Sunshine Canyon Landfill
Independent Monitor
Quarterly Site Monitoring Status Report
July 1, 2021 – September 30, 2021

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
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Prepared On:

January 3, 2022

UltraSystems
environmental | management | planning

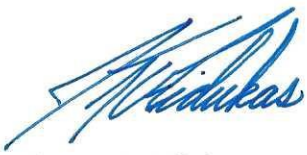
CERTIFICATION STATEMENT

January 3, 2022

The attached Quarterly Site Monitoring Status Report for the Sunshine Canyon Landfill dated January 3, 2022 is the Third Quarterly Report for 2021, issued by UltraSystems. This report covers the monitoring period from July 1, 2021 through September 30, 2021 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,



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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 July 1, 2021 to September 30, 2021. It includes:

1. The City and County Mitigation Monitoring Summary spreadsheets for July 1, 2021 to September 30, 2021. These spreadsheets record the areas of monitoring completed and the status of being compliant during the third quarter of 2021;
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;
4. Site visit attendees by date of site visit and the mitigation monitoring site report from each monitor;
5. Site visits during the 3rd Quarter followed the Centers for Disease Control and Prevention (CDC) guidelines for COVID-19 health protocols and complied with state and County restrictions. The landfill visits occurred on one day each month during the July through September 2021 period. All UltraSystems monitors were in separate

vehicles to observe and take photos of the landfill area and operations. There was limited contact with landfill staff. Any contact with staff observed social distancing and the wearing of protective face coverings. The project team specialists reviewed the site photos and site visit reports remotely in the UltraSystems offices, and developed a list of discussion items to review with landfill management. A monitoring conference call with landfill management provided answers and the status of the discussion items. This call was then summarized, which concluded the monitoring activity.

Site Visits During the Quarter

Three site visits were performed by UltraSystems during the July through September 2021 quarter in order to observe operational site activities and determine compliant status with conditions and/or mitigation measures. They were performed on July 21, 2021; August 31, 2021; and September 14, 2021. Remote site monitoring conference calls were held in lieu of normal site monitoring visit meetings in order to follow the CDC guidelines for COVID-19 health protocols.

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 3rd Quarter. The grading that occurred was for the removal of stockpiled soil in CC-2A to connect CC-4 Part 4A to CC-2A; removal of stockpiled soil from the County top deck; and rough grading for the realignment of the main access road. The road realignment was not within the Sunshine Canyon waste fill limits but is in the CUP approved areas for ancillary uses. The road realignment also included a new sedimentation basin and the removal of a portion of the existing terminal basin and the westside inlet channels to the basin. This was in preparation for the construction of a final toe berm. By the end of September, the general grading for the new basin and road was completed. The new road construction and final toe berm will need soil importation. The completion of these improvements is scheduled for 2023. Cell CC-4 Part 3 and CC-4 Part 4A were the only areas accepting waste during the 3rd Quarter. ADC was being used at the active disposal areas. The soil stockpile in CC-2A was removed. The grading for the next cell CC-4 Part 5 was underway.

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 July of the 3rd Quarter, localized dust clouds occurred on roads to and on the County top deck when waste hauling transfer trucks used the dirt roads going across the County bowl and at the active waste disposal areas. The dust was not observed leaving the site. In August and September, the dust generation was reduced to just the active disposal area due to an increase in the watering of the dirt roads and site conditions. The long perimeter road around the landfill should be surfaced with recycled asphalt or aggregate to minimize the length of untreated dirt and to be fully compliant with this requirement. This perimeter road is frequently used by cover and soil importation trucks and waste disposal trucks.

Q-C.5 (City)

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

Current Status/Comments – In the 3rd 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 Permittee shall be exempt from this Condition No. 52 if, as a 'part of its annual report required by Part X of the

IMP, the Permittee determines that any such activity or project is infeasible, which determination shall be subject to the review and approval of the Director of Public Works.

The Permittee shall also install and maintain a landfill gas collection system complying with SCAQMD requirements, which uses best available control technology to control the lateral migration of gases to the satisfaction of the Director of Public Works, County LEA, and SCAQMD. In addition to the other requirements of this Condition No. 52, Landfill gas flares shall be installed below the adjacent interior ridges of the site, unless otherwise required by the SCAQMD, and the flames shall be totally contained within the stacks. Flame arrestors shall be provided to the satisfaction of the County Forester and Fire Warden.

Current Status/Comments – In late July, the gas-to-energy plant was using 10,733 SCFM of recovered landfill gas, 41% CH4, 1.5% O2, 68 ppm H2S. Flare 1: 2109 SCFM, 33% CH4, 1.6% O2, 100 ppm H2S; Flare 3: 2202 SCFM; Flare 9: not operating; Flare 10: 2584 SCFM; Flare 11: 2514. The total volume of landfill gas being recovered was 20,142 SCFM.

In late August, the gas-to-energy plant was using 10,460 SCFM of recovered landfill gas, 43% CH4, 1.9% O2, 64 ppm H2S. Flare 1: 2410 SCFM, 35% CH4, 1.1% O2, 100 ppm H2S; Flare 3: not operating; Flare 9: 2297 SCFM; Flare 10: 2403 SCFM; Flare 11: 2366 SCFM. The total volume of landfill gas being recovered was 19,936 SCFM.

In mid-September, the gas-to-energy plant was using 11,131 SCFM of recovered landfill gas, 42% CH4, 1.4% O2, 64 ppm H2S. Flare 1: 2065 SCFM, 33% CH4, 1.0% O2, 100 ppm H2S; Flare 3: was not operating; Flare 9: 2362 SCFM; Flare 10: 2279 SCFM; Flare 11: 2355 SCFM. The total volume of landfill gas being recovered was 20,192 SCFM.

The quantity of landfill gas being recovered during the 3rd Quarter has a daily average of 20,090 SCFM, with the gas-to-energy plant usage averaging 10,775 SCFM. Republic has stated that they are pursuing options for using the excess recovered gas that is now being flared.

T-4 (City)
Prepare a plot plan ["fire plan"] to the satisfaction of the Fire Department.
a. immediate access fire plan [now]
b. plot plan for the future facilities will be submitted when these are implemented

Fire Service - 12.03 (County)
The permittee shall maintain onsite fire response capabilities, construct access road, provide water tanks, water mains, fire hydrants and fire flows and perform brush clearance to the satisfaction of the County Forester and Fire Warden. The landfill will comply with all applicable County codes and ordinances which delineated the requirements for fire access, water mains, fire flows and fire hydrants, specifically defined by the County Fire Department. New construction water tanks, water mains and fire hydrants will be completed to meet the fire flow requirements of the Fire Department.

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

M-4.1.1(2) (City)
Areas outside of and above the cut and fill as shown on the conceptual grading plan shall not be graded, except for the development of ancillary facilities or other related improvements. Additional grading may be necessary for slope stability or drainage purposes. Prior to undertaking any grading activities, the Department of Building and Safety shall be notified and approve any additional grading based on engineering studies (in accordance with CCR Title 27) provided by the project proponent and independently evaluated by the Department of Building and Safety.

M-4.1.1(4) (City)
Grading that allows for construction of ancillary facilities outside of the landfill footprint or that has the potential to impact property beyond the boundary of the landfill shall be approved by the Department of Building and Safety.

M-4.1.1(5) (City)
All grading activities shall be in compliance with specific requirements provided in a comprehensive geotechnical report prepared specifically for the proposed project, including provisions for excavation approved by the Department of Building and Safety, City Engineer, City LEA and other Responsible Agencies.

M-4.1.5(12) (City)
Geologic Hazards - Liquefaction
Alluvium in the canyon bottoms beneath the footprint of the waste containment system and beneath ancillary structures shall be excavated and, if necessary, replaced with compacted structural fill during construction. A qualified geologist shall be onsite during construction activities to observe removal and replacement of alluvium and verify that all alluvium within the landfill footprint has been removed prior to placement of any compacted fill or construction of any containment system elements.

M-4.14.1(155) (City)
Construction of the realigned access roadway shall not exceed 15 percent in grade. An access road shall be constructed and maintained around the working area of the landfill for emergency access for firefighting equipment.

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

Current Status/Comments – There was no grading outside of the approved landfill development limits during the 3rd Quarter. Grading for the road realignment was done in the small valley south of the current main access road. The use was approved in the original CUP for ancillary uses. The construction plans and supporting geotechnical reports are being reviewed by City Planning and the City Building Department. The City approved brush and tree clearance and minor rough grading. The technical reports and detailed plan were not available for review. Cell CC-4 Part 3 and CC-4 Part 4A were the only areas accepting waste. All buildings except the maintenance facility were moved to the new location. The maintenance facility has not been relocated near the SCS offices and maintenance building.

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 3rd 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 3rd Quarter, Closure Turf was being maintained, and gas and liquids recovery systems under the turf were performing well. This cover material was in lieu of vegetation on the south-facing slopes, and controlled and eliminated dust and erosion. The soil stockpiled on the County top deck adjacent to Cell CC4 Part 3 was being excavated and used for cover, site improvements and operations. The areas where the County top deck stockpile soil was removed has gas recovery collection mainlines that cross the top deck, which cause areas of isolated depressions that will be prone to having ponding of rainwater and erosion. The soil stockpile at the toe of the westside slope of CC-2A was being excavated to expand CC-4 Part 4A to connect with CC-2A. This soil was being used for cover material.

M-4.1.1 (7) (City)

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

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

M-4.1.6 / 18 (City)

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

Current Status/Comments – The landfill perimeter boundary survey PVC marker pipes have been removed in areas where Edison pole grading took place, near the Flare 11 site pad grading and near the CC-4 Part 3 buttress. These boundary markers have not been replaced. All markers should be replaced.

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 3rd Quarter, no landfill odors were detected in the adjacent neighborhoods. There was a faint liquids odor detected on Balboa Boulevard just before the incline down to San Fernando Road. The roadway has stains that appeared to be the source of the odor. There were three NOVs issued in the 3rd Quarter: one in August for gas odors due to the gas-to-energy plant going down causing a shutdown of the flares; two for trash odors; one in August and one in September.

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 reports should be available for review and use.

Surface drainage systems were in place to intercept or divert rainwater away from prior landfill cells and current filling operations. Most of these were temporary systems in active areas, and most conveyance V-ditches were unlined. The construction of the final toe berm and main access road realignment project had started. This is a two-year project and includes a new basin upstream of the terminal basin, modification of the terminal basin, and improvement of the drainage channels to these basins. Also, the road realignment will entail the construction of a new main access road, a 350,000 cubic-foot sedimentation basin, and drainage improvements in the ravine south of the current entrance. The design plans and design details and calculations were submitted to the City for permit approval. The plans were not available for review by the monitor.

The site's sedimentation basin and channel systems should have an engineering review to calculate the current and future design capacities needed to meet City, County and State requirements.

M-4.3.1(39) (City)
As filling operations progress upward in elevation and laterally across the canyon, both permanent and temporary drainage facilities shall be used to provide appropriate drainage protection. The lower elevation portions of the landfill working face shall be placed under final cover as soon as final grade is attained, and bench ditches shall be installed that will connect to adjacent, permanent perimeter ditches. These ditches shall connect directly to the temporary diversion drainage ditches that will protect the active landfill areas from natural surface runoff.

M-4.18 / 178 (City)
The maximum permitted elevations for the landfill shall not be allowed to be exceeded at any time during landfill development and shall be verified through survey control points.

Current Status/Comments – A map showing areas that are at the final elevations and which should have final cover should be available for review. Documents showing current filled elevations should also be available onsite for review. The removal of stockpiled soil from the County top deck will determine the current waste fill elevation on that deck.

M-4.3.1(40) (City)
In order to monitor the effectiveness of those measures designed to prevent pollution from entering the offsite stormwater system, the project proponent shall be required to apply for coverage under the SWRCB General Construction Activities Stormwater Permit Programs.

M-4.3.1(45) (City)
An erosion control plan would be implemented by the project proponent to prevent stormwater pollution from construction activity. Construction materials, equipment and vehicles would be stored or parked in areas protected from stormwater runoff. Construction material loading and unloading would be in designated areas to minimize any washout due to stormwater runoff. Pre-construction controls would be implemented to include the use of a sandbagging system, including sandbag check dams and sandbag desilting basins, which would be used to limit runoff velocities and minimize sediment in stormwater runoff.

Surface Water 2.14 (County)
An erosion control plan would be implemented by the project proponent to prevent stormwater pollution from construction activity. Construction materials, equipment and vehicles would be stored or parked in areas protected from stormwater runoff. Construction material loading and unloading would be in designated areas to minimize any washout due to stormwater runoff. Pre-construction controls would be implemented to include the use of a sandbagging system, including sandbag check dams and sandbag desilting basins, which would be used to limit runoff velocities and minimize sediment in stormwater runoff.

Current Status/Comments – In the 3rd Quarter, surface drainage systems were in place to intercept or divert rainwater away from prior landfill cells and current filling operations. Most of these were temporary systems in active areas, and most conveyance V-ditches were unlined. Erosion control plans are developed and implemented. The erosion control plans should be available for agency and monitor's review.

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 – All of the basins were dry and cleared of sediment in the 3rd Quarter. The channels were free of sediment on all but the eastside drainage system. Those channels had growing vegetation, windblown brush, and some spots had an accumulation of sediment and windblown litter.

M-4.3.1(46) (City)
A preventive maintenance program would be implemented by the project proponent, including inspection of facility equipment, systems, and stormwater management devices to detect conditions

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

Surface Water 2.15 (County)

Surface Water Preventive Maintenance Program

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

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

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

In the 3rd Quarter, it was observed that vegetation was growing out of numerous cracks in the water retention basins and drainage conveyance channels' concrete. There were areas of the channels and basins that needed the growing vegetation to be removed, and repair of the concrete and sealing of cracks. These clean-up and maintenance tasks are put on the monthly preventative maintenance program work list and were scheduled to be done by October 1st. Other activities postponed working on these tasks.

M-4.3.2(50) (City)

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

Current Status/Comments – The old City North top deck has a tank farm of 16 Alder storage tanks for processing recovered leachate and condensate, with a double-wall pipeline to the sewer

connection at the entrance near San Fernando Road. This system operated with no odors detected at the tank farm or the sewer connection during the 3rd 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 3rd Quarter, sage mitigation areas decks B and C were being maintained by the removal of non-native vegetation. Native vegetation was doing well. Bare spots are being filled in from planted native plants. The condition of the PM-10 oak trees was being evaluated by Republic's consulting biologists. There was no activity on the County sage mitigation areas. Native plants were doing well, repopulating in the areas where they naturally came back. No mitigation revegetation activity is scheduled for this area in 2021.

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 – An updated mitigation tree report evaluating the impacts of the Saddleridge Fire and other impacts was being prepared. The number and type of trees that will need to be replaced will be addressed in the report. Site monitors observed numerous dead mature PM-10 oak trees. A mitigation tree replacement plan, scope and schedule has not been developed. A tree status report will be issued in January of 2022.

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 3rd 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. Due to City budget and staffing constraints, they do not anticipate any progress for quite a while. 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 in 2020 or 2021.

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 July, there was illegal dumping of a couch and miscellaneous debris on Sierra Highway. In August, there was some wind-blown litter adjacent to the roadway. In September, Sierra Highway was cleared of any illegally dumped waste and any litter. There was no litter or illegal dumping observed in the adjacent neighborhood in the 3rd Quarter.

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 3rd Quarter of 2021, 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 3rd Quarter, the only grading in native undisturbed areas that required archeological and paleontological monitoring was in the southeast ravine where brush and tree clearance and rough grading was done for the development of the main access road realignment.

