Sunshine Canyon Landfill
Independent Monitor
Quarterly Site Monitoring Status Report
January 1, 2024 – March 31, 2024

Prepared For:

City of Los Angeles Department of City Planning

And

County of Los Angeles Department of Regional Planning

Prepared By:

UltraSystems
environmental | management | planning

16431 Scientific Way
Irvine, California 92618

Prepared On:

May 31, 2024

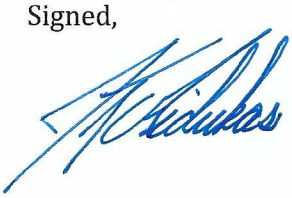
CERTIFICATION STATEMENT

May 31, 2024

The attached Quarterly Site Monitoring Status Report for the Sunshine Canyon Landfill dated May 31, 2024 is the First Quarterly Report for 2024, issued by UltraSystems. This report covers the monitoring period from January 1, 2024 through March 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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Appendices

Quarterly Status Report

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

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

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

This Quarterly Report provides the City of Los Angeles Department of Planning and the County of Los Angeles Department of Regional Planning with a concise status of the Mitigation Measure Monitoring for the period of January 1, 2024, to March 31, 2024. It includes:

1. The City and County Mitigation Monitoring Summary spreadsheets for January 1, 2024, to March 31, 2024. These spreadsheets record the areas of monitoring completed and the status of being compliant during the first 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 January to March 2024 quarter in order to observe operational site activities and determine compliance status with conditions and/or mitigation measures. They were performed on January 8, 2024; February 15, 2024; and March 7, 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

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

Non-Compliant

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

Further Review Needed

The following conditions and/or mitigation measures were found not to be fully compliant but were being worked on in order to obtain full compliance. This section summarizes the progress being made toward being fully compliant. When a condition and/or mitigation measure progresses from "FRN" to fully compliant, it is noted as Resolved in this section, and on the City and County Mitigation Monitoring Summary spreadsheets.

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

Geology-1.07 (County)
All grading activities shall be in compliance with specific requirements provided in a comprehensive geotechnical report for the proposed Project, including provisions for excavation approved by the County Department of Public Works, the County Local Enforcement Agency (LEA) and other Responsible Agencies.

Geology-1.11 (County)
Grading allows for ancillary facilities outside of the landfill footprint.

Biota-4.29 (County)
San Diego Horned Lizard: Impact on the San Diego horned lizard can be mitigated to a level of less than significant by restoring coastal sage scrub habitat. This will create a temporal loss of the species, but the population should recover following restoration of this habitat. Topsoils should be selected that are friable to suit lizard habitat requirements.

Biota-4.30 (County)
California Gnatcatcher: Surveys shall be conducted for California gnatcatchers prior to Game Permit onsite grading to determine the status of this Game species within development areas.

Biota-4.33 (County)
Migratory Bird Treaty Act: To prevent the loss of an active migratory bird nest, vegetation shall not be cleared during the breeding season (i.e. March 15 to August 1).

Biota-4.34 (County)
Raptor nests: If habitat removal is proposed during the raptor breeding season (i.e. March to July), a survey shall be conducted for active nesting areas.

Current Status/Comment – There was no grading outside of the approved landfill development limits during the 1st 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. The City/County CUP condition 1.18 requires that all alluvium soils be removed prior to filling with compacted soils. Alluvium removal is to be verified by a qualified geologist. The monitor was not able to obtain the geotechnical reports concerning alluvial removal or county code compliance. Rain events in the 1st Quarter caused significant erosion and mudflows. This resulted in an accumulation of sediment and standing water in the Terminal Basin and Basin A,

and sediment in Basins B and E. The Terminal Basin had major erosion at the inlet pipes from the landfill and damage to the inlet concrete wall. Sediment and rock were being discharged into the County outlet channel. No City-approved drawings were available for review. No soil testing or compaction of the soil was seen, except for scrapers traveling on the soil to compact the future scales pad and access road. Cells CC-4 Part 3, 4 and 5 were accepting waste during the 1st Quarter. All erosion in this area from the rain events was repaired. The future scales pad was being graded. The road around Basin E was being graded wider to have three (3) truck lanes. The new temporary access road to CC-4 Part 3, 4 and 5 was near completion and had portions paved.

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 1st Quarter, localized dust clouds occurred on dirt roads to and on the County top deck when waste hauling transfer and packer trucks used the dirt roads going to the active waste disposal areas and when soil importation trucks were delivering soil. These temporary roads did not have rock nor recycled concrete surfacing or soil stabilizer to control dust generation. The dust was not observed leaving the site 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 1st 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 1st Quarter, site monitoring, power outages and gas recovery system maintenance caused fluctuation in gas recovery volumes. Any operating data was not constant.

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 1st Quarter. Grading for the new main access road realignment in the small valley south of the current main access road was in progress. The construction plans and supporting geotechnical reports were reviewed and approved by City Planning and the City Building Department. The City also approved brush and tree clearance and hillside grading. The technical reports and detailed plans were not available for review by the monitor. Compliance with County Geology – 1.07 was not able to be verified by the monitor. Grading for the future scales pad was nearing completion. The new temporary access road from this pad to the Cell CC-4 Part 3, 4, and 5 active areas had a major portion of the road paved.

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 1st 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 1st Quarter, Closure Turf was being maintained, and gas and liquids recovery systems under the turf were performing well. This cover material was in lieu of vegetation on the south-facing slopes and controlled and eliminated dust and erosion while also recovering landfill gas and leachate. There was a significant erosion rill at the interface of Cell 2A cover soil and the western edge of the Closure Turf.

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 applicant 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 1st Quarter, there were no landfill odors detected in the adjacent neighborhoods.

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

M-4.3.1(37) (City)
As development of the site proceeds, surface drainage systems shall be maintained so that surface runoff is diverted away from working slopes and isolated from landfilled refuse. Onsite drainage channels would be designed per CCR, Title 23, Division 3, Chapter 15, Article 3, §2533(C), and County of Los Angeles Public Works Department, Flood Control Division requirements.

Surface Water - 2.03 (County)
As development of the site proceeds, surface drainage systems shall be maintained so that surface runoff is diverted away from working slopes and isolated from landfilled refuse. Onsite drainage channels would be designed per CCR, Title 23, Division 3, Chapter 15, Article 3, §2546(C), which mandates the requirements for a capital storm event (100-year 24-hour precipitation).

M-4.3.1(38) (City)
Permanent bench drainage ditches shall be installed when final cover is placed on completed portions of the landfill. These ditches shall be lined. Temporary unlined drainage facilities consisting of diversion ditches (V-ditches) where necessary shall directly intercept natural surface runoff. Any intermittent channel flow in the existing canyon bottom shall be captured, channeled, and conveyed into a sedimentation basin. Diversion ditches shall convey surface runoff from the undisturbed areas to the permanent perimeter ditches for safe transport around the landfill footprint. Surface covers of various types, from mulches to vegetation, shall be used to retard erosion from areas of disturbance. In addition, areas of disturbance shall be kept at a minimum during active filling operations.

Surface Water - 2.12 (County)
Permanent bench drainage ditches shall be installed when final cover is placed on completed portions of the landfill. These ditches shall be lined. Temporary unlined drainage facilities consisting of diversion ditches (V-ditches) where necessary shall directly intercept natural surface runoff. Any intermittent channel flow in the existing canyon bottom shall be captured, channeled, and conveyed into a sedimentation basin. Diversion ditches shall convey surface runoff from the undisturbed areas to the permanent perimeter ditches for safe transport around the landfill footprint. Surface covers of various types, from mulches to vegetation, shall be used to retard erosion from areas of disturbance. In addition, areas of disturbance shall be kept at a minimum during active filling operations.

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

Surface drainage systems were in-place to intercept or divert rainwater away from prior landfill cells and current filling operations. Most of these were temporary systems in active areas, and most conveyance V-ditches were unlined. The construction of the final toe berm and main access road realignment project is ongoing. This is a two-year project and includes a new basin, modification of the terminal basin, and the construction of new drainage channels, and possibly a new upstream basin from the terminal basin. The road realignment will entail the construction of a new main access road, a 350,000-cubic-foot sedimentation basin, drainage improvements in the ravine south of the current entrance, and modifications to the terminal basin's size and inlet sources. The design plans, design details and engineering calculations were submitted to the City for permit approval. The

design plans and engineering reports were not available for review by the monitor nor submitted to the LACDPW for approval. Compliance with Surface Water – 2.03 could not be verified. An engineering evaluation of the total site's surface drainage system should be done which reflects the current system's modifications. Onsite drainage channels should be designed per CCR, Title 23, Division 3, Chapter 15, Article 3, Section 2533(C), and County of Los Angeles Public Works Department, Flood Control requirements.

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 1st 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 LACDPW for approval. Compliance with Surface Water – 2.03 could not be verified. An engineering evaluation of the total site's surface drainage system should be done which reflects the current system's modifications. Onsite drainage channels should be designed per CCR, Title 23, Division 3, Chapter 15, Article 3, Section 2533(C), and County of Los Angeles Public Works Department, Flood Control requirements.

M-4.3.1(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 bans 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 1st Quarter, none of the basins or channels were fully cleared of sediment. Standing water was observed in the Terminal Basin and Basin A. 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 not 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 on a monthly basis, with a summary report issued on a quarterly basis. These reports were not reviewed in the 1st Quarter.

In the 1st 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. There was also no progress in maintaining the San Fernando Road retaining wall by removing the rock and soil on top of and adjacent to the wall.

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 1st Quarter. Tank farm liquids were being treated with 30% hydrogen peroxide at the tank farm and at the sewer connection.

M-4.4.1(60) (City)
Venturan Coastal Sage Scrub
A detailed conceptual mitigation plan shall be prepared by the project proponent and contain specific information on planting, maintenance, and monitoring. A revegetation plan that includes Coastal sage scrub restoration can feasibly occur onsite. The implementation of this plan will provide onsite mitigation greater than 1:1 to offset the loss of coastal sage scrub.

Biota - 4.27 (County)
Venturan Coastal Sage Scrub: A detailed conceptual mitigation plan shall be prepared by the permittee and shall contain specific information on planting, maintenance, and monitoring. A revegetation plan that includes coastal sage scrub restoration can feasibly occur onsite. The implementation of this plan will provide onsite mitigation greater than 1:1 to offset the loss of coastal sage scrub.

Current Status/Comments – During the 1st 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 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 activity was done for this area in the 1st 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-gallong container trees. Mitigation trees shall be planted prior to impacted trees being removed, thus allowing tress 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 1st 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.

M-4.4.2/69 (City)
Potential candidate mitigation sites have been identified by the project proponent in conjunction with resource agencies for consideration to compensate for impacts on riparian and wetland resources as a

result of project development. These sites include Bull Creek, Bee Canyon and East Canyon, which are located proximate to the project site. Prior to the development of any detailed mitigation plans and drawings, the final selection will be determined cooperatively by the CDFW, Corps, SWRCB, and other regulatory agencies in conjunction with the City and project proponent.

Current Status/Comments – The status on providing offsite wetland and riparian mitigation has not changed in the 1st Quarter. The City was proceeding with writing and adopting an ordinance to allow the wetlands and riparian mitigation to be created in the Chatsworth Reservoir. All environmental analysis has been completed. Republic stated that there has been no progress in finalizing and adopting the ordinance. Since the COVID-19 pandemic, progress had been suspended. The delay in the issuance of the City ordinance is delaying any progress in creating the required wetlands and riparian mitigation. Time extension letters from the US Corps of Engineers and the California Department of Fish and Wildlife were in-place for 2019. New extension letters were not obtained since then. The feasibility of the Chatsworth Dam mitigation site needs to be evaluated as still being a potential mitigation site.

M-4.9.3(110) (City)
Landfill employees shall watch for any illegal dumping activities on or around the project site. The landfill litter control crew shall provide cleanup servicer 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 1st 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 1st 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 1st 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 the Compliance with each component of Condition 77 should be prepared and submitted to the TAC.

Conclusions

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

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

The 2024 1st 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
(01-01-2024 through 03-31-2024)

Line #	Reference #	Mitigation #	City Mitigation Measures and Conditions Monitored by Discipline	Monitoring Frequency	Fourth Quarter 2023												First Quarter 2024											
					10/30/2023	Status*	Further Review Needed/Comments**	Resolved*	11/29/2023	Status*	Further Review Needed/Comments**	Resolved*	12/11/2023	Status*	Further Review Needed/Comments**	Resolved*	1/8/2024	Status*	Further Review Needed/Comments**	Resolved*	2/15/2024	Status*	Further Review Needed/Comments**	Resolved*	3/7/2024	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-j		✓	C	I-k		✓	C	I-l		✓	C	I-a		✓	C	I-b		✓	C	I-c	
9	Q - B.2.c.		Ancillary Uses and Facilities	ongoing	✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-a		✓	C	I-b		✓	C	I-c	
10			Ancillary Uses and Facilities																									
11	Q - B.2.d (3)		10 Year Phase Review	2015	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
12			10 Year Phase Review																									
13	Q - B.4.d.		Inert/Exempt Materials	info	/				/				/				/				/				/			
14	Q - B.5.a.		Prohibited Waste	info	/				/				/				/				/				/			
15	Q - B.6.		Waste Diversion	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
16	Q - C.3.g.		Paved Access Roads	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
17	Q - C.3.h.		Surfacing of Access Roads	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
18	Q - C.5.		Graffiti Removal and Deterrence	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
19	Q - C.10.c.		Evaluation of Beneficial Gas Usage	June yearly	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
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**
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/ = 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-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
27	T - 5.j.		Trip Diversion	status	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
28	T - 6		Satisfactory Street Lighting	status	/				/				/				/				/				/			
29																												
30	M - 4.1.1	7	Reabandonment Procedures	status	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	C	I-a		✓	C	I-b		✓	C	I-c	
31	M - 4.1.4	11	Post-5.0 Earthquake Analysis	upon event	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
32	M - 4.2.12	27	Heavy Equipment Operations	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
33	M - 4.2.12		Heavy Equipment Operations	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
34	M - 4.2.12	28	Site Erosion-Cover	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
35	M - 4.2.12		Site Erosion-Cell Height	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
36	M - 4.2.12		Site Erosion-Sealant	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
37	M - 4.2.13	29	LFG Control Measures	ongoing	/		I-j		/		I-k		/		I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
38	M - 4.2.13	30	Operational Odor Control Techniques	ongoing	/		I-j		/		I-k		/		I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
39	M - 4.2.13	31	Solid Waste Compaction	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
40	M - 4.2.13	32	LFG Collection and Recovery System	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
41	M - 4.2.13	33	Odor Control Measures	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	FRN	NONE		✓	FRN	NONE		✓	FRN	NONE	

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

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62	M - 4.16.4	176	Reclaimed Water	status	/				/				/				/				/				/			
63	M - 4.16.4	177	Water Conservation	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
64																												
65	**Civil & Geotechnical Engineer**																											
66																												
67																												
68	M - 4.1.1	2	Grading Outside of Conceptual Grading Plan Area	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	C	I-a		✓	C	I-b		✓	C	I-c	
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-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
71	M - 4.1.1	5	Grading Activity Compliance	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
72	M - 4.1.2	8	Landslide Guidelines	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
73	M - 4.1.2	9	Soil Stabilization	ongoing																								
74	M - 4.1.4	10	Landfill Design	ongoing																								
75	M - 4.1.4	11	Earthquake Operations Checklist	upon event	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
76	M - 4.1.5	12	Geologic Hazards - Liquefaction	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
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-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
80	M - 4.1.6	16	Cut and Fill Slope Gradients	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
81	M - 4.1.6	17	Final Slope Factors of Safety	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
82	M - 4.1.6	18	Survey Monuments	ongoing	✓	NC	I-j		✓	NC	I-k		✓	NC	I-l		✓	NC	I-a		✓	NC	I-b		✓	NC	I-c	
83	M - 4.3.2	47	Landfill Liner	ongoing																								

