the terminal basin was occurring. Alluvial water was being collected in a large, excavated hole and was being removed by a gasoline-driven pump. Where it was going could not be determined. Soil was being moved by scrapers from the new access road stockpile to the location. Trucks were also bringing soil there. 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 it. The soil quantity trucked in was not being recorded at the scales nor by a field observer. Cells CC-4 Part 3 and CC-4 Part 4A, 4B and 5 were the only areas accepting waste during the 4th 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 4th 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. The dust was not observed leaving the site. The current disposal areas are small cells and are non-contiguous. In the near future, when large contiguous cells are used for disposal, more permanent access roads need to be constructed. They should be surfaced with recycled aggregate or soil stabilizer.

Q-C.5 (City)

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

Current Status/Comments – In the 4th 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 late October, the gas-to-energy plant was using 8914 SCFM of recovered landfill gas. Flare 1: 1631 SCFM; Flare 3: not operating; Flare 9: not operating; Flare 10: 2961 SCFM; Flare 11: 2953 SCFM. The total volume of landfill gas being recovered and flared was 16,459 SCFM.

In late November, the gas-to-energy plant was using 8670 SCFM of recovered landfill gas. Flare 1: 1779; Flare 3: not operating; Flare 9: not operating; Flare 10: not operating; Flare 11: 3270 SCFM. The total volume of landfill gas being recovered was 13,719 SCFM.

In mid-December, the gas-to-energy plant was using 8532 SCFM of recovered landfill gas. Flare 1: 1634 SCFM; Flare 3: not operating; Flare 9: not operating; Flare 10: 2339 SCFM; Flare 11: 2378 SCFM. The total volume of landfill gas being recovered was 14,883 SCFM.

Throughout the 4th Quarter, the monthly average quantity of landfill gas being recovered was 15,020 SCFM, with the gas-to-energy plant monthly average usage 8707 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.

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 4th Quarter for waste disposal. Grading for the road realignment was done in the small valley south of the current main access road. The use was approved in the original CUP for ancillary uses. 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. Compliance with County Geology - 1.07 CUP Condition was not able to be verified by the monitor or County departments. The rainwater control system for the new access road and sedimentation basin had uncontrolled rainwater impact the Gas Company's facility and San Fernando Road. How and where the new basin will discharge rainwater was not provided.

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 4th 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 4th 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. The areas where the County top deck stockpile soil was removed which had isolated, deep depressions had prior significant ponding from rain events were being filled and graded. Revegetation 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 4th Quarter, no landfill odors were detected in the adjacent neighborhoods

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 had started. 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, and drainage improvements in the ravine south of the current entrance and modifications to the terminal basin's size and inlet sources. The design plans and design details and 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 map showing areas that are at the final elevations and which should have final cover should be available for review. Documents showing current filled elevations should also be available onsite for review.

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 4th 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 are developed and implemented. The erosion control plans should be available for agency and monitor's review. The County top deck was a concern due to areas of the deck that were not yet filled with soil and graded to have adequate drainage.

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 – All of the basins were cleared of sediment prior to October 1st. The channels were free of sediment on all but the eastside drainage system. Those channels had vegetation growing in the concrete, while brush and areas with an accumulation of sediment and windblown litter were blocking water flow. In the 4th Quarter, major modifications were made to the terminal basin and inlet channels. No hydrology reports were available to the monitor or the County.

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 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.

In the 4th 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. There were two areas of the eastside channel that were blocked with mud and rock, debris and brush. One was fully blocked and the other one with minimal flow capacity. A concrete channel wall south of Basin B has the soil supporting the wall washed away by rain.

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 4th 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 4th 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 areas. 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 4th 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 4th 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 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 4th 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 4th Quarter of 2022, the north and south perimeter gates was observed to be 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 4th 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, with no non-compliant conditions observed, as Republic was in the engineering, planning, or implementation phases of each. 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. Access to engineering data and plans being implemented are necessary to verify compliance with City and County CUP conditions.

The 2022 4th 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 (10-01-2022 through 12-31-2022)

Line #	Reference #	Mitigation #	City Mitigation Measures and Conditions Monitored by Discipline	Monitoring Frequency	Third Quarter 2022												Fourth Quarter 2022											
					4/25/2022	Status*	Further Review Needed/Comments**	Resolved*	5/23/2022	Status*	Further Review Needed/Comments**	Resolved*	6/27/2022	Status*	Further Review Needed/Comments**	Resolved*	10/24/2022	Status*	Further Review Needed/Comments**	Resolved*	11/29/2022	Status*	Further Review Needed/Comments**	Resolved*	12/19/2022	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-g		✓	C	I-h		✓	C	I-i		✓	C	I-j		✓	C	I-k		✓	C	I-l	
9	Q - B.2.c.		Ancillary Uses and Facilities	ongoing	✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	
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	✓	FRN	NONE		✓	FRN	NONE		✓	FRN	NONE		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	
17	Q - C.3.h.		Surfacing of Access Roads	ongoing	✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	
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-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	
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

Sunshine Canyon Landfill City Mitigation Monitoring Summary

(10-01-2022 through 12-31-2022)

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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-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	
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-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	
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-g		/		I-h		/		I-i		/		I-j		/		I-k		/		I-l	
38	M - 4.2.13	30	Operational Odor Control Techniques	ongoing	/		I-g		/		I-h		/		I-i		/		I-j		/		I-k		/		I-l	
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	/		I-g		/		I-h		/		I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	
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-g		/		I-h		/		I-i		/		I-j		/		I-k		/		I-l	
43			Periodic LFG Monitoring		/		I-g		/		I-h		/		I-i		/		I-j		/		I-k		/		I-l	
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-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	
46	M - 4.4.2	69	Offsite Mitigation Sites	status	✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	
47	M - 4.4.2	70	Purchasing Wetland Credit	status	✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	
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-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	
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-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	
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-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	
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	✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	
71	M - 4.1.1	5	Grading Activity Compliance	ongoing	✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	
72	M - 4.1.2	8	Landslide Guidelines	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
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		✓	C	NONE		✓	C	NONE		✓	C	NONE	
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		✓	C	NONE		✓	C	NONE		✓	C	NONE	
80	M - 4.1.6	16	Cut and Fill Slope Gradients	ongoing	✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	
81	M - 4.1.6	17	Final Slope Factors of Safety	ongoing	✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	
82	M - 4.1.6	18	Survey Monuments	ongoing	✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	
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-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	
88	M - 4.14.1	155	Access Roadway Grade	ongoing	✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	
89	M - 4.18	178	Landfill Elevation Exceedance	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	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-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	
96	M - 4.3.1	37	Surface Drainage Systems	ongoing	✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	
97	M - 4.3.1	38	Permanent/Temporary Ditches	ongoing	✓	C	I-g		✓	C	I-h		✓	FRN	I-i		✓	C	I-j		✓	C	I-k		✓	FRN	I-l	
98	M - 4.3.1	39	Drainage Protection	ongoing	✓	C	I-g		✓	C	I-h		✓	FRN	I-i		✓	C	I-j		✓	C	I-k		✓	FRN	I-l	
99	M - 4.3.1	40	SWRCB Permit Coverage	ongoing	✓	C	I-g		✓	C	I-h		✓	C	I-i		✓	C	I-j		✓	C	I-k		✓	C	I-l	
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-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	
103	M - 4.3.1	44	Final Landfill Cover	ongoing																								
104	M - 4.3.1	45	Erosion Control Plan	ongoing	✓	C	I-g		✓	C	I-h		✓	C	I-i		✓	C	I-j		✓	C	I-k		✓	C	I-l	
105	M - 4.3.1	46	Preventive Maintenance Program	ongoing	✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	

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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-g		✓	C	I-h		✓	C	I-i		✓	C	I-j		✓	C	I-k		✓	C	I-l	
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-g		✓	C	I-h		✓	C	I-i		✓	C	I-j		✓	C	I-k		✓	C	I-l	
114	M - 4.2.11	23	Revegetation/Excavation	ongoing	✓	C	I-g		✓	C	I-h		✓	C	I-i		✓	C	I-j		✓	C	I-k		✓	C	I-l	
115	M - 4.2.12		Temporary Vegetation Cover	ongoing	✓	C	I-g		✓	C	I-h		✓	C	I-i		✓	C	I-j		✓	C	I-k		✓	C	I-l	
116	M - 4.4.1	60	Coastal Sage Scrub Mitigation Plan	ongoing	✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	
117	M - 4.4.1	61	Coastal Sage Scrub Seeding	ongoing																								
118	M - 4.4.1	62	Mariposa Lily Mitigation Plan	ongoing	✓	C	I-g		✓	C	I-h		✓	C	I-i		✓	C	I-j		✓	C	I-k		✓	C	I-l	
119	M - 4.4.1	63	San Diego Horned Lizard Mitigation	ongoing	✓	C	I-g		✓	C	I-h		✓	C	I-i		✓	C	I-j		✓	C	I-k		✓	C	I-l	
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-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	
136	M - 4.9.2	96	Vector Activity Monitoring	ongoing	✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	
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-j		✓	FRN	I-k		✓	FRN	I-l	
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-i		✓	C	NONE		✓	C	NONE		✓	FRN	I-i	
185	M - 4.14.1	147	Fire Response Capabilities	ongoing	✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	
186	M - 4.14.1	148	Hydrant Installation	ongoing																								
187																												
188	Archaeologist																											
189																												
190																												
191	M - 4.19.1	183	Archaeological Resurvey	ongoing	✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	
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-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	
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-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	

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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-g		/		I-h		/		I-i		/		I-j		/		I-k		/		I-l	
7	Amendment 45.N - 4.c	45N	Odor Patrol Program	ongoing	/		I-g		/		I-h		/		I-i		/		I-j		/		I-k		/		I-l	
8	Amendment 45.N - 4.d	45N	Landfill Gas Mitigation Plan	ongoing	/		I-g		/		I-h		/		I-i		/		I-j		/		I-k		/		I-l	
9	Amendment 45.N - 5	45N	Dust and Odor Reports	ongoing	/		I-g		/		I-h		/		I-i		/		I-j		/		I-k		/		I-l	
10																												
11	Combined Site & Bridge Area -20.A	20.A	Joint Powers Authority	info	/				/				/				/				/				/			
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-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	
15	Revegetation - 44.F	44.F	Revegetation	status	✓	C	I-g		✓	C	I-h		✓	C	I-i		✓	C	I-j		✓	C	I-k		✓	C	I-l	
16	Fugitive Dust - 45.B	45.B	Working Face Areas	ongoing	✓	C	I-g		✓	C	I-h		✓	C	I-i		✓	C	I-j		✓	C	I-k		✓	C	I-l	
17	Fugitive Dust - 45.F	45.F	Inactive Areas Monitoring	ongoing	✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	
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-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	
20	Gas - 52	52	Landfill Gas Collection System	ongoing	✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	
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-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	
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-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	
29	Alternative Fuel Vehicles - 77.B	77.B	Alternative Fuel Vehicles-Refuse/Collection Trucks	status	✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	
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-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	
33	Alternative Fuel Vehicles - 77.F	77.F	Alternative Fuel Vehicles-Non-diesel Truck Trip Requirements	status	✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	
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-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	
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-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	
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	/				/				/				/				/				/			
46	Surface Water - 2.15		Surface Water Preventive Maintenance Program	ongoing	✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	