Republic's Site Procedures for COVID-19

Republic staff stated that Sunshine Canyon Landfill took the following steps to protect employees from the COVID-19 virus:

- Acquired another employee van to have fewer people in a vehicle
- Implemented separate lunch schedules
- Set a limit of two people at a time in the locker room
- Installed new handwash stations around the facility
- Will put out buckets of water and bleach when parts arrive
- Will wipe down vans twice per day
- Issuing latex gloves
- Performing weekly deep cleaning
- Performing daily cleaning of door handles
- Eliminating the need for non-essential signatures

In the 3rd Quarter of 2021, no one had contracted the COVID-19 virus at the Sunshine Canyon Landfill.

Summary of Requested Documents

Part I – Reports and Plans

The following reports and plans were made available onsite and were reviewed in printed and electronic formats in 2019, just before the COVID19 pandemic. Due to COVID-19 restrictions, a current review of these documents has been postponed. When the restrictions on having group meetings are lifted, documents concerning the following topics will be reviewed. The monitors verified the following to be available to the monitors and agencies' staff.

a) Current Fill Sequence Plan.

   Current Fill Sequence Plans are available electronically and are updated at least weekly.

b) A plan showing areas that are inactive for 180 days or longer, with records tracking fill areas and interim reclamation and revegetation, including the timing of proposed work, as well as a plan showing current and projected areas to be within ten feet of the limits of fill.

   These plans are electronically available onsite.

c) Maps showing areas that are at final elevation, and bench ditches that will connect to drainage ditches to protect against natural surface runoff.

   Active City and County areas showing areas at final elevations were not observed. To date, no active areas have reached their final elevation. Trash elevations of inactive fill areas that have current or had prior stockpiled soil are not known.

d) The current erosion control plans.

   Current erosion control plans were available electronically.

e) Site drainage plans, including surface and underdrain systems, with complementing revegetation plans.

Site drainage plans were available electronically.

f) A plan/ report of the liner interceptor ditches design/ installation to ensure that surface runoff is appropriately conveyed to the existing flood control channel directly east of the project site entrance.

The plan was available electronically.

g) Comprehensive geotechnical reports.

The reports were available electronically.

h) A preventative maintenance plan and summary of monitoring reports of inspections of facility equipment, systems and stormwater management devices to detect conditions that may cause breakdowns or failures resulting in discharge of materials into stormwater.

Printed copies were available.

Part II – Logs and Records

Previously requested logs, records, safety and procedural documents to be made available onsite were reviewed in printed and electronic formats in the 4th Quarter of 2019. The monitors verified the following to be available to the monitors and agencies' staff. Review of current documents will occur when COVID-19 restrictions on group meetings is lifted.

a) Refuse Inspection Program (random load checks for prohibited waste)
b) Hazardous Waste Load-Checking (flammable, corrosive and toxic waste)
c) Spill Response Program (spill prevention, control and clean up procedures)
d) Safety Inspections, Training and Checklists (for employees, contractors and vendors)
e) Accident/Injury reports, Inspections (records of accidents and injuries)
f) Personal Protective Equipment (including hard hats, safety vests and safety glasses)
g) Hazardous Waste Disposal (procedures for disposal of toxic, ignitable or reactive ingredients)
h) Hazardous Waste Procedures (procedures for handling toxic, ignitable or reactive ingredients)
i) Injury and Illness Prevention Program (procedures to ensure OSHA compliance with health and safety in the workplace)
j) Prohibited Waste Procedures (procedures for handling prohibited waste such as car batteries, used motor oil, tires and untreated medical waste)
k) Lockout, Tagout and Blackout Procedures (specific practices and procedures to safeguard employees from the unexpected energization or startup of machinery and equipment)
l) Accident Prevention Signs and Tags (included in the OSHA safety training for employees)
m) Fire Response Procedures (included in the OSHA safety training for employees)
n) Fire Hoses on Water Trucks (included in the OSHA safety training for employees)
o) Heat Stress Prevention (included in the OSHA safety training for employees)
p) Fire Extinguisher Training (included in the OSHA safety training for employees)
q) Emergency Response and Evacuation Plan (included in the OSHA safety training for employees)
r) Hearing Conservation (program designed to protect workers from hearing impairment)
s) Stormwater Pollution Prevention (a site-specific document that identifies all of the activities and conditions onsite that could cause water pollution, and the steps the facility will take to prevent such a discharge)
t) Confined Space Requirements (set requirements so employees have enough space to work, and systems to ensure limited or restricted means of entry or exit to confined spaces)

u) Adverse Weather (procedures for maintaining work safety during severe weather conditions)

v) Drug and Alcohol-Free Workplace Procedures (procedures committed to the elimination of drug and alcohol use and abuse in the workplace)

w) Bloodborne Pathogens (procedures to protect employees from infectious microorganisms in human blood that can cause disease in humans. These pathogens include hepatitis B (HBV), hepatitis C (HCV) and human immunodeficiency virus (HIV); needlesticks and other sharps-related injuries may expose workers to bloodborne pathogens)

x) Rollovers (procedures to help prevent truck and equipment rollovers; addresses poor driving conditions, speeding, driver fatigue and distracted driving; part of Republic's Focus 6 Program)

y) Asbestos Safety and Respiratory Protection (procedures to help prevent respiratory injury to employees; includes the use of respirators and specialized clothing)

z) Slips, Trips and Falls (procedures to help prevent slips, trips and falls; includes keeping walkways clear, use of handrails, use of proper footwear and managing power cords)

aa) Conduct Hazardous Assessment (identify hazards and risk factors that have the potential to cause harm)

bb) Industrial Truck Training (safety training for machines such as forklifts and lift trucks; part of Republic's Focus 6 Program)

cc) Radiation Awareness (procedures and training to increase employee understanding of radiation and radioactivity, and how to manage encounters with radioactive materials)

dd) Hazardous Communication (physical and health hazards; a set of processes and procedures that employers must implement in the workplace to effectively communicate hazards associated with chemicals during handling, shipping, and any form of exposure)

Conclusions

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

As shown by the Non-Compliant and Further Review Needed sections above, the landfill is actively working toward being fully compliant with conditions and/or mitigation measures, with no non-compliant conditions observed, as Republic was in the engineering, planning, or implementation phases of each. Furthermore, monitoring of the tasks on these Mitigation Monitoring Summary spreadsheets tracks progress toward being fully compliant. Notwithstanding the above, air quality compliance status is not being actively monitored by UltraSystems.

The 2021 3rd 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
(07-01-2021 through 09-30-2021)

Line #	Reference #	Mitigation #	City Mitigation Measures and Conditions Monitored by Discipline	Monitoring Frequency	Second Quarter 2021												Third Quarter 2021											
					4/20/2021	Status*	Further Review Needed/Comments**	Resolved*	5/13/2021	Status*	Further Review Needed/Comments**	Resolved*	6/23/2021	Status*	Further Review Needed/Comments**	Resolved*	7/21/2021	Status*	Further Review Needed/Comments**	Resolved*	8/31/2021	Status*	Further Review Needed/Comments**	Resolved*	9/14/2021	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-d		✓	C	I-e		✓	C	I-f		✓	C	I-g		✓	C	I-h		✓	C	I-i	
9	Q - B.2.c.		Ancillary Uses and Facilities	ongoing	✓	C	I-d		✓	C	I-e		✓	C	I-f		✓	C	I-g		✓	C	I-h		✓	C	I-i	
10			Ancillary Uses and Facilities																									
11	Q - B.2.d (3)		10 Year Phase Review	2015	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
12			10 Year Phase Review																									
13	Q - B.4.d.		Inert/Exempt Materials	info	/				/				/				/				/				/			
14	Q - B.5.a.		Prohibited Waste	info	/				/				/				/				/				/			
15	Q - B.6.		Waste Diversion	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
16	Q - C.3.g.		Paved Access Roads	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
17	Q - C.3.h.		Surfacing of Access Roads	ongoing	✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i	
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-d		✓	FRN	I-e		✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i	
20	Q - C.10.d. (1)		Alternative Fuel Vehicles	status																								
21	Q - C.10.d. (2)		Alternative Fuel Refuse Collection Trucks	status																								

*** C = Compliant, NC = Non-Compliant, FRN = Further Review Needed, R = Resolved**
**** See Appendix I for Comments**
Checkmark = Condition or mitigation was monitored
/ = Yearly or non-ongoing monitoring frequency

Sunshine Canyon Landfill City Mitigation Monitoring Summary
(07-01-2021 through 09-30-2021)

Line #	Reference #	Mitigation #	City Mitigation Measures and Conditions Monitored by Discipline	Monitoring Frequency	Second Quarter 2021												Third Quarter 2021											
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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-d		✓	FRN	I-e		✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i	
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	✓	C	I-d		✓	C	I-e		✓	C	I-f		✓	C	I-g		✓	C	I-h		✓	C	I-i	
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-d		/		I-e		/		I-f		/		I-g		/		I-h		/		I-i	
38	M - 4.2.13	30	Operational Odor Control Techniques	ongoing	/		I-d		/		I-e		/		I-f		/		I-g		/		I-h		/		I-i	
39	M - 4.2.13	31	Solid Waste Compaction	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
40	M - 4.2.13	32	LFG Collection and Recovery System	ongoing	/		I-d		/		I-e		/		I-f		/		I-g		/		I-h		/		I-i	
41	M - 4.2.13	33	Odor Control Measures	ongoing	✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i	

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42	M - 4.2.13	34	Odor/LFG Monitoring	ongoing	/		I-d		/		I-e		/		I-f		/		I-g		/		I-h		/		I-i	
43			Periodic LFG Monitoring		/		I-d		/		I-e		/		I-f		/		I-g		/		I-h		/		I-i	
44	M - 4.3.2	52	LFG Migration Mitigation	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
45	M - 4.3.2	57	Dust Control Water	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
46	M - 4.4.2	69	Offsite Mitigation Sites	status	✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i	
47	M - 4.4.2	70	Purchasing Wetland Credit	status	/				/				/				/				/				/			
48	M - 4.4.2	71	Funding-Invasive Species Eradication Program	status	/				/				/				/				/				/			
49	M - 4.6	85	Site Lighting	status	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
50	M - 4.7.1	86	Open Space Buffer Area	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
51	M - 4.9.3	106	Litter Minimization	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
52	M - 4.9.3	107	Litter/Debris Containment	ongoing	✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i	
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	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
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	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i	
58	M - 4.9.5	127	Address Concerns of Citizens' Advisory Committee	ongoing	/				/				/				/				/				/			
59	M - 4.9.6	128	Landfill Gas/Collection System-Unsafe Methane Levels Monitoring	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
60	M - 4.9.6	129	Landfill Gas/Collection System-Detection/Training	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
61	M - 4.9.6	130	Landfill Gas/Collection System-Risk Mitigation	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	

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62	M - 4.16.4	176	Reclaimed Water	status	/				/				/				/				/				/			
63	M - 4.16.4	177	Water Conservation	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
64																												
65	**Civil & Geotechnical Engineer**																											
66																												
67																												
68	M - 4.1.1	2	Grading Outside of Conceptual Grading Plan Area	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
69	M - 4.1.1	3	Unsuitable Material Removal/Buffer Zones	ongoing																								
70	M - 4.1.1	4	Grading Outside of Landfill Footprint	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
71	M - 4.1.1	5	Grading Activity Compliance	ongoing	✓	FRN	NONE		✓	FRN	NONE		✓	FRN	NONE		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i	
72	M - 4.1.2	8	Landslide Guidelines	ongoing	✓	FRN	NONE		✓	FRN	NONE		✓	FRN	NONE		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i	
73	M - 4.1.2	9	Soil Stabilization	ongoing																								
74	M - 4.1.4	10	Landfill Design	ongoing																								
75	M - 4.1.4	11	Earthquake Operations Checklist	upon event	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
76	M - 4.1.5	12	Geologic Hazards - Liquefaction	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
77	M - 4.1.5	13	Design/Construction-Liquefaction	ongoing																								
78	M - 4.1.5	14	Design/Construction-Containment Structures	ongoing																								
79	M - 4.1.6	15	Refuse Slope Gradients	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
80	M - 4.1.6	16	Cut and Fill Slope Gradients	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i	
81	M - 4.1.6	17	Final Slope Factors of Safety	ongoing													✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i	
82	M - 4.1.6	18	Survey Monuments	ongoing	✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i	
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	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
88	M - 4.14.1	155	Access Roadway Grade	ongoing	✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i	
89	M - 4.18	178	Landfill Elevation Exceedance	ongoing	✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f		✓	C	NONE		✓	C	NONE		✓	C	NONE	
90																												
91	**Hydrologist**																											
92																												
93																												
94	M - 4.1.4	11	Earthquake Operations Checklist	upon event	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
95	M - 4.3.1	36	Surface Water Infiltration Minimization	ongoing													✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i	
96	M - 4.3.1	37	Surface Drainage Systems	ongoing	✓	C	I-d		✓	C	I-e		✓	C	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i	
97	M - 4.3.1	38	Permanent/Temporary Ditches	ongoing	✓	C	I-d		✓	C	I-e		✓	FRN	I-f		✓	C	I-g		✓	C	I-h		✓	FRN	I-i	
98	M - 4.3.1	39	Drainage Protection	ongoing	✓	C	I-d		✓	C	I-e		✓	FRN	I-f		✓	C	I-g		✓	C	I-h		✓	FRN	I-i	
99	M - 4.3.1	40	SWRCB Permit Coverage	ongoing	✓	C	I-d		✓	C	I-e		✓	C	I-f		✓	C	I-g		✓	C	I-h		✓	C	I-i	
100	M - 4.3.1	41	Surface Water Collection System	ongoing																								
101	M - 4.3.1	42	Surface Water Quality Monitoring	ongoing																								
102	M - 4.3.1	43	Sediment Basin Maintenance	ongoing	✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i	
103	M - 4.3.1	44	Final Landfill Cover	ongoing																								
104	M - 4.3.1	45	Erosion Control Plan	ongoing	✓	C	I-d		✓	C	I-e		✓	C	I-f		✓	C	I-g		✓	C	I-h		✓	C	I-i	
105	M - 4.3.1	46	Preventive Maintenance Program	ongoing	✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i	

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

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128	M - 4.4.3	75	Tree Planting Mitigation Site Prep	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
129	M - 4.4.3	76	Poultry Wire Screen	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
130	M - 4.4.3	77	Backfill Material	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
131	M - 4.4.3	78	Tree Planting Procedure	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
132	M - 4.4.3	79	Tree Area Mulching	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
133	M - 4.4.3	80	Tree Irrigation/Fertilization	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
134	M - 4.4.3	81	Irrigation System	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
135	M - 4.4.3	82	Annual Tree Monitoring Report	annual	✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i	
136	M - 4.9.2	96	Vector Activity Monitoring	ongoing	✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i	
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	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
151	M - 4.2.11	19	Construction Curtailing due to Pollution	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
152	M - 4.2.11	20	Dust Lofting Minimization	ongoing																								
153	M - 4.2.11	21	Wind Speed Monitoring	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
154	M - 4.2.11	22	Grading-Dust Reduction	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
155	M - 4.2.12	24	Construction Equipment Maintenance	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
156	M - 4.2.12		Construction Curtailing due to Pollution	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
157	M - 4.2.12	25	Refuse Trucks-Maintenance	ongoing																								
158	M - 4.2.12		Refuse Trucks-Engine	ongoing																								
159	M - 4.2.12		Refuse Trucks-Fee Schedule	ongoing																								
160	M - 4.2.12		Refuse Trucks-Fee Schedule Delivery Time	ongoing																								
161	M - 4.2.12		Refuse Trucks-Idling	ongoing																								
162	M - 4.2.12		Refuse Trucks-Emissions	ongoing																								
163	M - 4.2.12	26	Truck Travel and Fugitive Dust Emissions	ongoing	✓	FRN	NONE		✓	FRN	NONE		✓	FRN	NONE		✓	FRN	NONE		✓	FRN	NONE		✓	FRN	NONE	
164	M - 4.2.12		Truck Travel and Fugitive Dust Emissions	ongoing																								
165	M - 4.2.12		Truck Travel and Fugitive Dust Emissions	ongoing																								
166	M - 4.2.12		Truck Travel and Fugitive Dust Emissions	ongoing																								
167	M - 4.5.2	83	Landfill Hours	info	/				/				/				/				/				/			
168	M - 4.5.2	84	Landfill Equipment-Noise Reduction	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
169																												
170	**Hydrology, Hazardous Waste / Risk of Upset**																											

