

**Sunshine Canyon Landfill
Independent Monitor
Quarterly Site Monitoring Status Report
October 1, 2024 – December 31, 2024**

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:

February 14, 2025

CERTIFICATION STATEMENT

February 14, 2025

The attached Quarterly Site Monitoring Status Report for the Sunshine Canyon Landfill dated February 14, 2025 is the Forth Quarterly Report for 2024, issued by UltraSystems. This report covers the monitoring period from October 1, 2024, through December 31, 2024 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

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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 Los Angeles County 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, 2024 to December 31, 2024. It includes:

1. The City and County Mitigation Monitoring Summary spreadsheets for October 1, 2024 to December 31, 2024. These spreadsheets record the areas of monitoring completed and the status of being compliant during the fourth quarter of 2024;
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 1 to December 31, 2024 quarter to observe operational site activities and determine compliance status with conditions and/or mitigation measures. They were performed on October 31, 2024; November 20, 2024; and December 11, 2024.

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

Most 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 is 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 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 road realignment work was not within the Sunshine Canyon waste fill limits but is in the CUP-approved areas for ancillary use. Grading up the canyon from the terminal basin was occurring to construct the final toe berm which has a completion date of late 2025 or early 2026. Alluvium removal is to be verified by a qualified geologist. Rain events in the 1st, 2nd and 3rd Quarters caused significant erosion and mudflows. Most of the erosion rills caused by the rain events has been repaired. All sediment has been removed from the Terminal Basin, Basin A, Basin B, Basin C and Basin E. The Terminal Basin had some standing water caused from groundwater seeps. All the

basins are ready for winter conditions. No City-approved drawings were available for review. Cells CC-4 Part 3, 4 and 5 and CC-3 were accepting waste during the 4th Quarter. The road around Basin E was being graded wider to have three truck lanes and was paved. The road was striped, had speed bumps installed, and K-rail placed at the edge of the roadway. The new temporary access road to CC-4 Part 3, 4 and 5 was completed and paved. All prior active areas in Cells CC-3 and CC-4 were prepared for winter rain by grading, installation of drainage control systems which included straw waddles, hydroseeding, V-ditches, and the application of Posi-Shell to control landfill leachate seeps. On high wind days there was a significant amount of windblown litter on the southern internal ridgelines. No litter was observed leaving the site.

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 soil importation trucks were delivering soil. These temporary roads did not have rock nor recycled concrete surfacing or soil stabilizer to control dust generation. Dust was not observed leaving the site from this location. On windy and dry days, dust clouds were observed coming from the cut slopes near the future toe berm location. These dust clouds could have left the site.

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 forgoing, the Per 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 – During the 4th Quarter, power outages and gas recovery system maintenance caused a fluctuation in gas recovery volumes recorded the monitoring visits.

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 locations of all facilities, and normal and emergency ingress and egress using the new temporary access road should be prepared and sent to the local City fire department station and City and County planning departments. The toe berm construction location, and Gas to Energy areas should be shown on the plan. 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. Grading for the new main access road realignment in the small valley south of the current main access road was completed with road striping, speed bumps, and safety K-rails. The access road and slopes around Basin E appeared to have uncontrolled rainwater impacts. Republic’s final drainage design plans should include review of the current drainage impacts. The construction plans and supporting geotechnical reports were reviewed and approved by City Planning and the City Building Department. The City Building Department also approved brush and tree clearance and hillside grading. The technical reports and detailed plans were not available for review by the monitor. Compliance with County Geology – 1.07 documentation was not able to be verified by the monitor.

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-4.1.4(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 liquid recovery systems under the turf were performing well. This cover material was in lieu of vegetation on the south-facing slopes and controlled and eliminated dust and erosion while also recovering landfill gas and leachate. There was a significant erosion rill at the interface of Cell CC-2A cover soil and the western edge of the Closure Turf. Portions of the western Turf have been removed for the installation of the new liner system and the tie-in to the existing liner. There were odors from old waste, gas emissions and odorous liquids that had to be handled until the new liner system was completed and operational. Posi-Shell was being used to control landfill leachate liquid seeps and old waste odors. Hydroseeding was being done in some of the areas next to where Closure Turf was removed and areas that had reached intermediate cover elevations.

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 north 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. An unabandoned well could be a future problem.

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 – A significant number of the landfill perimeter boundary survey PVC marker pipes have been removed in areas where Edison pole grading took place, near the Flare 11 site pad grading and near the CC-4 Part 3 buttress. All PVC boundary markers need to be verified and replaced if missing. New markers should also be placed at the final south double-lined boundary.

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, there were slight landfill odors detected in the adjacent neighborhoods and at the intersection of Balboa Boulevard and Woodley Avenue on the morning of October 31. At the other monitoring days, there were no landfill odors detected.

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 fully operational Closure Turf areas.

M-4.3.1(37) (City)

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

Surface Water - 2.03 (County)

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

M-4.3.1(38) (City)

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

Surface Water - 2.12 (County)

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

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

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

The rainwater control system for the new access road and slope around Basin E had uncontrolled rainwater impacts. Republic's final design and construction plans for the drainage system for this adjacent canyon development were not made available to be monitored. The Basin E water discharge pipe into the Terminal Basin was plugged with sediment in the 4th Quarter. Drainage improvements, engineering calculations and plans for the whole landfill site were also not available to the monitor. Republic's engineering consultant should have drainage plans and engineering support calculations available for agencies' approval and monitors' review.

M-4.3.1(39) (City)

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

M-4.18 / 178 (City)

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

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

M-4.3.1(40) (City)

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

M-4.3.1(45) (City)

An erosion control plan would be implemented by the project proponent to prevent stormwater pollution from construction activity. Construction materials, equipment and vehicles would be stored or parked in areas protected from stormwater runoff. Construction material loading and unloading would

be in designated areas to minimize any washout due to stormwater runoff. Pre-construction controls would be implemented to include the use of a sandbagging system, including sandbag check dams and sandbag desilting basins, which would be used to limit runoff velocities and minimize sediment in stormwater runoff.

Surface Water 2.14 (County)

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

Current Status/Comments – Surface drainage systems were in-place to intercept or divert rainwater away from prior landfill cells and current filling operations. Most of these were temporary systems in active areas, and most conveyance V-ditches were unlined. The construction of the final toe berm and main access road realignment project is ongoing. This is a two-year project and includes a new basin, modification of the terminal basin, and the construction of new drainage channels, and possibly a new upstream basin from the terminal basin. The road realignment will entail the construction of a new main access road, a 350,000-cubic-foot sedimentation basin, drainage improvements in the ravine south of the current entrance, and modifications to the terminal basin's size and inlet sources. The design plans, design details and engineering calculations were submitted to the City for permit approval. The design plans and engineering reports were not available for review by the monitor nor submitted to the LACPW 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 Los Angeles County Public Works department, Flood Control requirements.

M-4.3.1(41) (City)

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

M-4.3.1(43) (City)

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

Surface Water 2.10 (County)

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

Current Status/Comments – In the 4th Quarter, all the basins or channels were fully cleared of sediment. Standing water was observed in the Terminal Basin. Major modifications were made to the Terminal Basin and its inlet channels. No hydrology reports were available to the monitor or the County that would show future rainwater control improvements and capacities. The damaged terminal basin outlet riser was repaired. The inlet piping and western wall of the basin were damaged by high rainwater flows in the 1st Quarter. This damage was repaired. Sediment, small

rocks and debris were still being discharged into the outlet channel to the County flood control system.

M-4.3.1(46) (City)

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

Surface Water 2.15 (County)

Surface Water Preventive Maintenance Program

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

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

Current Status/Comments – A preventative maintenance program with inspection of facility equipment, systems and storm water management devices to detect conditions that may cause breakdowns or failures resulting in discharge of materials into stormwater should be performed monthly, with a summary report issued on a quarterly basis. These reports were not reviewed in the 4th Quarter.

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 Republic's monthly preventative maintenance program work list. The concrete drainage channel's wall south of Basin B has the soil supporting the wall being washed away by rain. The concrete wall is compromised by not stopping water from flowing into the back of the wall. Areas of the wall are cracked and are moving. There was no progress in performing this maintenance.

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/Comment – The old City North top deck has a tank farm of 16 Adler 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 prior to the connection of the City sewer connection. A remote shut-off safety system to close the hydrogen peroxide holding vessel's outlet valves was not installed.

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 area decks B and C were being maintained by the removal of non-native vegetation. Native vegetation was doing well. Bare spots are being filled in from seeds and spreading of prior planted native plants. The condition of the PM-10 oak trees was still being evaluated by Republic's consulting biologists. Their yearly Oak tree mitigation status report was being prepared. There was a substantial amount of dead PM-10 trees observed by the monitor. No schedule for tree replacement has been issued. There was no activity on the County sage mitigation area. Native plants were doing well in the County sage area, repopulating in the areas where they naturally came back. No mitigation revegetation planting activity was done for this area in the 4th Quarter. Areas of City decks B and C were being graded for the new temporary waste hauling access road. There appears to be minimal impacts to the sage mitigation areas.

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 – In the 4th Quarter, Republic's biologist consultant had not yet issued an updated mitigation tree report. The number and type of trees that will need to be replaced and schedule of planting will be addressed in this report. There are Coast Live Oak and Bigcone Fir trees that are 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 of 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. 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 have not obtained since then. The feasibility of the Chatsworth Dam mitigation site needs to be evaluated as still being a potential mitigation site.

M-4.9.3(110) (City)

Landfill employees shall watch for any illegal dumping activities on or around the project site. The landfill litter control crew shall provide cleanup services 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 the shoulder of Sierra Highway near the I-14 overpass. Illegal dumping was also seen on San Fernando Road.

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, the north perimeter gate was observed to be not locked.

M-4.19.2(191) (City)

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

Ecological Significance 62 (County)

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

Current Status/Comments – During the 4th Quarter, grading was performed in native undisturbed areas that required archeological and paleontological monitoring. Reports were not available for review.

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 Compliance with each component of Condition 77 should be prepared and submitted to the TAC.

Conclusions

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

As shown by the Non-Compliant and Further Review Needed sections above, the landfill is actively working toward being fully compliant with conditions and/or mitigation measures. Only three non-compliant conditions were observed; M-4.1.6(18) survey monuments; M-4.3.1(46) preventive maintenance; and M-4.4.2(69) offsite wetlands and riparian mitigation. Furthermore, monitoring of the tasks on these Mitigation Monitoring Summary spreadsheets track progress toward being fully compliant. Notwithstanding the above, air quality compliance status is not being actively monitored by UltraSystems. Review of design plans, specifications, engineering support documents, and City-approved plans were not provided for the monitor to verify compliance with all City and County CUP conditions. The CUP conditions have special and unique construction requirements that the landfill site location requires. Access to engineering data and plans being implemented, and Hydrologist and Geologist construction reports are necessary to verify compliance with City and County CUP conditions and important construction activity.

The 2024 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
(10-01-2024 through 12-31-2024)

Line #	Reference #	Mitigation #	City Mitigation Measures and Conditions Monitored by Discipline	Monitoring Frequency	Third Quarter 2024									Fourth Quarter 2024														
					7/3/2024	Status*	Further Review Needed/Comments**	Resolved*	8/19/2024	Status*	Further Review Needed/Comments**	Resolved*	9/24/2024	Status*	Further Review Needed/Comments**	Resolved*	10/31/2024	Status*	Further Review Needed/Comments**	Resolved*	11/20/2024	Status*	Further Review Needed/Comments**	Resolved*	12/11/2024	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	✓	C	I-l	✓	C	I-l
9	Q - B.2.c.		Ancillary Uses and Facilities	ongoing	✓	C	I-g	✓	C	I-h	✓	C	I-i	✓	C	I-j	✓	C	I-k	✓	C	I-l	✓	C	I-l	✓	C	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	✓	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	✓	C	NONE	✓	C	NONE
16	Q - C.3.g.		Paved Access Roads	ongoing	✓	FRN	I-g	✓	FRN	I-h	✓	FRN	I-i	✓	FRN	I-j	✓	FRN	I-k	✓	FRN	I-l	✓	FRN	I-l	✓	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	✓	FRN	I-l	✓	FRN	I-l
18	Q - C.5.		Graffiti Removal and Deterrence	ongoing	✓	C	NONE	✓	C	NONE	✓	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	✓	FRN	I-l	✓	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