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47	Groundwater - 3.13		Groundwater-LFG Migration Mitigation	ongoing	✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	
48	Groundwater - 3.14		Groundwater-Monitoring Wells	ongoing	✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	
49	BIOTA – 4.05		Annual Fee Submission for SEA Studies	status	/				/				/				/				/				/			
50	BIOTA – 4.06		Buffer Zone Maintenance as Nature Preserve	ongoing	✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	
51	BIOTA – 4.07		Buffer Zone Maintenance-Vegetation	ongoing	✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	
52	BIOTA – 4.08		Ridgeline Maintenance-Remain Undisturbed	ongoing	✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	
53	BIOTA – 4.47		Cleaning of Equipment	ongoing	✓	C	NONE		✓	C	NONE		✓	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-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	
56	BIOTA – 4.50		Vector Activity Monitoring	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
57	Air Quality - 6.03		Dust Emission Minimization	ongoing	✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	
58	Air Quality - 6.04		Usage of Cut Material for Cover	ongoing	✓	C	NONE		✓	C	NONE		✓	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-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	
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-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	
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-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	
90	Visual – 10.11		Litter Control-Fencing	ongoing	✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	
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-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	
93	Visual – 10.12		Discharge Control/Litter Recovery	status																								
94	Water Conserv. - 11.01		Water Conservation	ongoing	✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	
95	Recycling - 14.01		On-site Waste Diversion/Recycling	ongoing	✓	C	NONE		✓	C	NONE		✓	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-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	
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		✓	FRN	NONE		✓	FRN	NONE	
104	Landfill Operation - 18.7		Graffiti Removal/Deterrent Plan	ongoing	✓	C	NONE		✓	C	NONE		✓	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-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	
127																												
128	Geology - 1.01		Survey Monument Locations	ongoing	✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	
129	Geology - 1.02		Seismic Design	ongoing																								
130	Geology - 1.03		Maximum Refuse Slope Gradients	ongoing	✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	
131	Geology - 1.04		Maximum Refuse Slope Gradients	ongoing	✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	
132	Geology - 1.05		Unsuitable Material Procedures	ongoing																								

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133	Geology - 1.06		Grading Activities Procedures	ongoing	✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	
134	Geology - 1.07		Grading Activities Procedures	ongoing	✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	
135	Geology - 1.09		Outer Perimeter Ridgeline Requirements	info	✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	
136	Geology - 1.12		Soil Stabilization	ongoing	✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	
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																								
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-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	
142	Surface Water - 2.05		Underdrain Requirements	ongoing													✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	
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-j		✓	FRN	I-k		✓	FRN	I-l	
147	Visual – 10.01		Landfill Elevations	ongoing	✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	
148	Visual – 10.02		Final Fill Elevations	ongoing	✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	
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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157	Surface Water - 2.02		Surface Water Runoff Collection	ongoing																								
158	Surface Water - 2.03		Surface Drainage Control-Maintenance	ongoing	✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	
159	Surface Water - 2.04		Sedimentation Basin Capabilities	ongoing																								
160	Surface Water - 2.05		Underdrain Placement	ongoing	✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	
161	Surface Water - 2.07		Drainage Control System Design Approval	ongoing	✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	
162	Surface Water - 2.08		Surface Water Runoff-Drainage System	ongoing																								
163	Surface Water - 2.10		Surface Water Collection System-Monitoring	ongoing	✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	
164	Surface Water - 2.11		Surface Water Quality-Collection/Monitoring	ongoing																								
165	Surface Water - 2.12		Permanent/Temporary Drainage Facilities	ongoing	✓	C	I-g		✓	C	I-h		✓	C	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	
166	Surface Water - 2.13		Permanent/Temporary Drainage Facilities	ongoing																								
167	Surface Water - 2.14		Erosion Control Plan	ongoing	✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	
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-g		✓	C	I-h		✓	C	I-i		✓	C	I-j		✓	C	I-k		✓	C	I-l	
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-g		✓	C	I-h		✓	C	I-i		✓	C	I-j		✓	C	I-k		✓	C	I-l	

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181	Geology - 1.14		Personnel Retention for Monitoring Soil Erosion	ongoing	✓	C	I-g		✓	C	I-h		✓	C	I-i		✓	C	I-j		✓	C	I-k		✓	C	I-l	
182	Groundwater - 3.11		Irrigation/Revegetation Management- Personnel Retention	ongoing																								
183	BIOTA – 4.10		Oak Tree Permit	ongoing	✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	
184	BIOTA – 4.11		Oak Tree Mitigation Plan	ongoing	✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	
185	BIOTA – 4.13		Oak Tree Mitigation Counting	ongoing	✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	
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-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	
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-g		✓	C	I-h		✓	C	I-i		✓	C	I-j		✓	C	I-k		✓	C	I-l	
202	BIOTA – 4.43		Replacement Riparian Habitat	status	✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	
203	Air Quality - 6.02		Dust Control	ongoing	✓	C	I-g		✓	C	I-h		✓	C	I-i		✓	C	I-j		✓	C	I-k		✓	C	I-l	
204	Visual – 10.06		Upper Ridge Planting/Revegetation	ongoing																								

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205	Visual – 10.07		Tree Planting Around Perimeter	ongoing	✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	
206	Visual – 10.08		Cover/Revegetation Requirements	ongoing	✓	C	I-g		✓	C	I-h		✓	C	I-i		✓	C	I-j		✓	C	I-k		✓	C	I-l	
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	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
209	Visual – 10.08		Final Fill Slopes-Reclamation/Revegetation	status																								
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																								
212	Visual – 10.10		Buffer Zone Maintenance	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
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-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	
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-g		✓	C	I-h		✓	C	I-i		✓	C	I-j		✓	C	I-k		✓	C	I-l	
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-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	
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-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	
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

(10-01-2022 through 12-31-2022)

Line #	Reference #	Mitigation #	County Mitigation Measures and Conditions Monitored by Discipline	Monitoring Frequency	Third Quarter 2022												Fourth Quarter 2022											
					4/25/2022	Status*	Further Review Needed/Comments**	Resolved*	5/23/2022	Status*	Further Review Needed/Comments**	Resolved*	6/27/2022	Status*	Further Review Needed/Comments**	Resolved*	10/24/2022	Status*	Further Review Needed/Comments**	Resolved*	11/29/2022	Status*	Further Review Needed/Comments**	Resolved*	12/19/2022	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-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	
279	Archaeological – 5.03		Onsite Paleontologist	ongoing	✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	
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-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	
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-j through I-l Fourth Quarter 2022 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-j through I-l: There was no grading outside of the approved landfill development limits during the 4th Quarter. The grading that occurred was for construction of the final main access road and drainage channel around the road. 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. In the 4th Quarter, the new access road had soil placed to near final elevations from the entrance on San Fernando Road to the oil field road above the new basin. There was no soil compaction equipment except for soil haul trucks and scrapers. The new road construction and final toe berm will need a substantial amount more soil importation. The completion of these improvements is scheduled for 2023. Grading up the canyon from the terminal basin was occurring. Alluvial water was being collected in a large, excavated hole and was being removed by a gasoline-driven pump. Where it was going could not be determined. Soil was being moved by scrapers from the new access road stockpile to the location. Trucks were also bringing soil there. 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 it. The soil quantity trucked in was not being recorded at the scales nor by a field observer. Cells CC-4 Part 3 and CC-4 Part 4A, 4B and 5 were the only areas accepting waste during the 4th 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-j through I-l: See Q – B.2.c above.
		Geology - 1.12	County DPW EPD/SCL-LEA	I-j through I-l: See Q – B.2.c above.
	Q - C.3.h		City Planning	I-j through I-l: In the 4th 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. The dust was not observed leaving the site.
	Q - C.10.c		City Planning	<p>I-j: The gas-to-energy plant was using 8914 SCFM of recovered landfill gas . Flare 1: 1631 SCFM; Flare 3: not operating; Flare 9: not operating; Flare 10: 2961 SCFM; Flare 11: 2953 SCFM. The total volume of landfill gas being recovered and flared was 16,459 SCFM.</p> <p>I-k: The gas-to-energy plant was using 8670 SCFM of recovered landfill gas. Flare 1: 1779; Flare 3: not operating; Flare 9: not operating; Flare 10: not operating; Flare 11: 3270 SCFM. The total volume of landfill gas being recovered was 13,719 SCFM.</p> <p>I-l: The gas-to-energy plant was using 8532 SCFM of recovered landfill gas. Flare 1: 1634 SCFM; Flare 3: not operating; Flare 9: not operating; Flare 10: 2339 SCFM; Flare 11: 2378 SCFM. The total volume of landfill gas being recovered was 14,883 SCFM.</p> <p>I-j through I-l: The monthly average quantity of landfill gas being recovered in the 4th Quarter was 15,020 SCFM, with the gas-to-energy plant monthly average usage 8707 SCFM. Republic has stated that they are pursuing options for using the excess recovered gas that is now being flared.</p>
		Odor/Landfill Gas - 7.07	County Planning/SCAQMD SCL-LEA	I-j through I-l: See Q - C.10.c above.

Discipline	City Condition Reference # / Mitigation #	County Condition Reference # / Mitigation #	Responsible Agency	Further Review Needed – Comments
Project Manager		Gas - 52	County DPW EPD/SCL-LEA County Forester Fire Warden	I-j through I-l: See Q - C.10.c above.
	T-4		City Planning, City Fire Department	I-j through I-l: 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-j through I-l: See T-4 above.
	M - 4.1.1 / 4	M - Earth Resources	City Department of Building and Safety	I-j through I-l: The rainwater control system for the new access road and sedimentation basin has uncontrolled rainwater impact 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 available to be monitored. Drainage improvements, engineering calculations and plans for the whole landfill site were not available to the monitor.
	M - 4.1.1 / 7		City Planning, DOGGR	I-j through I-l: 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-j through I-l: See M - 4.1.1 / 7 above.
	M - 4.1.4 / 11	Post-5.0 Earthquake Analysis	City Planning	I-j through I-l: There were no earthquakes of 5.0 or greater during this monitoring period.
	M - 4.2.12 / 26 and 28		City Planning/SCAQMD	I-j through I-l: During the 4th 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-j through I-l: See M - 4.2.12 / 28 above.
	M - 4.2.13 / 29, 30, 32, 33, and 34		City Planning/SCL-LEA/SCAQMD	I-j through I-l: 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-j through I-l: See M -4.2.13/ 29, 30, 32, 34 above.
		Amendment 45.N-5	County DPW-EPD	I-j through I-l: 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 4th Quarter, there were no landfill odors detected in the adjacent neighborhoods.

Discipline	City Condition Reference # / Mitigation #	County Condition Reference # / Mitigation #	Responsible Agency	Further Review Needed – Comments
Project Manager	M - 4.2.13 / 34		City Planning/SCAQMD	I-j through I-l: See M-4.2.13/29, 30, and 32 above.
		Odor/Landfill Gas - 7.06	County DPW-EPD/SCL-LEA/SCAQMD	I-j through I-l: See M-4.2.13/33 above.
		Amendment 45.N - 4.a, 4.c, 4.d	County DPW-EPD	I-j through I-l: See M-4.2.13/29, 30, 32, and 34 above.
		Amendment 45.N - 5	County DPW-EPD	I-j through I-l: See M-4.2.13/29, 30, 32, and 34 above.
		Surface Water - 2.15	County DPW EPD/ LARWQCB, SCL- LEA	<p>I-j through I-l: 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 4th 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. There were two areas of the eastside channel that were blocked with mud and rock, debris and brush. One was fully blocked and the other one with minimal flow capacity. A concrete channel wall south of Basin B has the soil supporting the wall washed away by rain.</p>
	M - 4.4.2/ 69		City Planning	I-j through I-l: The status on providing offsite wetland and riparian mitigation has not changed in the 4th 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 Chatsworth Dam mitigation site needs to be evaluated as still being a potential mitigation site.
		Biota - 4.4.3	CDFW	I-j through I-l: See M - 4.4.2 / 69 above.
	M - 4.9.3 / 110		City Planning/City LEA	I-j through I-l: In the 4th Quarter, there was no litter or illegal dumping observed in the adjacent neighborhood. There was illegal dumping on Sierra Highway.

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-j through I-l: See M - 4.1.1 / 5 below.
	M - 4.1.1 / 4		City Planning/LARWQCB Cal Recycle	I-j through I-l: See M - 4.1.1 / 5 below.
	M - 4.1.1 / 5		City Planning/ LARWQCB Cal Recycle	I-j through I-l: There was no grading outside of the approved landfill development limits during the 4th Quarter. Grading for the road realignment was done in the small valley south of the current main access road. The use was approved in the original CUP for ancillary uses. 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. Compliance with County Geology - 1.07 was not able to be verified by the monitor.
		Geology - 1.07	County DPW EPD/ County LEA	I-j through I-li: See M - 4.1.1 / 5 above.
	M - 4.1.5 / 12		City Planning/LARWQCB Cal Recycle	I-j through I-l: See M - 4.1.1 / 5 above.
	M - 4.1.6 / 18			I-j through I-l: 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-j through I-l: 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-j through I-l: A map showing areas that are at the final elevations and which should have final cover should be available for review. Documents showing current filled elevations should also be available onsite for review.
		Visual - 10.01 Visual - 10.02	County DPW EPD/ LARWQCB SCL-LEA	I-j through I-l: See M - 4.18 / 178 above.