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171																												
172																												
173	M - 4.3.2	53	Groundwater Monitoring Wells	ongoing																								
174	M - 4.3.2	58	Operation as Class III Landfill	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
175	M - 4.3.2	59	Underground Fuel Storage	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
176	M - 4.9.1	90	Refuse Inspection Program	ongoing																								
177	M - 4.9.1	91	Hazardous Waste Load-Checking	status																								
178	M - 4.9.1	93	Hazardous Waste Detection Training	status																								
179	M - 4.9.1	94	Spill Response Program	status																								
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	✓	C	I-d		✓	C	I-e		✓	C	I-f		✓	C	I-g		✓	C	I-h		✓	C	I-i	
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-f		✓	C	NONE		✓	C	NONE		✓	FRN	I-i	
185	M - 4.14.1	147	Fire Response Capabilities	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i	
186	M - 4.14.1	148	Hydrant Installation	ongoing																								
187																												
188	**Archaeologist**																											
189																												
190																												
191	M - 4.19.1	183	Archaeological Resurvey	ongoing	✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i	
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	/	NA	NONE		/	NA	NONE		/	NA	NONE		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i	
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-d		✓	FRN	I-e		✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i	

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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-d		/		I-e		/		I-f		/		I-g		/		I-h		/		I-i	
7	Amendment 45.N - 4.c	45N	Odor Patrol Program	ongoing	/		I-d		/		I-e		/		I-f		/		I-g		/		I-h		/		I-i	
8	Amendment 45.N - 4.d	45N	Landfill Gas Mitigation Plan	ongoing	/		I-d		/		I-e		/		I-f		/		I-g		/		I-h		/		I-i	
9	Amendment 45.N - 5	45N	Dust and Odor Reports	ongoing	/		I-d		/		I-e		/		I-f		/		I-g		/		I-h		/		I-i	
10																												
11	Combined Site & Bridge Area -20.A	20.A	Joint Powers Authority	info	/				/				/				/				/				/			
12	Combined Site & Bridge Area -20.F	20.F	Mitigation Reporting and Monitoring Program Amendment	status	/				/				/				/				/				/			
13	Landfill Capacity - 27	27	Tipping Fees for Partial Loads/Peak Hours	status																								
14	Grading & Drainage-41.A -.D	41A-D	Water Conservation	status	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
15	Revegetation - 44.F	44.F	Revegetation	status	✓	C	I-d		✓	C	I-e		✓	C	I-f		✓	C	I-g		✓	C	I-h		✓	C	I-i	
16	Fugitive Dust - 45.B	45.B	Working Face Areas	ongoing	✓	C	I-d		✓	C	I-e		✓	C	I-f		✓	C	I-g		✓	C	I-h		✓	C	I-i	
17	Fugitive Dust - 45.F	45.F	Inactive Areas Monitoring	ongoing	✓	C	I-d		✓	C	I-e		✓	C	I-f		✓	C	I-g		✓	C	I-h		✓	C	I-i	
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	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
20	Gas - 52	52	Landfill Gas Collection System	ongoing	✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i	
21	Traffic - 57	57	Traffic Improvements	status	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
22	Traffic - 60	60	Street Light Installation	status	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
23	Traffic - 61	61	Traffic Minimization	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
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	NONE		✓	FRN	NONE		✓	FRN	NONE		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i	
29	Alternative Fuel Vehicles - 77.B	77.B	Alternative Fuel Vehicles-Refuse/Collection Trucks	status	✓	FRN	NONE		✓	FRN	NONE		✓	FRN	NONE		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i	
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																								
33	Alternative Fuel Vehicles - 77.F	77.F	Alternative Fuel Vehicles-Non-diesel Truck Trip Requirements	status																								
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																								
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	/				/				/				/				/				/			
41																												
42	MMRS-12/01/06		Mitigation Monitoring and Reporting Summary	info	/				/				/				/				/				/			
43			Permits																									
44	Geology - 1.15		Permittee's On-site Solid Waste Recovery and Recycling Program	status	/				/				/				/				/				/			
45	Surface Water - 2.09		SWRCB Permit Coverage	ongoing	/				/				/				/				/				/			
46	Surface Water - 2.15		Surface Water Preventive Maintenance Program	ongoing	✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i	
47	Groundwater - 3.13		Groundwater-LFG Migration Mitigation	ongoing																								

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48	Groundwater - 3.14		Groundwater-Monitoring Wells	ongoing																								
49	BIOTA – 4.05		Annual Fee Submission for SEA Studies	status	/				/				/				/				/				/			
50	BIOTA – 4.06		Buffer Zone Maintenance as Nature Preserve	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
51	BIOTA – 4.07		Buffer Zone Maintenance-Vegetation	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
52	BIOTA – 4.08		Ridgeline Maintenance-Remain Undisturbed	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
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	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
56	BIOTA – 4.50		Vector Activity Monitoring	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
57	Air Quality - 6.03		Dust Emission Minimization	ongoing	✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i	
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	NONE		✓	FRN	NONE		✓	FRN	NONE		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i	
65	Air Quality - 6.11		Alternative Fuel Refuse Collection/Transfer Trucks	status																								
66	Air Quality - 6.11		Alternative Fuel Vehicle Report Submission	status																								
67	Air Quality - 6.11		Heavy-duty, Alternative Fuel Off-Road Equipment Pilot Program	status																								
68	Air Quality - 6.11		Non-Diesel, Alternative Fuel Vehicles-Transfer/Collection Trucks	status																								
69	Air Quality - 6.11		Non-Diesel, Alternative Fuel Vehicles Truck Trips	status																								
70	Air Quality - 6.11		Clean Fuel Demonstration Program	status																								

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71	Air Quality - 6.11		Compliance Evaluation	status																								
72	Odor/Landfill Gas – 7.01		Landfill Gas Escape Prevention	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
73	Odor/Landfill Gas – 7.02		Landfill Gas Collection System	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
74	Odor/Landfill Gas – 7.04		Gas Collection/Flare System Risk Mitigation	ongoing																								
75	Odor/Landfill Gas – 7.05		Wellhead Awareness	status	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
76	Odor/Landfill Gas – 7.06		Odor Control Measures	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
77	Odor/Landfill Gas – 7.07		Gas Recovery and Sale	status	✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i	
78	Traffic/Circulation – 8.03		Street Light Installation	status	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
79	Traffic/Circulation – 8.04		Truck Traffic Minimization	status																								
80	Traffic/Circulation – 8.08		Tipping Fees for Partial Loads/Peak Hours	status																								
81	Traffic/Circulation – 8.10		Nighttime Landfill Operations Feasibility	status	/				/				/				/				/				/			
82	Traffic/Circulation – 8.11		Parking Management along San Fernando Road	status	/				/				/				/				/				/			
83	Traffic/Circulation – 8.13		Adequate Queuing	status																								
84	Visual – 10.03		Landfill Flare Locations	status	/				/				/				/				/				/			
85	Visual – 10.04		Confinement of Excavation Cover Material	status																								
86	Visual – 10.05		Lighting Requirements	status																								
87	Visual – 10.11		Litter Control Program	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
88	Visual – 10.11		Solid Waste Load Procedures-Improperly Covered/Contained	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
89	Visual – 10.11		Debris Removal at Entrance	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i	
90	Visual – 10.11		Litter Control-Fencing	ongoing	✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i	
91	Visual – 10.11		Periodic Litter Pickup	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
92	Visual – 10.11		Litter Control-Additional Measures	ongoing																								
93	Visual – 10.12		Discharge Control/Litter Recovery	status																								

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94	Water Conserv. - 11.01		Water Conservation	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
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	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
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	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
127																												
128	Geology - 1.01		Survey Monument Locations	ongoing	✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i	
129	Geology - 1.02		Seismic Design	ongoing																								
130	Geology - 1.03		Maximum Refuse Slope Gradients	ongoing																								
131	Geology - 1.04		Maximum Refuse Slope Gradients	ongoing																								
132	Geology - 1.05		Unsuitable Material Procedures	ongoing																								
133	Geology - 1.06		Grading Activities Procedures	ongoing																								
134	Geology - 1.07		Grading Activities Procedures	ongoing	✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i	

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135	Geology - 1.09		Outer Perimeter Ridgeline Requirements	info	✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i	
136	Geology - 1.12		Soil Stabilization	ongoing	✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i	
137	Geology - 1.16		Checklists/Surveys Following Earthquake	upon event	✓	NA	NONE		✓	NA	NONE		✓	NA	NONE		✓	NA	NONE		✓	NA	NONE		✓	NA	NONE	
138	Geology - 1.18		Alluvium-Removal/Replacement	ongoing																								
139	Geology - 1.19		Landfill Design/Construction	ongoing																								
140	Geology - 1.20		Landfill Design/Construction-Foundations	ongoing																								
141	Surface Water - 2.03		Surface Drainage Control Facilities	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i	
142	Surface Water - 2.05		Underdrain Requirements	ongoing																								
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																								
147	Visual – 10.01		Landfill Elevations	ongoing	✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i	
148	Visual – 10.02		Final Fill Elevations	ongoing	✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i	
149																												
150	**Hydrologist**																											
151																												
152																												
153	Grading & Drainage - 38	38	Installation of Drainage Structures	ongoing																								
154																												
155	Geology - 1.17		Landfill Design/Construction-Seismic	ongoing																								
156	Surface Water - 2.01		Surface Water Runoff Interception	ongoing																								
157	Surface Water - 2.02		Surface Water Runoff Collection	ongoing																								
158	Surface Water - 2.03		Surface Drainage Control-Maintenance	ongoing	✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i	

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159	Surface Water - 2-04		Sedimentation Basin Capabilities	ongoing																								
160	Surface Water - 2.05		Underdrain Placement	ongoing																								
161	Surface Water - 2.07		Drainage Control System Design Approval	ongoing																								
162	Surface Water - 2.08		Surface Water Runoff-Drainage System	ongoing																								
163	Surface Water - 2.10		Surface Water Collection System-Monitoring	ongoing	✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i	
164	Surface Water - 2.11		Surface Water Quality-Collection/Monitoring	ongoing																								
165	Surface Water - 2.12		Permanent/Temporary Drainage Facilities	ongoing	✓	C	I-d		✓	C	I-e		✓	C	I-f		✓	C	I-g		✓	C	I-h		✓	C	I-i	
166	Surface Water - 2.13		Permanent/Temporary Drainage Facilities	ongoing																								
167	Surface Water - 2.14		Erosion Control Plan	ongoing	✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i	
168	Groundwater - 3.03		Interception of Groundwater Seepage	ongoing																								
169	Groundwater - 3.06		Monitoring Wells	ongoing																								
170																												
171	**Biologist**																											
172																												
173																												
174	Revegetation - 44	44	Revegetation/Cover Requirements	ongoing																								
175	Revegetation - 44.A	44.A	Temporary Hydroseed Vegetation	ongoing	✓	C	I-d		✓	C	I-e		✓	C	I-f		✓	C	I-g		✓	C	I-h		✓	C	I-i	
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-d		✓	C	I-e		✓	C	I-f		✓	C	I-g		✓	C	I-h		✓	C	I-i	
181	Geology - 1.14		Personnel Retention for Monitoring Soil Erosion	ongoing	✓	C	I-d		✓	C	I-e		✓	C	I-f		✓	C	I-g		✓	C	I-h		✓	C	I-i	
182	Groundwater - 3.11		Irrigation/Revegetation Management-Personnel Retention	ongoing																								
183	BIOTA – 4.10		Oak Tree Permit	ongoing	✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i	

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184	BIOTA – 4.11		Oak Tree Mitigation Plan	ongoing	✓	C	I-d		✓	C	I-e		✓	C	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i	
185	BIOTA – 4.13		Oak Tree Mitigation Counting	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i	
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-d		✓	FRN	I-e		✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i	
189	BIOTA – 4.28		Coastal Sage Scrub Seeding	ongoing																								
190	BIOTA – 4.29		San Diego Horned Lizard Mitigation	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
191	BIOTA – 4.30		California Gnatcatcher Surveys	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
192	BIOTA – 4.31		Least Bell's Vireo Surveys	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
193	BIOTA – 4.32		Western Burrowing Owl Surveys	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
194	BIOTA – 4.33		Migratory Bird Treaty Act	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
195	BIOTA – 4.34		Raptor Nests Habitat	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
196	BIOTA – 4.36		Personnel Retention for Monitoring Revegetation Plan	ongoing																								
197	BIOTA – 4.37		Personnel Retention for Monitoring Revegetation Plan, Onsite Plants	status																								
198	BIOTA – 4.38		Green Waste Material	ongoing																								
199	BIOTA – 4.39		Revegetation of Slopes/Fill Areas	ongoing																								
200	BIOTA – 4.41		Revegetation Plan-Replacement Cover	ongoing																								
201	BIOTA – 4.42		Interim Vegetation	ongoing	✓	C	I-d		✓	C	I-e		✓	C	I-f		✓	C	I-g		✓	C	I-h		✓	C	I-i	
202	BIOTA – 4.43		Replacement Riparian Habitat	status	✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i	
203	Air Quality - 6.02		Dust Control	ongoing	✓	C	I-d		✓	C	I-e		✓	C	I-f		✓	C	I-g		✓	C	I-h		✓	C	I-i	
204	Visual – 10.06		Upper Ridge Planting/Revegetation	ongoing																								
205	Visual – 10.07		Tree Planting Around Perimeter	ongoing													✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i	
206	Visual – 10.08		Cover/Revegetation Requirements	ongoing	✓	C	I-d		✓	C	I-e		✓	C	I-f		✓	C	I-g		✓	C	I-h		✓	C	I-i	
207	Visual – 10.08		Solid Waste Disposal Procedures	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	

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

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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																								
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-d		✓	FRN	I-e		✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i	
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	

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**** See Appendix I for Comments**
Checkmark = Condition or mitigation was monitored
/ = Yearly or non-ongoing monitoring frequency

Sunshine Canyon Landfill County Mitigation Monitoring Summary
(07-01-2021 through 09-30-2021)

Line #	Reference #	Mitigation #	County Mitigation Measures and Conditions Monitored by Discipline	Monitoring Frequency	Second Quarter 2021												Third Quarter 2021											
					4/20/2021	Status*	Further Review Needed/Comments**	Resolved*	5/13/2021	Status*	Further Review Needed/Comments**	Resolved*	6/23/2021	Status*	Further Review Needed/Comments**	Resolved*	7/21/2021	Status*	Further Review Needed/Comments**	Resolved*	8/31/2021	Status*	Further Review Needed/Comments**	Resolved*	9/14/2021	Status*	Further Review Needed/Comments**	Resolved*
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	✓	FRN	NONE		✓	FRN	NONE		✓	FRN	NONE		✓	FRN	NONE		✓	FRN	NONE		✓	FRN	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	✓	C	I-d		✓	C	I-e		✓	C	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i	
276	IMP - Part VII.B	IMP7	Archaeological/Paleontological Report Submission	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
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-d		✓	FRN	I-e		✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i	
279	Archaeological – 5.03		Onsite Paleontologist	ongoing	✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i	
280	Archaeological – 5.04		Archaeological/Paleontological Identification Instruction	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	