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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	✓	FRN	I-l			
27	T - 5.j.		Trip Diversion	status	✓	C	NONE	✓	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	✓	C	I-g	✓	C	I-h	✓	C	I-i	✓	C	I-j	✓	C	I-k	✓	C	I-l	✓	C	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	✓	C	NONE			
32	M - 4.2.12	27	Heavy Equipment Operations	ongoing	✓	C	NONE	✓	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	✓	C	NONE			
34	M - 4.2.12	28	Site Erosion-Cover	ongoing	✓	C	NONE	✓	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	✓	C	NONE			
36	M - 4.2.12		Site Erosion-Sealant	ongoing	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE			
37	M - 4.2.13	29	LFG Control Measures	ongoing	✓	NC	I-g	✓	NC	I-h	✓	FRN	I-i	✓	NC	I-j	✓	NC	I-k	✓	FRN	I-l	✓	FRN	I-l			
38	M - 4.2.13	30	Operational Odor Control Techniques	ongoing	✓	FRN	I-g	✓	FRN	I-h	✓	FRN	I-i	✓	FRN	I-j	✓	FRN	I-k	✓	FRN	I-l	✓	FRN	I-l			
39	M - 4.2.13	31	Solid Waste Compaction	ongoing	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE			
40	M - 4.2.13	32	LFG Collection and Recovery System	ongoing	✓	FRN	I-g	✓	FRN	I-h	✓	FRN	I-i	✓	FRN	I-j	✓	FRN	I-k	✓	FRN	I-l	✓	FRN	I-l			
41	M - 4.2.13	33	Odor Control Measures	ongoing	✓	FRN	NONE	✓	FRN	NONE	✓	FRN	NONE	✓	FRN	NONE	✓	FRN	NONE	✓	FRN	NONE	✓	FRN	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	✓	C	I-g	✓	C	I-h	✓	C	I-i	✓	C	I-j	✓	C	I-k	✓	C	I-l	✓	C	I-l	✓	C	I-l
45	M - 4.3.2	57	Dust Control Water	ongoing	✓	C	I-g	✓	C	I-h	✓	C	I-i	✓	C	I-j	✓	C	I-k	✓	C	I-l	✓	C	I-l	✓	C	I-l
46	M - 4.4.2	69	Offsite Mitigation Sites	status	✓	NC	I-g	✓	NC	I-h	✓	NC	I-i	✓	NC	I-j	✓	NC	I-k	✓	NC	I-l	✓	NC	I-l	✓	NC	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	✓	FRN	I-l	✓	FRN	I-l
48	M - 4.4.2	71	Funding-Invasive Species Eradication Program	status	/			/			/			/			/			/			/			/		
49	M - 4.6	85	Site Lighting	status	✓	FRN	NONE	✓	FRN	NONE	✓	FRN	NONE	✓	FRN	NONE	✓	FRN	NONE	✓	FRN	NONE	✓	FRN	NONE	✓	FRN	NONE
50	M - 4.7.1	86	Open Space Buffer Area	ongoing	✓	C	NONE	✓	C	NONE	✓	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	✓	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	✓	FRN	I-l	✓	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	✓	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	✓	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	✓	FRN	I-l	✓	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	✓	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	✓	FRN	I-l	✓	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	✓	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	✓	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	✓	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	✓	C	NONE			
64																												
65	Civil & Geotechnical Engineer																											
66																												
67																												
68	M - 4.1.1	2	Grading Outside of Conceptual Grading Plan Area	ongoing	✓	C	I-g	✓	C	I-h	✓	C	I-i	✓	C	I-j	✓	C	I-k	✓	C	I-l	✓	C	I-l			
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	✓	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	✓	FRN	I-l			
72	M - 4.1.2	8	Landslide Guidelines	ongoing	✓	FRN	I-g	✓	FRN	I-h	✓	FRN	I-i	✓	FRN	I-j	✓	FRN	I-k	✓	FRN	I-l	✓	FRN	I-l			
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	✓	C	NONE			
76	M - 4.1.5	12	Geologic Hazards - Liquefaction	ongoing	✓	FRN	I-g	✓	FRN	I-h	✓	FRN	I-i	✓	FRN	I-j	✓	FRN	I-k	✓	FRN	I-l	✓	FRN	I-l			
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	✓	FRN	I-g	✓	FRN	I-h	✓	FRN	I-i	✓	FRN	I-j	✓	FRN	I-k	✓	FRN	I-l	✓	FRN	I-l			
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	✓	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	✓	FRN	I-l			
82	M - 4.1.6	18	Survey Monuments	ongoing	✓	NC	I-g	✓	NC	I-h	✓	NC	I-i	✓	NC	I-j	✓	NC	I-k	✓	NC	I-l	✓	NC	I-l			

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83	M - 4.3.2	47	Landfill Liner	ongoing																								
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	I-g	✓	C	I-h	✓	C	I-i	✓	C	I-j	✓	C	I-k	✓	C	I-l						
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	✓	FRN	I-g	✓	FRN	I-h	✓	FRN	I-i	✓	FRN	I-j	✓	FRN	I-k	✓	FRN	I-l						
98	M - 4.3.1	39	Drainage Protection	ongoing	✓	FRN	I-g	✓	FRN	I-h	✓	FRN	I-i	✓	FRN	I-j	✓	FRN	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	✓	NC	I-g	✓	NC	I-h	✓	NC	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	✓	FRN	I-g	✓	FRN	I-h	✓	FRN	I-i	✓	FRN	I-j	✓	FRN	I-k	✓	FRN	I-l						

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105	M - 4.3.1	46	Preventive Maintenance Program	ongoing	✓	NC	I-g		✓	NC	I-h		✓	NC	I-i		✓	NC	I-j		✓	NC	I-k		✓	NC	I-l	
106	M - 4.3.2	49	Interception of Groundwater Seepage	ongoing	✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	
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	✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	
114	M - 4.2.11	23	Revegetation/Excavation	ongoing	✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	
115	M - 4.2.12		Temporary Vegetation Cover	ongoing	✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	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	✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	
126	M - 4.4.3	73	Nonnative Tree Mitigation	status	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	

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127	M - 4.4.3	74	Mitigation Tree Planting	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
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																											

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148																												
149																												
150	M - 4.2.11	19	Emissions Mitigation Measures	ongoing	✓	FRN	NONE	✓	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	/	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	✓	C	NONE			
154	M - 4.2.11	22	Grading-Dust Reduction	ongoing	✓	C	NONE	✓	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	✓	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	/	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	✓	NC	I-g	✓	NC	I-h	✓	NC	I-i	✓	NC	I-j	✓	NC	I-k	✓	NC	I-l	✓	NC	I-l			
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	✓	C	NONE			

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169																												
170	Hydrology, Hazardous Waste / Risk of Upset																											
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	✓	C	NONE			
175	M - 4.3.2	59	Underground Fuel Storage	ongoing	/	NA	NONE	/	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-g	✓	FRN	I-h	✓	FRN	I-i	✓	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	✓	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-l						
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	✓	FRN	I-g	✓	FRN	I-h	✓	FRN	I-i	✓	FRN	I-j	✓	FRN	I-k	✓	FRN	I-l						
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						

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					192	M - 4.19.1	184	Onsite Archaeologist	ongoing	✓	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		
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	✓	C	NONE	✓		
5	Amendment 45.N - 3	45N	Daily Cover Procedure	ongoing	✓	C	NONE	✓	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	/		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	/		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	/		I-l	/		
9	Amendment 45.N - 5	45N	Dust and Odor Reports	ongoing	✓	FRN	I-g	✓	FRN	I-h	✓	FRN	I-i	✓	FRN	I-j	✓	FRN	I-k	✓	FRN	I-l	✓	FRN	I-l	✓		
10																												
11	Combined Site & Bridge Area -20.A	20.A	Joint Powers Authority	info	✓	FRN	I-g	✓	FRN	I-h	✓	FRN	I-i	✓	FRN	I-j	✓	FRN	I-k	✓	FRN	I-l	✓	FRN	I-l	✓		
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	✓	FRN	I-l	✓		
15	Revegetation - 44.F	44.F	Revegetation	status	✓	FRN	I-g	✓	FRN	I-h	✓	FRN	I-i	✓	FRN	I-j	✓	FRN	I-k	✓	FRN	I-l	✓	FRN	I-l	✓		
16	Fugitive Dust - 45.B	45.B	Working Face Areas	ongoing	✓	FRN	I-g	✓	FRN	I-h	✓	FRN	I-i	✓	FRN	I-j	✓	FRN	I-k	✓	FRN	I-l	✓	FRN	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	✓	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	✓	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	✓	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	✓	FRN	I-l	✓		
21	Traffic - 57	57	Traffic Improvements	status	✓	FRN	I-g	✓	FRN	I-h	✓	FRN	I-i	✓	FRN	I-j	✓	FRN	I-k	✓	FRN	I-l	✓	FRN	I-l	✓		
22	Traffic - 60	60	Street Light Installation	status	✓	C	NONE	✓	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	✓	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	✓	C	I-g		✓	C	I-h		✓	C	I-i		✓	C	I-j		✓	C	I-k		✓	C	I-l	
46	Surface Water - 2.15		Surface Water Preventive Maintenance Program	ongoing	✓	NC	I-g		✓	NC	I-h		✓	NC	I-i		✓	NC	I-j		✓	NC	I-k		✓	NC	I-l	
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	

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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	✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	
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																								
69	Air Quality - 6.11		Non-Diesel, Alternative Fuel Vehicles Truck Trips	status																								
70	Air Quality - 6.11		Clean Fuel Demonstration Program	status																								

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71	Air Quality - 6.11		Compliance Evaluation	status																								
72	Odor/Landfill Gas – 7.01		Landfill Gas Escape Prevention	ongoing	✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	
73	Odor/Landfill Gas – 7.02		Landfill Gas Collection System	ongoing	✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	
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	✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	
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	C		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	C		✓	FRN	I-k		✓	FRN	I-l	
91	Visual – 10.11		Periodic Litter Pickup	ongoing	✓	C	I-g		✓	C	I-h		✓	C	I-i		✓	C	I-j		✓	C	I-k		✓	C	I-l	
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																								

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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-Variou 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	✓	NC	I-g		✓	NC	I-h		✓	NC	I-i		✓	NC	I-j		✓	NC	I-k		✓	NC	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																								
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	

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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	✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	
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-g		✓	FRN	I-h		✓	FRN	I-i		✓	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-g		✓	FRN	I-h		✓	FRN	I-i		✓	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																								
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	✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	

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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	✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	
163	Surface Water - 2.10		Surface Water Collection System-Monitoring	ongoing	✓	NC	I-g		✓	NC	I-h		✓	NC	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	✓	FRN	I-g		✓	FRN	I-h		✓	FRN	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	✓	NC	I-g		✓	NC	I-h		✓	NC	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	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	
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	

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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	✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	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																								
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	✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	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	✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	

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209	Visual – 10.08		Final Fill Slopes-Reclamation/Revegetation	status	✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	
210	Visual – 10.08		Revegetation Requirements	status	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
211	Visual – 10.09		Final Cover Composition Requirements	ongoing	✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	
212	Visual – 10.10		Buffer Zone Maintenance	ongoing	✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	
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	✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	
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	
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	

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**Sunshine Canyon Landfill County Mitigation Monitoring Summary
(10-01-2024 through 12-31-2024)**

Line #	Reference #	Mitigation #	County Mitigation Measures and Conditions Monitored by Discipline	Monitoring Frequency	Third Quarter 2024												Fourth Quarter 2024											
					7/3/2024	Status*	Further Review Needed/Comments**	Resolved*	8/19/2024	Status*	Further Review Needed/Comments**	Resolved*	9/24/2024	Status*	Further Review Needed/Comments**	Resolved*	10/31/2024	Status*	Further Review Needed/Comments**	Resolved*	11/20/2024	Status*	Further Review Needed/Comments**	Resolved*	12/11/2024	Status*	Further Review Needed/Comments**	Resolved*
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																								
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	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
257	Fire Service - 12.05		Building Limits	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	

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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	✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	
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	

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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	✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	

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Appendix I

Further Review Needed Comments: Reference I-j through I-l Fourth Quarter 2024 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 road realignment work was not within the Sunshine Canyon waste fill limits, but is in the CUP-approved areas for ancillary uses. Grading up the canyon from the terminal basin was occurring while constructing the final toe berm with a completion date in late 2025 or early 2026. Rain events in the 1st and 2nd quarters caused significant erosion and mudflows. Most of the erosion has been repaired. Cells CC-4 Part 3, 4 and 5 and CC-3 were accepting waste during the 4th Quarter. The western edge of the Closure Turf was being removed and prepared for the next cell. This will be adjacent to the Southern Old City Landfill slopes. Tying into the existing landfill liner system caused exposure to old waste and liquids. The road around Basin E was graded wider to have three truck lanes and was paved. The road was striped, speed bumps installed, and K-rails placed at the edge of the roadway. The new temporary access road to CC-4 Part 3, 4 and 5 was paved. All prior active areas in Cells CC-3 and CC-4 were prepared for winter rains by grading, installation of drainage control systems which included straw wattles, hydroseeding, and V-ditches, and the application of Posi-Shell to control landfill leachate seeps. On high wind days, there was a significant amount of wind-blown litter on the southern internal ridgelines. No litter was observed leaving the site.
		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-g through I-i: In the 4th Quarter, localized dust clouds occurred on dirt roads to and on the County top deck when soil importation trucks were delivering soil. These temporary roads did not have rock nor recycled concrete surfacing or soil stabilizer to control dust generation. The dust was not observed leaving the site from this location. On windy and dry days, dust clouds were observed coming from the cut slopes near the future toe berm location.
	Q - C.10.c		City Planning	I-j through I-l: During the 4th Quarter, site power outages and gas recovery system maintenance caused fluctuation in gas recovery volumes recorded during monitoring.