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84	M - 4.3.2	48	Landfill Liner	ongoing																								
85	M - 4.3.2	54	Preliminary Closure/Postclosure Plan	status																								
86	M - 4.3.2	55	Landfill Design/Operation/Final Closure Monitoring	status																								
87	M - 4.3.2	56	Cover Application	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
88	M - 4.14.1	155	Access Roadway Grade	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
89	M - 4.18	178	Landfill Elevation Exceedance	ongoing	✓	FRN	NONE		✓	FRN	NONE		✓	FRN	NONE		✓	C	I-a		✓	C	I-b		✓	C	I-c	
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-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
96	M - 4.3.1	37	Surface Drainage Systems	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
97	M - 4.3.1	38	Permanent/Temporary Ditches	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
98	M - 4.3.1	39	Drainage Protection	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
99	M - 4.3.1	40	SWRCB Permit Coverage	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	C	I-a		✓	C	I-b		✓	C	I-c	
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-j		✓	NC	I-k		✓	NC	I-l		✓	NC	I-a		✓	NC	I-b		✓	NC	I-c	
103	M - 4.3.1	44	Final Landfill Cover	ongoing																								
104	M - 4.3.1	45	Erosion Control Plan	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
105	M - 4.3.1	46	Preventive Maintenance Program	ongoing	✓	NC	I-j		✓	NC	I-k		✓	NC	I-l		✓	NC	I-a		✓	NC	I-b		✓	NC	I-c	

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

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

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

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

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194	M - 4.19.1	186	Archaeological Resources	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
195																												
196	**Paleontologist**																											
197																												
198																												
199	M - 4.19.2	187	Paleontological Resources Resurvey	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
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-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	

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1	**Project Manager**																											
2																												
3																												
4	Amendment 45.N - 1	45N	Daily Cover Materials	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
5	Amendment 45.N - 3	45N	Daily Cover Procedure	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
6	Amendment 45.N - 4.a	45N	Order for Abatement Status	ongoing	/		I-j		/		I-k		/		I-l		/		I-a		/		I-b		/		I-c	
7	Amendment 45.N - 4.c	45N	Odor Patrol Program	ongoing	/		I-j		/		I-k		/		I-l		/		I-a		/		I-b		/		I-c	
8	Amendment 45.N - 4.d	45N	Landfill Gas Mitigation Plan	ongoing	/		I-j		/		I-k		/		I-l		/		I-a		/		I-b		/		I-c	
9	Amendment 45.N - 5	45N	Dust and Odor Reports	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
10																												
11	Combined Site & Bridge Area -20.A	20.A	Joint Powers Authority	info	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
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-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
15	Revegetation - 44.F	44.F	Revegetation	status	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
16	Fugitive Dust - 45.B	45.B	Working Face Areas	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
17	Fugitive Dust - 45.F	45.F	Inactive Areas Monitoring	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
18	Fugitive Dust - 45.I	45.I	Cleaning of Roads	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
19	Litter Control - 46.A - .D	46A-D	Litter Control Program	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
20	Gas - 52	52	Landfill Gas Collection System	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
21	Traffic - 57	57	Traffic Improvements	status	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
22	Traffic - 60	60	Street Light Installation	status	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
23	Traffic - 61	61	Traffic Minimization	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
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-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
29	Alternative Fuel Vehicles - 77.B	77.B	Alternative Fuel Vehicles-Refuse/Collection Trucks	status	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
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-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
33	Alternative Fuel Vehicles - 77.F	77.F	Alternative Fuel Vehicles-Non-diesel Truck Trip Requirements	status	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
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-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
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-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
41																												
42	MMRS-12/01/06		Mitigation Monitoring and Reporting Summary	info	/				/				/				/				/				/			
43			Permits																									
44	Geology - 1.15		Permittee's On-site Solid Waste Recovery and Recycling Program	status	/				/				/				/				/				/			
45	Surface Water - 2.09		SWRCB Permit Coverage	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	C	I-a		✓	C	I-b		✓	C	I-c	
46	Surface Water - 2.15		Surface Water Preventive Maintenance Program	ongoing	✓	NC	I-j		✓	NC	I-k		✓	NC	I-l		✓	NC	I-a		✓	NC	I-b		✓	NC	I-c	

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47	Groundwater - 3.13		Groundwater-LFG Migration Mitigation	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
48	Groundwater - 3.14		Groundwater-Monitoring Wells	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
49	BIOTA – 4.05		Annual Fee Submission for SEA Studies	status	/				/				/				/				/				/			
50	BIOTA – 4.06		Buffer Zone Maintenance as Nature Preserve	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
51	BIOTA – 4.07		Buffer Zone Maintenance-Vegetation	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
52	BIOTA – 4.08		Ridgeline Maintenance-Remain Undisturbed	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
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-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
56	BIOTA – 4.50		Vector Activity Monitoring	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
57	Air Quality - 6.03		Dust Emission Minimization	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
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-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
65	Air Quality - 6.11		Alternative Fuel Refuse Collection/Transfer Trucks	status																								
66	Air Quality - 6.11		Alternative Fuel Vehicle Report Submission	status																								
67	Air Quality - 6.11		Heavy-duty, Alternative Fuel Off-Road Equipment Pilot Program	status																								
68	Air Quality - 6.11		Non-Diesel, Alternative Fuel Vehicles-Transfer/Collection Trucks	status																								

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69	Air Quality - 6.11		Non-Diesel, Alternative Fuel Vehicles Truck Trips	status																								
70	Air Quality - 6.11		Clean Fuel Demonstration Program	status																								
71	Air Quality - 6.11		Compliance Evaluation	status																								
72	Odor/Landfill Gas – 7.01		Landfill Gas Escape Prevention	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
73	Odor/Landfill Gas – 7.02		Landfill Gas Collection System	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
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-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
78	Traffic/Circulation – 8.03		Street Light Installation	status	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
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-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
90	Visual – 10.11		Litter Control-Fencing	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	C		✓	FRN	I-b		✓	FRN	I-c	
91	Visual – 10.11		Periodic Litter Pickup	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	I-a		✓	C	I-b		✓	C	I-c	

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92	Visual – 10.11		Litter Control-Additional Measures	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
93	Visual – 10.12		Discharge Control/Litter Recovery	status																								
94	Water Conserv. - 11.01		Water Conservation	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
95	Recycling - 14.01		On-site Waste Diversion/Recycling	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
96	Recycling - 14.03		Tonnage Disposal Determination	info	/				/				/				/				/				/			
97	Recycling - 14.04		Recycling-Various Tasks	info	/				/				/				/				/				/			
98			Clean Dirt Procedures																									
99	Site - 15.11		Reclaimed Water Utilization	status	/				/				/				/				/				/			
100	Site - 15.12		Water Conservation Measures	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
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-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
127																												
128	Geology - 1.01		Survey Monument Locations	ongoing	✓	NC	I-j		✓	NC	I-k		✓	NC	I-l		✓	NC	I-a		✓	NC	I-b		✓	NC	I-c	
129	Geology - 1.02		Seismic Design	ongoing																								
130	Geology - 1.03		Maximum Refuse Slope Gradients	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
131	Geology - 1.04		Maximum Refuse Slope Gradients	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
132	Geology - 1.05		Unsuitable Material Procedures	ongoing																								

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133	Geology - 1.06		Grading Activities Procedures	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
134	Geology - 1.07		Grading Activities Procedures	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
135	Geology - 1.09		Outer Perimeter Ridgeline Requirements	info	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
136	Geology - 1.12		Soil Stabilization	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
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-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
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-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
142	Surface Water - 2.05		Underdrain Requirements	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
143	Surface Water - 2.06		Final Cover for Surface Water Runoff Control	ongoing																								
144	Groundwater - 3.02		Liner System Requirements	ongoing																								
145	Groundwater - 3.04		Onsite Inspector for Liner Installation	ongoing																								
146	Groundwater - 3.09		Alluvium Removal	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
147	Visual – 10.01		Landfill Elevations	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
148	Visual – 10.02		Final Fill Elevations	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
149																												
150	**Hydrologist**																											
151																												
152																												
153	Grading & Drainage - 38	38	Installation of Drainage Structures	ongoing																								
154																												
155	Geology - 1.17		Landfill Design/Construction-Seismic	ongoing																								
156	Surface Water - 2.01		Surface Water Runoff Interception	ongoing																								

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157	Surface Water - 2.02		Surface Water Runoff Collection	ongoing																								
158	Surface Water - 2.03		Surface Drainage Control-Maintenance	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
159	Surface Water - 2-04		Sedimentation Basin Capabilities	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
160	Surface Water - 2.05		Underdrain Placement	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
161	Surface Water - 2.07		Drainage Control System Design Approval	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
162	Surface Water - 2.08		Surface Water Runoff-Drainage System	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
163	Surface Water - 2.10		Surface Water Collection System-Monitoring	ongoing	✓	NC	I-j		✓	NC	I-k		✓	NC	I-l		✓	NC	I-a		✓	NC	I-b		✓	NC	I-c	
164	Surface Water - 2.11		Surface Water Quality-Collection/Monitoring	ongoing																								
165	Surface Water - 2.12		Permanent/Temporary Drainage Facilities	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
166	Surface Water - 2.13		Permanent/Temporary Drainage Facilities	ongoing																								
167	Surface Water - 2.14		Erosion Control Plan	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
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-j		✓	NC	I-k		✓	NC	I-l		✓	NC	I-a		✓	NC	I-b		✓	NC	I-c	
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-j		✓	C	I-k		✓	C	I-l		✓	C	I-a		✓	C	I-b		✓	C	I-c	

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

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205	Visual – 10.07		Tree Planting Around Perimeter	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
206	Visual – 10.08		Cover/Revegetation Requirements	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
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-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
209	Visual – 10.08		Final Fill Slopes-Reclamation/Revegetation	status	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
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-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
212	Visual – 10.10		Buffer Zone Maintenance	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
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-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
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-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
226	Air Quality – 6.01		Working Face Requirements	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
227	Air Quality – 6.01		Erosion Control-Daily Cover	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	

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

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Sunshine Canyon Landfill County Mitigation Monitoring Summary
(01-01-2024 through 03-31-2024)

Line #	Reference #	Mitigation #	County Mitigation Measures and Conditions Monitored by Discipline	Monitoring Frequency	Fourth Quarter 2023												First Quarter 2024											
					10/30/2023	Status*	Further Review Needed/Comments**	Resolved*	11/29/2023	Status*	Further Review Needed/Comments**	Resolved*	12/11/2023	Status*	Further Review Needed/Comments**	Resolved*	1/8/2024	Status*	Further Review Needed/Comments**	Resolved*	2/15/2024	Status*	Further Review Needed/Comments**	Resolved*	3/7/2024	Status*	Further Review Needed/Comments**	Resolved*
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-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
256	Fire Service - 12.04		On-site Fuel Storage Tanks-Permit Issuance	ongoing	✓	FRN	NONE		✓	FRN	NONE		✓	FRN	NONE		✓	FRN	NONE		✓	FRN	NONE		✓	FRN	NONE	
257	Fire Service - 12.05		Building Limits	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
258	Fire Service - 12.06		Methane Gas Monitoring-On-site Structures	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
259	Hazardous Materials – 13.02		Waste Load Checking Program	ongoing																								
260	Hazardous Materials – 13.05		Hazardous Waste Disposal	ongoing																								
261	Hazardous Materials – 13.10		Hazardous Waste-Procedures	ongoing																								
262	Hazardous Materials – 13.11		Spill Response Program	ongoing																								
263	Safety - 16.02		Injury and Illness Prevention Program	status																								
264	Safety - 16.03		Working Conditions-Monitoring	status																								
265	Safety - 16.04		Inspection Checklist-Work Area Exposure	status																								
266	Safety - 16.07		Accident/Injury Reports	status																								
267	Safety - 16.08		First-aid Kits	ongoing																								
268	Safety - 16.10		Lockout/Blackout Procedures	status																								
269	Safety - 16.11		Personal Protective Equipment	status																								
270	Landfill Operation - 18.8		Prohibited Waste Procedures	ongoing																								
271																												
272	**Archaeologist**																											
273																												
274																												
275	Ecological Significance - 62	62	Archaeological/Paleontological Identification/Conservation Program	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
276	IMP - Part VII.B	IMP7	Archaeological/Paleontological Report Submission	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	

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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-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
279	Archaeological – 5.03		Onsite Paleontologist	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
280	Archaeological – 5.04		Archaeological/Paleontological Identification Instruction	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
281	Archaeological – 5.05		Archaeological Resource Curation	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
282																												
283	**Paleontologist**																											
284																												
285																												
286	Ecological Significance - 62	62	Archaeological/Paleontological -Material Identification/Conservation	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
287	IMP - Part VII.B	IMP7	Archaeological/Paleontological-Report Submission	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	

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Appendix I
Further Review Needed Comments: Reference I-a through I-c
First 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-a through I-c: There was no grading outside of the approved landfill development limits during the 1st 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. The City/County CUP condition 1.18 requires that all alluvium soils be removed prior to filling with compacted soils. Alluvium removal is to be verified by a qualified geologist. The monitor was not able to obtain the geotechnical reports concerning alluvial removal or County code compliance. Rain events in the 1st Quarter caused significant erosion and mudflows. This resulted in an accumulation of sediment and standing water in the Terminal Basin and Basin A, and sediment in Basins B and E. The Terminal Basin had major erosion at the inlet pipes from the landfill and damage to the inlet concrete wall. Sediment and rock were being discharged into the County outlet channel. No City-approved drawings were available for review. No soil testing or compaction of the soil was seen, except for scrapers traveling on the soil to compact the future scales pad and access road. Cells CC-4 Part 3, 4 and 5 were accepting waste during the 1st Quarter. All erosion in this area from the rain events was repaired. The future scales pad was being graded. The road around Basin E was being graded wider to have three (3) truck lanes. The new temporary access road to CC-4 Part 3, 4 and 5 was near completion and had portions paved.
		Geology - 1.07	County DPW EPD/SCL-LEA	I-a through I-c: See Q – B.2.c above.
		Geology - 1.12	County DPW EPD/SCL-LEA	I-a through I-c: See Q – B.2.c above.
	Q - C.3.h		City Planning	I-a through I-c: In the 1st Quarter, localized dust clouds occurred on dirt roads to and on the County top deck when waste hauling transfer and packer trucks used the dirt roads going to the active waste disposal areas and when soil importation trucks were delivering soil. These temporary roads did not have rock nor recycled concrete surfacing or soil stabilizer to control dust generation. The dust was not observed leaving the site 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.10.c		City Planning	I-a through I-c: During the 1st Quarter site monitoring, power outages and gas recovery system maintenance cause fluctuation in gas recovery volumes. Any operating data was not constant.