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Sunshine Canyon Landfill County Mitigation Monitoring Summary
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Line #	Reference #	Mitigation #	County Mitigation Measures and Conditions Monitored by Discipline	Monitoring Frequency	Second Quarter 2021												Third Quarter 2021											
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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	✓	C	I-d		✓	C	I-e		✓	C	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i	
287	IMP - Part VII.B	IMP7	Archaeological/Paleontological-Report Submission	ongoing																								

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Appendix I
Further Review Needed Comments: Reference I-g through I-i
Third Quarter 2021 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-g through I-i: There was no grading outside of the approved landfill development limits during the 3rd Quarter. The grading that occurred was for the removal of stockpiled soil in CC-2A to connect CC-4 Part 4A to CC-2A; removal of stockpiled soil from the County top deck; and rough grading for the realignment of the main access road. The road realignment was not within the Sunshine Canyon waste fill limits but is in the CUP approved areas for ancillary uses. The road realignment also included a new sedimentation basin and the removal of a portion of the existing terminal basin and the westside inlet channels to the basin. This was in preparation for the construction of a final toe berm. By the end of September, the general grading for the new basin and road was completed. The new road construction and final toe berm will need soil importation. The completion of these improvements is scheduled for 2023. Cell CC-4 Part 3 and CC-4 Part 4A were the only areas accepting waste during the 3rd Quarter. ADC was being used at the active disposal areas. The soil stockpile in CC-2A was removed. The grading for the next cell CC-4 Part 5 was underway.
		Geology - 1.07	County DPW EPD/SCL-LEA	I-g through I-i: See Q – B.2.c above.
		Geology - 1.12	County DPW EPD/SCL-LEA	I-g through I-i: See Q – B.2.c above.
	Q - C.3.h		City Planning	I-g through I-i: In July of the 3rd Quarter, localized dust clouds occurred on roads to and on the County top deck when waste hauling transfer trucks used the dirt roads going across the County bowl and at the active waste disposal areas. The dust was not observed leaving the site. In August and September, the dust generation was reduced to just the active disposal area due to an increase in the watering of the dirt roads and site conditions.
	Q - C.10.c		City Planning	I-g: The gas-to-energy plant was using 10,733 SCFM of recovered landfill gas, 41% CH4, 1.5% O2, 68 ppm H2S. Flare 1: 2109 SCFM, 33% CH4, 1.6% O2, 100 ppm H2S; Flare 3: 2202 SCFM; Flare 9: not operating; Flare 10: 2584 SCFM; Flare 11: 2514. The total volume of landfill gas being recovered was 20,142 SCFM. I-h: The gas-to-energy plant was using 10,460 SCFM of recovered landfill gas, 43% CH4, 1.9% O2, 64 ppm H2S. Flare 1: 2410 SCFM, 35% CH4, 1.1% O2, 100 ppm H2S; Flare 3: not operating; Flare 9: 2297 SCFM; Flare 10: 2403 SCFM; Flare 11: 2366 SCFM. The total volume of landfill gas being recovered was 19,936 SCFM. I-i: The gas-to-energy plant was using 11,131 SCFM of recovered landfill gas, 42% CH4, 1.4% O2, 64 ppm H2S. Flare 1: 2065 SCFM, 33% CH4, 1.0% O2, 100 ppm H2S; Flare 3: was not operating; Flare 9: 2362 SCFM; Flare 10: 2279 SCFM; Flare 11: 2355 SCFM. The total volume of landfill gas being recovered was 20,192 SCFM. I-g through I-i: The quantity of landfill gas being recovered during the 3rd Quarter has a daily average of 20,090 SCFM, with the gas-to-energy plant usage averaging 10,775 SCFM. Republic has stated that they are pursuing options for using the excess recovered gas that is now being flared.
		Odor/Landfill Gas - 7.07	County Planning/SCAQMD SCL-LEA	I-g through I-i: See Q - C.10.c above.
		Gas - 52	County DPW EPD/SCL-LEA County Forester Fire Warden	I-g through I-i: See Q - C.10.c above.

Discipline	City Condition Reference # / Mitigation #	County Condition Reference #/ Mitigation #	Responsible Agency	Further Review Needed – Comments
Project Manager	T-4		City Planning, City Fire Department	I-g through I-i: An updated fire plan showing the new locations of all facilities and normal and emergency ingress and egress should be prepared and sent to the local City fire department station and City and County planning now that the office facilities have been moved to the new location and the realignment of the main access road and toe berm are under construction. Emergency egress should be posted for employees and customers.
		Fire Service - 12.03	County DPW EPD/SCL-LEA County Forester Fire Warden	I-g through I-i: See T-4 above.
	M - 4.1.1 / 7		City Planning, DOGGR	I-g through I-i: The old abandoned oil well casing adjacent to the new secondary access road from the Flare 11 site was not reabandoned. An evaluation of the need to reabandon this well should be done. This well was not leaking oil or gas, and did not pose a current hazard. It is well beyond the approved landfill limits but inside the ridgeline of Sunshine Canyon.
		Re-abandonment Procedures	County Planning, County DPW EPD/SCL-LEA, DOGGR	I-g through I-i: See M - 4.1.1 / 7 above.
	M - 4.1.4 / 11	Post-5.0 Earthquake Analysis	City Planning	I-g through I-i: There were no earthquakes of 5.0 or greater during this monitoring period.
	M - 4.2.12 / 26 and 28		City Planning/SCAQMD	I-g through I-i: During the 3rd Quarter, Closure Turf was being maintained, and gas and liquids recovery systems under the turf were performing well. This cover material was in lieu of vegetation on the south-facing slopes, and controlled and eliminated dust and erosion. The soil stockpiled on the County top deck adjacent to Cell CC4 Part 3 was being excavated and used for cover, site improvements and operations. The areas where the County top deck stockpile soil was removed has gas recovery collection mainlines that cross the top deck, which cause areas of isolated depressions that will be prone to having ponding of rainwater and erosion. The soil stockpile at the toe of the westside slope of CC-2A was being excavated to expand CC-4 Part 4A to connect with CC-2A. This soil was being used for cover material.
		Fugitive Dust - 45.F	County DPH/County LEA County DPW-EPD County Biologist	I-g through I-i: See M - 4.2.12 / 28 above.
	M -4.2.13/ 29, 30, 32, 33, and 34		City Planning/SCL-LEA/SCAQMD	I-g through I-i: 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-g through I-i: See M -4.2.13/ 29, 30, 32, 34 above.
		Amendment 45.N-5	County DPW-EPD	I-g through I-i: See M -4.2.13/ 29, 30, 32, 34 above.
	M - 4.2.13 / 33		City Planning/SCAQMD	I-g through I-i: On our random days of site visits during the 3rd Quarter, no landfill odors were detected in the adjacent neighborhoods. There was a faint liquids odor detected on Balboa Boulevard just before the incline down to San Fernando Road. The roadway has stains that appeared to be the source of the odor. There were three NOVs issued in the 3rd Quarter: one in August for gas odors due to the gas-to-energy plant going down causing a shutdown of the flares; two for trash odors; one in August and one in September.

Discipline	City Condition Reference # / Mitigation #	County Condition Reference #/ Mitigation #	Responsible Agency	Further Review Needed – Comments
Project Manager	M - 4.2.13 / 34		City Planning/SCAQMD	I-g through I-i: See M-4.2.13/29, 30, and 32 above.
		Odor/Landfill Gas - 7.06	County DPW-EPD/SCL-LEA/SCAQMD	I-g through I-i: See M-4.2.13/33 above.
		Amendment 45.N - 4.a, 4.c, 4.d	County DPW-EPD	I-g through I-i: See M-4.2.13/29, 30, 32, and 34 above.
		Amendment 45.N - 5	County DPW-EPD	I-g through I-i: See M-4.2.13/29, 30, 32, and 34 above.
		Surface Water - 2.15	County DPW EPD/ LARWQCB, SCL- LEA	I-g through I-i: A preventative maintenance program with inspection of facility equipment, systems and storm water management devices to detect conditions that may cause breakdowns or failures resulting in discharge of materials into stormwater should be performed on a monthly basis, with a summary report issued on a quarterly basis. These reports have been reviewed prior to COVID-19 restrictions and were available at the landfill's main office. In the 3rd Quarter, it was observed that vegetation was growing out of numerous cracks in the water retention basins and drainage conveyance channels' concrete. There were areas of the channels and basins that needed the growing vegetation to be removed, and repair of the concrete and sealing of cracks. These clean-up and maintenance tasks are put on the monthly preventative maintenance program work list and were scheduled to be done by October 1st. Other activities postponed working on these tasks.
	M - 4.4.2/ 69		City Planning	I-g through I-i: The status on providing offsite wetland and riparian mitigation has not changed in the 3rd 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. Due to City budget and staffing constraints, they do not anticipate any progress for quite a while. 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 in 2020 or 2021.

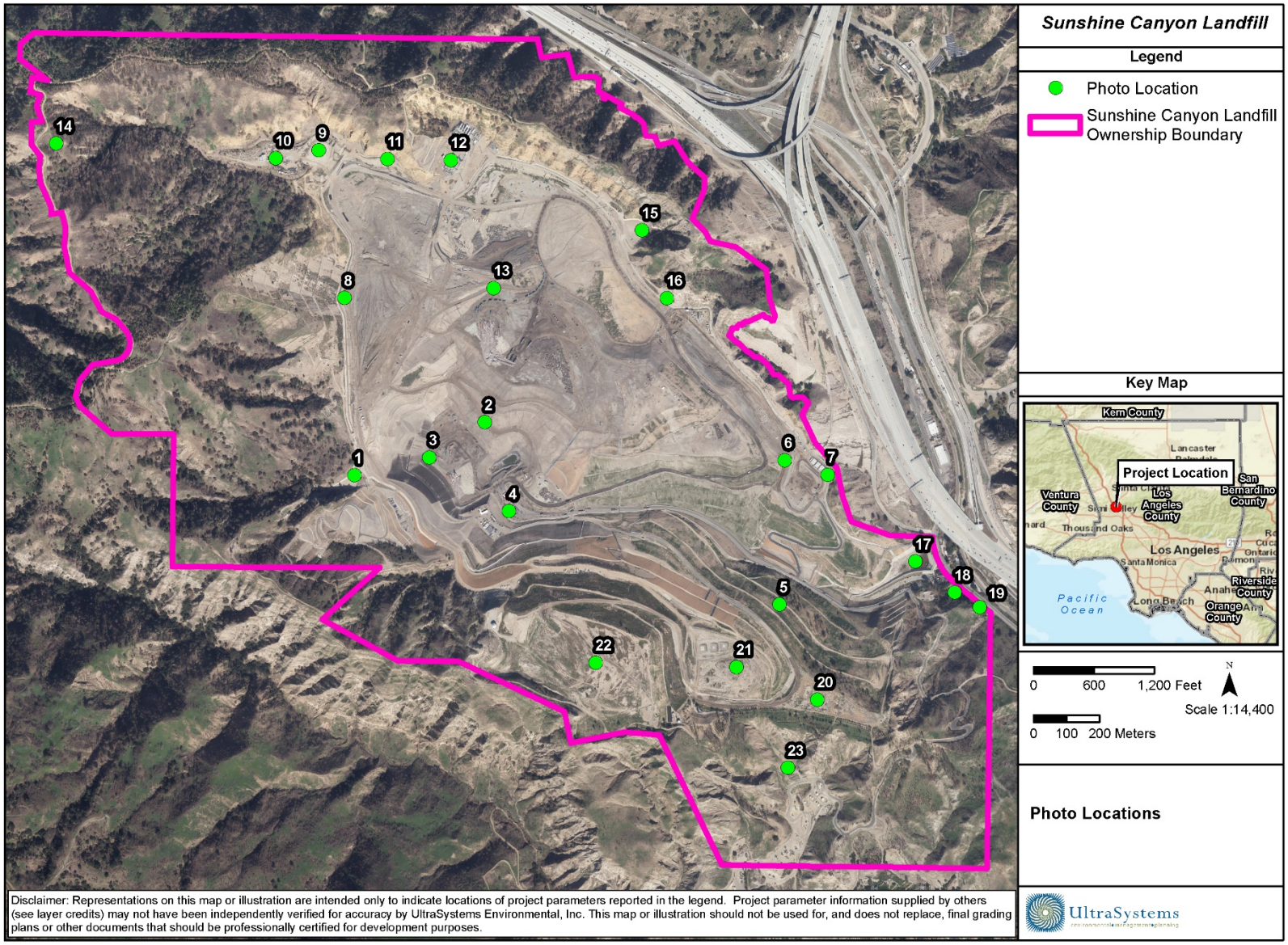
Discipline	City Condition Reference # / Mitigation #	County Condition Reference #/ Mitigation #	Responsible Agency	Further Review Needed – Comments
Project Manager		Biota - 4.4.3	CDFW	I-g through I-i: See M - 4.4.2 / 69 above.
	M - 4.9.3 / 110		City Planning/City LEA	I-g through I-i: In July, there was illegal dumping of a couch and miscellaneous debris on Sierra Highway. In August, there was some wind-blown litter adjacent to the roadway. In September, Sierra Highway was cleared of any illegally dumped waste and any litter. There was no litter or illegal dumping observed in the adjacent neighborhood in the 3rd Quarter.
Civil and Geotechnical Engineer	M - 4.1.1 / 2		City Building and Safety City Planning	I-g through I-i: See M - 4.1.1 / 5 below.
	M - 4.1.1 / 4		City Planning/LARWQCB Cal Recycle	I-g through I-i: See M - 4.1.1 / 5 below.
	M - 4.1.1 / 5		City Planning/ LARWQCB Cal Recycle	I-g through I-i: There was no grading outside of the approved landfill development limits during the 3rd Quarter. Grading for the road realignment was done in the small valley south of the current main access road. The use was approved in the original CUP for ancillary uses. The construction plans and supporting geotechnical reports are being reviewed by City Planning and the City Building Department. The City approved brush and tree clearance and minor rough grading. The technical reports and detailed plan were not available for review. Cell CC-4 Part 3 and CC-4 Part 4A were the only areas accepting waste. All buildings except the maintenance facility were moved to the new location. The maintenance facility has not been relocated near the SCS offices and maintenance building.
		Geology - 1.07	County DPW EPD/ County LEA	I-g through I-i: See M - 4.1.1 / 5 above.
	M - 4.1.5 / 12		City Planning/LARWQCB Cal Recycle	I-g through I-i: See M - 4.1.1 / 5 above.
	M - 4.1.6 / 18			I-g through I-i: 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. These boundary markers have not been replaced. All markers should be replaced.
	M - 4.14.1 / 155		City Planning/Cal Recycle PW-BOE LADBS City LEA	I-g through I-i: Access roads were being maintained around the working area for emergency access. Cell construction activities eliminated the ability to drive completely around the site.
	M - 4.18 / 178		City Planning/City LEA	I-g through I-i: A map showing areas that are at the final elevations and which should have final cover should be available for review. Documents showing current filled elevations should also be available onsite for review. The removal of stockpiled soil from the County top deck will determine the current fill elevation.
		Visual - 10.01 Visual - 10.02	County DPW EPD/ LARWQCB SCL-LEA	I-g through I-i: 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-g through I-i: Surface drainage systems were in place to intercept or divert rainwater away from prior landfill cells and current filling operations. Most of these were temporary systems in active areas, and most conveyance V-ditches were unlined. The construction of the final toe berm and main access road realignment project had started. This is a two-year project and includes a new basin upstream of the terminal basin, modification of the terminal basin, and improvement of the drainage channels to these basins. Also, the road realignment will entail the construction of a new main access road, a 350,000 cubic-foot sedimentation basin, and drainage improvements in the ravine south of the current entrance. The design plans and design details and calculations were submitted to the City for permit approval. The plans were not available for review by the monitor.
Hydrologist		Surface Water - 2.03 Surface Water - 2.12	County DPW EPD/ LARWQCB SCL-LEA	I-g through I-i: See M - 4.3.1/ 37, 38 above.
	M - 4.3.1 / 39		City Planning/LARWQCB Cal Recycle	I-g through I-i: See M - 4.3.1/ 37, 38 above.
	M - 4.3.1 / 40		City Planning/ LARWQCB CalRecycle SCL-LEA PW-BOE LADBS	I-g through I-i: See M - 4.3.1/ 37, 38 above.
	M - 4.3.1 / 43		City Planning/ LARWQCB CalRecycle SCL-LEA PW-BOE LADBS	I-g through I-i: All of the basins were dry and cleared of sediment in the 3rd Quarter. The channels were free of sediment on all but the eastside drainage system. Those channels had growing vegetation, windblown brush, and some spots had an accumulation of sediment and windblown litter.
		Surface Water - 2.10	LARWQCB / County DPW EPD	I-g through I-i: See M - 4.3.1/ 37, 38 and 43 above.
		Surface Water - 2.14	LARWQCB / County DPW EPD	I-g through I-i: See M - 4.3.1 / 37, 38 and 43 above. The current erosion control plans should be available for agency and monitor review.
	M - 4.3.1/ 46		City Planning/ LARWQCB CalRecycle PW-BOE	I-g through I-i: See 2.15 above.
	M - 4.3.2 / 50		City Planning/ LARWQCB CalRecycle SCL-LEA	I-g through I-i: The old City North top deck has a tank farm of 16 Alder storage tanks for processing recovered leachate and condensate, with a double-wall pipeline to the sewer connection at the entrance near San Fernando Road. This system operated with no odors detected at the tank farm nor the sewer connection during the 3rd Quarter. Tank farm liquids were being treated with 30% hydrogen peroxide at the tank farm and at the sewer connection.