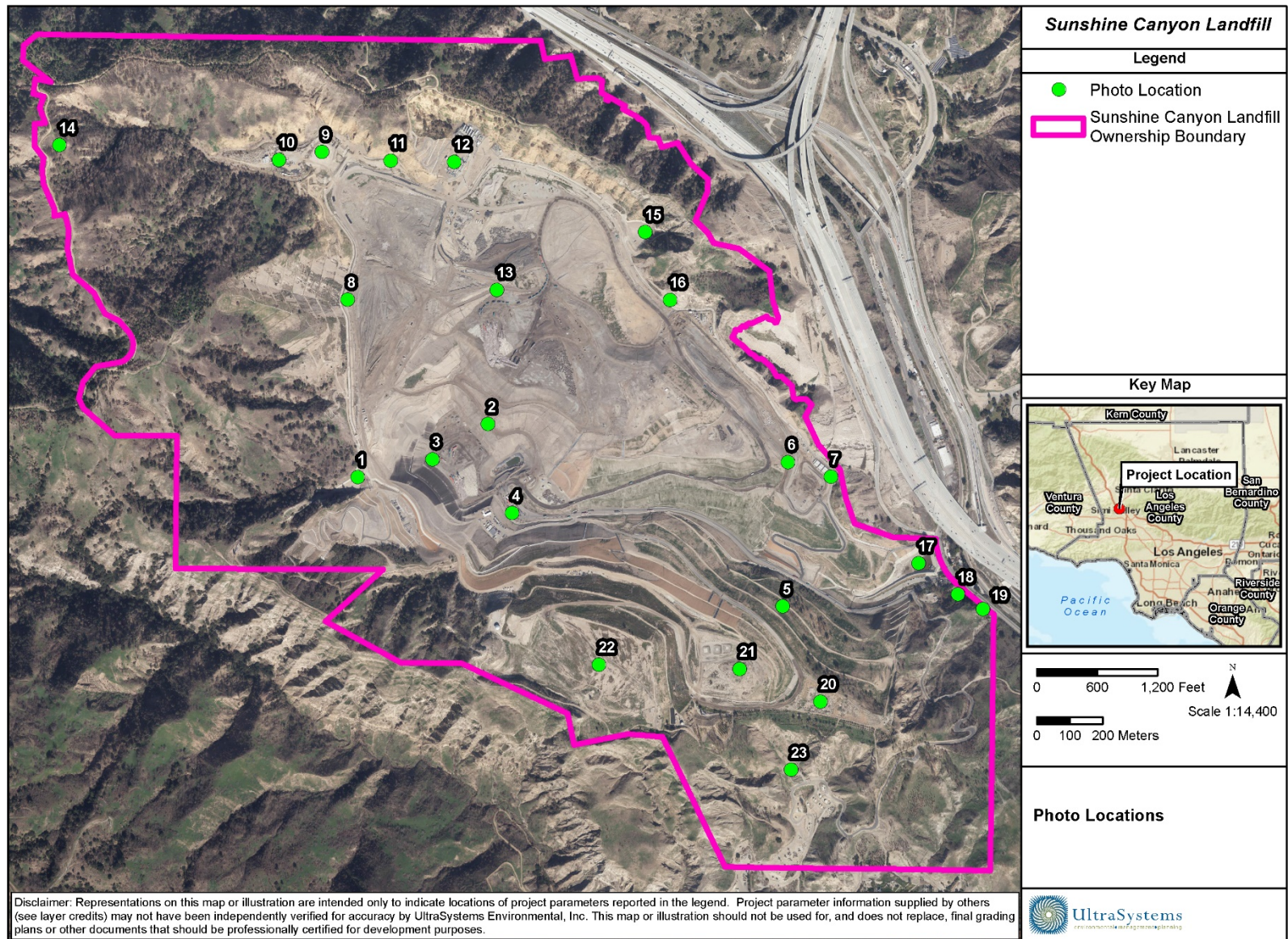
Discipline	City Condition Reference # / Mitigation #	County Condition Reference # / Mitigation #	Responsible Agency	Further Review Needed – Comments
Civil and Geotechnical Engineer	M - 4.3.1 / 37, 38		City Planning/ LARWQCB CalRecycle SCL-LEA PW-BOE	I-j through I-l: Surface drainage systems were in place 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 had started. 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, and drainage improvements in the ravine south of the current entrance and modifications to the terminal basin's size and inlet sources. The design plans and design details and 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-j through I-l: See M - 4.3.1 / 37, 38 above.
	M - 4.3.1 / 39		City Planning/LARWQCB Cal Recycle	I-j through I-l: See M - 4.3.1 / 37, 38 above.
	M - 4.3.1 / 40		City Planning/ LARWQCB CalRecycle SCL-LEA PW-BOE LADBS	I-j through I-l: See M - 4.3.1 / 37, 38 above.
	M - 4.3.1 / 43		City Planning/ LARWQCB CalRecycle SCL-LEA PW-BOE LADBS	I-j through I-l: All of the basins were cleared of sediment prior to October 1st. The channels were free of sediment on all but the eastside drainage system. Those channels had vegetation growing in the concrete, while brush and areas with an accumulation of sediment and windblown litter were blocking water flow. In the 4th Quarter, major modifications were made to the terminal basin and inlet channels. No hydrology reports were available to the monitor or the County.
		Surface Water - 2.10	LARWQCB / County DPW EPD	I-j through I-l: See M - 4.3.1 / 37, 38 and 43 above.
		Surface Water - 2.14	LARWQCB / County DPW EPD	I-j through I-l: See M - 4.3.1 / 37, 38 and 43 above. The current erosion control plans should be available for agency and monitor review.
	M - 4.3.1 / 46		City Planning/ LARWQCB CalRecycle PW-BOE	I-j through I-l: 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-j through I-l: 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 4th 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-j through I-l: See M - 4.2.12 / 28 above.
		Geology - 1.14	LARWQCB/ County Forester	I-j through I-l: See M - 4.2.12 / 28 above.
	M - 4.2.11 / 23		City Planning	I-j through I-l: See M - 4.2.12 / 28 above.
		Geology - 1.13	County DPW EPD/ County Forester LARWQCB	I-j through I-l: See M - 4.2.12 / 28 above.
	M - 4.2.12		SCL-LEA/ City Planning	I-j through I-l: See M - 4.2.12 / 28 above.
		Revegetation - 44.A	SCL-LEA/ County DPW EPD Regional Planning County Biologist	I-j through I-l: See M - 4.2.12 / 28 above.
		Revegetation - 44.F	SCL-LEA/ County DPW EPD Regional Planning County Biologist	I-j through I-l: See M - 4.2.12 / 28 above.
		Biota - 4.42	SCL-LEA	I-j through I-l: See M - 4.2.12 / 28 above.
		Air Quality - 6.02	SCAQMD/ SCL-LEA	I-j through I-l: See M - 4.2.12 / 28 above.
		Visual - 10.08	County Forester	I-j through I-l: 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-j through I-l: During the 4th 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 areas. 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 4th Quarter.
		Biota - 4.27	County LEA/CDFW	I-j through I-l: See M - 4.4.1 / 60 above.
		Biota - 4.10	County LEA/CDFW	I-j through I-l: 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 - 4.4.3 / 72		City Planning	I-j through I-l: See Biota - 4.10 above.
	M - 4.9.4 / 121		City Planning/Cal Recycle Cal OSHA LAFD City LEA	I-j through I-l: See T-4 above.
	M-4.9.4/ 125		City Planning/ CalRecycle Cal OSHA SCL-LEA	I-j through I-l: During the 4th Quarter of 2022, the north perimeter gate was observed to be locked.
Paleontologist	M-4.19.2/ 191		City Planning	I-j through I-l: During the 4th 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-j through I-l: 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 – 15
2	Working Area, CC4 Part 1/2	–
3	Working Area, CC-4 Part 3	–
4	Working Area, CC-4 Part 4A	16 – 66
5	Closure Turf	67 – 74
6	Office and Scales Location	75 – 88
7	Alder Tank Liquids Treatment System	89 – 105
8	County Sage Mitigation Area and Westside Drainage Channels	106 – 124
9	Basin D	125 – 132
10	Basin D Material Storage Area	133 – 138
11	Basin D Outlet Channel	–
12	Flares 9, 10, 11 and Gas-to-Energy Facility	139 – 171
13	County Top Deck	172 – 203
14	North Access Road	–
15	Basin B	204 – 219
16	Eastside Drainage Channel	220 – 233
17	Terminal Basin	234 – 335
18	Greywater Sewer Connection	–
19	Retaining Wall at San Fernando Road	–
20	Sage Mitigation, Deck C	336 – 346
21	Sage Mitigation, Deck B	347 – 359
22	Sage Mitigation, Deck A	–
23	Southern Ownership Buffer	–
–	General Site	360 – 451
–	Road Realignment	452 – 501
–	PM-10 Oak Trees	502 – 511