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-a through I-c: See Q - C.10.c above.
		Gas - 52	County DPW EPD/SCL-LEA County Forester Fire Warden	I-a through I-c: See Q - C.10.c above.
	T-4		City Planning, City Fire Department	I-a through I-c: 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-a through I-c: See T-4 above.
	M - 4.1.1 / 4	M - Earth Resources	City Department of Building and Safety	I-a through I-c: 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 1st 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-a through I-c: 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-a through I-c: See M - 4.1.1 / 7 above.
	M - 4.1.4 / 11	Post-5.0 Earthquake Analysis	City Planning	I-a through I-c: There were no earthquakes of 5.0 or greater during this monitoring period.
	M - 4.2.12 / 26 and 28		City Planning/SCAQMD	I-a through I-c: During the 1st Quarter, Closure Turf was being maintained, and gas and liquids recovery systems under the turf were performing well. This cover material was in lieu of vegetation on the south-facing slopes, and controlled and eliminated dust and erosion while also recovering landfill gas and leachate. There was a significant erosion rill at the interface of Cell 2A cover soil and the western edge of the Closure Turf.
		Fugitive Dust - 45.F	County DPH/County LEA County DPW-EPD County Biologist	I-a through I-c: 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-a through I-c: 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-a through I-c: See M -4.2.13/ 29, 30, 32, 34 above.
		Amendment 45.N-5	County DPW-EPD	I-a through I-c: See M -4.2.13/ 29, 30, 32, 34 above.
	M - 4.2.13 / 33		City Planning/SCAQMD	I-a through I-c: On our random days of site visits during the 1st Quarter, there were no landfill odors detected in the adjacent neighborhoods.
	M - 4.2.13 / 34		City Planning/SCAQMD	I-a through I-c: See M-4.2.13/29, 30, and 32 above.
		Odor/Landfill Gas - 7.06	County DPW-EPD/SCL-LEA/SCAQMD	I-a through I-c: See M-4.2.13/33 above.
		Amendment 45.N - 4.a, 4.c, 4.d	County DPW-EPD	I-a through I-c: See M-4.2.13/29, 30, 32, and 34 above.
		Amendment 45.N - 5	County DPW-EPD	I-a through I-c: See M-4.2.13/29, 30, 32, and 34 above.
		Surface Water - 2.15	County DPW EPD/ LARWQCB, SCL- LEA	I-a through I-c: 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 1st Quarter. In the 1st 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. There was also no progress in maintaining the San Fernando Road retaining wall by removing the rock and soil on top of and adjacent to the wall.
	M - 4.4.2/ 69		City Planning	I-a through I-c: The status on providing offsite wetland and riparian mitigation has not changed in the 1st Quarter. The City was proceeding with writing and adopting an ordinance to allow the wetlands and riparian mitigation to be created in the Chatsworth Reservoir. All environmental analysis has been completed. Republic stated that there has been no progress in finalizing and adopting the ordinance. Since the COVID-19 pandemic, progress has been suspended. The delay in the issuance of the City ordinance is delaying any progress in creating the required wetlands and riparian mitigation. Time extension letters from the US Corps of Engineers and the California Department of Fish and Wildlife were in place for 2019. New extension letters were not obtained since then. The feasibility of the Chatsworth Dam mitigation site needs to be evaluated as still being a potential mitigation site.

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-a through I-c: See M - 4.4.2 / 69 above.
	M - 4.9.3 / 110		City Planning/City LEA	I-a through I-c: In the 1st 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.
	M - 4.1.1 / 2		City Building and Safety City Planning	I-a through I-c: See M - 4.1.1 / 5 below.
	M - 4.1.1 / 4		City Planning/LARWQCB Cal Recycle	I-a through I-c: See M - 4.1.1 / 5 below.
	M - 4.1.1 / 5		City Planning/ LARWQCB Cal Recycle	I-a through I-c: There was no grading outside of the approved landfill development limits during the 1st Quarter. Grading for the new main access road realignment in the small valley south of the current main access road was in progress.. The construction plans and supporting geotechnical reports were reviewed and approved by City Planning and the City Building Department. The City also approved brush and tree clearance and hillside grading. The technical reports and detailed plans were not available for review by the monitor. Compliance with County Geology - 1.07 was not able to be verified by the monitor. Grading for the future scales pad was nearing completion. The new temporary access road from this pad to the CC-4 Part 3, 4 and 5 active areas had a major portion of the road paved.
		Geology - 1.07	County DPW EPD/ County LEA	I-a through I-c: See M - 4.1.1 / 5 above.
	M - 4.1.5 / 12		City Planning/LARWQCB Cal Recycle	I-a through I-c: See M - 4.1.1 / 5 above.
	M - 4.1.6 / 18			I-a through I-c: 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-a through I-c: 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-a through I-c: 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-a through I-c: 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-a through I-c: Surface drainage systems were in-place to intercept or divert rainwater away from prior landfill cells and current filling operations. Most of these were temporary systems in active areas, and most conveyance V-ditches were unlined. The construction of the final toe berm and main access road realignment project is ongoing. This is a two-year project and includes a new basin, modification of the terminal basin, and the construction of new drainage channels, and possibly a new upstream basin from the terminal basin. The road realignment will entail the construction of a new main access road, a 350,000-cubic-foot sedimentation basin, drainage improvements in the ravine south of the current entrance, and modifications to the terminal basin's size and inlet sources. The design plans, design details and engineering calculations were submitted to the City for permit approval. The design plans and engineering reports were not available for review by the monitor nor submitted to the LACDPW for approval. Compliance with Surface Water - 2.03 could not be verified. An engineering evaluation of the total site's surface drainage system should be done which reflects the current system's modifications. Onsite drainage channels should be designed per CCR, Title 23, Division 3, Chapter 15, Article 3, Section 2533(C), and County of Los Angeles Public Works Department, Flood Control requirements.
Hydrologist		Surface Water - 2.03 Surface Water - 2.12	County DPW EPD/ LARWQCB SCL-LEA	I-a through I-c: See M - 4.3.1/ 37, 38 above.
	M - 4.3.1 / 39		City Planning/LARWQCB Cal Recycle	I-a through I-c: See M - 4.3.1/ 37, 38 above.
	M - 4.3.1 / 40		City Planning/ LARWQCB CalRecycle SCL-LEA PW-BOE LADBS	I-a through I-c: See M - 4.3.1/ 37, 38 above.
	M - 4.3.1 / 43		City Planning/ LARWQCB CalRecycle SCL-LEA PW-BOE LADBS	I-a through I-c: In the 1st Quarter, none of the basins or channels were fully cleared of sediment. Standing water was observed in the Terminal Basin and Basin A. 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 not repaired. Sediment, small rocks and debris were still being discharged into the outlet channel to the County flood control system.
		Surface Water - 2.10	LARWQCB / County DPW EPD	I-a through I-c: See M - 4.3.1/ 37, 38 and 43 above.
		Surface Water - 2.14	LARWQCB / County DPW EPD	I-a through I-c: See M - 4.3.1/ 37, 38 and 43 above.
	M - 4.3.1/ 46		City Planning/ LARWQCB CalRecycle PW-BOE	I-a through I-c: See 2.15 above.

Discipline	City Condition Reference # / Mitigation #	County Condition Reference #/ Mitigation #	Responsible Agency	Further Review Needed – Comments
Hydrologist	M - 4.3.2 / 50		City Planning/ LARWQCB CalRecycle SCL-LEA	I-a through I-c: 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 1st Quarter. Tank farm liquids were being treated with 30% hydrogen peroxide at the tank farm and at the sewer connection.
Biologist	M - 4.1.1 / 6		City Planning/ LARWQCB CalRecycle SCL-LEA LADBS	I-a through I-c: See M - 4.2.12 / 28 above.
		Geology - 1.14	LARWQCB/ County Forester	I-a through I-c: See M - 4.2.12 / 28 above.
	M - 4.2.11 / 23		City Planning	I-a through I-c: See M - 4.2.12 / 28 above.
		Geology - 1.13	County DPW EPD/ County Forester LARWQCB	I-a through I-c: See M - 4.2.12 / 28 above.
	M - 4.2.12		SCL-LEA/ City Planning	I-a through I-c: See M - 4.2.12 / 28 above.
		Revegetation - 44.A	SCL-LEA/ County DPW EPD Regional Planning County Biologist	I-a through I-c: See M - 4.2.12 / 28 above.
		Revegetation - 44.F	SCL-LEA/ County DPW EPD Regional Planning County Biologist	I-a through I-c: See M - 4.2.12 / 28 above.
		Biota - 4.42	SCL-LEA	I-a through I-c: See M - 4.2.12 / 28 above.
		Air Quality - 6.02	SCAQMD/ SCL-LEA	I-a through I-c: See M - 4.2.12 / 28 above.
		Visual - 10.08	County Forester	I-a through I-c: See M - 4.2.12 / 28 above.

Discipline	City Condition Reference # / Mitigation #	County Condition Reference #/ Mitigation #	Responsible Agency	Further Review Needed – Comments
Biologist	M - 4.4.1 / 60		City Planning	I-a through I-c: During the 1st 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 1st 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.
		Biota - 4.27	County LEA/CDFW	I-a through I-c: See M - 4.4.1 / 60 above.
		Biota - 4.10	County LEA/CDFW	I-a through I-c: 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-a through I-c: See Biota - 4.10 above.
	M - 4.9.4 / 121		City Planning/Cal Recycle Cal OSHA LAFD City LEA	I-a through I-c: See T-4 above.
	M-4.9.4/ 125		City Planning/ CalRecycle Cal OSHA SCL-LEA	I-a through I-c: During the 1st Quarter, the north perimeter gate was observed not to be locked.
Paleontologist	M-4.19.2/ 191		City Planning	I-a through I-c: During the 1st Quarter, grading was performed in native undisturbed areas that required archeological and paleontological monitoring. Reports were not available for review.
		Ecological Significance 62	County Planning	I-a through I-c: See M-4.19.2/ 191 above.

Appendix II
Relevant Site Photos

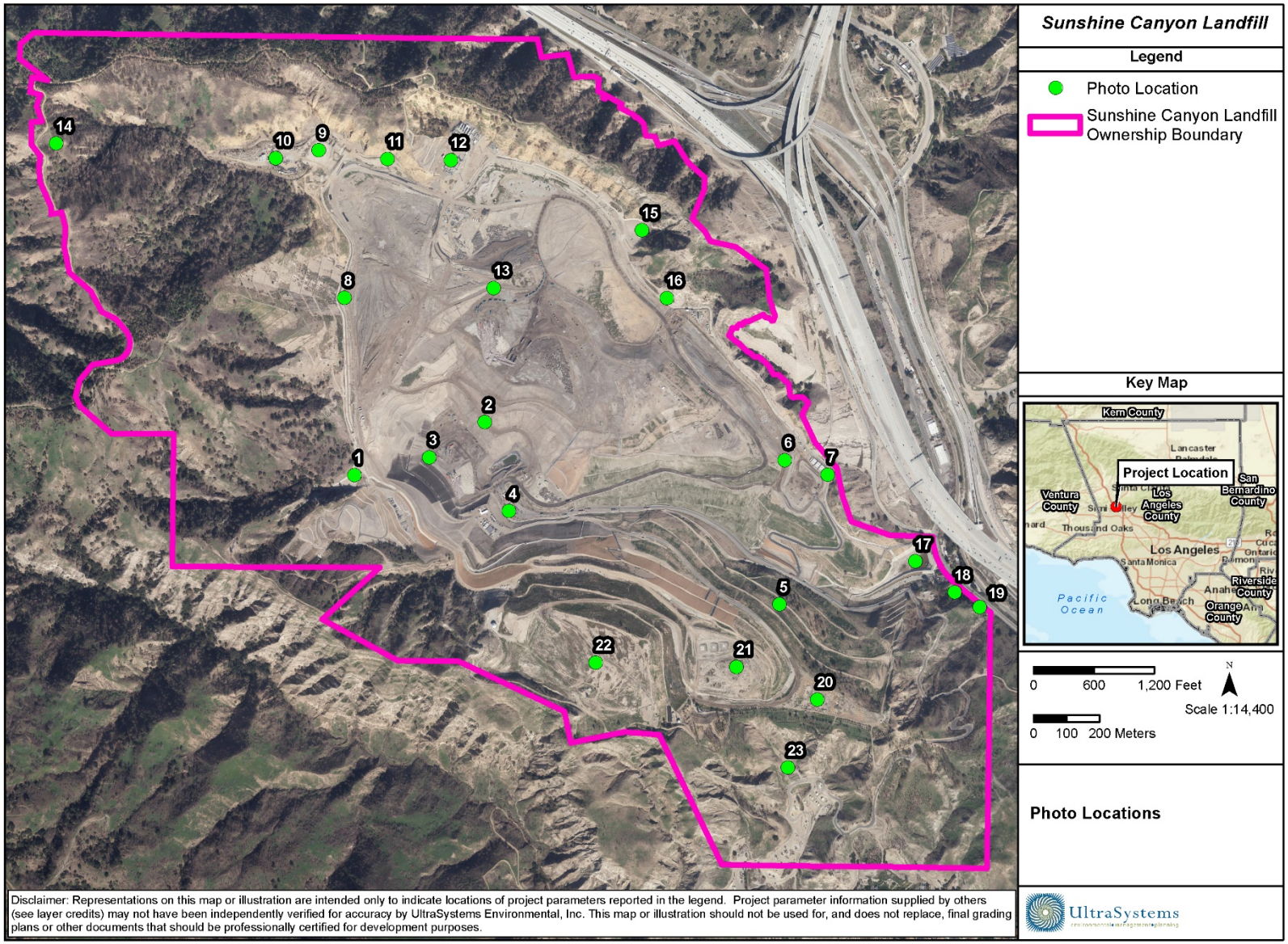
Sunshine Canyon Landfill
Legend
Photo Location
Sunshine Canyon Landfill Ownership Boundary
Key Map
Kern County
Project Location
Ventura County
Los Angeles County
San Bernardino County
Riverside County
Orange County
Thousand Oaks
Los Angeles
Santa Monica
Long Beach
Pacific Ocean
0 600 1,200 Feet
Scale 1:14,400
0 100 200 Meters
Photo Locations
Disclaimer: Representations on this map or illustration are intended only to indicate locations of project parameters reported in the legend. Project parameter information supplied by others (see layer credits) may not have been independently verified for accuracy by UltraSystems Environmental, Inc. This map or illustration should not be used for, and does not replace, final grading plans or other documents that should be professionally certified for development purposes.
UltraSystems
Path: \\GISSVR\gis\Projects\5800_Sunshine_Canyon\MXDs\PhotoLocations\5800_Sunshine_Canyon_PhotoLocations_2020_10_12.mxd
Service Layer Credits: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community; CAL FIRE, 2007; Republic, March 2020; LA County Assessor, 2020
October 12, 2020

Photo Location Map Key

Map Location	Title	Photo Number
1	Basin A	1 – 17
2	Working Area, CC4 Part 1/2	18 – 44
3	Working Area, CC-4 Part 3	45 – 58
4	Working Area, CC-4 Part 4/5	59 – 84
5	Closure Turf	85 – 95
6	Office and Scales Location	96
7	Alder Tank Liquids Treatment System	97 – 105
8	County Sage Mitigation Area and Westside Drainage Channels	106 – 108
9	Basin D	109 – 112
10	Basin D Material Storage Area	–
11	Basin D Outlet Channel	–
12	Flares 9, 10, 11 and Gas-to-Energy Facility	113 – 161
13	County Top Deck	162 – 176
14	North Access Road	–
15	Basin B	177 – 206
16	Eastside Drainage Channel	207 – 220
17	Terminal Basin	221 – 325
18	Greywater Sewer Connection	–
19	Retaining Wall at San Fernando Road	–
20	Sage Mitigation, Deck C	–
21	Sage Mitigation, Deck B	326 – 328
22	Sage Mitigation, Deck A	–
23	Southern Ownership Buffer	329 – 334
–	General Site, Road Realignment	335 – 579