Discipline	City Condition Reference # / Mitigation #	County Condition Reference #/ Mitigation #	Responsible Agency	Further Review Needed – Comments
Biologist	M - 4.1.1 / 6		City Planning/ LARWQCB CalRecycle SCL-LEA LADBS	I-g through I-i: See M - 4.2.12 / 28 above.
		Geology - 1.14	LARWQCB/ County Forester	I-g through I-i: See M - 4.2.12 / 28 above.
	M - 4.2.11 / 23		City Planning	I-g through I-i: See M - 4.2.12 / 28 above.
		Geology - 1.13	County DPW EPD/ County Forester LARWQCB	I-g through I-i: See M - 4.2.12 / 28 above.
	M - 4.2.12		SCL-LEA/ City Planning	I-g through I-i: See M - 4.2.12 / 28 above.
		Revegetation - 44.A	SCL-LEA/ County DPW EPD Regional Planning County Biologist	I-g through I-i: See M - 4.2.12 / 28 above.
		Revegetation - 44.F	SCL-LEA/ County DPW EPD Regional Planning County Biologist	I-g through I-i: See M - 4.2.12 / 28 above.
		Biota - 4.42	SCL-LEA	I-g through I-i: See M - 4.2.12 / 28 above.
		Air Quality - 6.02	SCAQMD/ SCL-LEA	I-g through I-i: See M - 4.2.12 / 28 above.
		Visual - 10.08	County Forester	I-g through I-i: See M - 4.2.12 / 28 above.
	M - 4.4.1 / 60		City Planning	I-g through I-i: During the 3rd Quarter, sage mitigation areas decks B and C were being maintained by the removal of non-native vegetation. Native vegetation was doing well. Bare spots are being filled in from planted native plants. The condition of the PM-10 oak trees was being evaluated by Republic's consulting biologists. There was no activity on the County sage mitigation areas. Native plants were doing well, repopulating in the areas where they naturally came back. No mitigation revegetation activity is scheduled for this area in 2021.
		Biota - 4.27	County LEA/CDFW	I-g through I-i: See M - 4.4.1 / 60 above.

Discipline	City Condition Reference # / Mitigation #	County Condition Reference #/ Mitigation #	Responsible Agency	Further Review Needed – Comments
Biologist		Biota - 4.10	County LEA/CDFW	I-g through I-i: An updated mitigation tree report evaluating the impacts of the Saddleridge Fire and other impacts was being prepared. The number and type of trees that will need to be replaced will be addressed in the report. Site monitors observed numerous dead mature PM-10 oak trees. A mitigation tree replacement plan, scope and schedule has not been developed. A tree status report will be issued in January of 2022.
	M - 4.4.3 / 72		City Planning	I-g through I-i: See Biota - 4.10 above.
	M - 4.9.4 / 121		City Planning/Cal Recycle Cal OSHA LAFD City LEA	I-g through I-i: See T-4 above.
	M-4.9.4/ 125		City Planning/ CalRecycle Cal OSHA SCL-LEA	I-g through I-i: During the 3rd Quarter of 2021, the north perimeter gate was observed to be not locked.
Paleontologist	M-4.19.2/ 191		City Planning	I-g through I-i: During the 3rd Quarter, the only grading in native undisturbed areas that required archeological and paleontological monitoring was in the southeast ravine where brush and tree clearance and rough grading was done for the development of the main access road realignment.
		Ecological Significance 62	County Planning	I-g through I-i: See M-4.19.2/ 191 above.

Appendix II
Relevant Site Photos



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 – 16
2	Working Area, CC4 Part 1/2	–
3	Working Area, CC4 Part 3	17 – 34
4	Working Area, CC-4 Part 4A	35 – 86
5	Closure Turf	87 – 94
6	Office and Scales Location	95 – 112
7	Alder Tank Liquids Treatment System	113 – 131
8	County Sage Mitigation Area and Westside Drainage Channels	132 – 141
9	Basin D	142 – 152
10	Basin D Material Storage Area	153 – 157
11	Basin D Outlet Channel	–
12	Flares 9, 10, 11 and Gas-to-Energy Facility	158 – 200
13	County Top Deck	201 – 223
14	North Access Road	–
15	Basin B	224 – 235
16	Eastside Drainage Channel	236 – 246
17	Terminal Basin	247 – 286
18	Greywater Sewer Connection	–
19	Retaining Wall at San Fernando Road	–
20	Sage Mitigation, Deck C	287 – 293
21	Sage Mitigation, Deck B	294 – 296
22	Sage Mitigation, Deck A	–
23	Southern Ownership Buffer	297 – 301
–	General Site	302 – 539

Photo 1: Basin A: July, 21, 2021

Photo 2: Basin A: July, 21, 2021

Photo 3: Basin A: July, 21, 2021

Photo 4: Basin A: August, 31, 2021

Photo 5: Basin A: August 31, 2021

Photo 6: Basin A: August 31, 2021

Photo 7: Basin A: August 31, 2021

Photo 8: Basin A: August 31, 2021

Photo 9: Basin A: August 31, 2021

Photo 10: Basin A: August 31, 2021

Photo 11: Basin A: August 31, 2021

Photo 12: Basin A: August 31, 2021

Photo 13: Basin A: August 31, 2021

Photo 14: Basin A: August 31, 2021

Photo 15: Basin A: August 31, 2021

Photo 16: Basin A: September 14, 2021

Photo 17: Working Area, CC-4 Part 3: July 21, 2021

Photo 18: Working Area, CC-4 Part 3: July 21, 2021

Photo 19: Working Area, CC-4 Part 3: July 21, 2021

Photo 20: Working Area, CC-4 Part 3: July 21, 2021

Photo 21: Working Area, CC-4 Part 3: July 21, 2021

Photo 22: Working Area, CC-4 Part 3: July 21, 2021

Photo 23: Working Area, CC-4 Part 3: July 21, 2021

Photo 24: Working Area, CC-4 Part 3: August 31, 2021

Photo 25: Working Area, CC-4 Part 3: August 31, 2021

Photo 26: Working Area, CC-4 Part 3: August 31, 2021

Photo 27: Working Area, CC-4 Part 3: August 31, 2021

Photo 28: Working Area, CC-4 Part 3: September 14, 2021

Photo 29: Working Area, CC-4 Part 3: September 14, 2021

Photo 30: Working Area, CC-4 Part 3: September 14, 2021

Photo 31: Working Area, CC-4 Part 3: September 14, 2021

Photo 32: Working Area, CC-4 Part 3: September 14, 2021

Photo 33: Working Area, CC-4 Part 3: September 14, 2021

Photo 34: Working Area, CC-4 Part 3: September 14, 2021

Photo 35: Working Area, CC-4 Part 4A: July 21, 2021

Photo 36: Working Area, CC-4 Part 4A: July 21, 2021

Photo 37: Working Area, CC-4 Part 4A: July 21, 2021

Photo 38: Working Area, CC-4 Part 4A: July 21, 2021

Photo 39: Working Area, CC-4 Part 4A: July 21, 2021

Photo 40: Working Area, CC-4 Part 4A: July 21, 2021

Photo 41: Working Area, CC-4 Part 4A: August 31, 2021

Photo 42: Working Area, CC-4 Part 4A: August 31, 2021

Photo 43: Working Area, CC-4 Part 4A: August 31, 2021

Photo 44: Working Area, CC-4 Part 4A: August 31, 2021

Photo 45: Working Area, CC-4 Part 4A: August 31, 2021

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Photo 69: Working Area, CC-4 Part 4A: August 31, 2021

Photo 70: Working Area, CC-4 Part 4A: August 31, 2021

Photo 71: Working Area, CC-4 Part 4A: August 31, 2021

Photo 72: Working Area, CC-4 Part 4A: September 14, 2021

Photo 73: Working Area, CC-4 Part 4A: September 14, 2021

Photo 74: Working Area, CC-4 Part 4A: September 14, 2021

Photo 75: Working Area, CC-4 Part 4A: September 14, 2021

Photo 76: Working Area, CC-4 Part 4A: September 14, 2021

Photo 77: Working Area, CC-4 Part 4A: September 14, 2021

Photo 78: Working Area, CC-4 Part 4A: September 14, 2021

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Photo 86: Working Area, CC-4 Part 4A: September 14 , 2021

Photo 87: Closure Turf: July 21, 2021

Photo 88: Closure Turf: July 21, 2021

Photo 89: Closure Turf: July 21, 2021

Photo 90: Closure Turf: July 21, 2021

Photo 91: Closure Turf: September 14, 2021

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Photo 94: Closure Turf: September 14, 2021

Photo 95: Office and Scales Location: July 21, 2021

Photo 96: Office and Scales Location: July 21, 2021

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Photo 105: Office and Scales Location: July 21, 2021

Photo 106: Office and Scales Location: July 21, 2021

Photo 107: Office and Scales Location: September 14, 2021

Photo 108: Office and Scales Location: September 14, 2021

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Photo 111: Office and Scales Location: September 14, 2021

Photo 112: Office and Scales Location: September 14, 2021

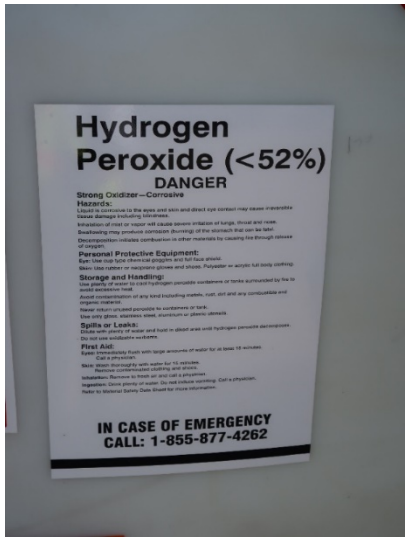

Photo 113: Alder Tank Liquids Treatment System: July 21, 2021

Photo 114: Alder Tank Liquids Treatment System: July 21, 2021

Photo 115: Alder Tank Liquids Treatment System: July 21, 2021

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Photo 117: Alder Tank Liquids Treatment System: July 21, 2021

Photo 118: Alder Tank Liquids Treatment System: July 21, 2021

Photo 119: Alder Tank Liquids Treatment System: July 21, 2021

Photo 120: Alder Tank Liquids Treatment System: July 21, 2021

Photo 121: Alder Tank Liquids Treatment System: July 21, 2021

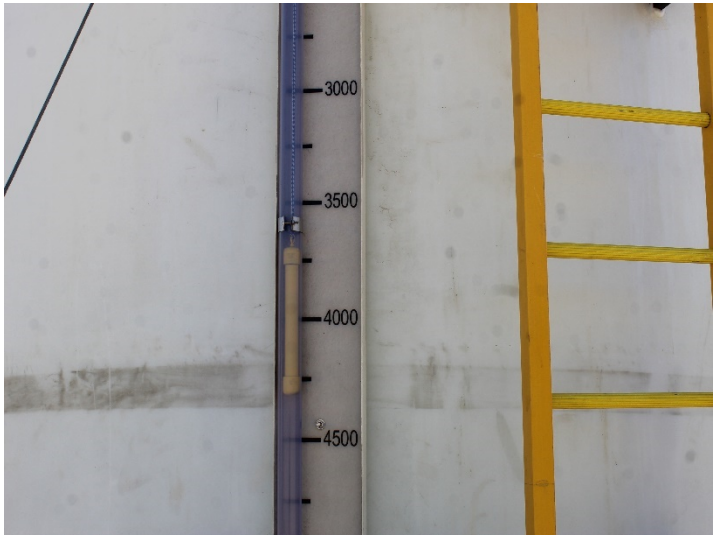

Photo 122: Alder Tank Liquids Treatment System: July 21, 2021

Photo 123: Alder Tank Liquids Treatment System: July 21, 2021

Photo 124: Alder Tank Liquids Treatment System: July 21, 2021

Photo 125: Alder Tank Liquids Treatment System: September 14, 2021

Photo 126: Alder Tank Liquids Treatment System: September 14, 2021

Photo 127: Alder Tank Liquids Treatment System: September 14, 2021

Photo 128: Alder Tank Liquids Treatment System: September 14, 2021

Photo 129: Alder Tank Liquids Treatment System: September 14, 2021

Photo 130: Alder Tank Liquids Treatment System: September 14, 2021

Photo 131: Alder Tank Liquids Treatment System: September 14, 2021

Photo 132: County Sage Mitigation and Westside Drainage Channels: July 21, 2021

Photo 133: County Sage Mitigation and Westside Drainage Channels: July 21, 2021

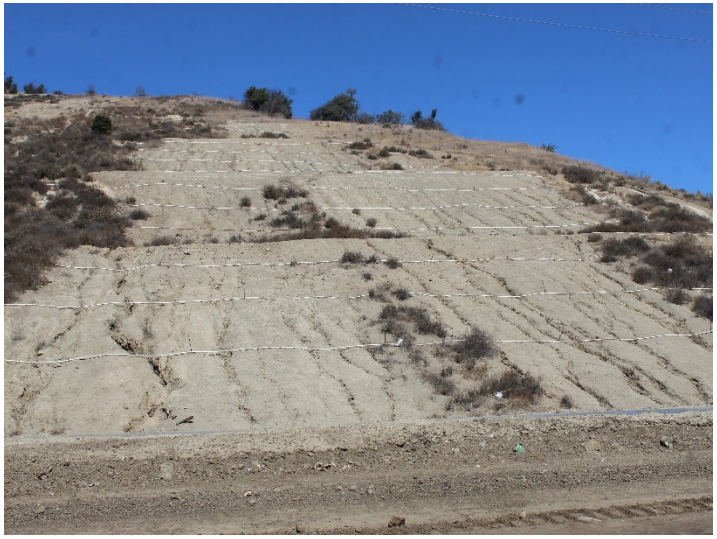

Photo 134: County Sage Mitigation and Westside Drainage Channels: July 21, 2021

Photo 135: County Sage Mitigation and Westside Drainage Channels: July 21, 2021

Photo 136: County Sage Mitigation and Westside Drainage Channels: August 31, 2021