Photo 1: Basin A: October 24, 2022



Photo 2: Basin A: October 24, 2022



Photo 3: Basin A: October 24, 2022



Photo 4: Basin A: October 24, 2022



Photo 5: Basin A: November 29, 2022



Photo 6: Basin A: November 29, 2022



Photo 7: Basin A: November 29, 2022



Photo 8: Basin A: November 29, 2022



Photo 9: Basin A: November 29, 2022



Photo 10: Basin A: November 29, 2022



Photo 11: Basin A: December 19, 2022



Photo 12: Basin A: December 19, 2022



Photo 13: Basin A: December 19, 2022



Photo 14: Basin A: December 19, 2022



Photo 15: Basin A: December 19, 2022



Photo 16: Working Area, CC-4 Part 4A: October 24, 2022



Photo 17: Working Area, CC-4 Part 4A: October 24, 2022



Photo 18: Working Area, CC-4 Part 4A: October 24, 2022



Photo 19: Working Area, CC-4 Part 4A: October 24, 2022



Photo 20: Working Area, CC-4 Part 4A: October 24, 2022



Photo 21: Working Area, CC-4 Part 4A: October 24, 2022



Photo 22: Working Area, CC-4 Part 4A: October 24, 2022



Photo 23: Working Area, CC-4 Part 4A: October 24, 2022



Photo 24: Working Area, CC-4 Part 4A: October 24, 2022



Photo 25: Working Area, CC-4 Part 4A: October 24, 2022



Photo 26: Working Area, CC-4 Part 4A: October 24, 2022



Photo 27: Working Area, CC-4 Part 4A: October 24, 2022



Photo 28: Working Area, CC-4 Part 4A: October 24, 2022



Photo 29: Working Area, CC-4 Part 4A: October 24, 2022



Photo 30: Working Area, CC-4 Part 4A: October 24, 2022



Photo 31: Working Area, CC-4 Part 4A: October 24, 2022



Photo 32: Working Area, CC-4 Part 4A: October 24, 2022



Photo 33: Working Area, CC-4 Part 4A: October 24, 2022



Photo 34: Working Area, CC-4 Part 4A: October 24, 2022



Photo 35: Working Area, CC-4 Part 4A: October 24, 2022



Photo 36: Working Area, CC-4 Part 4A: November 29, 2022



Photo 37: Working Area, CC-4 Part 4A: November 29, 2022



Photo 38: Working Area, CC-4 Part 4A: November 29, 2022



Photo 39: Working Area, CC-4 Part 4A: November 29, 2022



Photo 40: Working Area, CC-4 Part 4A: November 29, 2022



Photo 41: Working Area, CC-4 Part 4A: November 29, 2022



Photo 42: Working Area, CC-4 Part 4A: November 29, 2022



Photo 43: Working Area, CC-4 Part 4A: November 29, 2022



Photo 44: Working Area, CC-4 Part 4A: November 29, 2022



Photo 45: Working Area, CC-4 Part 4A: November 29, 2022



Photo 46: Working Area, CC-4 Part 4A: November 29, 2022



Photo 47: Working Area, CC-4 Part 4A: November 29, 2022



Photo 48: Working Area, CC-4 Part 4A: November 29, 2022



Photo 49: Working Area, CC-4 Part 4A: November 29, 2022



Photo 50: Working Area, CC-4 Part 4A: November 29, 2022



Photo 51: Working Area, CC-4 Part 4A: November 29, 2022

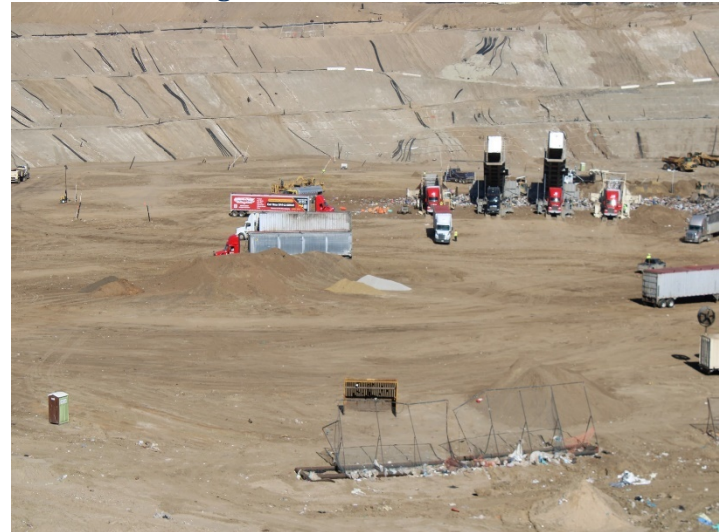


Photo 52: Working Area, CC-4 Part 4A: November 29, 2022

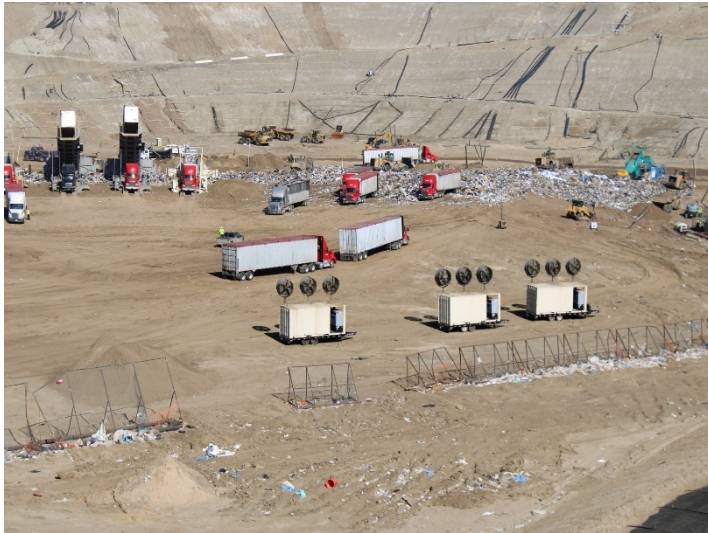


Photo 53: Working Area, CC-4 Part 4A: November 29, 2022



Photo 54: Working Area, CC-4 Part 4A: December 19, 2022



Photo 55: Working Area, CC-4 Part 4A: December 19, 2022



Photo 56: Working Area, CC-4 Part 4A: December 19, 2022



Photo 57: Working Area, CC-4 Part 4A: December 19, 2022



Photo 58: Working Area, CC-4 Part 4A: December 19, 2022



Photo 59: Working Area, CC-4 Part 4A: December 19, 2022



Photo 60: Working Area, CC-4 Part 4A: December 19, 2022



Photo 61: Working Area, CC-4 Part 4A: December 19, 2022



Photo 62: Working Area, CC-4 Part 4A: December 19, 2022



Photo 63: Working Area, CC-4 Part 4A: December 19, 2022



Photo 64: Working Area, CC-4 Part 4A: December 19, 2022



Photo 65: Working Area, CC-4 Part 4A: December 19, 2022



Photo 66: Working Area, CC-4 Part 4A: December 19, 2022



Photo 67: Closure Turf: October 24, 2022



Photo 68: Closure Turf: October 24, 2022



Photo 69: Closure Turf: October 24, 2022



Photo 70: Closure Turf: November 29, 2022



Photo 71: Closure Turf: November 29, 2022



Photo 72: Closure Turf: December 19, 2022



Photo 73: Closure Turf: December 19, 2022



Photo 74: Closure Turf: December 19, 2022



Photo 75: Office and Scales Location: October 24, 2022



Photo 76: : Office and Scales Location: October 24, 2022



Photo 77: Office and Scales Location: October 24, 2022



Photo 79: Office and Scales Location: October 24, 2022



Photo 78: Office and Scales Location: October 24, 2022



Photo 80: Office and Scales Location: October 24, 2022



Photo 81: Office and Scales Location: November 29, 2022



Photo 82: Office and Scales Location: November 29, 2022



Photo 83: Office and Scales Location: November 29, 2022



Photo 84: Office and Scales Location: November 29, 2022



Photo 85: Office and Scales Location: November 29, 2022



Photo 86: Office and Scales Location: November 29, 2022



Photo 87: Office and Scales Location: November 29, 2022



Photo 88: Office and Scales Location: November 29, 2022



**Photo 89: Alder Tank Liquids Treatment System:
October 24, 2022**



**Photo 90: Alder Tank Liquids Treatment System:
October 24, 2022**



**Photo 91: Alder Tank Liquids Treatment System:
October 24, 2022**



**Photo 92: Alder Tank Liquids Treatment System:
October 24, 2022**



**Photo 93: Alder Tank Liquids Treatment System:
October 24, 2022**



**Photo 94: Alder Tank Liquids Treatment System:
October 24, 2022**



**Photo 95: Alder Tank Liquids Treatment System:
October 24, 2022**



**Photo 96: Alder Tank Liquids Treatment System:
October 24, 2022**



**Photo 97: Alder Tank Liquids Treatment System:
November 29, 2022**



**Photo 98: Alder Tank Liquids Treatment System:
November 29, 2022**



**Photo 99: Alder Tank Liquids Treatment System:
November 29, 2022**



**Photo 100: Alder Tank Liquids Treatment System:
November 29, 2022**



**Photo 101: Alder Tank Liquids Treatment System:
December 19, 2022**



**Photo 102: Alder Tank Liquids Treatment System:
December 19, 2022**



**Photo 103: Alder Tank Liquids Treatment System:
December 19, 2022**



**Photo 104: Alder Tank Liquids Treatment System:
December 19, 2022**



**Photo 105: Alder Tank Liquids Treatment System:
December 19, 2022**



**Photo 107: County Sage Mitigation Area and Westside
Drainage Channels: October 24, 2022**



**Photo 106: County Sage Mitigation Area and Westside
Drainage Channels: October 24, 2022**



**Photo 108: County Sage Mitigation Area and Westside
Drainage Channels: October 24, 2022**



Photo 109: County Sage Mitigation Area and Westside Drainage Channels: October 24, 2022



Photo 110: County Sage Mitigation Area and Westside Drainage Channels: October 24, 2022



Photo 111: County Sage Mitigation Area and Westside Drainage Channels: October 24, 2022



Photo 112: County Sage Mitigation Area and Westside Drainage Channels: November 29, 2022



Photo 113: County Sage Mitigation Area and Westside Drainage Channels: November 29, 2022



Photo 114: County Sage Mitigation Area and Westside Drainage Channels: November 29, 2022



Photo 115: County Sage Mitigation Area and Westside Drainage Channels: November 29, 2022



Photo 116: County Sage Mitigation Area and Westside Drainage Channels: November 29, 2022



Photo 117: County Sage Mitigation Area and Westside Drainage Channels: November 29, 2022



Photo 118: County Sage Mitigation Area and Westside Drainage Channels: November 29, 2022



Photo 119: County Sage Mitigation Area and Westside Drainage Channels: December 19, 2022



Photo 120: County Sage Mitigation Area and Westside Drainage Channels: December 19, 2022



Photo 121: County Sage Mitigation Area and Westside Drainage Channels: December 19, 2022



Photo 122: County Sage Mitigation Area and Westside Drainage Channels: December 19, 2022



Photo 123: County Sage Mitigation Area and Westside Drainage Channels: December 19, 2022



Photo 124: County Sage Mitigation Area and Westside Drainage Channels: December 19, 2022



Photo 125: Basin D: October 24, 2022



Photo 126: Basin D: October 24, 2022



Photo 127: Basin D: October 24, 2022



Photo 128: Basin D: October 24, 2022



Photo 129: Basin D: October 24, 2022



Photo 130: Basin D: November 29, 2022



Photo 131: Basin D: November 29, 2022



Photo 132: Basin D: November 29, 2022



Photo 133: Basin D Material Storage Area: October 24, 2022



Photo 134: Basin D Material Storage Area: October 24, 2022



Photo 135: Basin D Material Storage Area: October 24, 2022



Photo 136: Basin D Material Storage Area: November 19, 2022



Photo 137: Basin D Material Storage Area: November 19, 2022



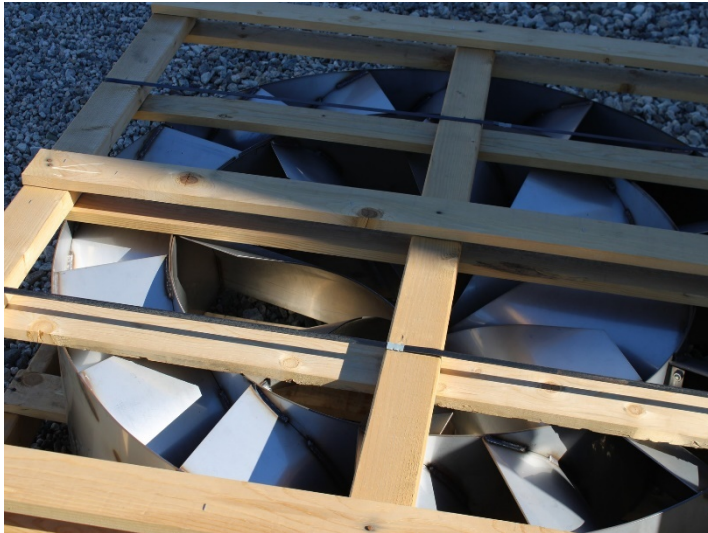
Photo 138: Basin D Material Storage Area: November 19, 2022



**Photo 139: Flares 9, 10, 11 and Gas-to-Energy Facility:
October 24, 2022**



**Photo 140: Flares 9, 10, 11 and Gas-to-Energy Facility:
October 24, 2022**



**Photo 141: Flares 9, 10, 11 and Gas-to-Energy Facility:
October 24, 2022**



**Photo 142: Flares 9, 10, 11 and Gas-to-Energy Facility:
October 24, 2022**



**Photo 143: Flares 9, 10, 11 and Gas-to-Energy Facility:
October 24, 2022**



**Photo 144: Flares 9, 10, 11 and Gas-to-Energy Facility:
October 24, 2022**



**Photo 145: Flares 9, 10, 11 and Gas-to-Energy Facility:
October 24, 2022**



**Photo 146: Flares 9, 10, 11 and Gas-to-Energy Facility:
October 24, 2022**



**Photo 147: Flares 9, 10, 11 and Gas-to-Energy Facility:
October 24, 2022**



**Photo 148: Flares 9, 10, 11 and Gas-to-Energy Facility:
October 24, 2022**



**Photo 149: Flares 9, 10, 11 and Gas-to-Energy Facility:
October 24, 2022**



**Photo 150: Flares 9, 10, 11 and Gas-to-Energy Facility:
October 24, 2022**



**Photo 151: Flares 9, 10, 11 and Gas-to-Energy Facility:
October 24, 2022**



**Photo 152: Flares 9, 10, 11 and Gas-to-Energy Facility:
November 29, 2022**



**Photo 153: Flares 9, 10, 11 and Gas-to-Energy Facility:
November 29, 2022**



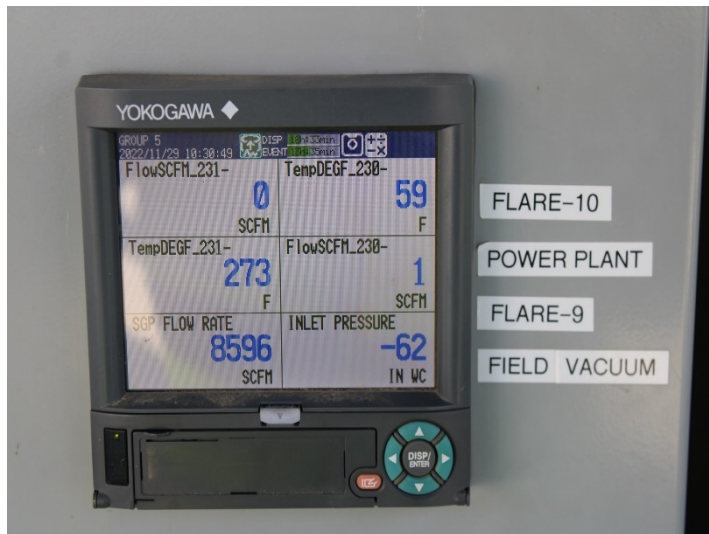
**Photo 154: Flares 9, 10, 11 and Gas-to-Energy Facility:
November 29, 2022**