Photo 1: Basin A: January 8, 2024

Photo 2: Basin A: January 8, 2024

Photo 3: Basin A: January 8, 2024

Photo 4: Basin A: January 8, 2024

Photo 5: Basin A: January 8, 2024

Photo 6: Basin A: January 8, 2024

Photo 7: Basin A: January 8, 2024

Photo 8: Basin A: January 8, 2024

Photo 9: Basin A: February 15, 2024

Photo 10: Basin A: February 15, 2024

Photo 11: Basin A: February 15, 2024

Photo 12: Basin A: February 15, 2024

Photo 13: Basin A: February 15, 2024

Photo 14: Basin A: February 15, 2024

Photo 15: Basin A: February 15, 2024

Photo 16: Basin A: February 15, 2024

Photo 17: Basin A: February 15, 2024

Photo 18: Working Area, CC4 Part 1/2: January 8, 2024

Photo 19: Working Area, CC4 Part 1/2: January 8, 2024

Photo 20: Working Area, CC4 Part 1/2: January 8, 2024

Photo 21: Working Area, CC4 Part 1/2: January 8, 2024

Photo 22: Working Area, CC4 Part 1/2: January 8, 2024

Photo 23: Working Area, CC4 Part 1/2: January 8, 2024

Photo 24: Working Area, CC4 Part 1/2: January 8, 2024

Photo 25: Working Area, CC4 Part 1/2: January 8, 2024

Photo 26: Working Area, CC4 Part 1/2: February 15, 2024

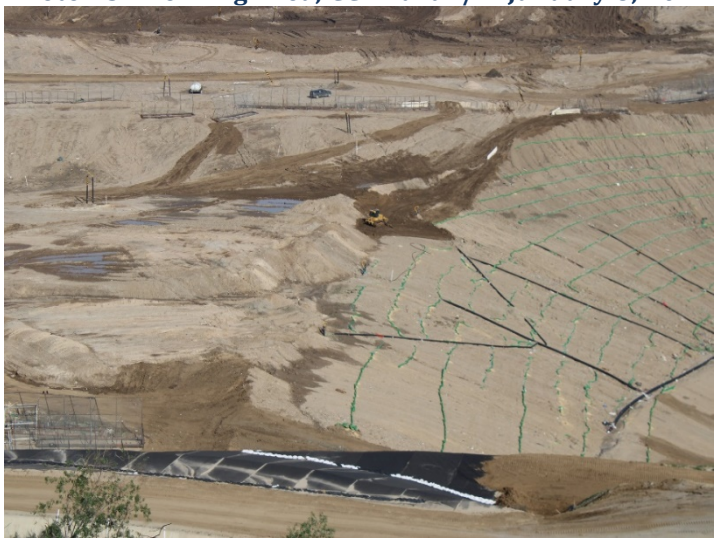

Photo 27: Working Area, CC4 Part 1/2: February 15, 2024

Photo 28: Working Area, CC4 Part 1/2: February 15, 2024

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Photo 30: Working Area, CC4 Part 1/2: February 15, 2024

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Photo 32: Working Area, CC4 Part 1/2: February 15, 2024

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Photo 34: Working Area, CC4 Part 1/2: February 15, 2024

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Photo 36: Working Area, CC4 Part 1/2: February 15, 2024

Photo 37: Working Area, CC4 Part 1/2: February 15, 2024

Photo 38: Working Area, CC4 Part 1/2: February 15, 2024

Photo 39: Working Area, CC4 Part 1/2: February 15, 2024

Photo 40: Working Area, CC4 Part 1/2: March 7, 2024

Photo 41: Working Area, CC4 Part 1/2: March 7, 2024

Photo 42: Working Area, CC4 Part 1/2: March 7, 2024

Photo 43: Working Area, CC4 Part 1/2: March 7, 2024

Photo 44: Working Area, CC4 Part 1/2: March 7, 2024

Photo 45: Working Area, CC-4 Part 3: February 15, 2024

Photo 46: Working Area, CC-4 Part 3: February 15, 2024

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Photo 49: Working Area, CC-4 Part 3: February 15, 2024

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Photo 51: Working Area, CC-4 Part 3: February 15, 2024

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Photo 56: Working Area, CC-4 Part 3: February 15, 2024

Photo 57: Working Area, CC-4 Part 3: February 15, 2024

Photo 58: Working Area, CC-4 Part 3: February 15, 2024

Photo 59: Working Area, CC-4 Part 4/5: January 8, 2024

Photo 60: Working Area, CC-4 Part 4/5: January 8, 2024

Photo 61: Working Area, CC-4 Part 4/5: January 8, 2024

Photo 62: Working Area, CC-4 Part 4/5: January 8, 2024

Photo 63: Working Area, CC-4 Part 4/5: January 8, 2024

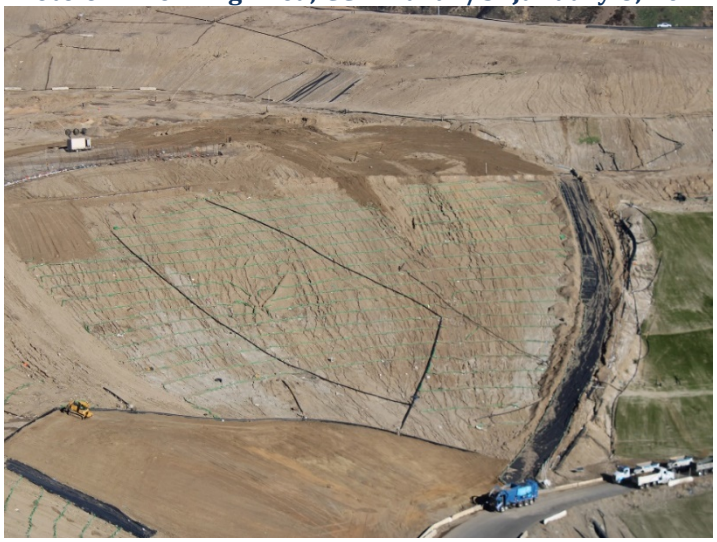

Photo 64: Working Area, CC-4 Part 4/5: January 8, 2024

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Photo 66: Working Area, CC-4 Part 4/5: January 8, 2024

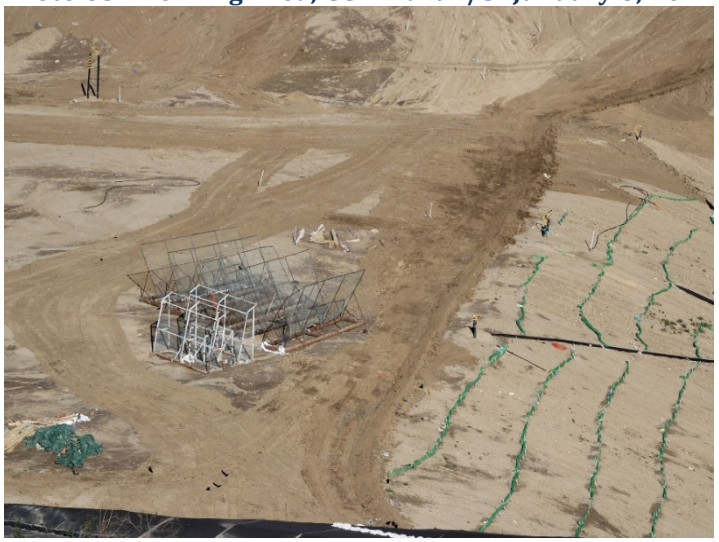

Photo 67: Working Area, CC-4 Part 4/5: January 8, 2024

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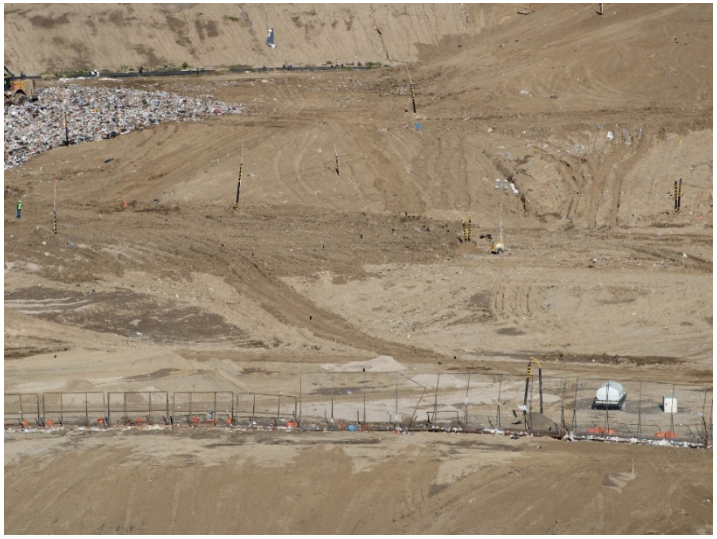

Photo 70: Working Area, CC-4 Part 4/5: January 8, 2024

Photo 71: Working Area, CC-4 Part 4/5: January 8, 2024

Photo 72: Working Area, CC-4 Part 4/5: January 8, 2024

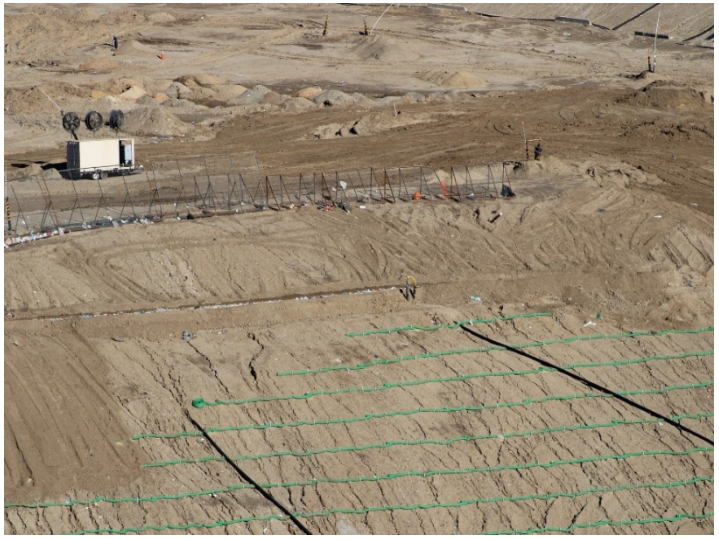

Photo 73: Working Area, CC-4 Part 4/5: January 8, 2024

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Photo 85: Closure Turf: January 8, 2024

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Photo 87: Closure Turf: January 8, 2024

Photo 88: Closure Turf: January 8, 2024

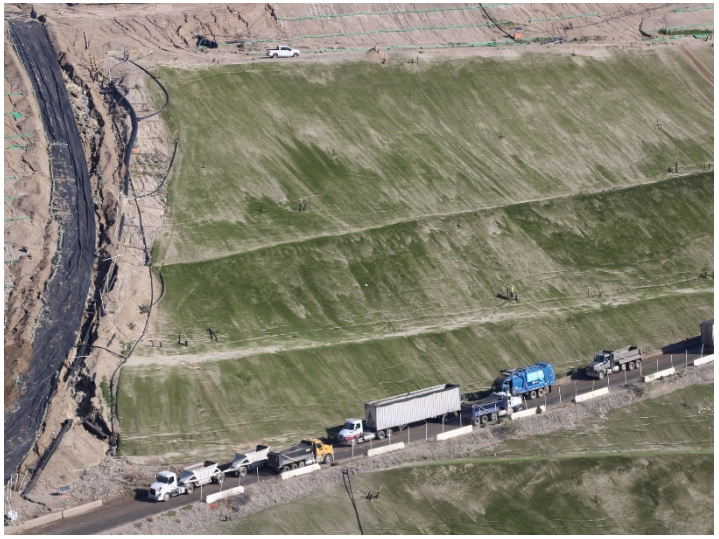

Photo 89: Closure Turf: February 15, 2024

Photo 90: Closure Turf: February 15, 2024

Photo 91: Closure Turf: February 15, 2024

Photo 92: Closure Turf: February 15, 2024

Photo 93: Closure Turf: March 7, 2024

Photo 94: Closure Turf: March 7, 2024

Photo 95: Closure Turf: March 7, 2024

Photo 96: Office and Scales Location: January 8, 2024

Photo 97: Alder Tank Liquids Treatment System: March 7, 2024

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Photo 104: Alder Tank Liquids Treatment System: March 7, 2024

Photo 105: Alder Tank Liquids Treatment System: March 7, 2024

Photo 106: County Sage Mitigation Area and Westside Drainage Channels: January 8, 2024

Photo 107: County Sage Mitigation Area and Westside Drainage Channels: January 8, 2024

Photo 108: County Sage Mitigation Area and Westside Drainage Channels: February 15, 2024

Photo 109: Basin D: February 15, 2024

Photo 110: Basin D: February 15, 2024

Photo 111: Basin D: February 15, 2024

Photo 112: Basin D: February 15, 2024

Photo 113: Flares 9, 10, 11 and Gas-to-Energy Facility: January 8, 2024

Photo 114: Flares 9, 10, 11 and Gas-to-Energy Facility: January 8, 2024

Photo 115: Flares 9, 10, 11 and Gas-to-Energy Facility: January 8, 2024

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Photo 127: Flares 9, 10, 11 and Gas-to-Energy Facility: February 15, 2024

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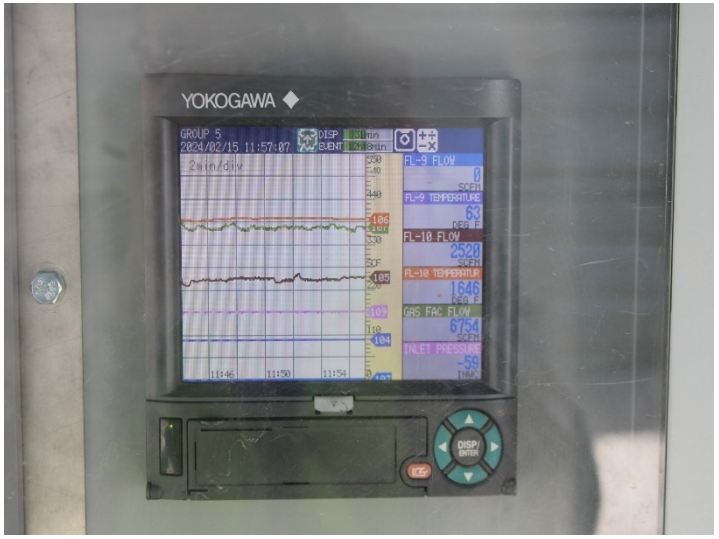

Photo 137: Flares 9, 10, 11 and Gas-to-Energy Facility: February 15, 2024

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Photo 143: Flares 9, 10, 11 and Gas-to-Energy Facility: February 15, 2024

Photo 144: Flares 9, 10, 11 and Gas-to-Energy Facility: March 7, 2024

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Photo 160: Flares 9, 10, 11 and Gas-to-Energy Facility: March 7, 2024

Photo 161: Flares 9, 10, 11 and Gas-to-Energy Facility: March 7, 2024

Photo 162: County Top Deck: January 8, 2024

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Photo 171: County Top Deck: February 15, 2024

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Photo 174: County Top Deck: March 7, 2024