Discipline	City Condition Reference # / Mitigation #	County Condition Reference # / Mitigation #	Responsible Agency	Further Review Needed – Comments
Project Manager		Odor/Landfill Gas - 7.07	County Planning/SCAQMD SCL-LEA	I-j through I-l See Q - C.10.c above.
		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 locations of all facilities, and normal and emergency ingress and egress using the new temporary access road should be prepared and sent to the local City fire department station and City and County planning departments. The toe berm construction location, and Gas to Energy areas should be shown on the plan. 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 slope around Basin E had uncontrolled rainwater impacts. Republic's final design and construction plans for the drainage system for this adjacent canyon development were not made available to be monitored. The Basin E water discharge pipe into the Terminal Basin was plugged with sediment in the 4th Quarter. Drainage improvements, engineering calculations and plans for the whole landfill site were also not available to the monitor. Republic's engineering consultant should have drainage plans and engineering support calculations available for agencies' approval and monitors' review.
	M - 4.1.1 / 7		City Planning, DOGGR	I-j through I-l: The old abandoned oil well casing adjacent to the north 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. An unabandoned well could be a future problem.
		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. There was a significant erosion rill at the interface of Cell CC-2A cover soil and the western edge of the Closure Turf. The future western portion of the Closure Turf was removed for the tie-in to the existing landfill liner systems to the Old City South slopes. This was an odorous construction effort due to the leachate on top of the bottom liner and excavation into old waste.
	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.	

Discipline	City Condition Reference # / Mitigation #	County Condition Reference # / Mitigation #	Responsible Agency	Further Review Needed - Comments
Project Manager	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-j through I-l: On our random days of site visits during the 4th Quarter, there were slight landfill odors detected on the morning of October 31 in the adjacent neighborhood areas and near the intersection of Balboa Blvd. and Woodley Ave.
	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 were not reviewed in the 4th Quarter.</p> <p>In the 4th Quarter, it was observed that the majority of vegetation that was growing out of numerous cracks in the water retention basins and drainage conveyance channels' concrete was removed. The concrete drainage channel's wall south of Basin B has the soil supporting the wall being washed away by rain. The concrete wall is compromised by not stopping water from flowing into the back of the wall. Areas of the wall are cracked and are moving. There was no progress in performing maintenance in these areas.</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. The delay in the issuance of the City ordinance is delaying any progress in creating the required wetlands and riparian mitigation. Time extension letters from the US Corps of Engineers and the California Department of Fish and Wildlife were in place for 2019. New extension letters were not obtained since then. The feasibility of the Chatsworth Dam mitigation site needs to be evaluated as still being a potential mitigation site.	

Discipline	City Condition Reference # / Mitigation #	County Condition Reference # / Mitigation #	Responsible Agency	Further Review Needed - Comments
Civil and Geotechnical Engineer		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 the shoulder of Sierra Highway near the I-14 overpass. Illegal dumping was seen along the entrance wall on San Fernando Road. On high wind days, there was a significant amount of wind blown litter on ths southern internal ridgelines. No litter was observed leaving the site.
	M - 4.1.1 / 2		City Building and Safety City Planning	I-g through I-i: 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. There was grading around the new main access road in the small valley south of the landfill entrance. The road was paved, striped, speed bumps installed, and K-rails placed. 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 new temporary access road from the scales to the Cell CC-3 and Cell CC-4 Part 3, 4 and 5 active areas was paved.
		Geology - 1.07	County DPW EPD/ County LEA	I-j through I-l: 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: A significant number of the landfill perimeter boundary survey PVC marker pipes have been removed in areas where Edison pole grading took place, near the Flare 11 site pad grading and near the CC-4 Part 3 buttress. All PVC boundary markers need to be verified and replaced if missing. New markers should be also placed at the final south double-lined boundary.
	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 site map showing areas that are at the final elevations and which should have final cover should be available for review. A map showing other filled elevations should also be available onsite for review. The amount of stockpiled soil should also be indicated in recorded elevations.
	Visual - 10.01 Visual - 10.02	County DPW EPD/ LARWQCB SCL-LEA	I-j through I-l: See M - 4.18 / 178 above.	

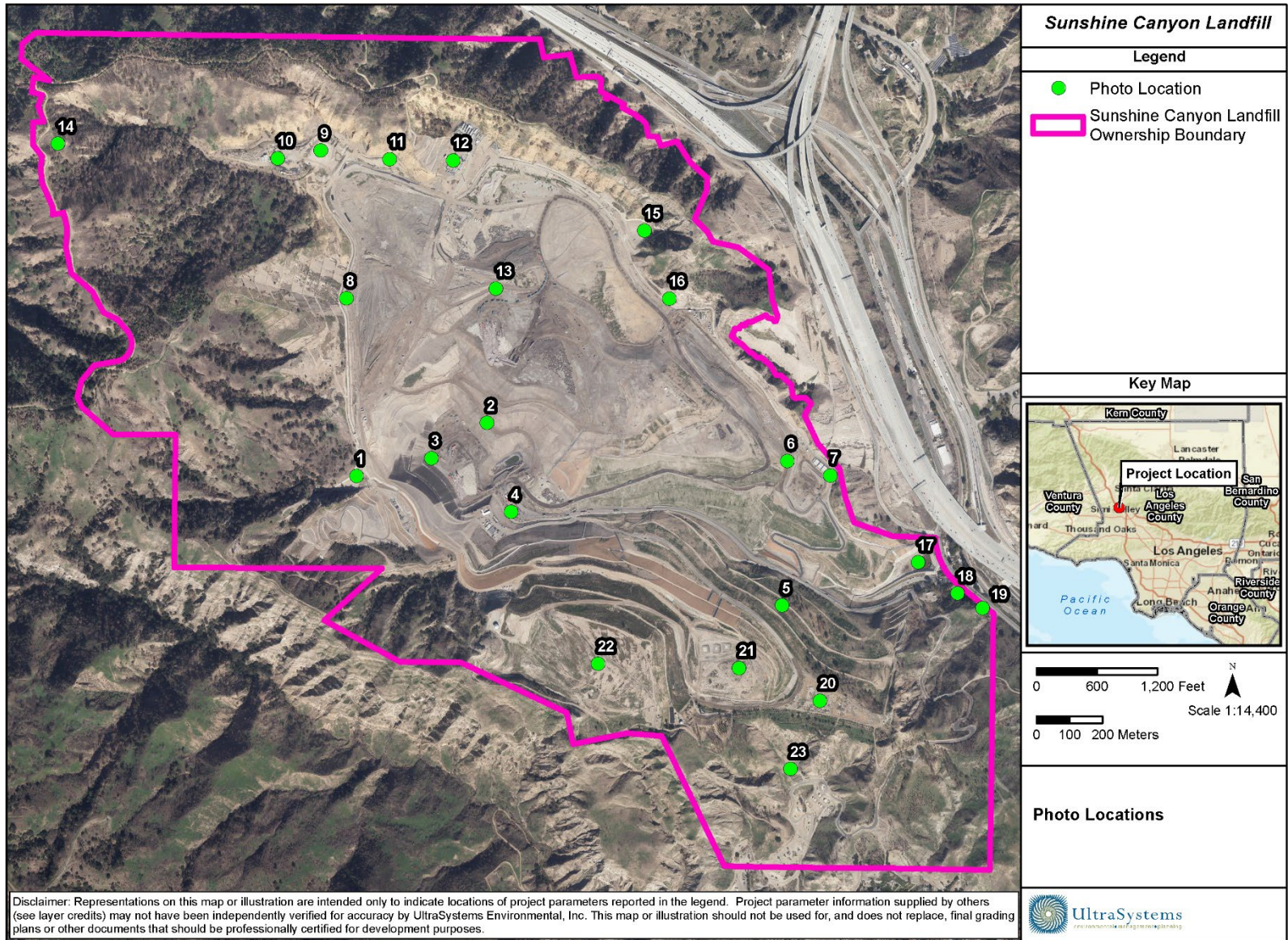
Discipline	City Condition Reference # / Mitigation #	County Condition Reference # / Mitigation #	Responsible Agency	Further Review Needed - Comments
Civil and Geotechnical Engineer	M - 4.3.1/ 37, 38		City Planning/ LARWQCB CalRecycle SCL-LEA PW-BOE	I-j through I-l: Surface drainage systems were in-place 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 is ongoing. This is a two-year project and includes a new basin, modification of the terminal basin, and the construction of new drainage channels, and possibly a new upstream basin from the terminal basin. The road realignment will entail the construction of a new main access road, a 350,000-cubic-foot sedimentation basin, drainage improvements in the ravine south of the current entrance, and modifications to the terminal basin's size and inlet sources. The design plans, design details and engineering calculations were submitted to the City for permit approval. The design plans and engineering reports were not available for review by the monitor nor submitted to the LACPW 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: In the 4th Quarter, all of the basins or channels were fully cleared of sediment. Standing water was observed in the Terminal Basin. Major modifications were made to the Terminal Basin and its inlet channels. No hydrology reports were available to the monitor or the County that would show future rainwater control improvements and capacities.
		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.

Discipline	City Condition Reference # / Mitigation #	County Condition Reference # / Mitigation #	Responsible Agency	Further Review Needed - Comments
Hydrologist	M - 4.3.1/ 46		City Planning/ LARWQCB CalRecycle PW-BOE	I-j through I-l: See 2.15 above.
	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 Adler 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. A remote shut-off safety system to close the holding vessel's valves was not observed being installed.
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.

Discipline	City Condition Reference # / Mitigation #	County Condition Reference # / Mitigation #	Responsible Agency	Further Review Needed – Comments
Biologist		Visual - 10.08	County Forester	I-j through I-l: See M - 4.2.12 / 28 above.
	M - 4.4.1 / 60		City Planning	I-j through I-l: During the 4th Quarter, City sage mitigation area decks B and C were being maintained by the removal of non-native vegetation. Native vegetation was doing well. Bare spots are being filled-in from seeds and spreading of prior planted native plants. The condition of the PM-10 oak trees was still being evaluated by Republic's consulting biologists. Their yearly mitigation tree status report was being prepared. There was a substantial amount of dead PM-10 trees observed by the monitor. No schedule for replacement has been issued. There was no activity on the County sage mitigation area. Native plants were doing well in the County sage area, repopulating in the areas where they naturally came back. No mitigation revegetation activity was done for this area in the 4th Quarter. Areas of City Decks B and C were being graded for the new temporary waste hauling access road. There appears to be minimal impacts to the sage mitigation areas. The status report on replacement of Coast Live Oak trees and Bigcone Fir trees was not available.
		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: Republic's biologist consultant has not yet issued an updated mitigation tree report. The number and type of trees that will need to be replaced and schedule of planting will be addressed in this report.
	M - 4.4.3 / 72		City Planning	I-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, the north perimeter gate was observed not to be locked.
	Paleontologist	M-4.19.2/ 191		City Planning
		Ecological Significance 62	County Planning	I-j through I-l: See M-4.19.2/ 191 above.

Appendix II

Relevant Site Photos



Path: W:\SSV\Projects\5800_Sunshine_Canyon\DelPhotoLocations\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, 2024

Photo Location Map Key

Map Location	Title	Photo Number
1	Basin A	1 – 6
2	Working Area, CC4 Part 1/2	7 – 114
3	Working Area, CC-4 Part 3	115 – 141
4	Working Area, CC-4 Part 4/5	142 – 200
5	Closure Turf	201 – 209
6	Office and Scales Location	-
7	Alder Tank Liquids Treatment System	210 – 212
8	County Sage Mitigation Area and Westside Drainage Channels	213 – 221
9	Basin D	-
10	Basin D Material Storage Area	-
11	Basin D Outlet Channel	-
12	Flares 9, 10, 11 and Gas-to-Energy Facility	222 – 261
13	County Top Deck	262 – 275
14	North Access Road	-
15	Basin B	276 – 287
16	Eastside Drainage Channel	288 – 290
17	Terminal Basin	291 – 354
18	Greywater Sewer Connection	-
19	Retaining Wall at San Fernando Road	-
20	Sage Mitigation, Deck C	355 – 358
21	Sage Mitigation, Deck B	359 – 367
22	Sage Mitigation, Deck A	-
23	Southern Ownership Buffer	368 – 370
-	General Site	371 – 568



Photo 1: Basin A: November 20, 2024



Photo 2: Basin A: November 20, 2024



Photo 3: Basin A: November 20, 2024



Photo 4: Basin A: November 20, 2024



Photo 5: Basin A: December 11, 2024



Photo 6: Basin A: December 11, 2024



Photo 7: Working Area, CC4 Part 1/2: October 31, 2024



Photo 8: Working Area, CC4 Part 1/2: October 31, 2024



Photo 9: Working Area, CC4 Part 1/2: October 31, 2024



Photo 10: Working Area, CC4 Part 1/2: October 31, 2024



Photo 11: Working Area, CC4 Part 1/2: October 31, 2024



Photo 12: Working Area, CC4 Part 1/2: October 31, 2024



Photo 13: Working Area, CC4 Part 1/2: October 31, 2024



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Photo 15: Working Area, CC4 Part 1/2: October 31, 2024



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Photo 19: Working Area, CC4 Part 1/2: October 31, 2024



Photo 20: Working Area, CC4 Part 1/2: October 31, 2024



Photo 21: Working Area, CC4 Part 1/2: October 31, 2024



Photo 22: Working Area, CC4 Part 1/2: October 31, 2024



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Photo 24: Working Area, CC4 Part 1/2: October 31, 2024



Photo 25: Working Area, CC4 Part 1/2: November 20, 2024



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Photo 31: Working Area, CC4 Part 1/2: November 20, 2024