**Photo 155: Flares 9, 10, 11 and Gas-to-Energy Facility:
November 29, 2022**



**Photo 156: Flares 9, 10, 11 and Gas-to-Energy Facility:
November 29, 2022**



**Photo 157: Flares 9, 10, 11 and Gas-to-Energy Facility:
November 29, 2022**



**Photo 158: Flares 9, 10, 11 and Gas-to-Energy Facility:
November 29, 2022**



**Photo 159: Flares 9, 10, 11 and Gas-to-Energy Facility:
November 29, 2022**



**Photo 160: Flares 9, 10, 11 and Gas-to-Energy Facility:
November 29, 2022**



**Photo 161: Flares 9, 10, 11 and Gas-to-Energy Facility:
November 29, 2022**



**Photo 163: Flares 9, 10, 11 and Gas-to-Energy Facility:
November 29, 2022**



**Photo 162: Flares 9, 10, 11 and Gas-to-Energy Facility:
November 29, 2022**



**Photo 164: Flares 9, 10, 11 and Gas-to-Energy Facility:
December 19, 2022**



**Photo 165: Flares 9, 10, 11 and Gas-to-Energy Facility:
December 19, 2022**



**Photo 166: Flares 9, 10, 11 and Gas-to-Energy Facility:
December 19, 2022**



**Photo 167: Flares 9, 10, 11 and Gas-to-Energy Facility:
December 19, 2022**



**Photo 168: Flares 9, 10, 11 and Gas-to-Energy Facility:
December 19, 2022**



**Photo 169: Flares 9, 10, 11 and Gas-to-Energy Facility:
December 19, 2022**



**Photo 170: Flares 9, 10, 11 and Gas-to-Energy Facility:
December 19, 2022**



**Photo 171: Flares 9, 10, 11 and Gas-to-Energy Facility:
December 19, 2022**



Photo 172: County Top Deck: October 24, 2022



Photo 173: County Top Deck: October 24, 2022



Photo 174: County Top Deck: October 24, 2022



Photo 175: County Top Deck: October 24, 2022



Photo 176: County Top Deck: October 24, 2022



Photo 177: County Top Deck: October 24, 2022



Photo 178: County Top Deck: October 24, 2022



Photo 179: County Top Deck: October 24, 2022



Photo 180: County Top Deck: October 24, 2022



Photo 181: County Top Deck: October 24, 2022



Photo 182: County Top Deck: November 29, 2022



Photo 183: County Top Deck: November 29, 2022



Photo 184: County Top Deck: November 29, 2022



Photo 185: County Top Deck: November 29, 2022



Photo 186: County Top Deck: November 29, 2022



Photo 187: County Top Deck: November 29, 2022



Photo 188: County Top Deck: November 29, 2022



Photo 189: County Top Deck: November 29, 2022



Photo 190: County Top Deck: November 29, 2022



Photo 191: County Top Deck: November 29, 2022



Photo 192: County Top Deck: November 29, 2022



Photo 193: County Top Deck: November 29, 2022



Photo 194: County Top Deck: November 29, 2022



Photo 195: County Top Deck: November 29, 2022



Photo 196: County Top Deck: November 29, 2022



Photo 197: County Top Deck: December 19, 2022



Photo 198: County Top Deck: December 19, 2022



Photo 199: County Top Deck: December 19, 2022



Photo 200: County Top Deck: December 19, 2022



Photo 201: County Top Deck: December 19, 2022



Photo 202: County Top Deck: December 19, 2022



Photo 203: County Top Deck: December 19, 2022



Photo 204: Basin B: October 24, 2022



Photo 205: Basin B: October 24, 2022



Photo 206: Basin B: October 24, 2022



Photo 207: Basin B: October 24, 2022



Photo 208: Basin B: October 24, 2022



Photo 209: Basin B: November 29, 2022



Photo 210: Basin B: November 29, 2022



Photo 211: Basin B: November 29, 2022



Photo 212: Basin B: November 29, 2022



Photo 213: Basin B: November 29, 2022



Photo 214: Basin B: December 19, 2022



Photo 215: Basin B: December 19, 2022



Photo 216: Basin B: December 19, 2022



Photo 217: Basin B: December 19, 2022



Photo 218: Basin B: December 19, 2022



Photo 219: Basin B: December 19, 2022



Photo 220: Eastside Drainage Channel: October 24, 2022



Photo 221: Eastside Drainage Channel: October 24, 2022



Photo 222: Eastside Drainage Channel: October 24, 2022



Photo 223: Eastside Drainage Channel: October 24, 2022



Photo 224: Eastside Drainage Channel: October 24, 2022



Photo 225: Eastside Drainage Channel: October 24, 2022



Photo 226: Eastside Drainage Channel: October 24, 2022



Photo 227: Eastside Drainage Channel: October 24, 2022



Photo 228: Eastside Drainage Channel: October 24, 2022



Photo 229: Eastside Drainage Channel: October 24, 2022



Photo 230: Eastside Drainage Channel: November 29, 2022



Photo 231: Eastside Drainage Channel: November 29, 2022



Photo 232: Eastside Drainage Channel: November 29, 2022



Photo 233: Eastside Drainage Channel: November 29, 2022



Photo 234: Terminal Basin: October 24, 2022



Photo 235: Terminal Basin: October 24, 2022



Photo 236: Terminal Basin: October 24, 2022



Photo 237: Terminal Basin: October 24, 2022



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Photo 286: Terminal Basin: November 29, 2022



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Photo 304: Terminal Basin: December 19, 2022



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Photo 332: Terminal Basin: December 19, 2022



Photo 333: Terminal Basin: December 19, 2022



Photo 334: Terminal Basin: December 19, 2022



Photo 335: Terminal Basin: December 19, 2022



Photo 336: Sage Mitigation, Deck C: October 24, 2022



Photo 337: Sage Mitigation, Deck C: October 24, 2022



Photo 338: Sage Mitigation, Deck C: October 24, 2022



Photo 339: Sage Mitigation, Deck C: October 24, 2022



Photo 340: Sage Mitigation, Deck C: November 29, 2022



Photo 341: Sage Mitigation, Deck C: November 29, 2022



Photo 342: Sage Mitigation, Deck C: December 19, 2022



Photo 343: Sage Mitigation, Deck C: December 19, 2022



Photo 344: Sage Mitigation, Deck C: December 19, 2022



Photo 345: Sage Mitigation, Deck C: December 19, 2022



Photo 346: Sage Mitigation, Deck C: December 19, 2022



Photo 347: Sage Mitigation, Deck B: October 24, 2022



Photo 348: Sage Mitigation, Deck B: October 24, 2022



Photo 349: Sage Mitigation, Deck B: October 24, 2022



Photo 350: Sage Mitigation, Deck B: October 24, 2022



Photo 351: Sage Mitigation, Deck B: November 29, 2022



Photo 352: Sage Mitigation, Deck B: November 29, 2022



Photo 353: Sage Mitigation, Deck B: November 29, 2022



Photo 354: Sage Mitigation, Deck B: November 29, 2022



Photo 355: Sage Mitigation, Deck B: December 19, 2022



Photo 356: Sage Mitigation, Deck B: December 19, 2022



Photo 357: Sage Mitigation, Deck B: December 19, 2022



Photo 358: Sage Mitigation, Deck B: December 19, 2022



Photo 359: Sage Mitigation, Deck B: December 19, 2022



Photo 360: General Site: October 24, 2022



Photo 361: General Site: October 24, 2022



Photo 362: General Site: October 24, 2022



Photo 363: General Site: October 24, 2022



Photo 364: General Site: October 24, 2022



Photo 365: General Site: October 24, 2022



Photo 366: General Site: October 24, 2022



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Photo 394: General Site: October 24, 2022



Photo 395: General Site: November 29, 2022



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Photo 400: General Site: November 29, 2022



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Photo 404: General Site: November 29, 2022



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Photo 414: General Site: November 29, 2022



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Photo 419: General Site: November 29, 2022



Photo 420: General Site: November 29, 2022



Photo 421: General Site: December 19, 2022



Photo 422: General Site: December 19, 2022



Photo 423: General Site: December 19, 2022



Photo 424: General Site: December 19, 2022



Photo 425: General Site: December 19, 2022



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Photo 440: General Site: September 19, 2022



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Photo 443: General Site: December 19, 2022



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Photo 445: General Site: December 19, 2022



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Photo 447: General Site: December 19, 2022



Photo 448: General Site: December 19, 2022



Photo 449: General Site: December 19, 2022



Photo 450: General Site: December 19, 2022



Photo 451: General Site: December 19, 2022



Photo 452: Road Realignment: October 24, 2022



Photo 453: Road Realignment: October 24, 2022



Photo 454: Road Realignment: October 24, 2022



Photo 455: Road Realignment: October 24, 2022



Photo 456: Road Realignment: October 24, 2022



Photo 457: Road Realignment: October 24, 2022



Photo 458: Road Realignment: October 24, 2022



Photo 459: Road Realignment: October 24, 2022



Photo 460: Road Realignment: October 24, 2022



Photo 461: Road Realignment: October 24, 2022



Photo 462: Road Realignment: November 29, 2022



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Photo 490: Road Realignment: December 19, 2022



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Photo 495: Road Realignment: December 19, 2022



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Photo 498: Road Realignment: December 19, 2022



Photo 499: Road Realignment: December 19, 2022



Photo 500: Road Realignment: December 19, 2022



Photo 501: Road Realignment: December 19, 2022



Photo 502: PM-10 Oak Trees: October 24, 2022



Photo 503: PM-10 Oak Trees: October 24, 2022



Photo 504: PM-10 Oak Trees: November 29, 2022



Photo 505: PM-10 Oak Trees: November 29, 2022



Photo 506: PM-10 Oak Trees: November 29, 2022



Photo 507: PM-10 Oak Trees: December 19, 2022



Photo 508: PM-10 Oak Trees: December 19, 2022



Photo 509: PM-10 Oak Trees: December 19, 2022



Photo 510: PM-10 Oak Trees: December 19, 2022



Photo 511: PM-10 Oak Trees: December 19, 2022

Appendix IV

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

October 2022

**SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT**

Monitor: James Aidukas	Page: 1 of 2
Discipline: Project Manager	Date: 10/24/22
Site Conditions: 50-75° F, 5-15 MPH winds	
SITE LOG	
<p>Drove the Granada Hills area near Woodley Avenue, the adjacent neighborhood, and school areas from 5:00 to 5:45 a.m. There were no landfill odors detected. There were also no roadway liquid odors detected at Balboa and Woodley. Met with Mike Lindsay (UltraSystems), Tarik Hadj-Hamou (SRK), and Robel Mesfin (LACDPW). Checked into the site via a phone call to Bill Carr. We then proceeded to monitor the site in separate vehicles and observed the following:</p> <ul style="list-style-type: none"> • When entering the site, waste and dirt hauling trucks were staging on San Fernando Road at approximately 5:50. • The left turning and adjacent northbound lanes on San Fernando Road at the landfill entrance's deep ruts were not yet repaired. This road condition could be a hazard for passenger cars, pickup trucks, and motorcycles. • The start of operations was observed from the City Deck A observation platform. The ADC from the prior Saturday was covered. • The working area appeared to be in Cell CC-4 Part 4A and 4B. There were no operational concerns noted. • Grading up the canyon from the Terminal Basin was underway. This grading removed the cut-off wall and the alluvial water removal system. Alluvial water was seen in a whole excavated to collect the water. The capacity of the Terminal Basin was reduced. • The concrete portion of the Terminal Basin was cleared of sediment. Water was about 18" deep at the outlet risers. • Water was observed entering from the sidewall of the concrete drainage channel under San Fernando Road. • The oil field area was observed. No odors or operational concerns were noted. • The south perimeter gate was locked. • The new access road had a significant amount of soil imported since the last monitoring visit. The approved drawings for this road, drainage design for this area and the landfill site, and the final toe berm were not made available to the monitor. • The paved employee access road continues to crack, lift, and separate. Patching was being done with asphalt. • The dirt perimeter access road and the final perimeter drainage channel above the final liner elevation were observed. The perimeter road was not covered with wet weather material. 	