Photo 175: County Top Deck: March 7, 2024

Photo 176: County Top Deck: March 7, 2024

Photo 177: Basin B: January 8, 2024

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Photo 195: Basin B: March 7, 2024

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Photo 206: Basin B: March 7, 2024

Photo 207: Eastside Drainage Channel: January 8, 2024

Photo 208: Eastside Drainage Channel: January 8, 2024

Photo 209: Eastside Drainage Channel: January 8, 2024

Photo 210: Eastside Drainage Channel: January 8, 2024

Photo 211: Eastside Drainage Channel: February 15, 2024

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Photo 218: Eastside Drainage Channel: February 15, 2024

Photo 219: Eastside Drainage Channel: March 7, 2024

Photo 220: Eastside Drainage Channel: March 7, 2024

Photo 221: Terminal Basin: January 8, 2024

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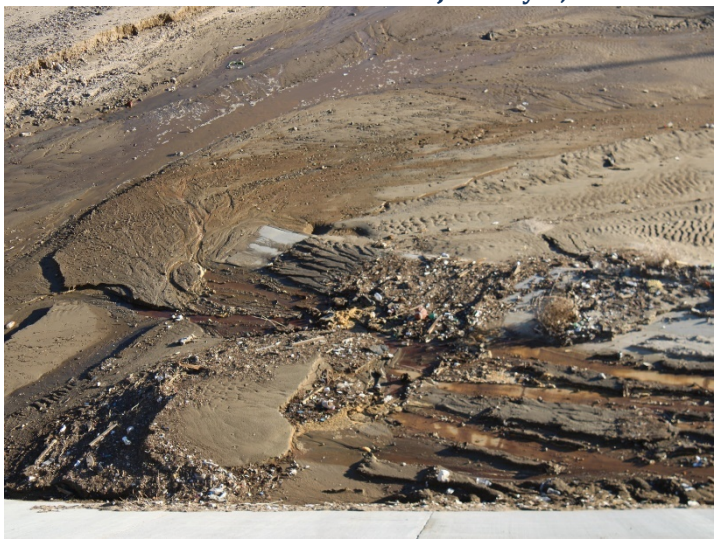

Photo 227: Terminal Basin: January 8, 2024

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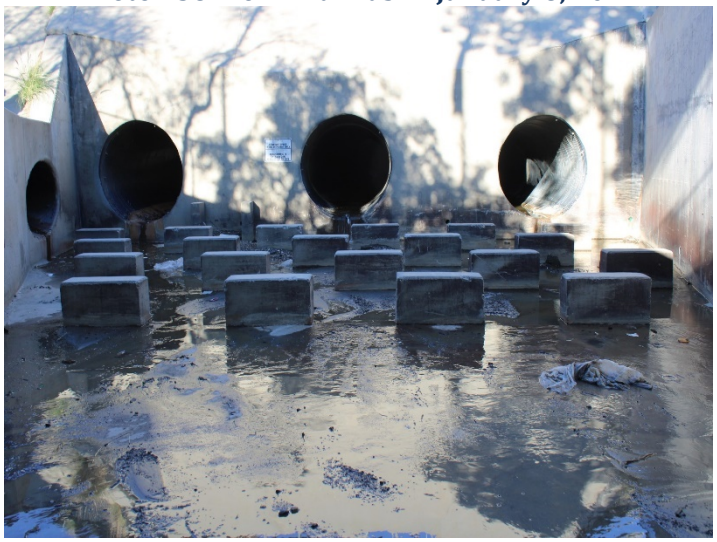

Photo 240: Terminal Basin: January 8, 2024

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Photo 242: Terminal Basin: February 15, 2024

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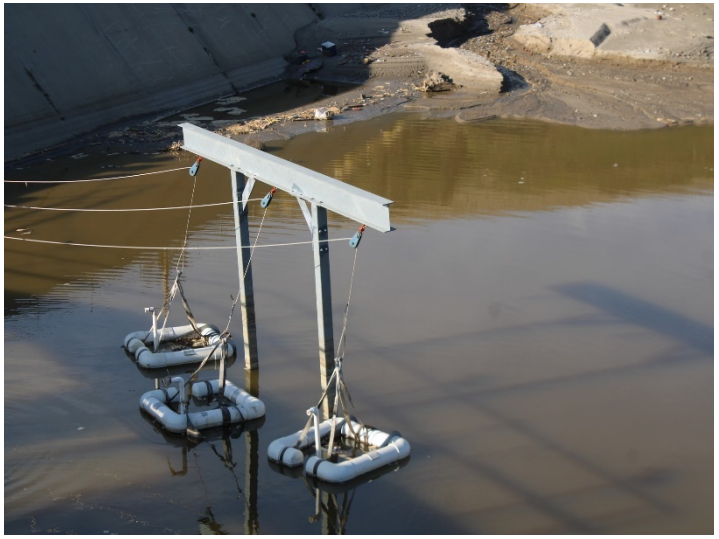

Photo 265: Terminal Basin: February 15, 2024

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Photo 274: Terminal Basin: March 7, 2024

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Photo 323: Terminal Basin: March 7, 2024

Photo 324: Terminal Basin: March 7, 2024

Photo 325: Terminal Basin: March 7, 2024

Photo 326: Sage Mitigation, Deck B: January 8, 2024

Photo 327: Sage Mitigation, Deck B: January 8, 2024

Photo 328: Sage Mitigation, Deck B: January 8, 2024

Photo 329: Southern Ownership Buffer: January 8, 2024

Photo 330: Southern Ownership Buffer: January 8, 2024

Photo 331: Southern Ownership Buffer: January 8, 2024

Photo 332: Southern Ownership Buffer: January 8, 2024

Photo 333: Southern Ownership Buffer: January 8, 2024

Photo 334: Southern Ownership Buffer: January 8, 2024

Photo 335: General Site: January 8, 2024

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Photo 344: General Site: January 8, 2024

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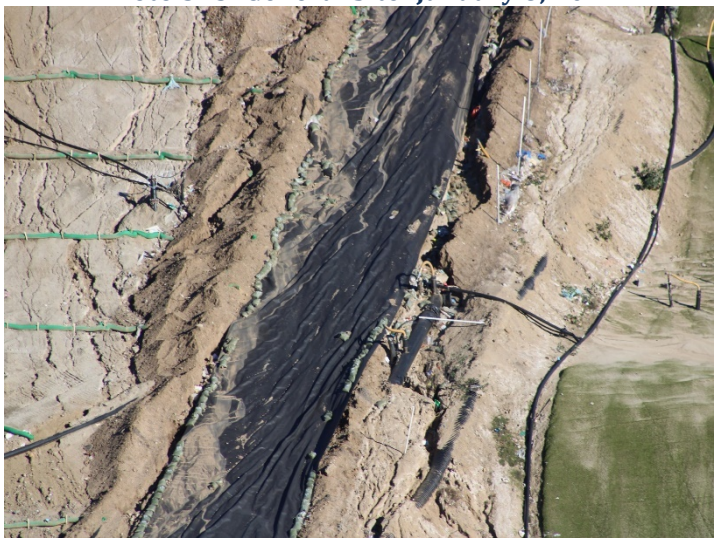

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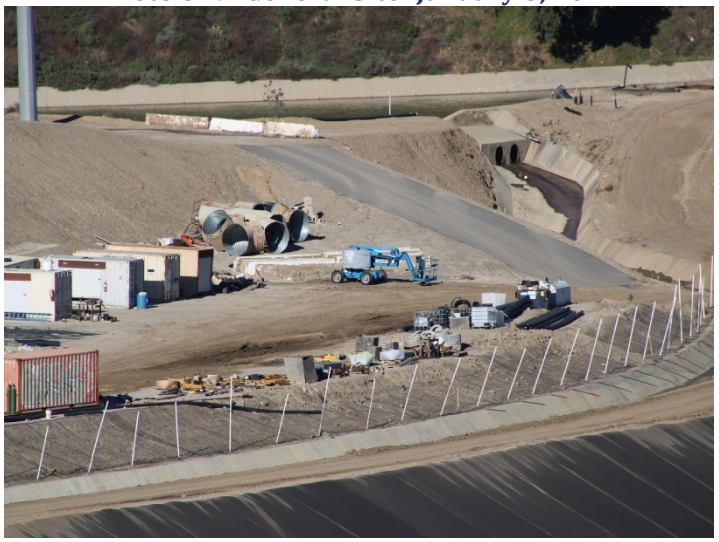

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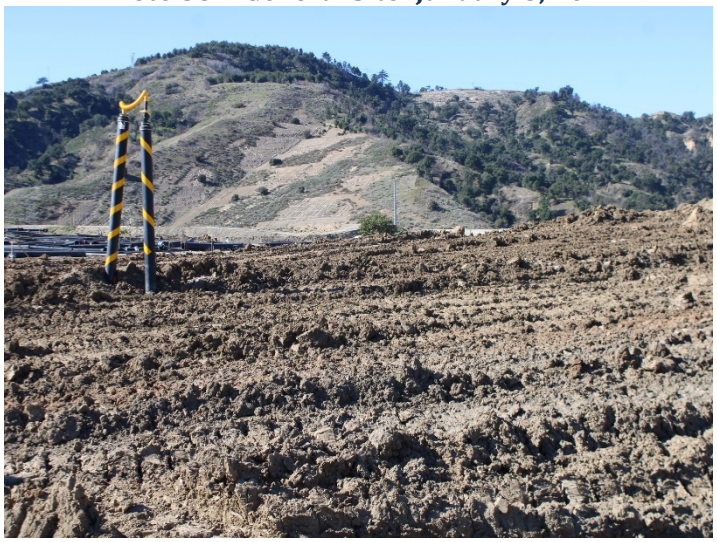

Photo 384: General Site: January 8, 2024

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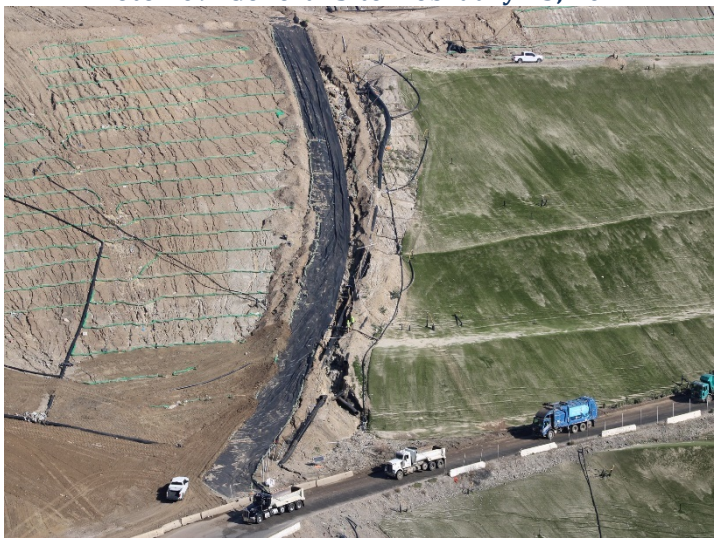

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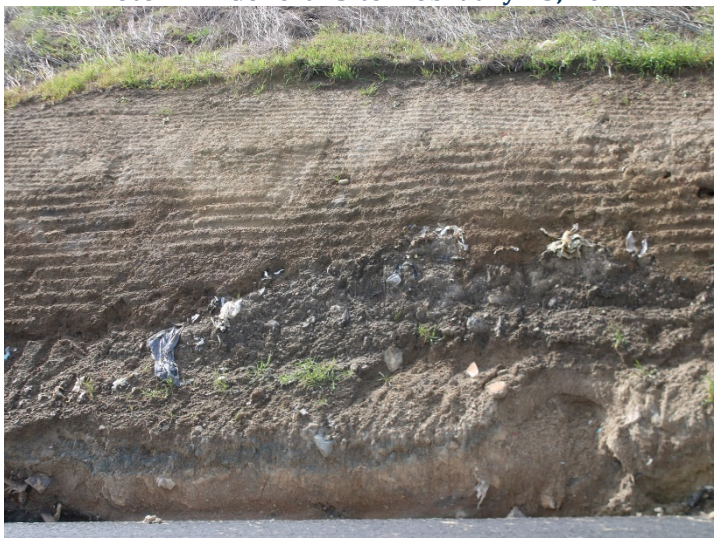

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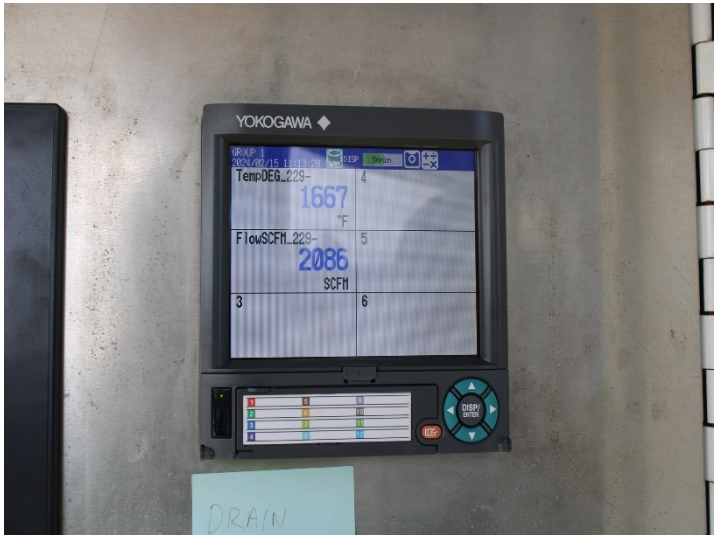

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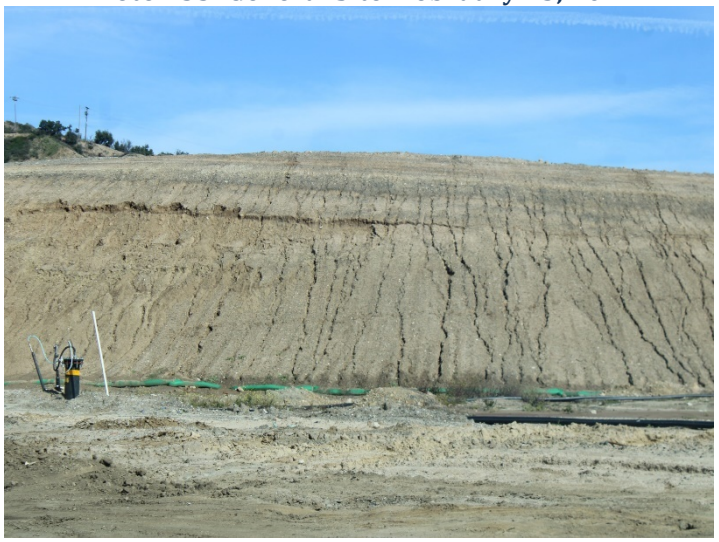

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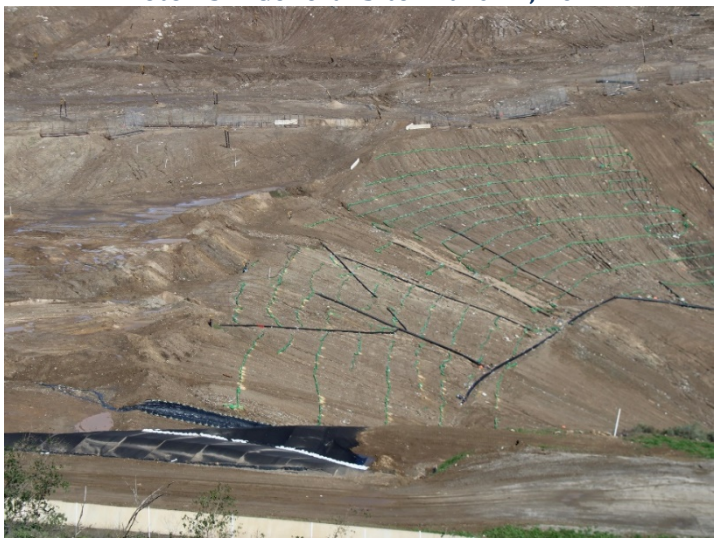