Photo 137: County Sage Mitigation and Westside Drainage Channels: August 31, 2021

Photo 138: County Sage Mitigation and Westside Drainage Channels: August 31, 2021

Photo 139: County Sage Mitigation and Westside Drainage Channels: August 31, 2021

Photo 140: County Sage Mitigation and Westside Drainage Channels: September 14, 2021

Photo 141: County Sage Mitigation and Westside Drainage Channels: September 14, 2021

Photo 142: Basin D: July 21, 2021

Photo 143: Basin D: July 21, 2021

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Photo 146: Basin D: August 31, 2021

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Photo 153: Basin D Material Storage Yard: August 31, 2021

Photo 154: Basin D Material Storage Yard: August 31, 2021

Photo 155: Basin D Material Storage Yard: September 14, 2021

Photo 156: Basin D Material Storage Yard: September 14, 2021

Photo 157: Basin D Material Storage Yard: September 14, 2021

Photo 158: Flares 9, 10, 11 and Gas-to-Energy Facility: July 21, 2021

Photo 159: Flares 9, 10, 11 and Gas-to-Energy Facility: July 21, 2021

Photo 160: Flares 9, 10, 11 and Gas-to-Energy Facility: July 21, 2021

Photo 161: Flares 9, 10, 11 and Gas-to-Energy Facility: July 21, 2021

Photo 162: Flares 9, 10, 11 and Gas-to-Energy Facility: July 21, 2021

Photo 163: Flares 9, 10, 11 and Gas-to-Energy Facility: July 21, 2021

Photo 164: Flares 9, 10, 11 and Gas-to-Energy Facility: July 21, 2021

Photo 165: Flares 9, 10, 11 and Gas-to-Energy Facility: July 21, 2021

Photo 166: Flares 9, 10, 11 and Gas-to-Energy Facility: July 21, 2021

Photo 167: Flares 9, 10, 11 and Gas-to-Energy Facility: July 21, 2021

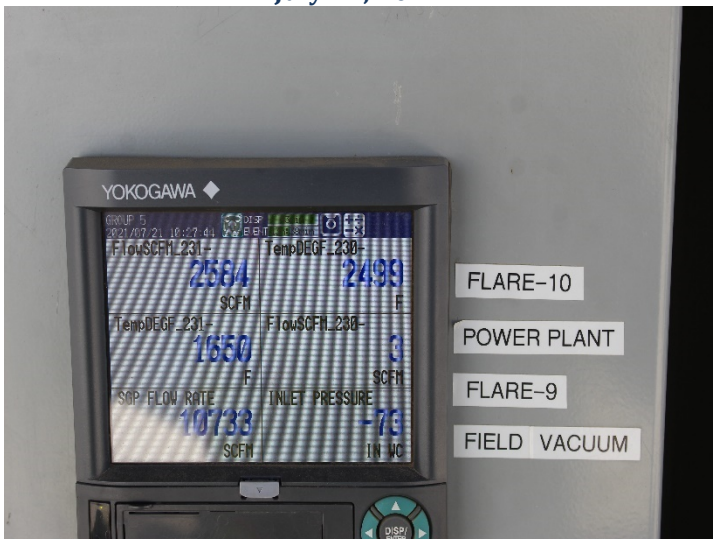

Photo 168: Flares 9, 10, 11 and Gas-to-Energy Facility: July 21, 2021

Photo 169: Flares 9, 10, 11 and Gas-to-Energy Facility: July 21, 2021

Photo 170: Flares 9, 10, 11 and Gas-to-Energy Facility: July 21, 2021

Photo 171: Flares 9, 10, 11 and Gas-to-Energy Facility: July 21, 2021

Photo 172: Flares 9, 10, 11 and Gas-to-Energy Facility: August 31, 2021

Photo 173: Flares 9, 10, 11 and Gas-to-Energy Facility: August 31, 2021

Photo 174: Flares 9, 10, 11 and Gas-to-Energy Facility: August 31, 2021

Photo 175: Flares 9, 10, 11 and Gas-to-Energy Facility: August 31, 2021

Photo 176: Flares 9, 10, 11 and Gas-to-Energy Facility: August 31, 2021

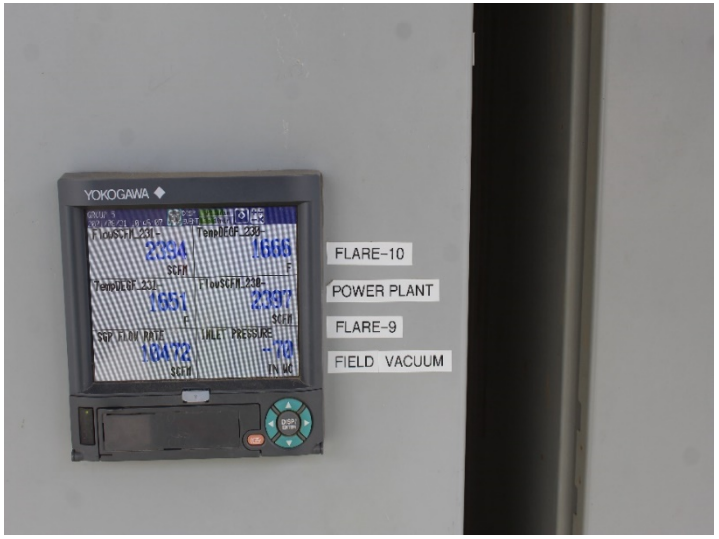

Photo 177: Flares 9, 10, 11 and Gas-to-Energy Facility: August 31, 2021

Photo 178: Flares 9, 10, 11 and Gas-to-Energy Facility: August 31, 2021

Photo 179: Flares 9, 10, 11 and Gas-to-Energy Facility: August 31, 2021

Photo 180: Flares 9, 10, 11 and Gas-to-Energy Facility: August 31, 2021

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Photo 185: Flares 9, 10, 11 and Gas-to-Energy Facility: August 31, 2021

Photo 186: Flares 9, 10, 11 and Gas-to-Energy Facility: August 31, 2021

Photo 187: Flares 9, 10, 11 and Gas-to-Energy Facility: September 14, 2021

Photo 188: Flares 9, 10, 11 and Gas-to-Energy Facility: September 14, 2021

Photo 189: Flares 9, 10, 11 and Gas-to-Energy Facility: September 14, 2021

Photo 190: Flares 9, 10, 11 and Gas-to-Energy Facility: September 14, 2021

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Photo 194: Flares 9, 10, 11 and Gas-to-Energy Facility: September 14, 2021

Photo 195: Flares 9, 10, 11 and Gas-to-Energy Facility: September 14, 2021

Photo 196: Flares 9, 10, 11 and Gas-to-Energy Facility: September 14, 2021

Photo 197: Flares 9, 10, 11 and Gas-to-Energy Facility: September 14, 2021

Photo 198: Flares 9, 10, 11 and Gas-to-Energy Facility: September 14, 2021

Photo 199: Flares 9, 10, 11 and Gas-to-Energy Facility: September 14, 2021

Photo 200: Flares 9, 10, 11 and Gas-to-Energy Facility: September 14, 2021

Photo 201: County Top Deck: July 21, 2021

Photo 202: County Top Deck: July 21, 2021

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Photo 211: County Top Deck: August 31, 2021

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Photo 224: Basin B: July 21, 2021

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Photo 227: Basin B: July 21, 2021

Photo 228: Basin B: August 31, 2021

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Photo 231: Basin B: September 14, 2021

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Photo 235: Basin B: September 14, 2021

Photo 236: Eastside Drainage Channel: July 21, 2021

Photo 237: Eastside Drainage Channel: July 21, 2021

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Photo 244: Eastside Drainage Channel: July 21, 2021

Photo 245: Eastside Drainage Channel: August 31, 2021

Photo 246: Eastside Drainage Channel: September 14, 2021

Photo 247: Terminal Basin: July 21, 2021

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Photo 287: Sage Mitigation, Deck C: July 21, 2021

Photo 288: Sage Mitigation, Deck C: July 21, 2021

Photo 289: Sage Mitigation, Deck C: July 21, 2021

Photo 290: Sage Mitigation, Deck C: July 21, 2021

Photo 291: Sage Mitigation, Deck C: September 14, 2021

Photo 292: Sage Mitigation, Deck C: September 14, 2021

Photo 293: Sage Mitigation, Deck C: September 14, 2021

Photo 294: Sage Mitigation, Deck B: July 21, 2021

Photo 295: Sage Mitigation, Deck B: July 21, 2021

Photo 296: Sage Mitigation, Deck B: July 21, 2021

Photo 297: Southern Ownership Buffer: July 21, 2021

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Photo 302: General Site: July 21, 2021

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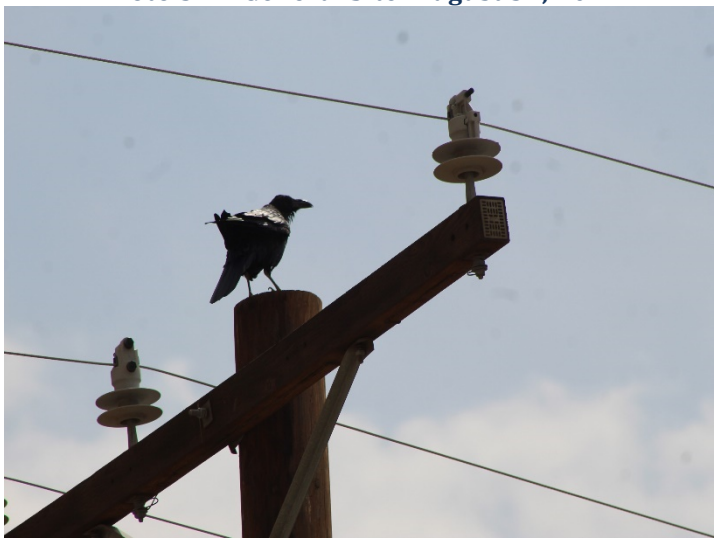

Photo 379: General Site: August 31, 2021

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Photo 406: Road Realignment: July 21, 2021

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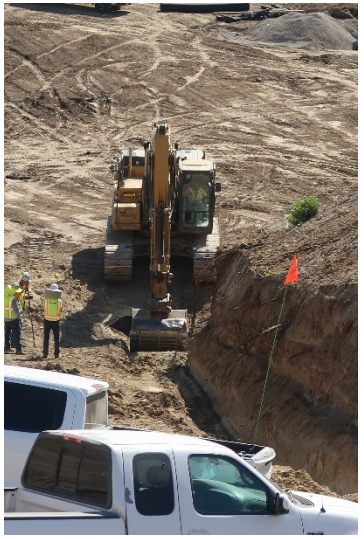

Photo 430: Road Realignment: July 21, 2021

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Photo 491: Road Realignment: August 31, 2021

Photo 492: Road Realignment: August 31, 2021

Photo 493: Road Realignment: August 31, 2021

Photo 494: Road Realignment: August 31, 2021

Photo 495: Road Realignment: September 14, 2021

Photo 496: Road Realignment: September 14, 2021

Photo 497: Road Realignment: September 14, 2021

Photo 498: Road Realignment: September 14, 2021

Photo 499: Road Realignment: September 14, 2021

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Photo 518: Road Realignment: September 14, 2021

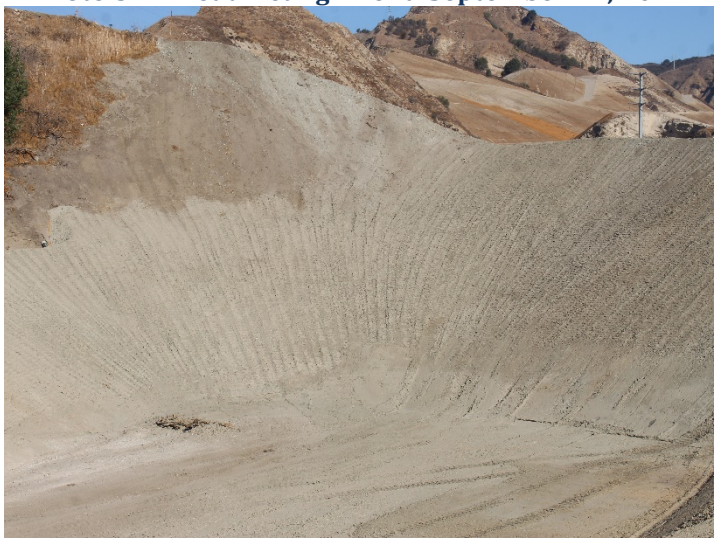

Photo 519: Road Realignment: September 14, 2021

Photo 520: Road Realignment: September 14, 2021

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Photo 530: Road Realignment: September 14, 2021

Photo 531: Road Realignment: September 14, 2021

Photo 532: Road Realignment: September 14, 2021

Photo 533: PM-10 Oak Trees: July 21, 2021

Photo 534: PM-10 Oak Trees: July 21, 2021

Photo 535: PM-10 Oak Trees: July 21, 2021

Photo 536: PM-10 Oak Trees: July 21, 2021

Photo 537: PM-10 Oak Trees: September 14, 2021

Photo 538: PM-10 Oak Trees: September 14, 2021

Photo 539: PM-10 Oak Trees: September 14, 2021

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Sunshine Canyon Landfill
Site Monitoring Procedures for July, August and September 2021

To follow the CDC guidelines for COVID-19 health protocols and to comply with State, County and City restrictions, UltraSystems is extending the monitoring of the landfill to occur on one day each month during April through June 2021; continue practicing physical distancing; and wearing a protective face mask.

UltraSystems will send a single engineer to perform a fact-finding visit in a single vehicle. The engineer will sign-in by phone with landfill staff when arriving on site. The engineer will start at the office parking and drive around the site, taking pictures of the current landfill conditions, construction activities, waste disposal, gas recovery and flaring. The engineer will not leave the immediate area of the vehicle or have personal contact with any landfill staff or waste disposal customers. Photo locations will include:

1. CC-4 Part 1 & 2
2. CC-4 Part 3
3. CC-4 Part 4 construction
4. Current disposal areas
5. Sedimentation basins
6. Gas-to-energy location
7. Flares
8. New office and scales locations
9. Gas systems construction/ general activity
10. Sage mitigation areas
11. Offsite areas to monitor illegal dumping and/or windblown litter
12. Offsite areas to monitor odors

After performing the monitoring activities, the UltraSystems engineer will notify Republic staff that they are signing out and leaving the site.

All photos will be emailed to Republic staff, City LEA, County Planning and Department of Public Works. An after-monitoring conference call will follow after reviewing the photos.