Page 2 of 2, 10/24/22:

- The new access road had a significant amount of soil imported since the last monitoring visit. The approved drawings for this road, drainage design for this area and the landfill site, and the final toe berm was not made available to the monitor.
- The buried liquids HDPE pipe from the liner low point pump to the Adler tanks is not covered with soil where a dirt road crosses it.
- At the Adler tank liquids treatment facility, the emergency shut-off valve on the hydrogen peroxide storage tank is still a manual switch. This valve should be able to be shut from a removal location.
- The eastside drainage channel was not cleared of sediment, brush, and debris. Vegetation is also growing in and adjacent to the channel. The channel wall downstream of Basin B has had the dirt washed away from the back of the concrete. The channel was blocked with debris and brush in this area. There was no change since the last site monitoring visit.
- The scale's exit road had numerous potholes.
- The perimeter channels on the eastside had numerous corrugated pipes blocked with debris.
- The waste and dirt hauling trucks traveling on the perimeter access road were generating large dust clouds.
- Basin A had standing water near the outlet risers with wind blown litter in the water.
- Double belly dump trucks were hauling and dumping soil on the top deck north of the current operations. These trucks were not being counted at the scales, nor were the trucks going to the Terminal Basin or new access road construction.
- The County sage area had no site improvements. The native areas were doing well in the area where they naturally came back.
- The sage mitigation decks B and C were doing well. Some areas of select natives were dead.
- The PM-10 trees had many dead trees that had not been replaced.

Flare Operating Conditions:

- Flare 1 – 1635°F, 1631 SCFM
- Flare 3 – not operating
- Flare 9 – not operating
- Flare 10 – 1700°F, 2961 SCFM
- Flare 11 – 1699°F, 2953 SCFM

The gas-to-energy plant was using 8914 SCFM of recovered landfill gas. The gas composition was 39% CH₄, 1.5% O₂, and 53 PPM H₂S. The total volume of recovered gas was 16,459 SCFM.

FURTHER REVIEW NEEDED

COMMENTS

Signed: 

**SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT**

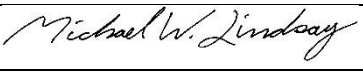
Monitor: Mike Lindsay	Page 1 of 3
Discipline: Environmental Engineer	Date: 10-24-2022 Monday
Site Conditions: Clear, 54–74 °F, NNE 11–16 mph, 38% RH, 46 AQI	
SITE LOG	
<ol style="list-style-type: none"> 1. No odors are present in the adjacent neighborhood and school at 5:40 am. 2. Haul trucks are queued and waiting on San Fernando Road before 6:00 am. 3. The westbound left turn lane along San Fernando Road at landfill entrance still has deep depressions that are 50 feet long, caused by heavy truck braking. These humps and depressions could be a road hazard. 4. Checked into office via phone with Bill Carr (Republic Services). 5. Met with Jim Aidukas (UltraSystems), Tarik Hadj-Hamou (SRK) and Robel Mesfin (LACDPW), following in separate vehicles to site locations. 6. Observed overall landfill operations from observation deck, including working area at Cell CC-4 Part 4A and 4B. Tippers, water trucks and utility lights are present for pre-dawn work. 7. ADC at the active working face is covered with soil from Saturday's operations. 8. Water trucks are applying water to site for dust control. 9. A speed limit sign has fallen over into the westbound entrance lane near the terminal basin. Bill Carr was notified via phone, who stated that operations would repair the sign. 10. Working area at Cell CC-4 Part 4A is in good order, with five tippers in place. 11. The southwest end of the terminal basin has been excavated in preparation for the final toe berm. Ponds of alluvial water are being pumped out. Brown-colored water is still dammed above the cutoff wall area, with clear water flowing out of the south slope. 12. Street sweepers are cleaning the haul roads. 13. The terminal basin north end has been cleared of all sediment and vegetation, including around the three vertical riser drains. 14. The terminal basin outlet channel area has wind-blown trash along the interior block wall. 15. Water is flowing out of a wall pipe within the under-roadway box outlet channel. 16. The sewer connection area is in good order, with no odors present. 17. Observed construction work at the new sediment basin and entrance roadway, including soil being imported and unloaded around the basin's west perimeter. 18. Soil has been piled high at the west end of the new basin for construction of the new entrance roadway that will turn north, then climb up to the powerline tower ridge to cross the final toe berm. 19. The oil field perimeter gate is closed and locked. The oil field flare is operating. 20. The Adler tank farm facility is in good order, with no odors present. 21. No leaks are present at the hydrogen peroxide cube storage containers at the Alder tank farm. 22. The secondary containment road drain at the Adler tank farm is clogged with vegetation. 23. The eastside drainage channel has vegetation growing in concrete cracks. 24. The admin and LEA facility are in good order. 25. The scales are generally in good order. 26. Double bottom dump trucks are importing soil. 27. Much of the eastside drainage channel has been scraped clean. 28. An eastside drainage culvert is still partially blocked with vegetation and soil south of basin B. 29. The bowl area by basin B is in good order, with no odors present. 	

30. Sediment basin B floor has been cleared of sediment and vegetation, with some water present from recent rain.
31. The north side of the eastside drainage channel near the blocked culvert has been severely undermined by erosion.
32. Traffic spotters are onsite to control traffic.
33. Flare 9 is offline.
34. Flare 10 is operating at 2827 scfm, 1621 °F. Gas sample measured at 39 % Vol. CH₄, 1.5 % Vol. O₂, 220 ppm CO, and 53 ppm H₂S. Blowers 1, 2, 3, 4, 5 and 6 are operating. Gas inlet temperature is 123 °F.
35. Flare 11 is operating at 2769 scfm, 1646 °F. Gas inlet temperature is 111 °F.
36. Sunshine Gas Producers is operating at 9070 scfm.
37. No landfill gas odor is present at the blower 5 outlet flange.
38. A drainage channel below (southwest) of the flare pad is still blocked with soil and a live tree.
39. Perimeter drainage channel at flare pad is in good order, with sediment covering bottom of channel.
40. The secondary access road is in good order, with the perimeter gate propped open.
41. A new "Emergency Muster Area" sign has been installed at base of roadway to flare pad.
42. The basin D storage yard is in good order.
43. Basin D is in good order, with orange barrels present for equipment rodeo.
44. The westside drainage channel is in good order, clear of sediment.
45. The County sage mitigation slopes are in good order.
46. The County top deck is in good order.
47. Basin A has some water present from recent rain.
48. Wind-blown trash and debris are present at back of basin A.
49. Flare 3 is offline.
50. Working area at Cell CC-4 Part 4A/4B is in good order, with tippers in place. Traffic control is active, with water trucks controlling dust and odor.
51. Closure turf at the City north slopes along the main haul road is in good order with no odors.
52. Flare 1 is operating at 1631 scfm, 1635 °F. Gas sample measured at 33 % Vol. CH₄, 1.4 % Vol. O₂, 460 ppm CO, and 80 ppm H₂S. Gas inlet temperature is 112 °F.
53. City decks B and C sage mitigation areas have new green growth throughout.
54. Some yellow mustard weed is growing within the City sage mitigation decks.
55. The PM-10 oak trees are in good condition, but with several dead trees present.
56. Water misters are operating along the west perimeter slopes.
57. Water misters are operating along the main haul road near landfill entrance.
58. Checked out of office with Bill Carr via phone.

FURTHER REVIEW NEEDED

1. Notify LA City about road humps near entrance at San Fernando Road.
2. Remove litter at terminal basin outlet area.
3. Clear the road drain at the Adler tank farm.
4. Remove vegetation from eastside drainage channel.
5. Unblock eastside drainage culvert southeast of sediment basin B.
6. Repair eastside drainage channel undermined by erosion.
7. Clear drainage below flare pad of soil and tree.
8. Remove litter from back of basin A.
9. Remove yellow mustard weed from City sage mitigation decks.

10. Replace dead oak trees at PM-10 berm.

Signed: 

Sunshine Canyon Landfill
October 24, 2022 Site Visit
Conference Call Discussion Items

Site Visit Participants

October 24, 2022 Site Visit

James Aidukas and Mike Lindsay, UltraSystems – Each in Separate Vehicles
Tarik Hadj-Hamou, SRK - Separate Vehicle
Robel Mesfin, LACDPW – Separate Vehicle
Edgar De La Torre, LACDRP – Separate Vehicle

Discussion Topics After Reviewing Site Visit Photos

1. The adjacent neighborhood was monitored for odor between 5:15 to 5:45 am. There were no landfill odors detected. Balboa Boulevard near Woodley Avenue and Balboa Boulevard just before going down to San Fernando Road was monitored for roadway liquids odors. There were no liquids odors coming from the roadway.
2. The left turning and adjacent northbound lanes on San Fernando Road at the landfill entrance have deep ruts that have gotten worse from the heavy truck traffic. This road condition should be evaluated by the City of Los Angeles roads department and necessary repairs done, as they could be a hazard for passenger cars, pickup trucks and motorcycles.
 - a.) Have any road maintenance personnel been notified of this condition?
3. The landfill site and start-of-morning operations were observed from the City Deck A viewing platform from 6:00 to 6:30 a.m. The prior week's ADC was covered with soil on Saturday. There were no operation issues observed. The active fill area appeared to be in CC-4 Part 4A and 4B. There were no operational concerns noted.
4. The monitors have observed many changes that will affect the control of rainwater at the site.
 - a.) Has an erosion control plan been developed for this fall and winter's rain events?
 - b.) If a plan has been developed, does it include the new basin in the adjacent canyon, the concrete channels in the adjacent canyon, the size reduction of the terminal basin and the alluvial water not being controlled and pumped by the cutoff wall, and the original pumps that have been removed?
 - c.) Where does the water that is now flowing into a large dirt temporary retention hole at the entrance to the terminal basin get pumped to?
5. Substantial progress has been made on the new main access road.
 - a.) Have the new main access road design and construction drawings been approved, and final permits issued?
 - b.) What is the minimum width and maximum grade of the road?
6. Soil was being removed from the terminal basin inlet area and placed further up into the landfill's canyon.
 - a.) Is this part of the final toe berm construction?