Photo 32: Working Area, CC4 Part 1/2: November 20, 2024



Photo 33: Working Area, CC4 Part 1/2: November 20, 2024



Photo 34: Working Area, CC4 Part 1/2: November 20, 2024



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Photo 39: Working Area, CC4 Part 1/2: November 20, 2024



Photo 40: Working Area, CC4 Part 1/2: November 20, 2024



Photo 41: Working Area, CC4 Part 1/2: November 20, 2024



Photo 42: Working Area, CC4 Part 1/2: November 20, 2024



Photo 43: Working Area, CC4 Part 1/2: November 20, 2024



Photo 44: Working Area, CC4 Part 1/2: November 20, 2024



Photo 45: Working Area, CC4 Part 1/2: November 20, 2024



Photo 46: Working Area, CC4 Part 1/2: November 20, 2024



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Photo 54: Working Area, CC4 Part 1/2: November 20, 2024



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Photo 76: Working Area, CC4 Part 1/2: December 11, 2024



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Photo 81: Working Area, CC4 Part 1/2: December 11, 2024



Photo 82: Working Area, CC4 Part 1/2: December 11, 2024



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Photo 97 Working Area, CC4 Part 1/2: December 11, 2024



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Photo 100: Working Area, CC4 Part 1/2: December 11, 2024



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Photo 102: Working Area, CC4 Part 1/2: December 11, 2024



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Photo 112: Working Area, CC4 Part 1/2: December 11, 2024



Photo 113: Working Area, CC4 Part 1/2: December 11, 2024



Photo 114: Working Area, CC4 Part 1/2: December 11, 2024



Photo 115: Working Area, CC4 Part 3: October 31, 2024

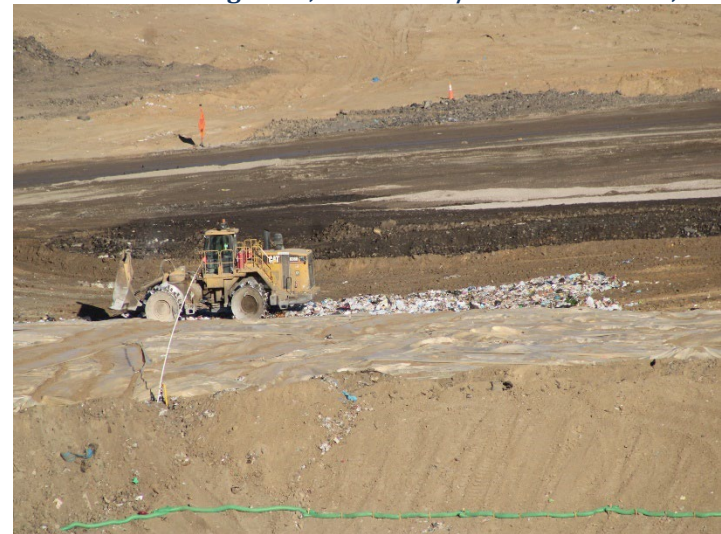


Photo 116: Working Area, CC4 Part 3: October 31, 2024



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Photo 118: Working Area, CC4 Part 3: October 31, 2024



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Photo 127: Working Area, CC4 Part 3: November 20, 2024



Photo 128: Working Area, CC4 Part 3: November 20, 2024

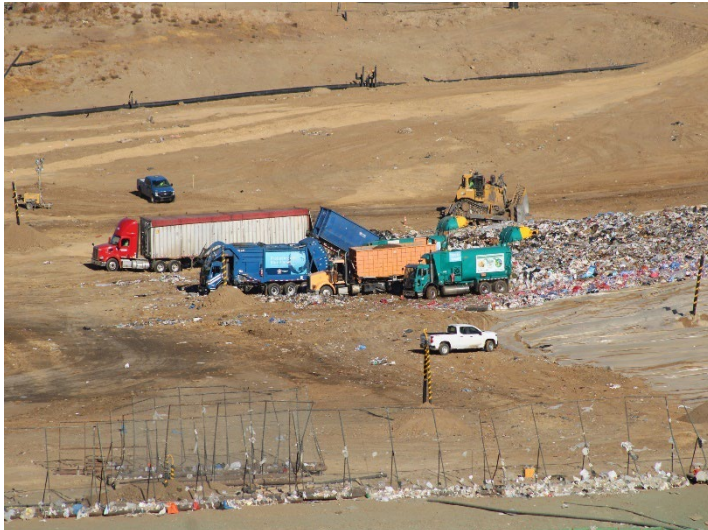


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Photo 131: Working Area, CC4 Part 3: November 20, 2024



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Photo 134: Working Area, CC4 Part 3: November 20, 2024



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Photo 136: Working Area, CC4 Part 3: November 20, 2024



Photo 137: Working Area, CC4 Part 3: November 20, 2024

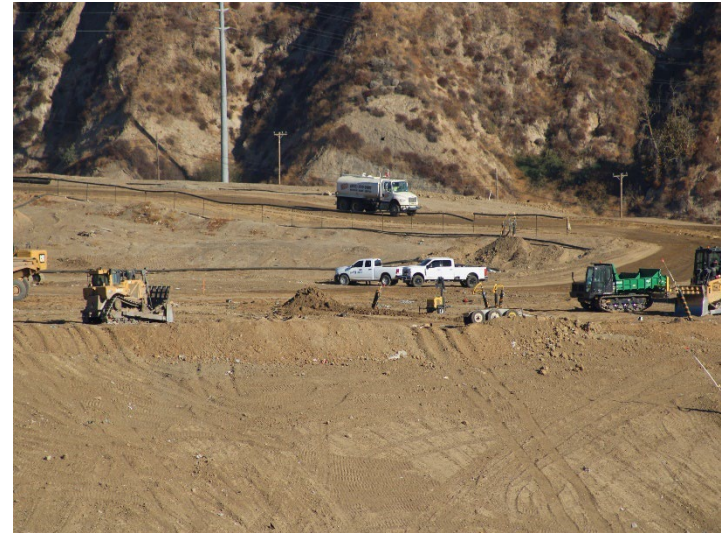


Photo 138: Working Area, CC4 Part 3: November 20, 2024



Photo 139: Working Area, CC4 Part 3: November 20, 2024



Photo 140: Working Area, CC4 Part 3: November 20, 2024



Photo 141: Working Area, CC4 Part 3: November 20, 2024



Photo 142: Working Area, CC4 Part 4/5: October 31, 2024



Photo 143: Working Area, CC4 Part 4/5: October 31, 2024



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Photo 174: Working Area, CC4 Part 4/5: November 20, 2024

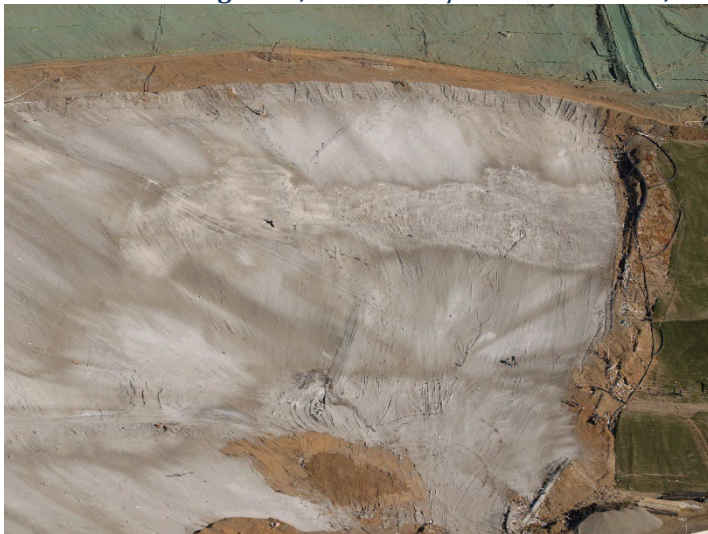


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Photo 176: Working Area, CC4 Part 4/5: November 20, 2024



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Photo 178: Working Area, CC4 Part 4/5: November 20, 2024



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Photo 182: Working Area, CC4 Part 4/5: November 20, 2024



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Photo 199: Working Area, CC4 Part 4/5: December 11, 2024



Photo 200: Working Area, CC4 Part 4/5: December 11, 2024



Photo 201: Closure Turf: October 31, 2024



Photo 202: Closure Turf: October 31, 2024



Photo 203: Closure Turf: October 31, 2024



Photo 204: Closure Turf: November 20, 2024

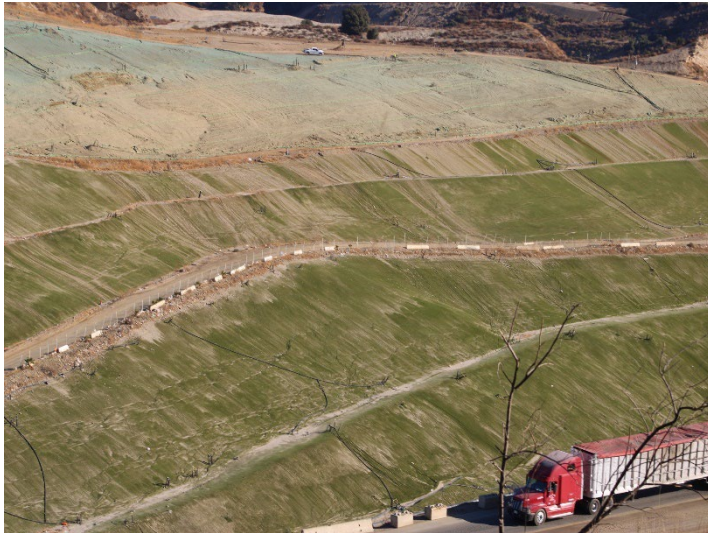


Photo 205: Closure Turf: November 20, 2024



Photo 206: Closure Turf: November 20, 2024



Photo 207: Closure Turf: December 11, 2024



Photo 208: Closure Turf: December 11, 2024



Photo 209: Closure Turf: December 11, 2024



Photo 210: Alder Tank Liquids Treatment System: November 20, 2024



Photo 211: Alder Tank Liquids Treatment System: November 20, 2024



Photo 212: Alder Tank Liquids Treatment System: November 20, 2024



Photo 213: County Sage Mitigation Area and Westside Drainage Channels: November 20, 2024



Photo 214: County Sage Mitigation Area and Westside Drainage Channels: November 20, 2024



Photo 215: County Sage Mitigation Area and Westside Drainage Channels: November 20, 2024



Photo 216: County Sage Mitigation Area and Westside Drainage Channels: November 20, 2024



Photo 217: County Sage Mitigation Area and Westside Drainage Channels: November 20, 2024



Photo 218: County Sage Mitigation Area and Westside Drainage Channels: December 11, 2024



Photo 219: County Sage Mitigation Area and Westside Drainage Channels: December 11, 2024

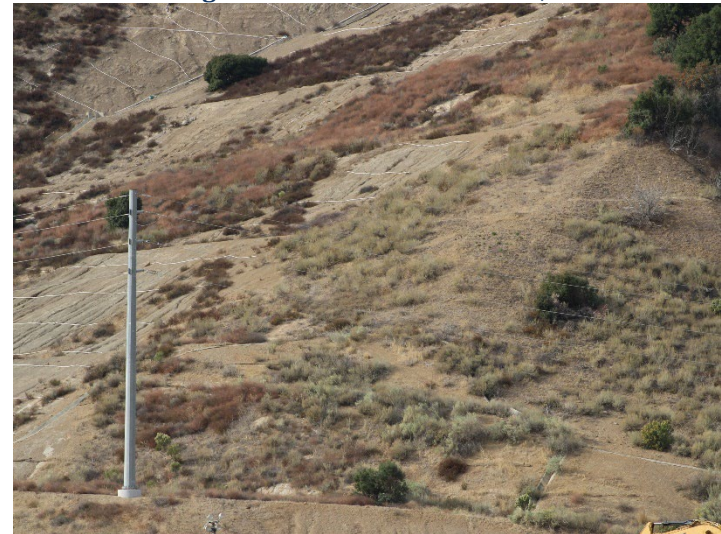


Photo 220: County Sage Mitigation Area and Westside Drainage Channels: December 11, 2024



Photo 221: County Sage Mitigation Area and Westside Drainage Channels: December 11, 2024