Photo 459: General Site: March 7, 2024

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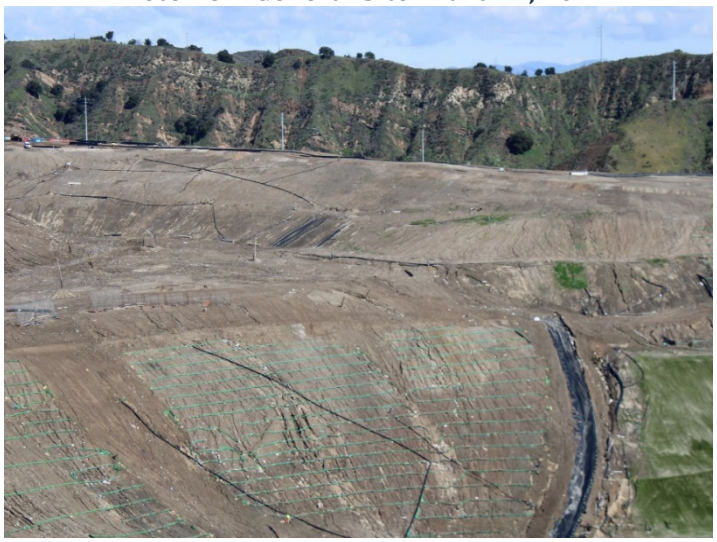

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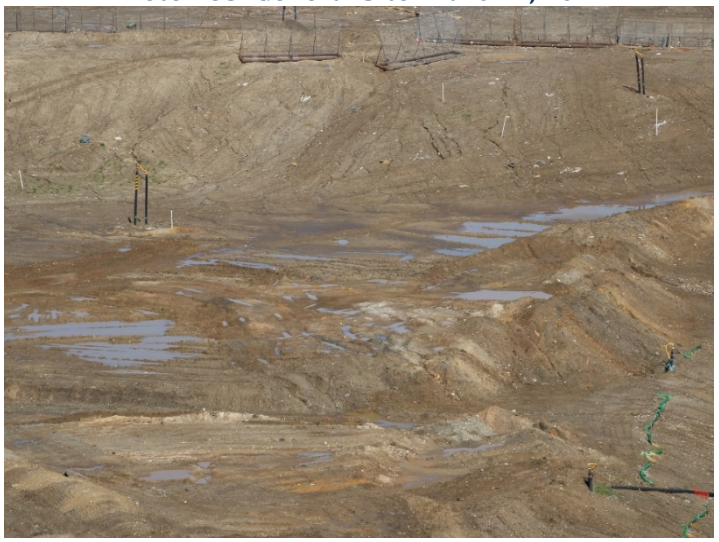

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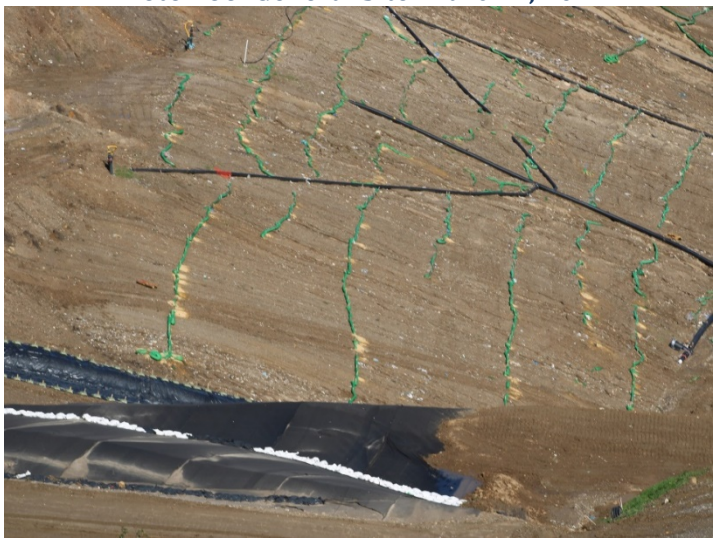

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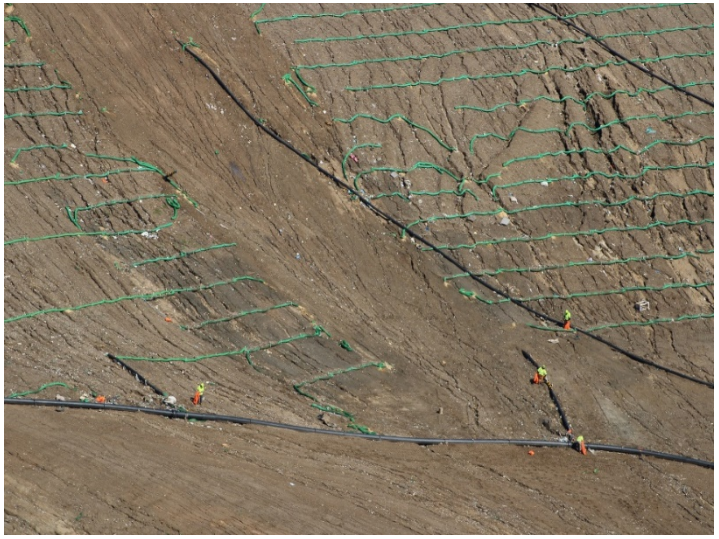
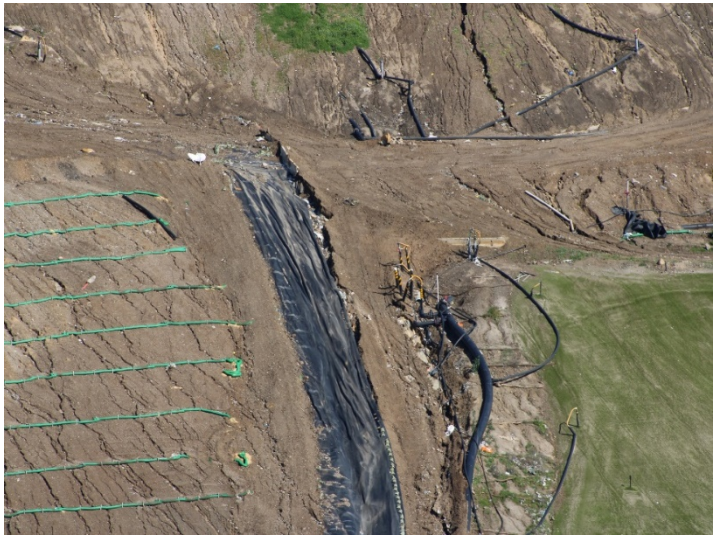


Photo 469: General Site: March 7, 2024



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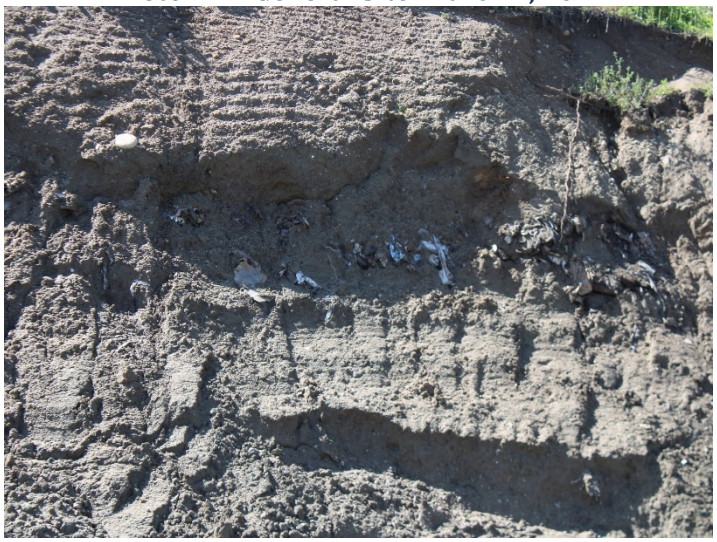

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Photo 492: Road Realignment: January 8, 2024

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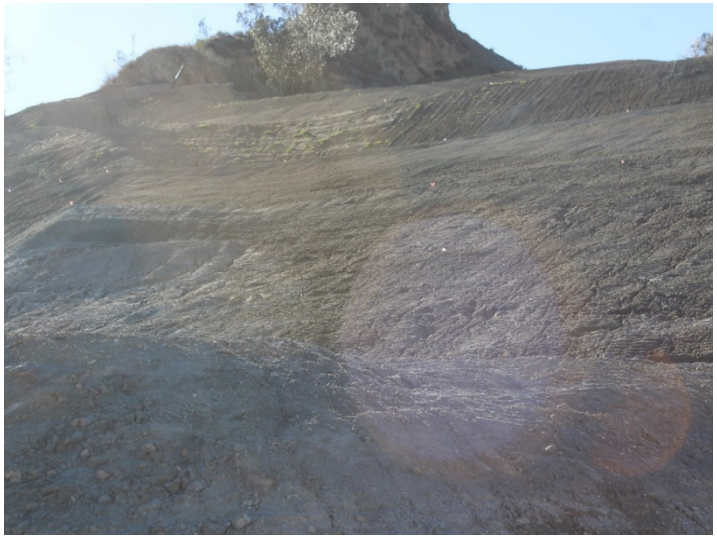

Photo 530: Road Realignment: January 8, 2024

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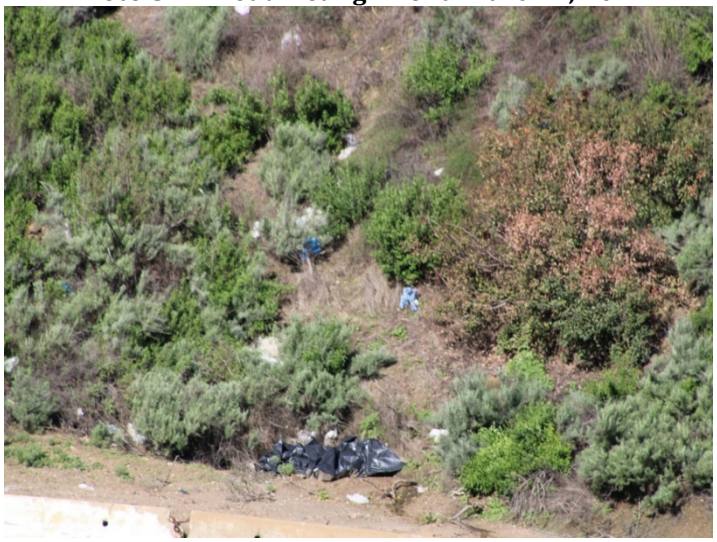

Photo 576: Road Realignment: March 7, 2024

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Appendix III

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

January 2024

SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT

Monitor: James Aidukas	Page: 1 of 2
Discipline: Project Manager	Date: 1/8/2024
Site Conditions: 35-55° F, 0-10 MPH winds	

SITE LOG

Drove the Granada Hills area near Woodley Avenue, the adjacent neighborhood, and school areas from 6:30 to 7:40 a.m. There were no landfill odors detected at the school or the adjacent areas. There was illegal dumping of trash, debris, and tires on the Sierra Highway Road's shoulders near the I-14 overpass. The deep ruts in the left turning and the adjacent northbound lanes on San Fernando Road at the landfill entrance have not been repaired. This road condition could be a hazard for passenger cars, small pickup trucks, and motorcycles. The retaining wall south of the entrance had soil and rocks that slid onto the top of the V-ditch drainage channel. Soil was accumulating on the walkway in front of the wall. Met with Mike Lindsay (UltraSystems) and Steven Jareb, Edgar De La Torre, and Diana Gonzalez (LACDRP), Alex Castro (LACDPW) and Dave Thompson (LEA). We then proceeded to monitor the site in separate vehicles and observed the following:

- The Administration area facilities were in good condition. The parking area could use the placement of road base in areas where mud and potholes exist.
- The Alder Tank leachate and condensate treatment system was operating, and no odors were detected. The hydrogen peroxide storage vessels had an emergency shutdown switch at the hydrogen peroxide storage vessels. There was no remote switch.
- The terminal basin had standing water with a significant amount of sediment on both sides of the gabion wall. The County discharge channel under San Fernando Road had rock and sediment in it. There was also an unknown source of water entering into the channel from the side walls.
- There is a water removal well and pump up-canyon of the terminal basin near the toe berm. The pump is discharging water in a 3" pipe. The source of the water and where it is being discharged to is not known.
- The new future access road was being regraded to widen it from the landfill entrance to the area west of the new basin E. The rough grading for the new oil field access road has not started.
- Sediment and standing water were observed on the floor of the new Basin E. Erosion was observed in some of the graded slopes in the new basin area.
- The recent rains caused a significant amount of erosion in the future scales and toe berm graded areas. An idle scraper was buried in soil near the toe berm. Equipment was being used to uncover the scraper and move it.
- The new access road on the old city south landfill had two areas where there was significant slope erosion. The road was not yet paved but only had minor erosion.
- Cells CC-4 Parts 3 and 4 were accepting waste.

- Most of the erosion into recently covered waste areas was repaired. There was a major area of erosion near the HDPE downcomer next to the Closure Turf that was not yet repaired.
- Basin B had no standing water. The basin's floor was covered with wet sediment. Vegetation growing in concrete cracks has not been removed.
- The eastside drainage channel downstream of Basin B where the soil was washed away from the back of the concrete channel's slope wall has not yet been repaired. Portions of the concrete wall are showing cracks and movement.
- Basin A was full of water to approximately 18" from the top of the risers. No safety/litter screens were installed on the riser tops.
- The westside drainage channel out of Basin A has not been cleared of all of the windblown litter.
- City sage mitigation Decks B and C were observed. These areas are being maintained and are in good condition. 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 Closure Turf appeared to be in good condition, with no liquids or gas concerns.

Flare Operating Conditions:

- Flare 1 – 1659 ° F, 2302 SCFM, 33% CH_4, 1.5% O_2, 95 PPM H_2S
- Flare 3 – was not operating
- Flare 9 – 1648 ° F, 2774 SCFM
- Flare 10 – 1640 ° F, 2801 SCFM
- Flare 11 – was not operating

The gas-to-energy plant was using 8254 SCFM of recovered gas. The gas composition was 44% CH_4, 1.1% O_2, and 57 PPM H_2S. The total volume of recovered gas was 16,131 SCFM.

SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT

Monitor: Mike Lindsay	Page 1 of 2
Discipline: Environmental Engineer	Date: 01-08-2024 Monday
Site Conditions: Partly Cloudy, 36–55 °F, S 6–13 mph, 61% RH, 31 AQI Good	

SITE LOG

1. No odors are present in the adjacent neighborhood and school at 7:05 a.m.
2. No odors are present in the Rancho Cascades neighborhood at 7:15 a.m.
3. Trash bags have been illegally dumped along Sierra Highway by the I-14 overpass.
4. The admin and LEA facility are in good order.
5. Met with Jim Aidukas (UltraSystems), Steve Jareb, Edgar De La Torre and Diana Gonzalez (LACDRP), Alex Castro (LACDPW) and David Thompson (LEA), following in separate vehicles to site locations.
6. The leachate tank farm is in good order, with no odors or leaks present.
7. The terminal basin has a significant amount of sediment and standing water north of the gabion wall.
8. The outlet drain pipe for the new sediment basin E, which terminates near the gabion wall, is two-thirds covered with mud.
9. The terminal basin outlet channel is in good order.
10. The terminal basin outlet channel still has continuous water flowing out of a wall pipe in tunnel underneath San Fernando Road.
11. Street sweepers are cleaning the haul roads.
12. Basin E is in good order, with water covering most of floor.
13. Observed grading at the new scales and entrance road area just southwest of the existing powerline tower. The temporary road has not been paved as planned due to recent rain.
14. Workers are digging out a yellow scraper that is stuck in the mud.
15. Observed the overall landfill operations from the observation deck.
16. Working area at Cell CC-4 is active with tippers, moving floor trucks and packer trucks.
17. The exposed trash along the Cell CC-4 Part 4 bench has been re-covered.
18. The closure turf is in good order, with no odors present.
19. Flare 1 is operating at 2302 scfm, 1659 °F. Gas sample measured at 33 % Vol. CH4, 1.5 % Vol. O2, 3 ppm CO, and 95 ppm H2S. Gas inlet temperature is 91 °F
20. Some trash and debris are present along PM-10 berm fencing.
21. The PM-10 berm is in good order, with misters in operation. Some oak trees are dead.
22. City decks B and C sage mitigation areas are in good order.
23. Trash and debris are present within the westside drainage channel south of Cell CC-4.
24. Flare 3 is offline.
25. The County top deck is in good order, with stockpiled soil being used for cover material.
26. Sediment basin A is covered with standing water.
27. Flare 9 is operating at 2774 scfm, 1643 °F. Gas sample measured at 44 % Vol. CH4, 1.1 % Vol. O2, 3 ppm CO, and 57 ppm H2S. Blowers 1, 3, 4, 5 and 6 are operating. Gas inlet temperature is 104 °F.
28. Blower number 2 is still uninstalled.
29. Flare 10 is operating at 2801 scfm, 1640 °F. Gas inlet temperature is 95 °F.
30. Flare 11 is offline.
31. Sunshine Gas Producers facility is operating at 8254 scfm, with no odors present.
32. Perimeter drainage channel at flare pad is in good order, with sediment filling most of channel.
33. A drainage channel below (southwest) of the flare pad is still blocked with soil and a large tree.

34. Sediment basin B is covered with muddy soil, with no water present.
35. Trash and debris are present at back of sediment basin B.
36. The eastside drainage channel southeast of Basin B has not been repaired. The concrete V-ditch wall has been undermined by erosion. The culvert has been cleared of vegetation and debris.
37. No odors are present at the bowl area by sediment basin B.

FURTHER REVIEW NEEDED

1. Remove trash bags from Sierra Highway.
2. Investigate source of water flowing out of wall pipe at terminal basin outlet tunnel.
3. Remove trash and debris along PM-10 berm fencing.
4. Clear debris at westside drainage channel.
5. Remove trash and debris from back of basin B.
6. Repair eastside drainage channel wall by sediment basin B.
7. Clear eastside drainage channel below flare pad 9.

Signed: Michael W. Lindsay

February 2024

UltraSystems
environmental • management • planning

SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT

Monitor: James Aidukas	Page: 1 of 2
Discipline: Project Manager	Date: 2/15/24
Site Conditions: 45-65° F, 0-5 MPH winds	

SITE LOG

Drove the Granada Hills area near Woodley Avenue, the adjacent neighborhood, and school areas from 6:30 to 7:30 a.m. There were no landfill odors detected at the school or the adjacent areas. There was illegal dumping of trash, debris, and tires on the Sierra Highway Road's shoulders near the I-14 overpass. The deep ruts in the left turning and the adjacent northbound lanes on San Fernando Road at the landfill entrance have not been repaired. This road condition could be a hazard for passenger cars, small pickup trucks, and motorcycles. The retaining wall south of the entrance had soil and rocks that slid onto the top of the V-ditch drainage channel. Soil was accumulating on the walkway in front of the wall. Met with Mike Lindsay (UltraSystems) Tarik Hadj-Hamou (SRK), Edgar De La Torre, and Diana Gonzalez (LACDRP), Alex Castro (LACDPW) and Dave Thompson (LEA). We then proceeded to monitor the site and observed the following:

- The Administration area facilities were in good condition. The parking area could use the placement of road base in areas where mud and potholes exist.
- The Alder Tank leachate and condensate treatment system was operating, and no odors were detected. The hydrogen peroxide storage vessels had an emergency shutdown switch at the hydrogen peroxide storage vessels. This switch was immediately adjacent to the vessel and pump. There was no remote switch. Installation of a remote switch should be considered
- The terminal basin had standing water on both sides of the gabion wall. There was a significant amount of sediment on both sides of the gabion wall and fully covering the wall. The County discharge channel under San Fernando Road had a minor amount of sediment in it. There was also an unknown source of water entering into the channel from the side walls. The outlet risers and water around them were covered with debris.
- There is a water removal well and pump up-canyon of the terminal basin near the toe berm. The pump is discharging water in a 3" pipe. The source of the water and where it is being discharged to is not known.
- Portions of the Old City South Landfill slopes were graded to allow the construction of a new access road, further scales location and toe berm. During the recent heavy rain events, these slopes had mayor erosion. A K-rail wall was placed at the entrance inlet truck to stop soil from leaving the site. This stopped the erosion generated soil. Approximately 90% of the soil has been cleared.
- The graded slope for the new access road cut into a very old waste area. There were no odors detected, but old waste was observed.
- The new future access road was being regraded to widen it from the landfill entrance to the area west of the new basin E. The rough grading for the new oil field access road has not started.

- Sediment and standing water were observed on the floor of the new Basin E. Erosion was observed in some of the graded slopes in the new basin area. The water discharge into the terminal basin was plugged with sediment. The placement of the road extension to the new scale location has not been constructed.
- The recent rains caused a significant amount of erosion in the future scales and toe berm graded areas. An idle scraper was buried in soil near the toe berm. Equipment was being used to uncover the scraper and move it.
- The new access road on the old city south landfill had two areas where there was significant slope erosion. The road was not yet paved but only had minor erosion.
- Cells CC-4 Parts 3 and 4 were accepting waste. There were areas of exposed waste from the rain events. Most of the erosion into recently covered waste areas was repaired. There was a major area of erosion near the HDPE downcomer next to the Closure Turf that was not yet repaired.
- Basin B had no standing water. The basin's floor was covered with wet sediment. Vegetation growing in concrete cracks has not been removed.
- The eastside drainage channel downstream of Basin B where the soil was washed away from the back of the concrete channel's slope wall has not yet been repaired. Portions of the concrete wall are showing cracks and movement.
- Basin A was full of water to approximately 18" from the top of the risers. No safety/litter screens were installed on the riser tops.
- The westside drainage channel out of Basin A has not been cleared of all the windblown litter.
- City sage mitigation Decks B and C were observed. These areas are being maintained and are in good condition. 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 Closure Turf appeared to be in good condition, with no liquids or gas concerns.

Flare Operating Conditions:

- Flare 1 – 1648 °F, 2382 SCFM, 36% CH_4, 1.2% O_2, 22 PPM H_2S
- Flare 3 – 1652 °F, 2819 SCFM, 44% CH_4, 0.5% O_2, 57 PPM H_2S
- Flare 9 – Not Operating
- Flare 10 – 1663 °F, 2435 SCFM
- Flare 11 – 1646 °F, 2310 SCFM

The gas-to-energy plant was using 6735 SCFM of recovered gas. The gas composition was 43% CH_4, 0% O_2, and 49 PPM H_2S. The total volume of recovered gas was 16,681 SCFM.

FURTHER REVIEW NEEDED
COMMENTS
Signed:

SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT

Monitor: Mike Lindsay	Page 1 of 2
Discipline: Environmental Engineer	Date: 02-15-2024 Thursday
Site Conditions: Clear, 43–62 °F, SSW 2–6 mph, 81% RH, 58 AQI Moderate	

SITE LOG

1. No odors are present in the adjacent neighborhood and school at 7:15 a.m.
2. No odors are present in the Rancho Cascades neighborhood at 7:30 a.m.
3. Trash and a mattress have been illegally dumped along Sierra Highway by the I-14 overpass.
4. The admin and LEA facility are in good order.
5. Street sweepers are cleaning the haul roads.
6. Met with Jim Aidukas (UltraSystems), Tarik Hadj-Hamou (SRK), Edgar De La Torre and Diana Gonzalez (LACDRP), Alex Castro (LACDPW) and David Thompson (LEA), following in separate vehicles to site locations.
7. The leachate tank farm is in good order, with no odors or leaks present.
8. The terminal basin is in good order, with water covering the northeast end, and about 12 feet of sediment covering the south end.
9. The outlet drain pipe for the new sediment basin E, which terminates near the gabion wall, is not visible (covered with sediment).
10. The gabion wall is covered with sediment (the wall is about nine feet high).
11. The terminal basin outlet channel is in good order.
12. The terminal basin outlet channel still has continuous water flowing out of a wall pipe in tunnel underneath San Fernando Road.
13. Basin E is in good order, with sediment and water covering the floor.
14. Observed grading at the new scales and entrance road area just southwest of the existing powerline tower. The temporary road has been mostly paved. Large pipes have been staged on the roadway.
15. Exposed trash is present near future scales location roadway along old City South slopes where road excavation occurred. Jim Aidukas stated that it may be trash from the 1960s.
16. The top weather deck is in good order, with soil being stockpiled
17. Observed the overall landfill operations from the observation deck.
18. Working area at Cell CC-4 is active with tippers, moving floor trucks and packer trucks.
19. ADC is 70% covered with new trash at 9:30 am.
20. Exposed trash is present that runs along the Cell CC-4 Part 4 slip and slide drainage. Workers are repairing the rupture.
21. The closure turf is in good order, with no odors present.
22. Sediment basin B is covered with muddy soil, with some water present. Small soil slides have occurred at the basin side walls.
23. Vegetation is growing out of concrete cracks along the basin B perimeter.
24. The eastside drainage channel southeast of Basin B has not been repaired. The concrete V-ditch wall has been undermined by erosion. The culvert has been cleared of vegetation and debris.
25. No odors are present at the bowl area by sediment basin B.
26. The basin D storage yard is in good order.
27. Sediment basin D is in good order, with sediment accumulated from recent rain.
28. The County sage mitigation area is in good order, with new vegetation growth.
29. Some erosion rills are present along perimeter of haul road.

30. Sediment basin A is full of water to the top of the riser drains.
31. The westside drainage channel is in good order.
32. Flare 3 is operating at 2086 scfm, 1667 °F. Gas sample measured at 44 % Vol. CH4, 0.5 % Vol. O2, 9 ppm CO, and 57 ppm H2S. Gas inlet temperature is 114 °F
33. Flare 1 is operating at 2321 scfm, 1648 °F. Gas sample measured at 36 % Vol. CH4, 1.2 % Vol. O2, 1 ppm CO, and 22 ppm H2S. Gas inlet temperature is 110 °F
34. The PM-10 berm is in good order, with misters in operation. About 20% of the oak trees appear dead.
35. City decks B and C sage mitigation areas are in good order.
36. The County top deck is in good order, with stockpiled soil being used for cover material.
37. Flare 9 is offline.
38. Flare 10 is operating at 2520 scfm, 1646 °F. Gas sample measured at 43 % Vol. CH4, 0.0 % Vol. O2, 7 ppm CO, and 49 ppm H2S. Blowers 1, 3, 4, 5 and 6 are operating. Gas inlet temperature is 104 °F.
39. Blower number 2 is still uninstalled.
40. Flare 11 is operating at 2401 scfm, 1651 °F. Gas inlet temperature is 118 °F.
41. Sunshine Gas Producers facility is operating at 6754 scfm, with no odors present.
42. Perimeter drainage channel at flare pad is in good order, with sediment mostly clear.
43. A drainage channel below (southwest) of the flare pad is still blocked with soil and a large tree.

FURTHER REVIEW NEEDED

1. Remove trash and mattress from Sierra Highway.
2. Cover exposed trash along old City South slopes.
3. Repair eastside drainage channel wall by sediment basin B.
4. Repair erosion rills along haul road perimeter.
5. Clear eastside drainage channel below flare pad 9.

Signed: Michael W. Lindsay

March 2024

Sunshine Canyon Landfill
2024 First Quarter
March 13, 2024 Conference Call

Site Visit Dates: January 8, February 15 and March 7, 2024

Conference Call Participants

Wednesday March 13, 2024 Conference Call
Edgar De LA Torre and Dianna Gonzolas, LACDRP
Tim Fargo and Claudia Rodriguez, LA City
Dave Thompson, LEA
Chuck Powell, LA City Department of Building and Safety
Michael Stewart and Paul Koster, Republic Services
James Aidukas and Mike Lindsay, UltraSystems

Terminal Basin

In January, the Terminal Basin had a significant amount of sediment with standing water. In February, sediment covered the gabion wall; standing water around outlet risers had a significant amount of floating litter at risers. The Basin E outlet was plugged with sediment. In March, the sediment and water were higher. There was water entering through cracks in the new west wall.

1. Have your drainage engineers evaluated the current conditions?
    - Paul Koster stated that their geologists come out to the site and they produced a memo documenting their findings. They were not currently concerned with the failure, and they will continue to monitor the situation until major repairs can be made. They have to wait until the water drains out, and do not anticipate any more water getting into the area.
2. Where is the water coming from?
    - Paul Koster stated that there was a tear in two pipes during the February storms and water got underneath the headwall. The pipes becoming unattached resulted in the hillside becoming saturated with storm water.
3. What is the stub pipe protected by two K-rails near the terminal basin?
    - Paul Koster stated that it is Deep Well Number 6 and was submitted to be drilled last year. It has been there for six months and it is part of the Deep Well monitoring.

Basin E

The water discharge into the Terminal Basin was plugged with sediment and not draining.

1. Basin E had sediment and standing water; how was the water being handled?
    - Paul Koster stated that the drain pipe is currently blocked by sediment. Part of the gabion wall is going to be removed and cleaned out to allow the sediment to flow out of the area and free the pipe to drain properly.
2. Is there a road safety system proposed to keep the trucks from falling into the basin?
    - Paul Koster stated that there will be a road safety system to keep trucks from falling into the basin including K-rails, bollards and three lanes; two going into the scales and one going out.

New Scales and Access Road

There was a significant amount of erosion on the native slopes above the location for the new scales.

1. Will a rainwater drainage system be installed to control runoff and stop erosion?
    - Paul Koster stated that the area is going to be benched with concrete drain channels, and will be finished once the scales and 96-inch pipe is placed underneath the pad.
2. There was a vertical cut slope in the City South landfill, west of the new scales' location. This cut was for the new paved access road to Cell CC-4 Parts 3, 4 and 5. It was cut into an old waste disposal area.
    a. How will these cut areas be repaired?
        - Paul Koster stated that this area has now been covered, and will continue to be covered. Jute netting will also be added to stabilize the hill and regain vegetation in the area.
    b. Will new fill-limit PVC pipes be surveyed and installed to show where the waste fill limit is?
        - Paul Koster stated that the area is currently under construction, and he does not want to assume any future plans. He will consult with his team to have a better answer in the future.