Corporate Office – Orange County
16431 Scientific Way
Irvine, CA 92618-4355
Telephone: 949.788.4900
Facsimile: 949.788.4901
Website: www.ultrasystems.com

Appendix II

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

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Sunshine Canyon Landfill
Site Monitoring Procedures for July, August and September 2021

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July 2021

Sunshine Canyon Landfill Meeting Log
July 21, 2021 Site Visit
July 29, 2021 Site Monitoring Conference Call

Site Visit Participants

James Aidukas, UltraSystems – Separate Vehicle
Mike Lindsay, UltraSystems – Separate Vehicle
Edgar De La Torre, Diana Gonzalez and Alex Garcia LACDRP – Separate Vehicle

Remote site monitoring conference call with Chris Coyle, Bill Carr and Dennis Montano (Republic).

Participants:
Edgar De La Torre, LACDRP
Diana Gonzalez, LACDRP
Gabriel Esparza, LACDPW
Vu Truong, LACDPW
James Aidukas, UltraSystems
Mike Lindsay, UltraSystems

Site Visit Observations Discussion:

To follow CDC guidelines for COVID-19 health protocols, UltraSystems sent personnel in separate vehicles to perform a site visit to photograph site conditions and record site observations of the landfill. Edgar De La Torre and Diana Gonzalez also were in a separate vehicle. After reviewing the photos and observation record, a post-site visit conference call was held to discuss Sunshine Canyon Landfill operations and the status of construction, maintenance and compliance for the months of August and September. We asked questions regarding health measures, site operations, weather impacts, landfill gas and liquids control, construction activities and mitigation measures status. We received comments and updates from Republic staff as follows:

Discussion Topics After Reviewing Site Visit Photos for July 21, 2021

1. The adjacent neighborhood was monitored for odor from 7:15 to 7:50 a.m. There were no landfill odors detected. Balboa Boulevard did not have any liquids odors from packer trucks near Woolsey. There was a faint landfill odor detected on Balboa just before going down to San Fernando Road. The source could not be determined.
    - Chris Coyle stated that the previous week trash juice odors were detected along Balboa where it comes down to San Fernando Road. Chris Coyle stated that he reached out to the City of Los Angeles last Thursday, and had sweepers come and clean that area in order to determine if the smell is coming from the asphalt or the landfill.

2. (Photos 0966-0968, 0981-0984, 1966-1974) The terminal basin was observed.
    a.) How will the basin be prepared for winter rain events?

- Chris Coyle stated that by October 1, subdrains will be in and most of the water will be diverted along the outbound lane; and at some point, it will transition into the terminal basin. Any stormwater on site will go into the terminal basin by October 1.

b.) What is the schedule for completing any modifications to the basin?

- Chris Coyle stated that he anticipates modifications to the basin will be completed by the end of next year.

3. (Photos 0985-0992) The new administration area was observed and there were no concerns noted.
   - Chris Coyle acknowledged the statement.

4. (Photos 1978-1988, 0993-0998) The liquids handling facility was observed.
   a.) There were no concerns noted in the Adler liquids holding tank area.
      - Chris Coyle acknowledged the statement.
   b.) A new hydrogen peroxide storage vessel and safety wash station was observed. Was a chemical storage permit needed?
      - Chris Coyle stated that a chemical storage permit is not needed because the chemicals are delivered using totes, and then transferred into a larger container.
      - James Aidukas asked if a hose is going to be mounted and connected to the nearby hydrant in case of any spills.
      - Bill Carr stated that it is a good practice to have that hose and it would be ideal, but they have to make sure they know where that drainage is going to go.
   c.) Is the piping to the Adler tanks buried and have double-wall construction?
      - Chris Coyle stated that he does not have the answer now, and will follow-up on it if they are buried in double-wall piping.

5. (Photos 0999-1002, 1989-1994) The eastside drainage channel was observed.
   a.) It is assumed that maintenance will be performed by October 1.
      - Chris Coyle acknowledged the statement.

6. (Photos 2001-2009) The scales area was observed.
   a.) The surface drainage and tank leak were fixed. No concerns were noted.
      - Chris Coyle stated that they regraded the pad that the Klein water tank tower was on, which took care of some of the drainage problems.

7. (Photos 1008-1012, 2011-2016) Basin B was observed.
   a.) There were no concerns except for litter removal in the native vegetation.
      - Chris Coyle acknowledged the statement.

8. (Photos 2017-2022, 1015-1021) The County bowl area was observed.
   a.) There were no concerns except for dust generation from dirt-hauling trucks traveling on un-watered roads.

- Chris Coyle stated that he and Bill Carr have been working on this by having the dirt truck drivers wait and call for water before they start driving.

9. (Photos 1022-1045, 2038-2046) The county top deck was observed.
    a.) There were no concerns except for dust generation from trucks using un-watered roads.
        - Chris Coyle referred to his response to Discussion Item 8. Chris Coyle and Bill Carr have been working on this by having the dirt truck drivers wait and call for water before they start driving.

10. (Photos 2070-2086, 1051-1059) The site's active disposal areas were observed.
    a.) There were no concerns noted.
        - Chris Coyle acknowledged the statement.
    b.) Import soil was being placed in Cell CC-4 Part 4A. How much is being imported daily?
        - Chris Coyle stated that an average of 2,000 tons is being imported daily.

11. (Photos 0958-0965, 1954-1958, 1962) The construction of the new main access road was observed.
    a.) When will construction of the road be finished?
        - Chris Coyle stated that construction of the road would be finished by the end of 2022.
    b.) When will the sediment basin in this canyon be constructed?
        - Chris Coyle stated that construction of the sediment basin would occur in 2022.
    c.) Will drainage channels and the basin be temporary (i.e., HDPE channels and dirt basin)?
        - Chris Coyle stated that there is going to be a switchback in the road, and the basin is going to be in the center of the switchback which is part of the 2022 construction.
        - James Aidukas asked what is going to be done for drainage between now and 2022.
        - Chris Coyle stated that the subdrains are going to be used for drainage.

<u>Site Operations</u>

1. Were there any notices of violation (NOVs) issued in July 2021?
    - Chris Coyle stated that there were no NOVs issued in July 2021.
2. Were there any operational complaints in July 2021?
    - Chris Coyle stated that there were no operational complaints in July 2021.

Site Visit Comments from Mike Lindsay

- Sierra Highway had wind-blown trash right at the I-14 overpass on the southwest side of the roadway.

Site Visit Comments from Edgar de la Torre

- Edgar de la Torre asked what portions of the new site entrance have been approved and what those phases include.
    - Chris Coyle stated that phases 1 and 2 have been approved which is for a cut-fill of the first third of the entrance road.

The conference call concluded.

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Sunshine Canyon Landfill
July 21, 2021 Site Visit
Conference Call Discussion Items

Site Visit Participants

Mike Lindsay, UltraSystems – Separate Vehicle
James Aidukas, UltraSystems – Separate Vehicle
Edgar De La Torre, Diana Gonzalez, and Alex Garcia LACDRP – Separate Vehicle

Discussion Topics After Reviewing Site Visit Photos

1. The adjacent neighborhood was monitored for odor from 7:15 to 7:50 a.m. There were no landfill odors detected. Balboa Boulevard did not have any liquids odors from packer trucks near Woolsey. There was a faint landfill odor detected on Balboa just before going down to San Fernando Road. The source could not be determined.

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    c.) Is the piping to the Adler tanks buried and double wall?

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    a.) There were no concerns except for dust generation from trucks using un-watered roads.

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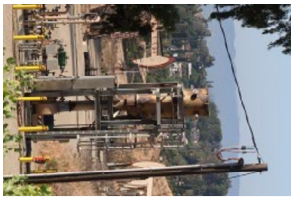
    a.) There were no concerns noted.
    b.) Import soil was being placed in Cell CC-4 Part 4A. How much is being imported daily?
11. (Photos 0958-0965, 1954-1958, 1962) The construction of the new main access road was observed.
    a.) When will construction of the road be finished?
    b.) When will the sediment basin in this canyon be constructed?
    c.) Will drainage channels and the basin be temporary (i.e., HDPE channels and dirt basin)?
    d.) Where will rainwater discharge to?

Site Operations

1. Were there any notices of violation (NOVs) issued in July 2021?
1. Were there any operational complaints in July 2021?

Site Visit Comments

To be discussed during conference call.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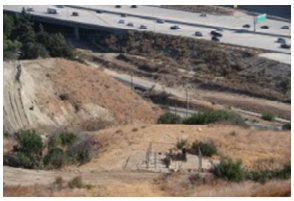
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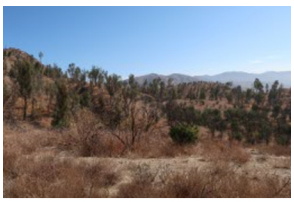
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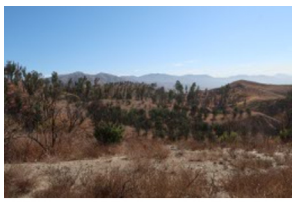
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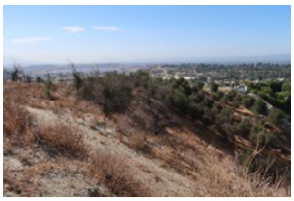
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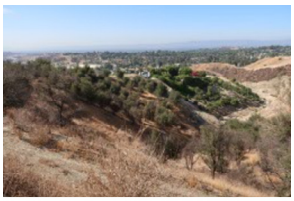
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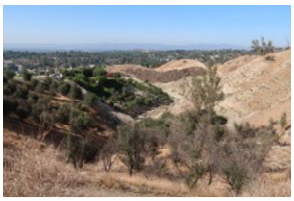
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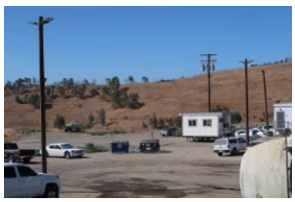
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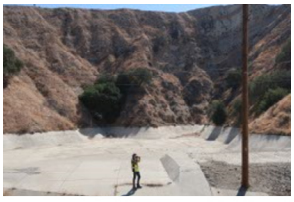
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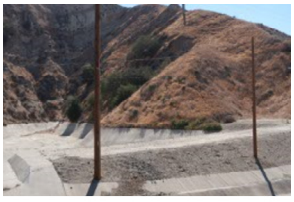
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SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT

Monitor: James Aidukas	Page: 1 of 2
Discipline: Project Manager	Date: 7/21/21
Site Conditions: 70-95° F, 0-10 MPH winds	

SITE LOG

Republic General Manager - Chris Coyle

Drove the Granada Hills neighborhood and school areas from 7:00 to 7:45 a.m. There were no landfill odors detected. Drove to the 100-acre buffer area. The oak trees were in good condition. The oil field flare was flaring production gas, with heat waves visible exiting the short flare stack. The southern fence gate was locked, and vegetation was cleared. Met with Mike Lindsay (UltraSystems), Edgar De La Torre and Diana Gonzalez (LACDRP). Mike Lindsay checked into the site via a phone call to Chris Coyle. We then proceeded to monitor the site in separate vehicles and observed the following:

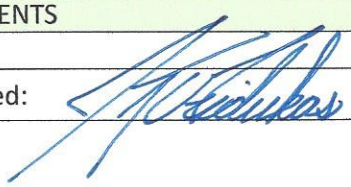
- The new entrance road's rough grading was underway. A temporary drainage v-ditch was being constructed. The general area's grading looked complete. Only a minor amount of the road was construction.
- A paleo monitor was seen monitoring the new road construction and general grading areas.
- The terminal basin had some standing water and sediment has not been removed.
- The westside inlet to the terminal basin and the basin's floor and sidewall's concrete to the eastside inlet that was removed had no additional work done in the area. The soil on the slopes and floor were wet from alluvial water.
- The general administration area was observed. There was no change since the last site visit in June. The parking area's surface is holding up well, with no concerns noted.
- The Adler tank liquids treatment facility was observed. There were no landfill liquids odor detected.
- A 7,000-gallon storage tank was installed near the Adler tanks for the 27% hydrogen peroxide that is used to treat the liquids at the handling facility. A water supply hydrant, eye water, and shower station were installed near the tank. This tank is filled from liquids delivered in 1,000-liter tote-type containers. Storage tank operating procedures are not known.
- The scales were observed. The dirt exit road was in good condition. There were no potholes. There was some ponding of water at the exit ramp from the dust control water storage tank water leak or spillage.
- There was no change in the condition of the eastside channel. It had spots with dry windblown brush and litter, and there was vegetation growing out of cracks in the concrete. Cleaning of the channels is on the maintenance schedule to be done by October 1st.

- Basin B was dry and free of sediment. Litter was observed in the east back area of the basin and hillside vegetation.
- The County bowl area was observed and there were no concerns with the fill area noted. No odors were detected in this area. The disposal roads could use more water, or use of tackifier, to control dust. The trucks using the roads in this area created large dust clouds.
- Idle, inoperable equipment was seen on the County top deck: 1 compactor, 3 scrapers, and 1 water truck. This was possibly due to a shortage of supply of repair parts.
- Cell CC-4 Part 3 and Part 4A were accepting waste. ADC was being used in both areas. There was no dust at the fill area. Odors were detected from fresh trash and were localized and being controlled onsite. The haul road near Basin D was not being watered adequately to control dust.
- The County top deck was observed. A significant amount of stockpiled soil was removed. The roadway in this area was not being adequately watered, and localized dust clouds were being generated. Surveying of the elevation of the waste on this deck should be done.
- The stockpiled wood being stored on the County top deck near Basin D was removed. This was from the brush clearing for the new access road and terminal buttress.
- The County sage mitigation area slopes had native vegetation filling in bare dirt areas. Native vegetation is doing well in these select areas. The area with prior erosion rills has some vegetation growing. No mitigation activity was being done in this area. Vegetation plans are being developed for next year.
- The Closure Turf was being maintained. There were no gas or liquids odors.
- Sage mitigation decks B and C were doing well and maintained with non-natives being removed.
- The PM-10 oak trees are in various stages of recovery from the Saddleridge Fire. Removal of dead branches and dead trees should be evaluated. There were approximately 30-40 dead oaks

Flare Operating Conditions:

- Flare 1 - 1644˚F, 2109 SCFM, 33% CH_4, 1.6% O_2, 100 PPM H_2S
- Flare 3 – 1666 ˚F, 2202 SCFM
- Flare 9 – not operating
- Flare 10 - 1650˚F, 2584 SCFM
- Flare 11 – 1638˚F, 2514 SCFM

The gas-to-energy plant was using 10,733 SCFM of recovered landfill gas, 41% CH_4, 1.5% O_2, 68 ppm H_2S. Total gas volume recovered was 20,142 SCFM.