Photo 222: Flares 9, 10, 11 and Gas-to-Energy Facility: October 31, 2024

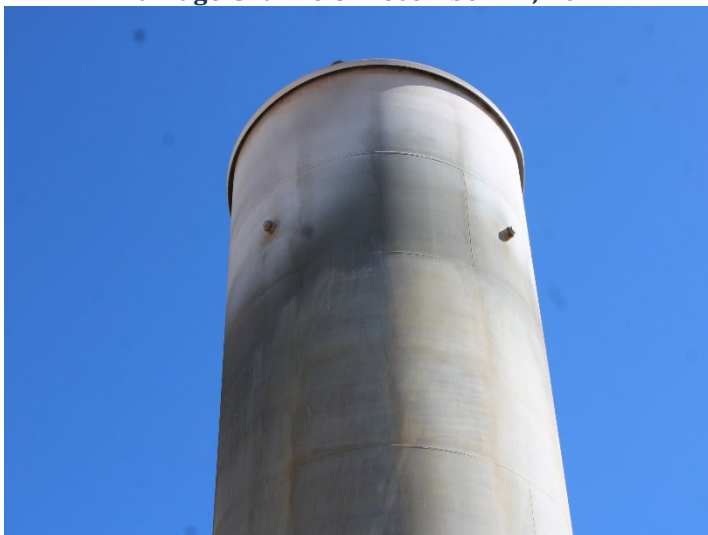


Photo 223: Flares 9, 10, 11 and Gas-to-Energy Facility: October 31, 2024



Photo 224: Flares 9, 10, 11 and Gas-to-Energy Facility: October 31, 2024



**Photo 225: Flares 9, 10, 11 and Gas-to-Energy Facility:
October 31, 2024**



**Photo 226: Flares 9, 10, 11 and Gas-to-Energy Facility:
October 31, 2024**



**Photo 227: Flares 9, 10, 11 and Gas-to-Energy Facility:
October 31, 2024**



**Photo 228: Flares 9, 10, 11 and Gas-to-Energy Facility:
October 31, 2024**



**Photo 229: Flares 9, 10, 11 and Gas-to-Energy Facility:
October 31, 2024**



**Photo 230: Flares 9, 10, 11 and Gas-to-Energy Facility:
October 31, 2024**



**Photo 231: Flares 9, 10, 11 and Gas-to-Energy Facility:
October 31, 2024**



**Photo 232: Flares 9, 10, 11 and Gas-to-Energy Facility:
October 31, 2024**



**Photo 233: Flares 9, 10, 11 and Gas-to-Energy Facility:
October 31, 2024**



**Photo 234: Flares 9, 10, 11 and Gas-to-Energy Facility:
October 31, 2024**



**Photo 235: Flares 9, 10, 11 and Gas-to-Energy Facility:
October 31, 2024**



**Photo 236: Flares 9, 10, 11 and Gas-to-Energy Facility:
October 31, 2024**



**Photo 237: Flares 9, 10, 11 and Gas-to-Energy Facility:
November 20, 2024**



**Photo 238: Flares 9, 10, 11 and Gas-to-Energy Facility:
November 20, 2024**



**Photo 239: Flares 9, 10, 11 and Gas-to-Energy Facility:
November 20, 2024**



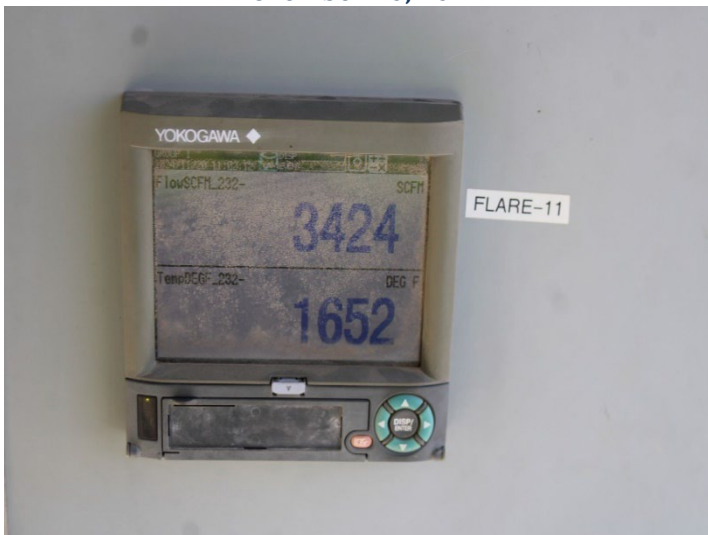
**Photo 240: Flares 9, 10, 11 and Gas-to-Energy Facility:
November 20, 2024**



**Photo 241: Flares 9, 10, 11 and Gas-to-Energy Facility:
November 20, 2024**



**Photo 242: Flares 9, 10, 11 and Gas-to-Energy Facility:
November 20, 2024**



**Photo 243: Flares 9, 10, 11 and Gas-to-Energy Facility:
November 20, 2024**



**Photo 244: Flares 9, 10, 11 and Gas-to-Energy Facility:
November 20, 2024**



**Photo 245: Flares 9, 10, 11 and Gas-to-Energy Facility:
November 20, 2024**



**Photo 246: Flares 9, 10, 11 and Gas-to-Energy Facility:
November 20, 2024**



**Photo 247: Flares 9, 10, 11 and Gas-to-Energy Facility:
November 20, 2024**



**Photo 248: Flares 9, 10, 11 and Gas-to-Energy Facility:
November 20, 2024**



**Photo 249: Flares 9, 10, 11 and Gas-to-Energy Facility:
November 20, 2024**



**Photo 250: Flares 9, 10, 11 and Gas-to-Energy Facility:
November 20, 2024**



**Photo 251: Flares 9, 10, 11 and Gas-to-Energy Facility:
November 20, 2024**



**Photo 252: Flares 9, 10, 11 and Gas-to-Energy Facility:
December 11, 2024**



Photo 253: Flares 9, 10, 11 and Gas-to-Energy Facility: December 11, 2024



Photo 254: Flares 9, 10, 11 and Gas-to-Energy Facility: December 11, 2024



Photo 255: Flares 9, 10, 11 and Gas-to-Energy Facility: December 11, 2024

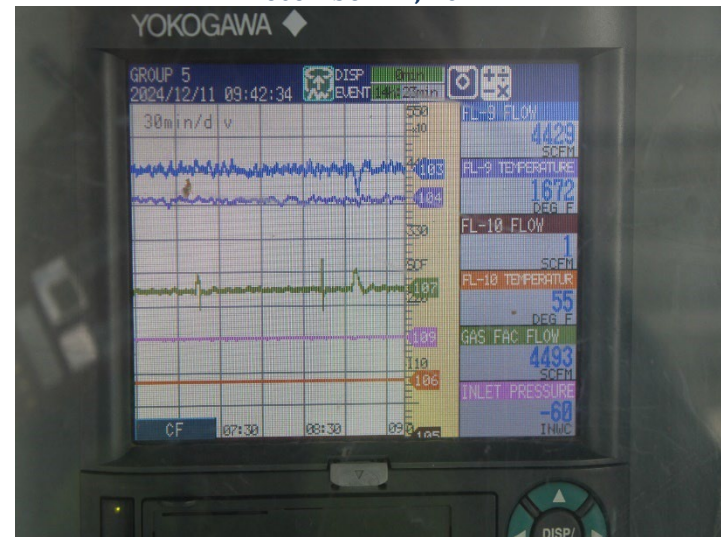


Photo 256: Flares 9, 10, 11 and Gas-to-Energy Facility: December 11, 2024



**Photo 257: Flares 9, 10, 11 and Gas-to-Energy Facility:
December 11, 2024**



**Photo 258: Flares 9, 10, 11 and Gas-to-Energy Facility:
December 11, 2024**



**Photo 259: Flares 9, 10, 11 and Gas-to-Energy Facility:
December 11, 2024**



**Photo 260: Flares 9, 10, 11 and Gas-to-Energy Facility:
December 11, 2024**



**Photo 261: Flares 9, 10, 11 and Gas-to-Energy Facility:
December 11, 2024**



Photo 262: County Top Deck: October 31, 2024



Photo 263: County Top Deck: October 31, 2024



Photo 264: County Top Deck: October 31, 2024



Photo 265: County Top Deck: October 31, 2024



Photo 266: County Top Deck: November 20, 2024

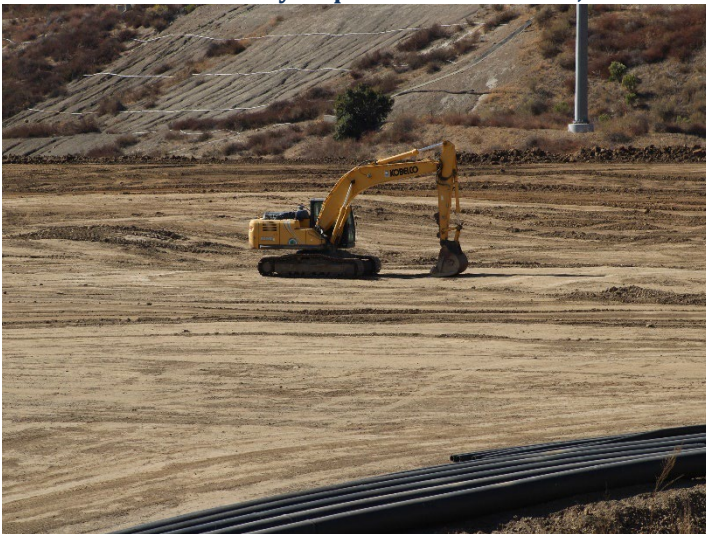


Photo 267: County Top Deck: November 20, 2024



Photo 268: County Top Deck: November 20, 2024



Photo 269: County Top Deck: December 11, 2024



Photo 270: County Top Deck: December 11, 2024



Photo 271: County Top Deck: December 11, 2024



Photo 272: County Top Deck: December 11, 2024



Photo 273: County Top Deck: December 11, 2024



Photo 274: County Top Deck: December 11, 2024



Photo 275: County Top Deck: December 11, 2024



Photo 276: Basin B: November 20, 2024



Photo 277: Basin B: November 20, 2024



Photo 278: Basin B: November 20, 2024



Photo 279: Basin B: November 20, 2024



Photo 280: Basin B: November 20, 2024



Photo 281: Basin B: December 11, 2024



Photo 282: Basin B: December 11, 2024



Photo 283: Basin B: December 11, 2024



Photo 284: Basin B: December 11, 2024



Photo 285: Basin B: December 11, 2024



Photo 286: Basin B: December 11, 2024



Photo 287: Basin B: December 11, 2024



Photo 288: Eastside Drainage Channel: November 20, 2024



Photo 289: Eastside Drainage Channel: November 20, 2024



Photo 290: Eastside Drainage Channel: November 20, 2024



Photo 291: Terminal Basin: October 31, 2024



Photo 292: Terminal Basin: October 31, 2024



Photo 293: Terminal Basin: October 31, 2024



Photo 294: Terminal Basin: October 31, 2024



Photo 295: Terminal Basin: October 31, 2024



Photo 296: Terminal Basin: October 31, 2024



Photo 297: Terminal Basin: October 31, 2024



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Photo 304: Terminal Basin: October 31, 2024