Landfill Active and Inactive Areas

There were slip and slide HDPE liner areas where the large rain events washed out the soil adjacent to the slide drainage downcomer; one on the Old City South slope and another next to the Closure Turf.

1. Have both of them been repaired?
    - Paul Koster stated that both liner areas have been repaired.
2. Have engineers evaluated the drainage systems and proposed any modifications to stop the undercutting of existing drainage control systems?
    - Paul Koster stated that they have coconut mesh and jute netting which will be placed on the hills once they dry out in order to maintain hill integrity.

General Questions

1. Is there a summary list of all construction plans that have been approved by the City? Are City-approved plans available for UEI to review?
    - Paul Koster stated that everything that has been submitted and approved has been provided to UEI.
2. Is there a drainage improvement plan for the whole site?
    - Paul Koster stated that their team is constantly reexamining and reevaluating how and where they are going to have things drain, so the drainage plan is constantly changing.
3. Is there a plan and a timeline to fix the eastside drainage channel south of Basin B?
    - Paul Koster stated that fracture has been filled-in with sediment.
4. Will Basin A have the litter/ safety riser top cover replaced?
    - Paul Koster stated that the covers may have been washed off and they will look for them once it drains out.
5. Is there a plan and schedule to clear the rock and sediment off of the top and walkway in front of the San Fernando Road retaining wall?
    - Paul Koster stated that the City approved the permit in February, and once it gets closer to the drier season, they will get a Caltrans permit issued. Once that happens, they can clean out the area this year.

Site Operations

1. Were there any notices of violation (NOVs) issued in the first quarter of 2024?
    - Paul Koster stated that there were 25 odor NOVs issued in the first quarter of 2024.
2. Were there any operational complaints in the first quarter of 2024?
    - Paul Koster stated that there were no operational complaints in the first quarter of 2024.

Please view the photos for January 8, February 15 and March 7, 2024 in the Sunshine Canyon Dropbox directory:

SCL - Site Photos

The conference call concluded.

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Sunshine Canyon Landfill
2024 First Quarter
Monitoring Summaries and Discussion Items
March 13, 2024 Zoom Meeting

Site Visit Dates: January 8, February 15 and March 7, 2024

Terminal Basin

In January, the Terminal Basin had a significant amount of sediment with standing water. In February, sediment covered the gabion wall; standing water around outlet risers had a significant amount of floating litter at risers. The Basin E outlet was plugged with sediment. In March, the sediment and water were higher. There was water entering through cracks in the new west wall.

1. Have your drainage engineers evaluated the current conditions?
2. Where is the water coming from?
3. Is there a final approved design for the basin and toe berm?
4. During this period, there was a significant amount of rain eroding the slopes and sloughing soil onto the main access road near the basin. Did the K-rails placed on the road keep the soil onsite?

Basin E

The water discharge into the Terminal Basin was plugged with sediment and not draining.

1. Basin E had sediment and standing water; how was the water being handled?
2. How wide will the road around the basin be?
3. Is there a road safety system proposed to keep the trucks from falling into the basin?

New Scales and Access Road

There was a significant amount of erosion on the native slopes above the location for the new scales.

1. Will a rainwater drainage system be installed to control runoff and stop erosion?
2. There was a vertical cut slope in the City South landfill, west of the new scales' location. This cut was for the new paved access road to Cell CC-4 Parts 3, 4 and 5. It was cut into an old waste disposal area.
    a. How will these cut areas be repaired?
    b. Will new fill-limit PVC pipes be surveyed and installed to show where the waste fill limit is?
    c. When will the missing PVC pipes in other locations be replaced?

Landfill Active and Inactive Areas

There were slip and slide HDPE liner areas where the large rain events washed out the soil adjacent to the slide drainage downcomer; one on the Old City South slope and another next to the Closure Turf.

1. Have both of them been repaired?
2. Have engineers evaluated the drainage systems and proposed any modifications to stop the undercutting of existing drainage control systems?

General Questions

1. Is there a summary list of all construction plans that have been approved by the City?
2. Are City-approved plans available for UEI to review?
3. Is there a drainage improvement plan for the whole site?
4. Have fill sequence plans been developed?
5. Is there a plan and a timeline to fix the eastside drainage channel south of Basin B?
6. Will Basin A have the litter/ safety riser top cover replaced?
7. Is there a plan and schedule to clear the rock and sediment off of the top and walkway in front of the San Fernando Road retaining wall?

Site Operations

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

Please view the photos for January 8, February 15 and March 7, 2024 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: 3/7/24
Site Conditions: 45-60° F, 0-10 MPH winds	

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 slight landfill odors detected on Constable Avenue. There were no odors detected at the school or the adjacent areas. There was illegal dumping of trash, debris, and tires on the Sierra Highway Road's shoulders near the I-14 overpass. The deep ruts in the left turning and the adjacent northbound lanes on San Fernando Road at the landfill entrance have not been repaired. This road condition could be a hazard for passenger cars, small pickup trucks, and motorcycles. The retaining wall south of the entrance did not have the soil and rocks removed from the top of the V-ditch drainage channel or on the walkway in front of the wall. Met with Mike Lindsay (UltraSystems), Tarik Hadj-Hamou (SRK), Edgar De La Torre, and Diana Gonzalez (LACDRP), Mike Harmon and Cameron Jones (LACDPW) and Dave Thompson (LEA). We then proceeded to monitor the site and observed the following:

- The Administration area facilities were in good condition. The parking area could use the placement of road base in some areas.
- The Alder 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. This switch was immediately adjacent to the vessel and transfer pump. There was no remote safety switch. Installation of a remote switch should be considered.
- The terminal basin had standing water on both sides of the gabion wall. There was a significant amount of sediment on both sides of the gabion wall and fully covering the wall. There was soil erosion on the basin's western dirt slope and around the two inlet HDPE water inlet pipes. Iron oxide water was entering the basin from seeps at the bottom of the eastern concrete wall. The outlet risers and water around them was covered with debris.
- Portions of the Old City South Landfill slopes were graded to allow the construction of a new access road to the further scale's location and toe berm.
- The graded slope for the new temporary access road cut into a very old waste area. There were no odors detected, but old waste was observed. Some of the waste was covered with soil as a mitigation measure.
- The new future access road around Basin E was being regraded to widen it from the landfill entrance to the area northwest of the basin. The rough grading for the new oil field access road had not started.

- Sediment and standing water were observed on the floor of the new Basin E. Erosion was observed in some of the graded slopes in the new basin area. The water discharge into the terminal basin was plugged by sediment. The placement of the road extension to the new scale location was under construction.
- The new access road on the old city south landfill had two areas where there was significant slope erosion.
- Cells CC-4 Parts 3 and 4 were accepting waste. There were areas of exposed waste from the rain events. Most of the major erosion and exposed waste areas were already repaired. There was a major area of erosion near the HDPE downcomer next to the Closure Turf that was not yet repaired. There was ponding of water on the surface of CC 4 parts 3, 4 and 5. The rest of the Closure Turf appeared to be functioning as designed.
- Basin B had approximately 2 feet of sediment with standing water. Vegetation growing in concrete cracks has not been removed.
- The eastside drainage channel downstream of Basin B where the soil was washed away from the back of the concrete channel's slope wall has not yet been repaired. Portions of the concrete wall are showing cracks and movement.
- Basin A was full of water to approximately 18" from the top of the risers. No safety/litter screens were installed on the riser tops.
- The westside drainage channel out of Basin A has not been cleared of all the windblown litter.
- City sage mitigation Decks B and C were observed. These areas are being maintained and are in good condition. 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.

Flare Operating Conditions:

- Flare 1 – Not Monitored
- Flare 3 – Not Monitored.
- Flare 9 – 1672 ° F, 2727 SCFM
- Flare 10 – 1641 ° F, 2737 SCFM
- Flare 11 – Not Operating

The gas-to-energy plant was using 7885 SCFM of recovered gas. The gas composition was 45% CH_4, 0% O_2, and 60 PPM H_2S.

FURTHER REVIEW NEEDED
COMMENTS
Signed:

SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT

Monitor: Mike Lindsay	Page 1 of 2
Discipline: Environmental Engineer	Date: 03-07-2024 Thursday
Site Conditions: Clear, 43–60 °F, S 4–9 mph, 83% RH, 36 AQI Good	

SITE LOG

1. Landfill odors are present in the adjacent neighborhood along Constable Avenue at 7:40 a.m.
2. The admin and LEA facility are in good order.
3. Street sweepers are cleaning the haul roads.
4. Met with Jim Aidukas (UltraSystems), Tarik Hadj-Hamou (SRK), Edgar De La Torre and Diana Gonzalez (LACDRP), Mike Harmon and Cameron Jones (LACDPW), and David Thompson (LEA), following in separate vehicles to site locations.
5. The terminal basin is in good order, with water filled to the top of the riser drains.
6. The outlet drain pipe for the new sediment basin E, which terminates near the gabion wall, is not visible (covered with sediment).
7. The gabion wall is covered with sediment (the wall is about nine feet high).
8. Cracks have formed on the new southwest concrete wall.
9. Water is flowing out of a concrete crack at the new concrete southwest-end wall.
10. The terminal basin outlet channel is in good order.
11. Observed a stub pipe coming out of the ground just outside of the east terminal basin wall, protected by two K-rails.
12. Observed erosion rills from recent rain on slopes below future toe berm area.
13. Basin E is in good order, with sediment and water covering the floor. Water is being drained through the skimmer system.
14. Met with LACDPW geologist who was onsite to inspect the terminal basin.
15. The closure turf is in good order, with no odors present.
16. Exposed trash is present near future scales location roadway along old City South slopes where road excavation occurred.
17. Observed the overall landfill operations from the observation deck.
18. Working area at Cell CC-4 is active with tippers, moving floor trucks and packer trucks.
19. ADC is 40% covered with new trash at 9:40 am.
20. Some exposed trash is still present that runs along the Cell CC-4 Part 4 slip and slide drainage. Workers are repairing the rupture.
21. Sediment basin B is covered with muddy soil, with some water present. Small soil slides are still present at the basin side walls.
22. Vegetation is growing out of concrete cracks along the basin B perimeter.
23. No odors are present at the bowl area by sediment basin B.
24. Sediment basin A is full of water to the top of the riser drains.
25. The westside drainage channel is in good order.
26. Flare 9 is operating at 2715 scfm, 1672 °F. Gas sample measured at 45 % Vol. CH4, 0.0 % Vol. O2, 21 ppm CO, and 60 ppm H2S. Blowers 1, 3, 4, 5 and 6 are operating. Gas inlet temperature is 112 °F.
27. Flare 10 is operating at 2702 scfm, 1641 °F. Gas inlet temperature is 105 °F.
28. Blower number 2 is still uninstalled.
29. Flare 11 is offline.
30. Sunshine Gas Producers facility is operating at 7726 scfm, with no odors present.

31. Perimeter drainage channel at flare pad is in good order, with sediment mostly clear.
32. A drainage channel below (southwest) of the flare pad is still blocked with soil and a large tree.
33. The County top deck is in good order, with stockpiled soil being used for cover material.
34. The leachate tank farm is in good order, with no leaks or odors present. The safety eyewash and shower are working well.
35. The eastside drainage channel is in good order.

FURTHER REVIEW NEEDED

1. Eliminate landfill odors along Constable Avenue.
2. Repair cracks and water leak at new terminal basin concrete southwest-end wall .
3. Cover exposed trash along old City South slopes.
4. Repair eastside drainage channel wall by sediment basin B.
5. Repair erosion rills along haul road perimeter.
6. Clear eastside drainage channel below flare pad 9.

Signed: Michael W. Lindsay

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SUNSHINE CANYON LANDFILL

MITIGATION MONITORING
SITE REPORT

Monitor: Tarik Hadj-Hamou, Ph.D., P.E.	PAGE 1 OF 4
Discipline: Civil – Geotechnical and Hydrology	Date: March 7, 2024
Site Conditions: Sunny and very windy	

SITE LOG

Pre-site inspection meeting

- Meet with UltraSystems team members Mike Lindsay and Jim Aidukas, to prepare tour of landfill, review of previous visits, review documents, discuss potential issues, organize areas and features to inspect.
- Main focus of the visit was the water flowing out of the wall in the terminal basin

Meet with L.A. County and L.E.A. representatives: Mark Harmon and Cameron Jones, LACDPW; Edgar De La Torre, LACDRP; Diana Gonzalez, LACDRP; and Dave Thompson, L.E.A.

Site inspection

- Tour of landfill
- Access Roads
- Waste placement
- Drainage systems (Basins, channels) accessible that day
- Erosion
- Landfill for geotechnical and hydrological issues
- Other observations

Access Roads

- Current access road:
  - Significant erosion and soil were observed on the slope of the main road embankment as shown on Figure 1
- New main access road:
  - Some erosion gullies were observed on the slopes and roadway (IMG_9790, IMG-9794-9796).

Waste Placement

- One active waste face (IMG_9805)
- Four tilters in operation (Figure 1)
- ADC was in place (IMG_9826)

Drainage System

- Terminal Basin
  - Sediments are filling up the basin to the point where the gabion wall is no longer visible, reducing the capacity of the basin already smaller than the original basin (IMG_9713-9714)
  - Water accumulated against the risers to the base of the trash bars and covering about 25% of the basin (IMG_9714)
  - The outlet from pipe from the new basin exiting in the southwest corner of the Terminal Basin is totally covered with sediments (IMG_9714)
  - Water was flowing from the north perimeter channel (IMG_9716-9717)
  - Water was flowing from the two HDPE pipe on the west wall of the basin (IMG_9718)

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- Erosion leading to an opening was observed behind the concrete apron supporting the two HDPE pile (IMG_9730)
- Water was observed gushing at the northwest corner of the basin at the connection between the north wall (from the original basin construction) and the west wall recently constructed as part of the redesign of the basin (IMG_9729, IMG_9743)
- Water was also observed flowing out of the joint between the base of the ramp leading into the basin and its side wall (IMG_9746). Photo IMG_9746 shows the water is under pressure as it "shoot up".
- Numerous fissures and crack were observed on the west wall (IMG_9743-9745) with water oozing through the fissures
- The bottom of the wall, beneath the fissures is deformed and bows out slightly toward the basin.
- The extent of the highest fissures on the wall, the flow out of the ramp, and the water flow out of the wall in the northwest corner of the wall are all at the same elevation (IMG_9743) indicating the thickness and extent of the embankment behind the wall that may be affected.

- Basin B
  - Some sediments and water present in basin, (IMG_9842)
  - Some slough soil from slopes above the basin (IMG_9844 9489) but no more than observed in the 15 February site visit.
- Basin D
  - Could not be accessed because of road conditions
- Basin A
  - Could not be accessed because of road conditions
- New basin along future access road
  - Partially full of water (IMG_9779)
  - Some soil came down from localized sloughing from the new access road (IMG_9786)
- Perimeter channels and ditches
  - Observations made on 15 February 2024 still apply with respect to vegetation and cracked and offset slabs

Erosion

- No additional significant erosion was observed during the site visit when compared to our observations on 15 February 2024

Landfill for geotechnical and hydrological issues

- None except as noted for the access road

Other observations

- The concrete support for an HDPE stormwater conveyance pipe on the north facing slope of City Landfill is broken (IMG_9839)

FURTHER REVIEW NEEDED

- Status of access road embankment where significant erosion and soil loss were observed (Figure 1)

COMMENTS

Signed:

Figure 1: Erosion gullies and soil loss on access road embankment

Figure 2: Tilters at the waste face