- b.) Have final toe berm design drawings been approved and permits issued?
- 7. The asphalt paving on the employee access road continues to crack, lift and separate.
 - a.) Has the cause of this damage been determined?
- 8. At the Adler tank liquids treatment facility, there was a manual emergency shut-off valve on the hydrogen peroxide storage tank.
 - a.) Should this valve be automated?
- 9. The eastside drainage channel has not been cleared of sediment, brush and debris. Vegetation is also growing in and adjacent to the channel. The channel's wall downstream of Basin B has had the soil washed away from the back of the concrete sidewall. The rainwater flow is also blocked at the location with debris.
 - a.) Will maintenance be done in this area?
- 10. A significant amount of dust was observed coming from trucks using the dirt main landfill perimeter road.
 - a.) Can the roads be sprayed with a soil sealant or can recycled concrete be used to reduce dust generation?
- 11. The secondary access road perimeter gate is consistently propped open and unlocked.
- 12. The back of Basin A remains littered with windblown trash.
- 13. Many PM-10 mitigation oak trees are dead and need replacement. Has replanting been scheduled?
- 14. Many big cone Douglas fir trees are dead and need replacement. Has replanting been scheduled?
- 15. The amount of gas being recovered has been in the 18,000-to-18,500 SCFM range in 2022. The amount of gas that was recovered last year was in the 20,500-to-21,000 SCFM range.
 - a.) What has caused this decrease?

Please view the photos for this site visit in the Sunshine Canyon Dropbox for October 24, 2022.

**Sunshine Canyon Landfill
October 24, 2022 Site Visit
November 7, 2022 Site Monitoring Conference Call**

Site Visit Participants

October 24, 2022 Site Visit

James Aidukas and Mike Lindsay, UltraSystems – Each in Separate Vehicles
Tarik Hadj-Hamou, SRK - Separate Vehicle
Robel Mesfin, LACDPW – Separate Vehicle
Edgar De La Torre, LACDRP – Separate Vehicle

Conference Call Participants

Bill Carr, Kate Downey and Paul Koster, Republic Services
Diana Gonzales, LACDRP
Anna Gov and Gladys Rietze, LACDPW
James Aidukas and Mike Lindsay, UltraSystems

Site Visit Observations Discussion:

To follow CDC guidelines for COVID-19 health protocols, UltraSystems sent personnel in separate vehicles to perform a site visit to photograph site conditions and record site observations of the landfill. Diana Gonzalez also was in a separate vehicle. 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 October. 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. The adjacent neighborhood was monitored for odor between 5:15 to 5:45 am. There were no landfill odors detected. Balboa Boulevard near Woodley Avenue and Balboa Boulevard just before going down to San Fernando Road was monitored for roadway liquids odors. There were no liquids odors coming from the roadway.
 - o Bill Carr acknowledged the statement.
2. The left turning and adjacent northbound lanes on San Fernando Road at the landfill entrance have deep ruts that have gotten worse from the heavy truck traffic. This road condition should be evaluated by the City of Los Angeles roads department and necessary repairs done, as they could be a hazard for passenger cars, pickup trucks and motorcycles.
 - a.) Have any road maintenance personnel been notified of this condition?
 - o Bill Carr stated he was in contact with the City of Los Angeles Roads Department regarding repairing the left turning and northbound lanes on San Fernando Road earlier in the year.

- Bill Carr stated that they were trying to work through the timing issue since that road has landfill traffic six days a week, and how the traffic would be rerouted.
 - Bill Carr stated that he has not heard back from them since then and will follow up.
- 3. The landfill site and start-of-morning operations were observed from the City Deck A viewing platform from 6:00 to 6:30 a.m. The prior week's ADC was covered with soil on Saturday. There were no operation issues observed. The active fill area appeared to be in CC-4 Part 4A and 4B. There were no operational concerns noted.
 - Bill Carr acknowledged the statement.
- 4. The monitors have observed many changes that will affect the control of rainwater at the site.
 - a.) Has an erosion control plan been developed for this fall and winter's rain events?
 - Kate Downey stated that they have a winterization plan and report that was submitted to the LEA on October 1 as well as a construction stormwater pollution prevention plan, both of which they can make available to UltraSystems.
 - b.) If a plan has been developed, does it include the new basin in the adjacent canyon, the concrete channels in the adjacent canyon, the size reduction of the terminal basin and the alluvial water not being controlled and pumped by the cutoff wall, and the original pumps that have been removed?
 - Kate Downey stated that in the construction document it talks about the interim measures being taken while the toe berm phases are being completed. Ultimately, the reduction in size of the terminal basin will all be brought back up to grade so the current ponding will be filled in. The plan does include installing a cutoff wall which was poured last week.
 - c.) Where does the water that is now flowing into a large dirt temporary retention hole at the entrance to the terminal basin get pumped to?
 - Kate Downey stated that a new slurry wall has been installed and the next grade work is installing the pump and riser. Once that is in then the fill will come back to its original state and flow back into the terminal basin as it previously did at its original capacity. Currently it looks like a large hole, but it will eventually be filled back to grade.
- 5. Substantial progress has been made on the new main access road.
 - a.) Have the new main access road design and construction drawings been approved, and final permits issued?
 - Kate Downey stated that the subsequent drawings to the plan are still under review at the City, and that once they issue the permit then Republic can share the plans with UltraSystems.
 - b.) What is the minimum width and maximum grade of the road?
 - Kate Downey stated that the roads will be graded down to be much wider as the grading work has not yet been completed. The grade percentage does not exceed seven percent at any location. The exact width is designated in the plan set that will be shared with UltraSystems.

6. The asphalt paving on the employee access road continues to crack, lift and separate.
 - a.) Has the cause of this damage been determined?
 - Kate Downey stated that this damage is due to settlement, and at this time the current course of action is to continue monthly monitoring.
7. At the Adler tank liquids treatment facility, there was a manual emergency shut-off valve on the hydrogen peroxide storage tank.
 - a.) Should this valve be automated?
 - Kate Downey stated that she can contact the subcontractor that manages the tank inventory and get back to UltraSystems.
8. The eastside drainage channel has not been cleared of sediment, brush and debris. Vegetation is also growing in and adjacent to the channel. The channel's wall downstream of Basin B has had the soil washed away from the back of the concrete sidewall. The rainwater flow is also blocked at the location with debris.
 - a.) Will maintenance be done in this area?
 - Bill Carr stated that they will contact one of their contractors to fix this area.
9. A significant amount of dust was observed coming from trucks using the dirt main landfill perimeter road.
 - a.) Can the roads be sprayed with a soil sealant or can recycled concrete be used to reduce dust generation?
 - Bill Carr stated that they have tried stabilizers before but they are not very effective, but they have material onsite that they continue to work into the roads. They will also continue to stay on top of everyone and make sure enough water trucks are running.
10. The secondary access road perimeter gate is consistently propped open and unlocked.
 - Bill Carr stated that they will see what they can do about the gate.
11. The back of Basin A remains littered with windblown trash.
 - Bill Carr stated that they will continue to place people back there as it is safe to do so.
12. Many PM-10 mitigation oak trees are dead and need replacement. Has replanting been scheduled?
 - Kate Downey stated that the PM-10 mitigation oak trees project is being reassigned and they will have an update next time.
13. Many big cone Douglas fir trees are dead and need replacement. Has replanting been scheduled?
 - Kate Downey stated that the big cone Douglas fir trees project is being reassigned and they will have an update next time.

14. The amount of gas being recovered has been in the 18,000-to-18,500 SCFM range in 2022. The amount of gas that was recovered last year was in the 20,500-to-21,000 SCFM range.
- a.) What has caused this decrease?
 - o Kate Downey stated that this decrease is due to cell development decreasing gas collection in those areas.

Site Visit Comments from Mike Lindsay

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

The conference call concluded.

November 2022

**SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT**

Monitor: James Aidukas	Page: 1 of 2
Discipline: Project Manager	Date: 11/29/22
Site Conditions: 50-65° F, 0-15 MPH winds	
SITE LOG	
<p>Drove the Granada Hills area near Woodley Avenue, the adjacent neighborhood, and school areas from 6:45 to 7:45 a.m. There were no landfill odors detected. There were also no roadway liquid odors detected at Balboa and Woodley. Illegally dumped trash was observed on Sierra Highway near the I-14 overpass. Met with Mike Lindsay (UltraSystems) and Edgar De La Torre (LADRP). Checked into the site via a phone call to Bill Carr. We then proceeded to monitor the site in separate vehicles and observed the following:</p> <ul style="list-style-type: none"> • The new access road and sedimentation basin had scrapers widening the new access road to accommodate two-way truck traffic. Stockpiled soil was being moved to the area up canyon of the terminal basin. Road widening could be difficult on the south side of the new basin where new concrete v-ditches have been installed. • The eastside slope of the access road has a wide crack in the soil, which could indicate settlement or slope movement. The slope drainage dumps any rainwater on San Fernando Road at the Gas Company's odorization facility. • The access road drawings are available to review. • Waste and dirt hauling trucks were lining up on San Fernando Road at approximately 9:00 a.m. • The left turning and adjacent northbound lanes on San Fernando Road at the landfill entrance's deep ruts were not repaired yet. This road condition could be a hazard for passenger cars, pickup trucks, and motorcycles. • Grading up the canyon from the terminal basin was occurring. Alluvial water was being collected in an excavated hole and being pumped. Where it was going could not be determined. Soil was being moved by scrapers from the new access road stockpile. It looks like for the base for the final buttress. No drawings were available for review. • The terminal basin is significantly smaller. • The eastside drainage channel was not cleared of sediment, brush, and debris. Vegetation is also growing in and adjacent to the channel. The channel wall downstream of Basin B has had the dirt washed away from the back of the concrete. The channel was blocked with debris and brush in this area. There was no change since the last site monitoring visit. • The Alder tank liquids handling facility had the secondary containment rainwater drain plugged by vegetation. • The scale's exit road was in good condition. Some dust was generated from trucks leaving the scales. 	

- Basin B had a minor amount of sediment and water. The eastwall had areas of piled brush and some windblown litter.
- Double belly dump trucks were hauling and dumping soil on the County top deck north of the current operations. These trucks were not being counted at the scales, nor were the trucks that were going to the terminal basin or new access road construction. The soil was being stockpiled and spread on the County top deck to level out any depressions and provide appropriate drainage.
- Tree wood waste and wooden doors were being stockpiled on the northeast County top deck. This is not in compliance with waste disposal requirements.
- The waste and dirt hauling trucks traveling on the perimeter access road were generating large dust clouds.
- Basin A had standing water as high as the top of the outlet risers, with wind-blown litter in the water.
- The working area appeared to be in Cell s CC-4 Part 4A, 4B, and 5. There were no operational concerns noted.
- The paved employee access road continues to crack, lift, and separate. Patching was being done with asphalt.
- The dirt perimeter access road and the final perimeter drainage channel above the final liner elevation were observed. The perimeter road was not covered with wet weather material.
- The County sage area had no site improvements. The native areas were doing well in the area where they naturally come back.
- The sage mitigation decks B and C were doing well. Some areas of select natives were dead.
- The PM-10 trees had many dead trees that had not been replaced.

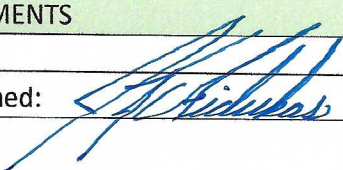
Flare Operating Conditions:

- Flare 1 – 1659°F, 1779 SCFM
- Flare 3 – not operating
- Flare 9 – not operating
- Flare 10 – not operating
- Flare 11 – 1651°F, 3270 SCFM

The gas-to-energy plant was using 8670 SCFM of recovered landfill gas. The gas composition was 40% CH₄, 1.2% O₂, and 51 PPM H₂S. The total volume of recovered gas was 13,719 SCFM.