Photo 305: Terminal Basin: October 31, 2024



Photo 306: Terminal Basin: October 31, 2024



Photo 307: Terminal Basin: October 31, 2024



Photo 308: Terminal Basin: October 31, 2024



Photo 309: Terminal Basin: October 31, 2024



Photo 310: Terminal Basin: October 31, 2024



Photo 311: Terminal Basin: October 31, 2024



Photo 312: Terminal Basin: October 31, 2024



Photo 313: Terminal Basin: November 20, 2024



Photo 314: Terminal Basin: November 20, 2024



Photo 315: Terminal Basin: November 20, 2024



Photo 316: Terminal Basin: November 20, 2024



Photo 317: Terminal Basin: November 20, 2024



Photo 318: Terminal Basin: November 20, 2024



Photo 319: Terminal Basin: November 20, 2024



Photo 320: Terminal Basin: November 20, 2024



Photo 321: Terminal Basin: November 20, 2024



Photo 322: Terminal Basin: November 20, 2024



Photo 323: Terminal Basin: November 20, 2024



Photo 324: Terminal Basin: November 20, 2024



Photo 325: Terminal Basin: November 20, 2024



Photo 326: Terminal Basin: November 20, 2024



Photo 327: Terminal Basin: November 20, 2024



Photo 328: Terminal Basin: November 20, 2024



Photo 329: Terminal Basin: November 20, 2024



Photo 330: Terminal Basin: November 20, 2024



Photo 331: Terminal Basin: November 20, 2024



Photo 332: Terminal Basin: November 20, 2024



Photo 333: Terminal Basin: November 20, 2024

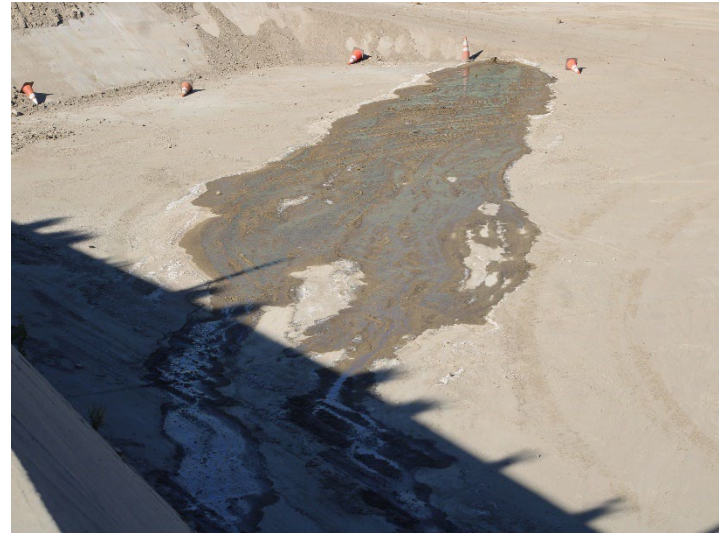


Photo 334: Terminal Basin: November 20, 2024



Photo 335: Terminal Basin: December 11, 2024



Photo 336: Terminal Basin: December 11, 2024



Photo 337: Terminal Basin: December 11, 2024



Photo 338: Terminal Basin: December 11, 2024



Photo 339: Terminal Basin: December 11, 2024



Photo 340: Terminal Basin: December 11, 2024



Photo 341: Terminal Basin: December 11, 2024



Photo 342: Terminal Basin: December 11, 2024



Photo 343: Terminal Basin: December 11, 2024



Photo 344: Terminal Basin: December 11, 2024



Photo 345: Terminal Basin: December 11, 2024



Photo 346: Terminal Basin: December 11, 2024



Photo 347: Terminal Basin: December 11, 2024



Photo 348: Terminal Basin: December 11, 2024



Photo 349: Terminal Basin: December 11, 2024



Photo 350: Terminal Basin: December 11, 2024



Photo 351: Terminal Basin: December 11, 2024



Photo 352: Terminal Basin: December 11, 2024



Photo 353: Terminal Basin: December 11, 2024



Photo 354: Terminal Basin: December 11, 2024



Photo 355: Sage Mitigation, Deck C: October 31, 2024



Photo 356: Sage Mitigation, Deck C: October 31, 2024



Photo 357: Sage Mitigation, Deck C: October 31, 2024



Photo 358: Sage Mitigation, Deck C: December 11, 2024



Photo 359: Sage Mitigation, Deck B: October 31, 2024



Photo 360: Sage Mitigation, Deck B: October 31, 2024



Photo 361: Sage Mitigation, Deck B: October 31, 2024



Photo 363: Sage Mitigation, Deck B: November 20, 2024



Photo 362: Sage Mitigation, Deck B: November 20, 2024



Photo 364: Sage Mitigation, Deck B: November 20, 2024



Photo 365: Sage Mitigation, Deck B: December 11, 2024



Photo 366: Sage Mitigation, Deck B: December 11, 2024



Photo 367: Sage Mitigation, Deck B: December 11, 2024



Photo 368: Southern Ownership Buffer: October 31, 2024



Photo 369: Southern Ownership Buffer: December 11, 2024



Photo 370: Southern Ownership Buffer: December 11, 2024



Photo 371: General Site: October 31, 2024



Photo 372: General Site: October 31, 2024



Photo 373: General Site: October 31, 2024



Photo 374: General Site: October 31, 2024



Photo 375: General Site: October 31, 2024



Photo 376: General Site: October 31, 2024



Photo 377: General Site: October 31, 2024



Photo 378: General Site: October 31, 2024



Photo 379: General Site: October 31, 2024



Photo 380: General Site: October 31, 2024

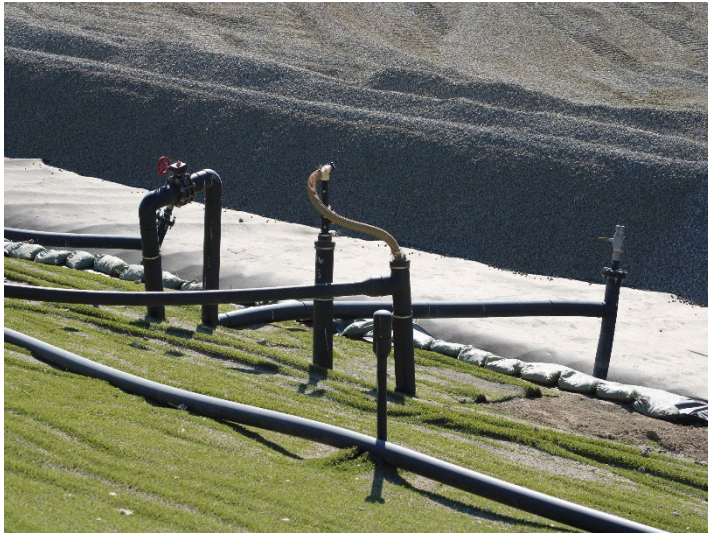


Photo 381: General Site: October 31, 2024

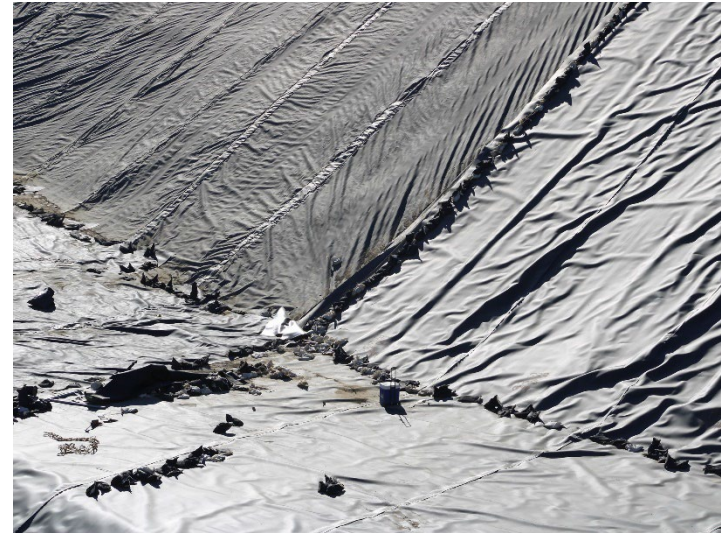


Photo 382: General Site: October 31, 2024



Photo 383: General Site: October 31, 2024



Photo 384: General Site: October 31, 2024



Photo 385: General Site: October 31, 2024



Photo 386: General Site: October 31, 2024



Photo 387: General Site: October 31, 2024



Photo 388: General Site: October 31, 2024



Photo 389: General Site: October 31, 2024

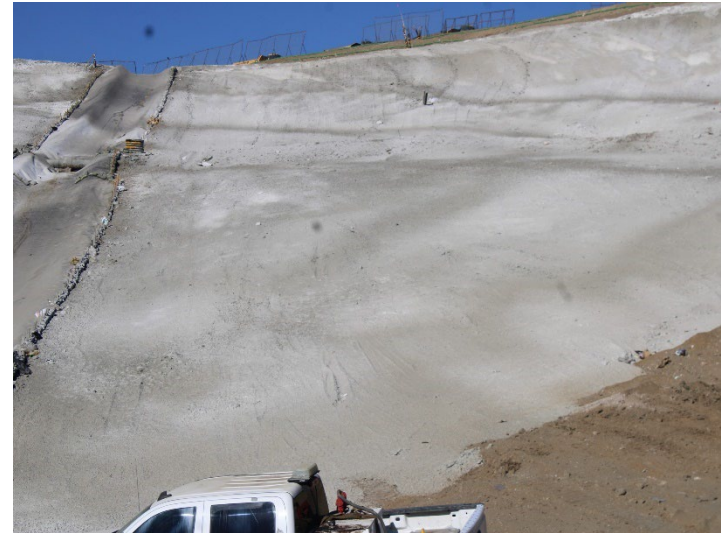


Photo 390: General Site: October 31, 2024



Photo 391: General Site: October 31, 2024

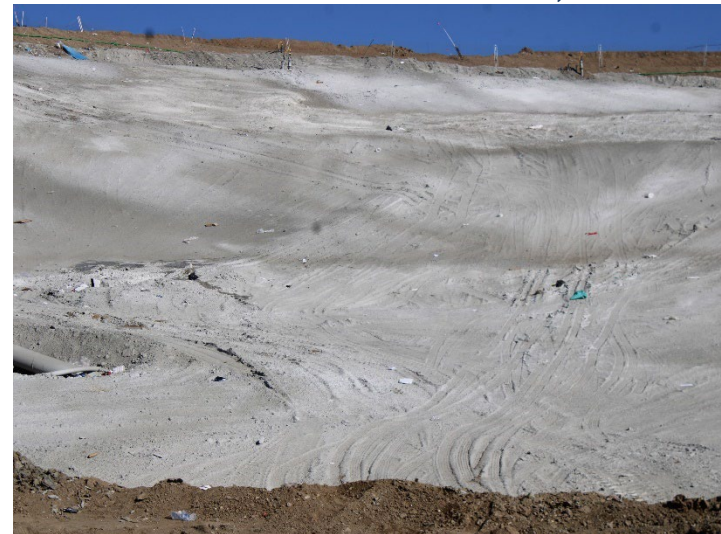


Photo 392: General Site: October 31, 2024

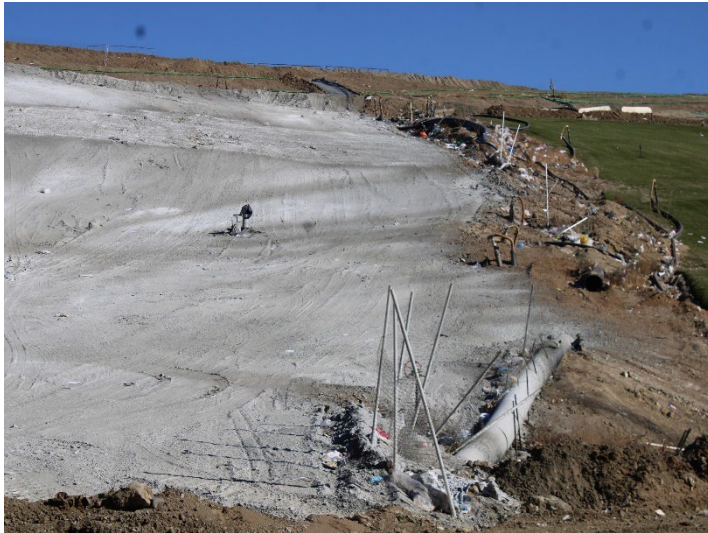


Photo 393: General Site: October 31, 2024



Photo 394: General Site: October 31, 2024



Photo 395: General Site: October 31, 2024



Photo 396: General Site: October 31, 2024



Photo 397: General Site: October 31, 2024



Photo 398: General Site: October 31, 2024



Photo 399: General Site: October 31, 2024



Photo 400: General Site: October 31, 2024



Photo 401: General Site: October 31, 2024



Photo 402: General Site: October 31, 2024



Photo 403: General Site: October 31, 2024



Photo 404: General Site: October 31, 2024



Photo 405: General Site: October 31, 2024



Photo 406: General Site: October 31, 2024



Photo 407: General Site: October 31, 2024



Photo 408: General Site: October 31, 2024



Photo 409: General Site: October 31, 2024



Photo 410: General Site: October 31, 2024



Photo 411: General Site: October 31, 2024



Photo 412: General Site: October 31, 2024



Photo 413: General Site: October 31, 2024



Photo 414: General Site: October 31, 2024



Photo 415: General Site: October 31, 2024



Photo 416: General Site: October 31, 2024



Photo 417: General Site: October 31, 2024



Photo 418: General Site: October 31, 2024



Photo 419: General Site: October 31, 2024



Photo 420: General Site: October 31, 2024



Photo 421: General Site: October 31, 2024



Photo 422: General Site: October 31, 2024



Photo 423: General Site: October 31, 2024



Photo 424: General Site: November 20, 2024



Photo 425: General Site: November 20, 2024



Photo 426: General Site: November 20, 2024



Photo 427: General Site: November 20, 2024

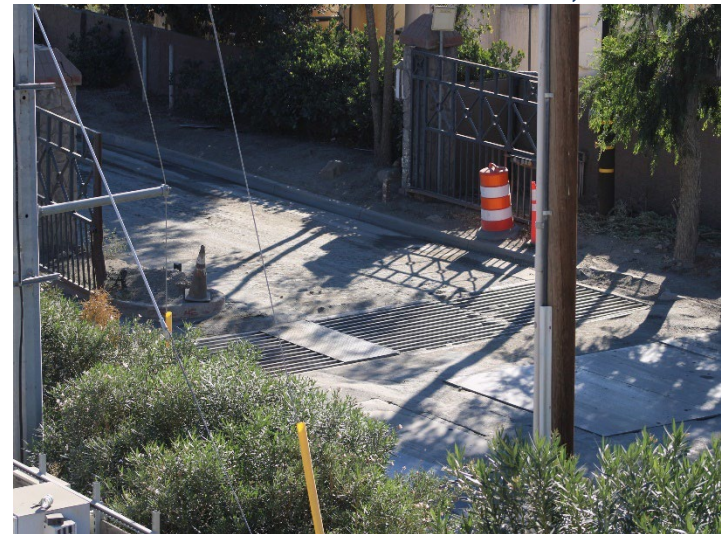


Photo 428: General Site: November 20, 2024



Photo 429: General Site: November 20, 2024



Photo 430: General Site: November 20, 2024



Photo 431: General Site: November 20, 2024



Photo 432: General Site: November 20, 2024



Photo 433: General Site: November 20, 2024



Photo 434: General Site: November 20, 2024

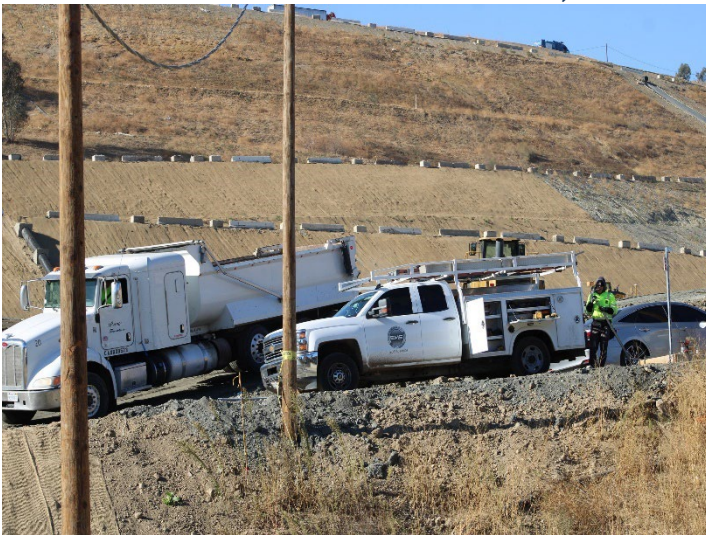


Photo 435: General Site: November 20, 2024



Photo 436: General Site: November 20, 2024



Photo 437: General Site: November 20, 2024



Photo 438: General Site: November 20, 2024



Photo 439: General Site: November 20, 2024



Photo 440: General Site: November 20, 2024



Photo 441: General Site: November 20, 2024



Photo 442: General Site: November 20, 2024



Photo 443: General Site: November 20, 2024



Photo 444: General Site: November 20, 2024



Photo 445: General Site: November 20, 2024

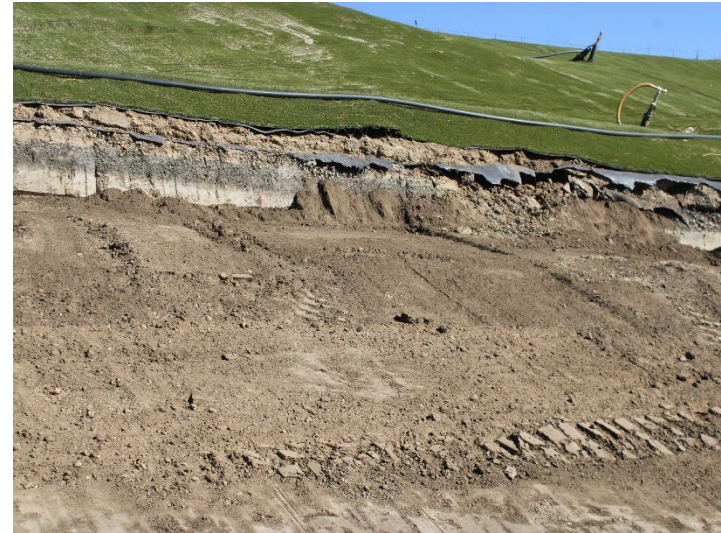


Photo 446: General Site: November 20, 2024



Photo 447: General Site: November 20, 2024



Photo 448: General Site: November 20, 2024



Photo 449: General Site: November 20, 2024



Photo 450: General Site: November 20, 2024



Photo 451: General Site: November 20, 2024



Photo 452: General Site: November 20, 2024



Photo 453: General Site: November 20, 2024



Photo 454: General Site: November 20, 2024



Photo 455: General Site: November 20, 2024



Photo 456: General Site: November 20, 2024



Photo 457: General Site: November 20, 2024



Photo 458: General Site: November 20, 2024



Photo 459: General Site: November 20, 2024



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Photo 496: General Site: November 20, 2024



Photo 497: General Site: December 11, 2024



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Photo 556: General Site: December 11, 2024



Photo 557: General Site: December 11, 2024



Photo 558: General Site: December 11, 2024



Photo 559: General Site: December 11, 2024



Photo 560: General Site: December 11, 2024



Photo 561: General Site: December 11, 2024



Photo 562: General Site: December 11, 2024



Photo 563: General Site: December 11, 2024



Photo 564: General Site: December 11, 2024



Photo 565: General Site: December 11, 2024



Photo 566: General Site: December 11, 2024



Photo 567: General Site: December 11, 2024



Photo 568: General Site: December 11, 2024

Appendix III

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

October 2024

**Sunshine Canyon Landfill
October 31, 2024 Site Visit
Monitoring Summary and Questions
November 5, 2024 Teams Meeting**

October 31, 2024 Site Visit

The site visit began with an overview of site operations from the Old City South Deck A site observation platform area.

Operations

1. The area above the Posi-Shell appears to be graded to control rain event runoff and erosion.
 - a. Can you explain the grading design features? (Photos 2371 and 2372)
2. On October 31, we observed the inactive area covered with Posi-Shell adjacent to the existing Closure Turf (possibly Cell CC4 Part 5 or 6), Photos 2376, 2377. On Photo 2377 and 2451, leachate was coming out of a small area. Also, leachate was coming out of the area above the new liner.
 - a. What is being done to control the liquids and odor? (Photos 2439, 2440, 2444 and 2442)
3. Will the drainage downcomer adjacent to the Closure Turf be graded and covered with HDPE? (Photos 2386 and 2387)

Terminal Basin

4. The terminal basin has alluvial water seeps entering the basin at the wall to floor cracks and being discharged from the outlet risers.
 - a. Will the terminal toe berm be designed to stop and recover this water? (Photos 2406, 2408, 2410 and 2424)

Basin E

5. Will the inlet from Basin E into the Terminal Basin be repaired and modified? (Photo 2406)
6. All the flares were operating at higher-than-normal volumes and the gas to energy plant was not operating.
 - a. What was the cause for the plant being offline?

Site Operations

1. Were there any notices of violation (NOVs) issued in October 2024?
2. Were there any operational complaints in October 2024?

Please view the photos for the October 31, 2024 site visit in the Sunshine Canyon Dropbox directory:

[SCL - Site Photos](#)

**SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT**

Monitor: James Aidukas	Page: 1 of 2
Discipline: Project Manager	Date: 10/31/2024

Site Conditions: 45-70° F, 0-10 mph

SITE LOG

Drove the Granada Hills area near Woodley Avenue, the adjacent neighborhood, and school areas from 6:45 to 7:30 a.m. There were light landfill odors detected at Balboa Blvd and Woodley and in the adjacent neighborhood areas near the end of Timber Ridge. Met with Mike Lindsay (UltraSystems), Edgar De La Torre, and Steven Jareb (LACDRP), Alex Fitchman (LACDPW), and Dave Thompson and Maria Valsqute (City LEA). We then proceeded to monitor the site and observed the following:

- The Administration area facilities were in good condition. Large dirt truck traffic made access difficult.
- The Adler Tank leachate and condensate treatment system was operating, and no odors were detected. The hydrogen peroxide storage vessel had an emergency shutdown switch located near the vessel. There was no remote safety switch.
- Observed the whole landfill from the Deck A viewing platform. The Northeastern area of Cell CC-3 was actively accepting waste. Approximately 40% of the ADC was covered with waste by 9:00am. The erosion at the western edge of the Closure Turf has not been repaired.
- The top deck of the prior active area near the top deck of the bowl area was idle.
- The upper slopes of the prior filled CC-4 Parts 3, 4, and 5 areas were graded, and straw wattles were placed for erosion control. The lower areas were covered with Posi-Shell. There were some seeps of leachate observed coming through the Posi-Shell.
- Soil was being brought in by dump trucks and placed near the active area. Double dump trucks brought in soil that was placed on the County top deck.
- All sediment was removed from the terminal basin. Seep water was entering from the concrete walls.
- The western edge of the Closure Turf was being removed and prepared for the next cell development moving east. Decomposed trash was uncovered at the base of the Closure Turf. Odors were localized to the construction when it was observed.
- The eastern drainage channel downstream of Basin B where the soil was washed away from the back of the concrete channels slope wall had not yet been repaired. Portions of the concrete wall were showing cracks and movement. Vegetation growing in the concrete channel has been removed.
- Basin A was dry and cleared of sediment.
- The westside drainage channel out of Basin A has been cleared of sediment and windblown litter.

- City sage mitigation decks B and C were observed. There was mustard weed growing in the sage mitigation and PM-10 Oak Tree areas. The dead PM-10 mitigation oak trees had not been replaced.
- County sage mitigation slopes were naturally doing well. There was no grading of the bare slopes or planting being done.
- The wastewater city sewer connection at the landfill entrance was observed. There were no odors detected, and no concerns observed.

Flare Operating Conditions:

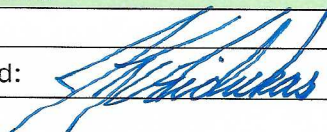
- Flare 1 – 1624 ° F, 2399 SCFM
- Flare 3 – 1633 ° F, 3287 SCFM
- Flare 9 – 1656 ° F, 3904 SCFM
- Flare 10 – 1649 ° F, 4148 SCFM
- Flare 11 – 1662 ° F, 4340 SCFM

The gas-to-energy plant was not operating. The total volume of recovered gas being flared was 18,078 SCFM.

FURTHER REVIEW NEEDED

COMMENTS

Signed:



**SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT**

Monitor: Mike Lindsay	Page 1 of 2
Discipline: Environmental Engineer	Date: 10-31-2024 Thursday
Site Conditions: Clear, 45–69 °F, NNE 3–9 mph, 59% RH, 46 AQI Good	
SITE LOG	
<ol style="list-style-type: none"> 1. No odors are present in the Rancho Cascades neighborhood at 7:35 am. 2. Landfill gas odors are present at the end of Timber Ridge at 7:45 am. Republic odor patrol is active. 3. The Alder tank farm is in good order, with no odors present. 4. Street sweepers are cleaning the haul roads. 5. Met with Jim Aidukas (UltraSystems), Edgar De La Torre and Steven Jareb (LACDRP), Alex Fitchman (LACPW), and Dave Thompson and Maria (LEA), following in separate vehicles to site locations. 6. The admin and LEA facility are in good order. 7. Observed the overall landfill operations from the observation deck. 8. New Posi-Shell has been placed at Cell CC-4 Part 5. 9. Working area at Cell CC-3 is active with tippers, moving floor trucks and packer trucks. 10. ADC at Cell CC-3 is 40% covered with new trash at 8:55 am. 11. Odor dome fan trailers are in-place at Cell CC-3 above the active working area to mitigate odors. 12. Observed closure turf where the west perimeter has been repaired for erosion. No odors are present. 13. Workers are constructing the wet weather deck at the County top deck south end, including crushed asphalt. 14. The terminal basin is clear of sediment. 15. The eastside drainage channel is in good order. 16. The terminal basin outlet channel is in good order. 17. Workers are installing liner material on slopes adjacent to the closure turf, below the Posi-Shell. 18. Leachate is bubbling up through the soil at lower base of Posi-Shell and is also daylighting within the Posi-Shell field. 19. Observed operations from the top deck. 20. Water trucks are applying water throughout site to control dust. 21. Flare 9 is operating at 3865 scfm, 1647 °F. Blowers 1, 2, 3, 4, 5 and 6 are operating. Gas inlet temperature is 122 °F. 22. Blower number 1 has been reinstalled. 23. Flare 10 is operating at 4189 scfm, 1651 °F. Gas inlet temperature is 116 °F. 24. Flare 11 is operating at 4339 scfm, 1696 °F. Gas inlet temperature is 125 °F. 25. Sunshine Gas Producers facility is offline, with no odors present. 26. Perimeter drainage channel at flare pad is in good order, with sediment mostly clear. 27. A drainage channel below (southwest) of the flare pad is still blocked with soil and a large tree. 28. The County top deck is in good order, with stockpiled soil being used for cover material. 29. The County sage mitigation slopes are in good order. 30. Sediment basin A is clear of sediment. 31. The westside drainage channel is in good order; cleared of sediment. 32. Flare 3 is operating at 3287 scfm, 1633 °F. Gas inlet temperature is 141 °F. 33. Flare 1 is operating at 2399 scfm, 1624 °F. Gas inlet temperature is 119 °F. 34. City deck B sage mitigation area is in good order. 	

35. City deck C sage mitigation area is in good order.
36. The south perimeter PM-10 berm has many dead oak trees present.

FURTHER REVIEW NEEDED

1. Eliminate landfill gas odors in adjacent neighborhood.
2. Eliminate leachate from surfacing at base and center of Posi-Shell field.
3. Remove tree from drainage channel southwest of flare 9 pad.
4. Replace dead oak trees at PM-10 berm.

Signed:

Michael W. Lindsay

November 2024

**SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT**

Monitor: James Aidukas	Page: 1 of 2
Discipline: Project Manager	Date: 11/20/2024
Site Conditions: 45-70° F, 0-10 mph	
SITE LOG	
<p>Drove the Granada Hills area near Woodley Avenue, the adjacent neighborhood, and school areas from 6:30 to 7:20 a.m. There were no landfill odors detected at Balboa Blvd and Woodley and in the adjacent neighborhood areas. Met with Mike Lindsay (UltraSystems), Edgar De La Torre, Phillip Chen (LACDRP), Alex Fitchman (LACDPW), and Dave Thompson (City LEA). We then proceeded to monitor the site and observed the following:</p> <ul style="list-style-type: none"> • The Administration area facilities were in good condition. There was large dumptruck traffic on the access roads to this area. • The Adler Tank leachate and condensate treatment system was operating. There were some odors detected coming from the middle of the tank area. The hydrogen peroxide storage vessel had an emergency shutdown switch located near the vessel. There was no remote safety switch. • Observed the whole landfill from the Deck A viewing platform. The Northeastern area of Cell CC-3 was actively accepting waste. Approximately 40% of the ADC was covered with waste by 9:00am. The erosion at the western edge of the Closure Turf has been repaired. • The top deck of the prior active area near the top deck of the bowl area was idle. • The upper slopes of the prior filled CC-4 Parts 3, 4, and 5 areas were graded, and straw wattles were placed for erosion control. This area was also hydroseeded above an area that was covered with Posi-Shell. There were some seeps of leachate observed coming through the Posi-Shell. • Odor Dome fans systems were operating above the active area. No odors were leaving the active site. • Soil was being brought in by dump trucks and placed near the active area. Double dump trucks brought in soil that was placed on the County top deck. • All sediment was removed from the terminal basin. Seep water was entering from the concrete walls. • The western edge of the Closure Turf was being removed and prepared for the next cell development moving east. Decomposed trash was uncovered at the base of the Closure Turf. Odors were localized to the construction when it was observed. Landfill liquids were seeping out of the old landfill in the north area. The liquid recovery systems were not yet connected to this construction area. • The eastern drainage channel downstream of Basin B where the soil was washed away from the back of the concrete channels slope wall had not yet been repaired. Portions of the concrete wall were showing cracks and movement. Vegetation growing in the concrete channel has been removed. Windblown tumble weed and brush were observed in the eastside drainage channel. 	