FURTHER REVIEW NEEDED

COMMENTS

Signed: 

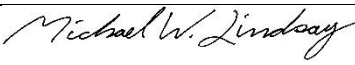
**SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT**

Monitor: Mike Lindsay	Page 1 of 2
Discipline: Environmental Engineer	Date: 11-29-2022 Tuesday
Site Conditions: Clear, 44–62 °F, SSW 4–14 mph, 80% RH, 54 AQI	
SITE LOG	
<ol style="list-style-type: none"> 1. No odors are present in the adjacent neighborhood and school at 7:10 am. Republic odor patrol is present. 2. No odors are present in the Rancho Cascades neighborhood at 7:20 am. 3. Some trash and debris are present along Sierra Highway underneath the I-14 overpass. 4. Checked into office with Bill Carr (Republic Services) via phone. 5. Met with Jim Aidukas (UltraSystems) and Edgar De La Torre (LACDRP), following in separate vehicles to site locations. 6. Haul trucks are queued on San Fernando Road at 8:20 am. 7. Flagmen are moving scrapers across the entrance road heading to the terminal basin. 8. Soil import is very active via both single and double-bottom dump trucks. 9. Observed construction work at the new sediment basin and entrance roadway. No water is present in new basin. 10. Water trucks are applying water to site for dust control. 11. Scrapers are removing soil from the top elevation south of the new basin, across the entrance haul road, and into the terminal basin south end. 12. The southwest end of the terminal basin continues to be graded in preparation for the final toe berm. A temporary collection pond of alluvial water is being pumped out. 13. Met with Kate Downey and Paul Koster (Republic), and discussed permit and construction issues regarding the new entrance road, final toe berm, terminal basin and site drainage. 14. The admin and LEA facility are in good order. 15. The Adler tank farm facility is in good order, with no leaks or odors present. 16. The secondary containment road drain at the Adler tank farm is clogged with vegetation. 17. The eastside drainage channel has vegetation growing in concrete cracks. 18. The scales are in good order, with some localized dust being generated from trucks exiting. 19. Sediment basin B is in good order, with some water present from recent rain. 20. An eastside drainage culvert is still partially blocked with vegetation and soil south of basin B. 21. Flare 9 is offline. 22. Flare 10 is offline. 23. Flare 11 is operating at 3266 scfm, 1647 °F. Gas sample measured at 40 % Vol. CH₄, 1.2 % Vol. O₂, 12 ppm CO, and 51 ppm H₂S. Blowers 1, 2, 4, 5 and 6 are operating. Gas inlet temperature is 117 °F. 24. Sunshine Gas Producers is operating at 8596 scfm. 25. No landfill gas odor is present at the blower 5 outlet flange. 26. A drainage channel below (southwest) of the flare pad is still blocked with soil and a large tree. 27. Perimeter drainage channel at flare pad is in good order, with sediment covering bottom of channel. 28. Met with the gas to energy operator, who stated that talks are ongoing regarding beneficial use for flared gas. 29. Traffic spotters are onsite to control traffic. 30. The County top deck is in good order, with soil being imported to stockpiled area at northwest end. 31. Basin D is in good order. 32. The basin D storage yard is in good order, with several items removed for scrap. 	

33. The County sage mitigation slopes are in good order.
34. Basin A has filled with water from recent rain.
35. Flare 3 is offline.
36. The westside drainage channel south of sediment basin A has large amounts of litter and trash present in channel. Workers are picking it out.
37. Working area at Cell CC-4 Part 4A/4B/5 is in good order, with three tippers in place. Traffic control is active, with water trucks controlling dust and odor.
38. Closure turf at the City north slopes along the main haul road is in good order with no odors.
39. Street sweepers are cleaning the haul roads.
40. Flare 1 is operating at 1779 scfm, 1659 °F. Gas sample measured at 34 % Vol. CH₄, 2.0 % Vol. O₂, 5 ppm CO, and 77 ppm H₂S. Gas inlet temperature is 107 °F.
41. City decks B and C sage mitigation areas have new green growth throughout.
42. The live PM-10 oak trees are in good condition, but with several dead trees present.
43. Water misters are operating along the PM-10 berm to help control odors and dust.
44. Water misters are operating along the main haul road near landfill entrance.
45. Checked out of office with Bill Carr via phone.

FURTHER REVIEW NEEDED

1. Remove trash and debris along Sierra Highway.
2. Clear the road drain at the Adler tank farm.
3. Remove vegetation from eastside drainage channel.
4. Unblock eastside drainage culvert southeast of sediment basin B.
5. Repair eastside drainage channel undermined by erosion.
6. Clear drainage below flare pad of soil and tree.
7. Replace dead oak trees at PM-10 berm.

Signed: 

December 2022

**SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT**

Monitor: James Aidukas	Page: 1 of 2
Discipline: Project Manager	Date: 12/19/22
Site Conditions: 40-60° F, 0-15 MPH winds	
SITE LOG	
<p>Drove the Granada Hills area near Woodley Avenue, the adjacent neighborhood, and school areas from 6:30 to 7:30 a.m. There were no landfill odors detected. There were also no roadway liquid odors detected at Balboa and Woodley. Illegally dumped trash was observed on Sierra Highway near the I-14 overpass. Met with Mike Lindsay (UltraSystems) and Edgar De La Torre (LADRP). Mike Lindsay checked into the site at the scalehouse with Louis Aguilar. We then proceeded to monitor the site in separate vehicles and observed the following:</p> <ul style="list-style-type: none"> • The left turning and adjacent northbound lanes on San Fernando Road at the landfill entrance's deep ruts were not repaired yet. This road condition could be a hazard for passenger cars, pickup trucks, and motorcycles. • Grading up the canyon from the terminal basin was occurring. Alluvial water was being collected in a large, excavated hole and was being removed by a gasoline-driven pump. Where it was going could not be determined. Soil was being moved by scrapers from the new access road stockpile to the location. Trucks were also bringing soil there. 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 it. • Four-to-five feet of water was in the terminal basin. The basin's capacity has been reduced. Forty percent of the risers were covered with water and had litter floating on the surface. • Development plans and engineering details and status of approvals was not available to us for the new road, drainage improvements, and final toe buttress. • The new access road and sedimentation basin had scrapers widening the new access road to accommodate two-way truck traffic. Stockpiled soil was being moved to the area up canyon of the terminal basin. The road did not get widened on the south side of the new basin where new concrete v-ditches have been installed. The crack in the east-facing slope was still there. • Basin B had a minor amount of sediment and water. The eastwall had areas of piled brush, windblown litter, and two orange cones. • The eastside drainage channel was not cleared of sediment, brush, and debris. Vegetation is also growing in and adjacent to the channel. The channel wall downstream of Basin B has had the dirt washed away from the back of the concrete. The channel was blocked with debris and brush in this area. There was no change since the last site monitoring visit. 	

- Double belly dump trucks were hauling and dumping soil on the County top deck north of the current operations. These trucks were not being counted at the scales. The soil was being stockpiled and spread on the far north County top deck to level out any depressions and provide appropriate drainage.
- The waste and dirt hauling trucks traveling on the perimeter access road and across the top of an inactive area were generating large dust clouds.
- Waste and dirt hauling trucks were lining up on San Fernando Road at approximately 9:00 a.m.
- Basin A had standing water as high as the top of the outlet risers and was releasing a small amount of water into the westside channel.
- The upper deck of CC-4 Part 3 was active accepting waste. Cells CC-4 Part 4A, 4B, and 5 were being covered with soil and graded.
- The dirt perimeter access road and the final perimeter drainage channel above the final liner elevation were observed. The perimeter road was graded but not covered with wet weather material.
- The old city south landfill slopes above the perimeter road were covered with a significant amount of windblown litter.
- The closure turf was being maintained. No concerns were noted.
- The County sage area had no site improvements. The native areas were doing well in the area where they naturally come back.
- The sage mitigation decks B and C were doing well. Some areas of select natives were dead.
- The PM-10 trees had many dead trees that had not been replaced.

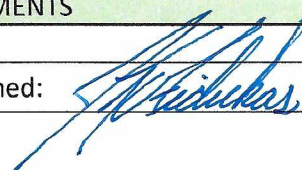
Flare Operating Conditions:

- Flare 1 – 1660°F, 1634 SCFM
- Flare 3 – not operating
- Flare 9 – not operating
- Flare 10 – 1651°F, 2339 SCFM
- Flare 11 – 1654°F, 2378 SCFM

The gas-to-energy plant was using 8532 SCFM of recovered landfill gas. The gas composition was 41% CH₄, 1.4% O₂, and 56 PPM H₂S. The total volume of recovered gas was 14,883 SCFM.

FURTHER REVIEW NEEDED

COMMENTS

Signed: 

**SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT**

Monitor: Mike Lindsay	Page 1 of 2
Discipline: Environmental Engineer	Date: 12-19-2022 Monday
Site Conditions: Clear, 37–61 °F, S 3–12 mph, 52% RH, 55 AQI	
SITE LOG	
<ol style="list-style-type: none"> 1. No odors are present in the adjacent neighborhood and school at 7:20 am. Republic odor patrol is present. 2. No odors are present in the Rancho Cascades neighborhood at 7:30 am. 3. Illegally dumped trash and debris are present along Sierra Highway underneath the I-14 overpass. 4. Checked into scalehouse with Louis Agular (Republic Services). 5. The scales are in good order, with some localized dust being generated from trucks exiting. 6. Met with Jim Aidukas (UltraSystems) and Edgar De La Torre (LACDRP), following in separate vehicles to site locations. 7. The admin and LEA facility are in good order. 8. Observed terminal basin from northwest ridge. Basin has filled with water and sediment from recent rains. 9. Soil import is very active via both single and double-bottom dump trucks. Soil is being placed in area west of the terminal basin where the final toe berm will be built. 10. A catch basin has been built to hold alluvial water west of the terminal basin. No pumps are present. 11. Observed new sediment basin and entrance roadway from above on the oilfield road. Some sediment but no water is present in new basin. 12. Scrapers are removing soil from the top elevation south of the new basin, across the entrance haul road, and into the terminal basin south end. 13. Flagmen are moving scrapers across the entrance road heading to the terminal basin. 14. Water trucks are applying water to site for dust control. 15. The oilfield perimeter gate is closed and locked. 16. The Adler tank farm facility is in good order, with no leaks or odors present. 17. The secondary containment road drain at the Adler tank farm is clogged with vegetation. 18. Sediment basin B is in good order, with water covering floor from recent rain. 19. The eastside drainage channel has vegetation growing in concrete cracks. 20. An eastside drainage culvert is still partially blocked with vegetation and soil south of basin B. 21. Flare 9 is offline. 22. Flare 10 is operating at 2387 scfm, 1648 °F. Gas sample measured at 41 % Vol. CH₄, 1.4 % Vol. O₂, 16 ppm CO, and 56 ppm H₂S. Blowers 1, 2, 4, 5 and 6 are operating. Gas inlet temperature is 107 °F. 23. Flare 11 is operating at 2394 scfm, 1656 °F. Gas inlet temperature is 106 °F. 24. Sunshine Gas Producers is operating at 8554 scfm. 25. Landfill gas odor is present at the blower 5 outlet flange. 26. A drainage channel below (southwest) of the flare pad is still blocked with soil and a large tree. 27. Perimeter drainage channel at flare pad is in good order, with sediment covering bottom of channel. 28. Traffic spotters are onsite to control traffic. 29. The County top deck is in good order, with soil being imported to stockpiled area at northwest end. 30. The westside drainage channel is in good order. Trash has been removed from channel. 31. The County sage mitigation slopes are in good order. 32. Basin A has filled with water from recent rain. 33. Working area at Cell CC-4 Part 4A/4B/5 has been graded over with soil. 	

34. Operations has been moved to the wet weather deck by Cell CC-3B.
35. Observed overall landfill operations from observation deck.
36. A crew and excavator are uncovering a water source (broken pipe) near City deck A.
37. Closure turf at the City north slopes along the main haul road is in good order with no odors.
38. Street sweepers are cleaning the haul roads.
39. Flare 1 is operating at 1634 scfm, 1634 °F. Gas sample measured at 35 % Vol. CH₄, 0.8 % Vol. O₂, 22 ppm CO, and 77 ppm H₂S. Gas inlet temperature is 99 °F.
40. City decks B and C sage mitigation areas have new green growth throughout.
41. The living PM-10 oak trees are in good condition, but with several dead trees present.
42. Water misters are operating along the PM-10 berm to help control odors and dust.
43. Water misters are operating along the main haul road near landfill entrance.

FURTHER REVIEW NEEDED

1. Remove trash and debris along Sierra Highway.
2. Clear the road drain at the Adler tank farm.
3. Remove vegetation from eastside drainage channel.
4. Unblock eastside drainage culvert southeast of sediment basin B.
5. Repair eastside drainage channel undermined by erosion.
6. Clear drainage below flare pad of soil and tree.
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Signed: 