- Basin A was dry and cleared of sediment.
- The westside drainage channel out of Basin A has been cleared of sediment and windblown litter.
- Windblown litter was observed on the slopes of the Old City South landfill.
- City sage mitigation decks B and C were observed. There was mustard weed growing in the sage mitigation and PM-10 Oak Tree areas. The dead PM-10 mitigation oak trees had not been replaced.
- County sage mitigation slopes were naturally doing well. There was no grading of the bare slopes or planting being done.
- The wastewater city sewer connection at the landfill entrance was observed. There were no odors detected, and no concerns observed.

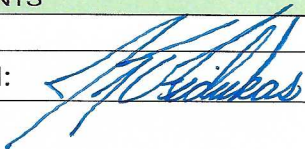
Flare Operating Conditions:

- Flare 1 – 1646 °F, 2380 SCFM
- Flare 3 Not Operating
- Flare 9 – 1655 °F, 2888 SCFM
- Flare 10 – Not Operating
- Flare 11 – 1658 °F, 3426 SCFM

The gas-to-energy plant was operating using 8089 SCFM of recovered gas, 42% volume of CH₄. The total volume of recovered gas was 16,783 SCFM.

FURTHER REVIEW NEEDED

COMMENTS

Signed: 

**SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT**

Monitor: Mike Lindsay	Page 1 of 2	
Discipline: Environmental Engineer	Date: 11-20-2024	Wednesday
Site Conditions: Clear, 45–69 °F, NNE 3–9 mph, 59% RH, 46 AQI Good		
SITE LOG		
<ol style="list-style-type: none"> 1. No odors are present in the adjacent neighborhood and school at 7:30 am. Republic odor patrol is active. 2. Met with Jim Aidukas (UltraSystems), Edgar De La Torre and Phillip Chen (LACDRP), Alex Fitchman (LACPW), and Dave Thompson (LEA), following in separate vehicles to site locations. 3. Street sweepers are cleaning the haul roads. 4. The admin and LEA facility are in good order. 5. Observed the overall landfill operations from the observation deck. 6. Wind-blown trash is present on southern slopes at Cell CC-4 Part 5. 7. Hydroseeding has been performed north of Cell CC-4 Part 5 and the Posi-Shell area. 8. Working area at Cell CC-3 is active with tippers, moving floor trucks and packer trucks. 9. ADC at Cell CC-3 is 30% covered with new trash at 9:00 am. 10. Odor dome fan trailers are in-place at Cell CC-3 above the active working area to mitigate odors. 11. Observed closure turf where the west perimeter has been repaired for erosion. No odors are present. 12. Workers have completed construction of the wet weather deck at the County top deck south end. 13. Water trucks are applying water throughout site to control dust. 14. South slope of the terminal basin has been hydroseeded. 15. The terminal basin is clear of sediment. 16. The eastside drainage channel is in good order. 17. Liquids are present along the terminal basin floor perimeter. 18. The terminal basin outlet channel is in good order. 19. Workers are completing the construction of the new waste cell area south of the Posi-Shell area, including liner, tie-in trenches and cushion soil. 20. Leachate continues to bubble up through the soil at lower base of Posi-Shell area, with strong odors present at 10:00 am. 21. Some exposed waste is present at base of closure turf where excavation has occurred. 22. Leachate odors are present at the Alder tank farm at 11:35 am. 23. Sediment basin B is in good order, ready for wet weather. 24. The eastside drainage channel east of basin B is still undermined by erosion, and vegetation is blocking the drainage culvert. 25. No odors are present at the basin B bowl area. 26. Flare 9 is operating at 2798 scfm, 1652 °F. Gas sample measured at 42 % Vol. CH₄, 0.5 % Vol. O₂, 32 ppm CO, and 42 ppm H₂S. Blowers 1, 2, 3, 4, 5 and 6 are operating. Gas inlet temperature is 136 °F. 27. Flare 10 is offline. 28. Flare 11 is operating at 3424 scfm, 1652 °F. Gas inlet temperature is 129 °F. 29. Sunshine Gas Producers facility is operating at 8035 scfm, with no odors present. 30. Perimeter drainage channel at flare pad is in good order, with sediment mostly clear. 31. A drainage channel below (southwest) of the flare pad is still blocked with soil and a large tree. 32. The County top deck is in good order and has been graded flat across the area. 		

33. The County sage mitigation slopes are in good order.
34. Observed operations from the top deck, including odor dome fans and neutralizer misting lines.
35. Trenches are being excavated on the top deck, with dump trucks hauling away the soil and exposed trash to the active working face. Water trucks are applying water around the trenches to help control odor.
36. Sediment basin A is clear of sediment.
37. The westside drainage channel is in good order; cleared of sediment.
38. Flare 3 is offline.
39. Flare 1 is operating at 2386 scfm, 1626 °F. Gas sample measured at 38 % Vol. CH₄, 0.8 % Vol. O₂, 2 ppm CO, and 78 ppm H₂S. Gas inlet temperature is 120 °F
40. City deck B sage mitigation area is in good order.
41. City deck C sage mitigation area is in good order.
42. The south perimeter PM-10 berm has many dead oak trees present.

FURTHER REVIEW NEEDED

1. Remove wind-blown trash from south slopes.
2. Eliminate leachate from surfacing at base of Posi-Shell field.
3. Re-cover exposed trash at base of Posi-Shell field.
4. Repair eastside drainage channel erosion.
5. Remove vegetation from eastside drainage culvert.
6. Remove tree from drainage channel southwest of flare 9 pad.
7. Replace dead oak trees at PM-10 berm.

Signed: 

December 2024

**SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT**

Monitor: James Aidukas	Page: 1 of 2
Discipline: Project Manager	Date: 12/11/2024

Site Conditions: 45-70° F, 5-15 mph

SITE LOG

Drove the Granada Hills area near Woodley Avenue, the adjacent neighborhood, and school areas from 6:30 to 7:20 a.m. There were no landfill odors detected at Balboa Blvd and Woodley and in the adjacent neighborhood areas. Met with Mike Lindsay (UltraSystems), Steven Jareb, Edgar De La Torre, Phillip Chen (LACDRP), Alex Fitchman and Alex Castro (LACDPW), and Dave Thompson (City LEA). We then proceeded to monitor the site and observed the following:

- The Administration area facilities were in good condition. There was large dump truck traffic on the access roads to this area.
- The Adler Tank leachate and condensate treatment system was operating. There were some odors detected coming from the middle of the tank area. The hydrogen peroxide storage vessel had an emergency shutdown switch located near the vessel. There was no remote safety switch.
- There was windblown litter on the northern slopes of the Old City Landfill from prior days of high southern winds. It will be weeks before the litter can be picked up. Litter fencing was being used to reduce the spread of litter.
- Observed the whole landfill from the Deck A viewing platform. The Northeastern area of Cell CC-3 was actively accepting waste. Approximately 50% of the ADC was covered with waste by 11:00am. The erosion at the western edge of the Closure Turf has been repaired.
- Two Odor Dome fan trailer units were in place north of the Cell CC-3 active area to mitigate tipping odors. No active disposal odors were leaving the site.
- The top deck of the prior active area near the top deck of the bowl area was idle.
- The upper slopes of the prior filled CC-4 Parts 3, 4, and 5 areas were graded, and straw wattles were placed for erosion control. This area was also hydroseeded above an area that was covered with Posi-Shell. There were some seeps of leachate observed coming through the Posi-Shell.
- The area connecting to the Old City South Landfill had some leachate and gas seeps in the western newly lined area. Once fully connected to the liquids and gas handling systems, this problem should be controlled.
- Soil was being brought in by dump trucks and placed near the active area. Double dump trucks brought in soil that was placed on the County top deck.
- All sediment was removed from the terminal basin. Seep water was entering from the concrete walls and the partially built final toe berm.
- The western edge of the Closure Turf had decomposed trash that was uncovered at the base of the Closure Turf. Odors were localized to the construction when it was observed.

- The eastern drainage channel downstream of Basin B where the soil was washed away from the back of the concrete channels slope wall had not yet been repaired. Portions of the concrete wall were showing cracks and movement. Vegetation growing in the concrete channel has been removed. Windblown tumble weed and brush were observed in the eastside drainage channel.
- Basin A was cleared of sediment with ponding water at the outlet risers.
- The westside drainage channel out of Basin A has been cleared of sediment. It did have some windblown litter that was not yet removed.
- Windblown litter was observed on the slopes of the Old City South landfill.
- City sage mitigation decks B and C were observed. There was mustard weed growing in the sage mitigation and PM-10 Oak Tree areas. The dead PM-10 mitigation oak trees had not been replaced.
- County sage mitigation slopes were naturally doing well. There was no grading of the bare slopes or planting being done.
- The wastewater city sewer connection at the landfill entrance was observed. There were no odors detected, and no concerns observed.

Flare Operating Conditions:

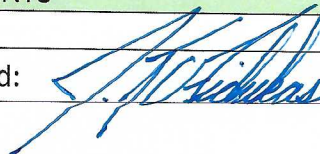
- Flare 1 – 1640 °F, 2298 SCFM
- Flare 3 – Not Operating
- Flare 9 - 1666 °F, 4490 SCFM
- Flare 3 – Not Operating
- Flare 10 – Not Operating
- Flare 11 - 1644 °F, 4594 SCFM

The gas-to-energy plant was operating using 4446 SCFM of recovered gas, 42% volume of CH₄. The total volume of recovered gas was 15,828 SCFM.

FURTHER REVIEW NEEDED

COMMENTS

Signed:



**SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT**

Monitor: Mike Lindsay	Page 1 of 2
Discipline: Environmental Engineer	Date: 12-11-2024 Wednesday
Site Conditions: Mostly Cloudy, 46–65 °F, N 6–15 mph, 22% RH, 39 AQI Good	
SITE LOG	
<ol style="list-style-type: none"> 1. No odors are present in the adjacent neighborhood and school at 7:40 am. Republic odor patrol is active. 2. Met with Jim Aidukas (UltraSystems), Steven Jareb, Edgar De La Torre and Phillip Chen (LACDRP), Alex Fitchman and Alex Castro (LACPW), and Dave Thompson (LEA), following in separate vehicles to site locations. 3. The admin and LEA facility are in good order. 4. Observed the overall landfill operations from the observation deck. 5. Wind-blown trash is present on southern slopes at Cell CC-4 Part 5 due to high wind events. Workers are picking up the trash at several locations. The litter fences are performing well, with litter collecting at the southern buffer fencing. 6. Working area at Cell CC-3 is active with tippers, moving floor trucks and packer trucks. 7. ADC at Cell CC-3 is 50% covered with new trash at 11:30 am. 8. Bird abatement is active, including falconry. A flock of small black birds are landing at the edge of the working area. 9. Odor dome fan trailers are in-place at Cell CC-3 above the active working area to mitigate odors. 10. Observed closure turf where the west perimeter has been repaired for erosion. No odors are present. 11. Water trucks are applying water throughout site to control dust. 12. Street sweepers are cleaning the haul roads. 13. The terminal basin is clear of sediment, with some water ponding at riser drain area. 14. The eastside drainage channel is in good order. 15. Liquids are present along the terminal basin floor perimeter. 16. The terminal basin outlet channel is in good order. 17. Met with Kate Downey (Republic Services) at the terminal basin area, and discussed the details of the final toe berm, soil import requirements, wind-blown trash issues, the upcoming AQMD abatement order, the horizontal trenching at top fill area, NOV status, etc. 18. Workers have completed the construction of the new waste cell area south of the Posi-Shell area, including liner, tie-in trenches and cushion soil. The cell is ready for waste, which should occur this Monday, per Kate Downey. 19. Leachate and exposed trash are still present at the base of the Posi-Shell area. 20. Sediment basin A is clear of sediment, with water ponding near the riser drains. 21. The westside drainage channel is in good order; cleared of sediment. 22. Flare 1 is operating at 2293 scfm, 1640 °F. Gas sample measured at 38 % Vol. CH₄, 0.8 % Vol. O₂, 0 ppm CO, and 77 ppm H₂S. Gas inlet temperature is 98 °F 23. Leachate odors are no longer present at the Alder tank farm at 12:30 am. 24. City deck B sage mitigation area is in good order. 25. City deck C sage mitigation area is in good order. 26. The south perimeter PM-10 berm has many dead oak trees present. 	
FURTHER REVIEW NEEDED	

1. Remove wind-blown trash from south slopes.
2. Eliminate leachate from surfacing at base of Posi-Shell field.
3. Re-cover exposed trash at base of Posi-Shell field.
4. Replace dead oak trees at PM-10 berm.

Signed: 