FURTHER REVIEW NEEDED
COMMENTS
Signed: 

SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT

Monitor: Mike Lindsay	Page: 1 of 2
Discipline: Environmental Engineer	Date: 07-21-2021 Wednesday
Site Conditions: Partly Cloudy, 72–99 °F, S 1–10 mph, 47% RH, 47 AQI	

SITE LOG

1. No odors are present at the adjacent neighborhood at 7:25 am.
2. No odors are present at the Rancho Cascades neighborhood at 7:35 am.
3. Sierra Highway has wind-blown trash at the I-14 overpass on the southwest side of the roadway.
4. Checked into office via phone with Chris Coyle (Republic Services).
5. Alex Garcia, Edgar De La Torre and Diana Gonzales (LACDRP), and Jim Aidukas (UltraSystems) followed in separate vehicles to site locations.
6. Observed excavated area along the oil field road for the new entrance roadway, including excavators, bull dozers and water trucks.
7. Workers are lining a new trench with geotextile material near low-point of the excavation area; presumably a drainage channel.
8. A paleo monitor (JMA employee) is present at excavation area to monitor any undisturbed soil for fossils as it is being excavated.
9. The perimeter gate at the oil field is closed and locked.
10. A tall drilling rig is drilling a new oil well at west side of oil field.
11. No landfill odors are present at the oil field.
12. Eighteen empty dump trucks are exiting the landfill at 9:30 am.
13. Street sweepers are cleaning the haul roads.
14. The terminal basin is in good order, with some piles of sediment remaining for removal.
15. The admin facility is in good order.
16. No odors or leaks are present at the Alder tank farm.
17. A new hydrogen peroxide storage tank (7,000-gallon capacity) has been installed at the northwest side of the tank farm. The liquid level indicator shows about 3,500 gallons in tank.
18. A new emergency eye wash and body shower system has been installed by the hydrogen peroxide tank. The water system valves are functioning well.
19. Observed the low-point drainage sump. No odors are present.
20. The eastside drainage has vegetation and debris present, to be cleared by October 1.
21. The scales are in good order, with some ponding water at exit ramps from the water truck refilling tank.
22. A water truck is applying water for dust control to the main haul road as it exits the scales area.
23. Sediment basin B is dry and in good order, with some wind-blown trash present on steep slopes at back of basin.
24. No odors are present at bowl area southwest of basin B.
25. Flare 9 is offline, as workers perform maintenance on the burners.
26. Flare 10 is operating at 2584 scfm, 1650 °F. Gas sample measured at 41 % Vol. CH4, 1.5 % Vol. O2, 68 ppm H2S and 215 ppm CO. Blowers 1, 2, 3, 4, 5 and 6 are operating. Gas inlet temperature is 138 °F.
27. Flare 11 is operating at 2514 scfm, 1638 °F. Gas inlet temperature is 140 °F.
28. The Sunshine Gas Producers facility is operating at 10,733 scfm.
29. No gas odors are present at outlet flange of blower 5 or 6.
30. The cube liquid container has been removed from the west slope of the flare pad.
31. Workers are installing a shade canopy at the northeast end of the blowers 5 and 6 pad.

32. The storage yard is in good order, with five vehicles, used tires and a mattress being stored.
33. Sediment basin D is in good order, with riser drains clear of debris.
34. The County top deck is in good order, with soil being excavated for daily cover material.
35. The westside drainage channel is clear and in good order.
36. The County sage mitigation slopes are dormant in the summer heat.
37. Flare 3 is operating at 2202 scfm, 1666 °F. Gas sample measured at 43 % Vol. CH4, 1.4 % Vol. O2, 64 ppm H2S and 240 ppm CO. Gas inlet temperature is 152 °F. No odors are present.
38. Cell CC-4 Part 3 working area is in good order; the ADC is 50% covered with new trash at 11:10 am. Four tippers are active, with moving-floor trucks dumping to the east-side of cell.
39. Sediment basin A is in good order. Wind-blown trash is present along back slopes.
40. Traffic spotters are onsite to control traffic.
41. Cell CC-4 Part 4A is in good order, with moving floor trucks and packer trucks unloading; the ADC is 80% covered with new trash at 11:20 am.
42. Wind-blown trash is present in drainage canyon south of sediment basin A.
43. The closure turf at the City north slopes along the main haul road to the scales is in good order.
44. The fuel filling station is in good order.
45. Water trucks are applying water to site for dust control.
46. The City deck B sage mitigation area is in good order, dormant in the summer heat.
47. A fire helicopter landed and took off from the landing pads at City deck B.
48. Flare 1 is operating at 2109 scfm, 1644 °F. Gas sample measured at 33 % Vol. CH4, 1.6 % Vol. O2, 100 ppm H2S and 267 ppm CO. Gas inlet temperature is 142 °F. No odors are present.
49. The City deck C sage mitigation area is in good order, with workers onsite performing maintenance.
50. Water misters are operating along the PM-10 berm for odor and dust control.
51. The PM-10 berm oak trees are dormant in the summer heat.
52. Checked out of office with Chris Coyle via phone.

FURTHER REVIEW NEEDED

1. Remove wind-blown trash and debris from Sierra Highway.

Signed: Michael W. Lindsay

August 2021

UltraSystems
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SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT

Monitor: James Aidukas	Page: 1 of 2
Discipline: Project Manager	Date: 8/31/21
Site Conditions: 65-85° F, 0-10 MPH winds	

SITE LOG

Republic General Manager - Chris Coyle

Drove the Granada Hills near Woodley Avenue, the adjacent neighborhood, and school areas from 7:15 to 7:45 a.m. There were no landfill odors detected. Drove to the 100-acre buffer area. The oil field flare was flaring production gas, with heat waves visible exiting the short flare stack. The southern fence gate was locked. Met with Mike Lindsay (UltraSystems), Edgar De La Torre and Diana Gonzalez (LACDRP). Mike Lindsay checked into the site via a phone call to Chris Coyle. We then proceeded to monitor the site in separate vehicles and observed the following:

- The grading for the new entrance was progressing. The road was being constructed, the south slope was graded to near the property line, and a sediment basin was being graded west of the new road. The eastern-facing supporting slope was completed. Water control systems were not in place.
- A paleontological monitor was observed monitoring the new road construction and general grading areas.
- The terminal basin had some standing water coming from alluvial water seeps from where the concrete side wall was removed. Sediment removal was in progress.
- Two of the terminal basins' concrete inlet channels were removed. These convey water from the westside and the CC-2B basins. Preparation for winter rains has not started.
- CC-4 Part 3 and CC-4 Part 4A were active and accepting waste. Both areas were using ADC. The operating floor of CC-4 Part 4A had expanded to allow for two tippers. There were no odors detected leaving the immediate active areas. There were no operational concerns noted. Cover soil was coming from the County top deck.
- The Old City South soil stockpile area was staked for removal.
- Basin A had nearly all of the sediment removed.
- Windblown litter was in the native vegetation north of Basin A and in the small canyon south of the basin.
- The landfill limits perimeter has 1" square mesh installed on PVC pipe to help control windblown litter.
- There is no mitigation activity on the County sage mitigation slopes. Native vegetation has covered approximately 50% of the area. Selective activity could help the natives spread.
- The County top deck has had a substantial amount of the stockpiled soil removed. Grading will need to be done to level areas to eliminate the potential of ponding when it rains.

- Basin B had a minor amount of sediment and brush along the back eastern walls. Windblown litter was also in the native vegetation.
- The eastside drainage channels have sediment, brush and debris, and vegetation growing in the concrete.
- The general administration area was observed. There was no change since the last site visit. The parking area's surface is holding up well, with no concerns noted.
- The Adler liquids treatment facility was observed. There were no landfill liquids odor detected.
- The scales were observed. The dirt exit road was in good condition. There were potholes and some ponding of water at the exit ramp from a dust control water storage tank water leak or loading spillage.

Flare Operating Conditions:

- Flare 1 - 1635˚F, 2410 SCFM
- Flare 3 – not operating
- Flare 9 – 1626˚F, 2297 SCFM
- Flare 10 - 1652˚F, 2403 SCFM
- Flare 11 – 1679˚F, 2366 SCFM

The gas-to-energy plant was using 10,460 SCFM of recovered landfill gas, 43% CH_4, 1.9% O_2, 64 ppm H_2S. Total gas volume recovered was 19,936 SCFM.

FURTHER REVIEW NEEDED
COMMENTS
Signed:

SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT

Monitor: Mike Lindsay	Page: 1 of 2
Discipline: Environmental Engineer	Date: 08-31-2021 Tuesday
Site Conditions: Partly Cloudy, 63–84 °F, SSE 3–10 mph, 82% RH, 59 AQI	

SITE LOG

1. No odors are present at the adjacent neighborhood and school at 7:05 am. School is back in session.
2. No odors are present at the Rancho Cascades neighborhood at 7:25 am.
3. Sierra Highway has wind-blown trash and a couch at the I-14 overpass.
4. Checked into office via phone with Chris Coyle (Republic Services).
5. Edgar De La Torre and Diana Gonzales (LACDRP), and Jim Aidukas (UltraSystems) followed in separate vehicles to site locations.
6. Observed excavation work at the new entrance project area, and took GPS measurements at the water pump station above work area, high-limit marking stake, and low-limit marking stake (above the natural gas odorization facility along San Fernando Road).
7. Street sweepers are cleaning the haul roads.
8. The terminal basin is in good order, with additional concrete removed at southwest end for the final toe berm construction. Small piles of sediment are present at the riser drain area, and sediment is located along edge of floor.
9. The terminal basin inlet area has had its concrete removed, including half-way-up the concrete low-point spillway.
10. Straw wattle materials have been staged near the terminal basin inlet area for slope stabilization, now that concrete has been removed and bare soil slopes are exposed.
11. Cell CC-4 Part 4A is in good order, with tippers at the north end, and moving floor trucks and packer trucks unloading at the south end; the ADC is 40% covered with new trash at 9:20 am.
12. Large dump trucks are bringing stockpiled soil from the County top deck for daily cover.
13. Cell CC-4 Part 3 working area is in good order; the ADC is 50% covered with new trash at 9:45 am.
14. Sediment basin A is in good order. Wind-blown trash is present along back slopes.
15. Traffic spotters are onsite to control traffic.
16. Wind-blown trash is present in drainage canyon south of sediment basin A.
17. Flare 3 is offline.
18. The County sage mitigation slopes are dormant in the summer heat.
19. The westside drainage channel is in good order.
20. The storage yard is in good order, with five vehicles, used tires and piping being stored.
21. Sediment basin D is in good order, with riser drains clear of debris.
22. Flare 9 is operating at 2397 scfm, 1666 °F. Gas sample measured at 43 % Vol. CH4, 1.9 % Vol. O2, 64 ppm H2S and 267 ppm CO. Blowers 1, 2, 3, 4, 5 and 6 are operating. Gas inlet temperature is 135 °F.
23. Flare 10 is operating at 2394 scfm, 1651 °F. Gas inlet temperature is 136 °F.
24. Flare 11 is operating at 2361 scfm, 1678 °F. Gas inlet temperature is 138 °F.
25. The Sunshine Gas Producers facility is operating at 10,472 scfm.
26. No gas odors are present at outlet flange of blower 5 or 6.
27. Sediment basin B is dry and in good order, with some wind-blown trash present on steep slopes at back of basin.
28. No odors are present at bowl area southwest of basin B.
29. Workers are installing power pole lines onto wooden poles near sediment basin B.
30. Observed Cell CC-4 Part 3 working area along its western edge, including tippers.

31. Seagulls are present at the broken asphalt stockpiled on the top deck.
32. Water trucks are applying water to site for dust control.
33. Checked out of office with Chris Coyle via phone.

FURTHER REVIEW NEEDED

1. Remove wind-blown trash and debris from Sierra Highway.
2. Remove wind-blown trash and debris at back of basin A.
3. Remove wind-blown trash and debris at drainage canyon south of sediment basin A

Signed: Michael W. Lindsay

September 2021

Sunshine Canyon Landfill Meeting Log
August 31 and September 14, 2021 Site Visits
September 27, 2021 Site Monitoring Conference Call

Site Visit Participants:

August 31, 2021 Site Visit
James Aidukas, UltraSystems – Separate Vehicle
Mike Lindsay, UltraSystems – Separate Vehicle
Edgar De La Torre and Diana Gonzalez, LACDRP – Separate Vehicle

September 14, 2021 Site Visit
James Aidukas, UltraSystems – Separate Vehicle
Mike Lindsay, UltraSystems – Separate Vehicle
Tarik Hadj-Hamou, SRK – Separate Vehicle
Edgar De La Torre and Diana Gonzalez, LACDRP – Separate Vehicle

Because of scheduling and timing of site visits, a combination of the August and September 2021 site visits were covered during this conference call.

Participants:
Chris Coyle, Dennis Montano, Valerie Moore and Kate Downey, Republic Services
Edgar De La Torre and Diana Gonzalez, LACDRP
Vu Truong, LACDPW
James Aidukas and Mike Lindsay, UltraSystems
Tarik Hadj-Hamou, SRK

Site Visit Observations Discussion:

To follow CDC guidelines for COVID-19 health protocols, UltraSystems sent personnel in separate vehicles to perform a site visit to photograph site conditions and record site observations of the landfill. Edgar De La Torre and Diana Gonzalez also were in a separate vehicle. After reviewing the photos and observation record, a post-site visit conference call was held to discuss Sunshine Canyon Landfill operations and the status of construction, maintenance and compliance for the months of August and September. We asked questions regarding health measures, site operations, weather impacts, landfill gas and liquids control, construction activities and mitigation measures status. We received comments and updates from Republic staff as follows:

Discussion Topics After Reviewing Site Visit Photos

1. The adjacent neighborhood was monitored for odor from 7:00 to 7:50 a.m. on each site visit day. There were no landfill odors detected. Balboa Boulevard did not have any liquids odors from packer trucks near Woodley Avenue. There was a faint trash liquids odor detected on Balboa Boulevard just before going down to San Fernando Road. The roadway was stained and appeared to be the odor source.

- Chris Coyle stated that this is a regular maintenance issue, and the City of LA does their own scheduled sweeps. Republic notifies them if it becomes odiferous; typically, someone from the City is sent out within 24 to 48 hours.

2. (Photos 1204, 1205) The oil field flare was burning production gas on both visit days. On September 14, 2021 the gas was at a high volume.
    a.) Is DCOR not able to process and sell the gas?
        - Chris Coyle stated that he does not know if DCOR is unable to process and sell the gas.

3. (Photos 1207-1209) The mitigation oak trees and eucalyptus trees are in good condition in the 100-acre buffer area.
    - Chris Coyle acknowledged the statement.

4. (Photos 1210-1228, 1308-1314, 2444-2484, 2631-2668) The excavation and construction of the new access road and retention basin was observed on both site visits. The current progress is shown in the photos.
    a.) When will the road and basin be completed?
        - Chris Coyle stated that the basin will have concrete in it this year and the road will be completed by the end of 2023.
    b.) How big is the new basin?
        - Chris Coyle stated that the basin has a sixteen-foot depth and it can hold 350,000 cubic feet of storm water.
    c.) Where will it drain to?
        - Chris Coyle stated that the basin will drain to the terminal basin.
    d.) How will rainwater draining to San Fernando Road be handled?
        - Chris Coyle stated that concrete V-ditches will convey rainwater to the cattleguard at the front gate, then it will discharge outside the terminal basin.

5. (Photos 1315-1319, 2676-2677) The liquid handling and treatment area was observed. There were no odors detected.
    a.) Has a safety plan and training session been developed for the hydrogen peroxide system?
        - Chris Coyle stated that their vendor, USP Technologies, hosted a training and presentation with Republic and SCS Engineers for the hydrogen peroxide system on July 9, 2021.

6. (Photos 1320-1322, 1327-1331, 2550-2556, 2606-2608, 2683-2687) The basins were cleaned of sediment.
    a.) Windblown litter was observed around Basin B and Basin A.
        - Chris Coyle stated that due to safety concerns nobody is being sent up the slopes or put on ropes because it is too dangerous, so the litter is picked up as it comes down and is being monitored on a regular basis.

7. (Photos 1324, 1325) The excess water spilling from filling dust control vehicles is not being controlled near the scales off-ramp.
    - Chris Coyle stated that there is still more work to be done cutting a series of drainage channels there to redirect the water to the channel behind the tower. Essentially the entire Klein water tower area will be rebuilt, aside from the tank itself, but it currently has new floats, new check valves; a manual one and an electric one for shut off. It should not be leaking anymore and drainage will be improved.

8. (Photos 1332-1344, 1347-1352) There were no concerns with this portion of the County top deck.
    - Chris Coyle acknowledged the statement.

9. (Photos 1365, 1367-1370) The western top deck was observed.
    a.) How will ponding of rainwater be handled?
    - Chris Coyle stated that all of the ponding will be graded to two low points and then it will be pumped across to the channel.

10. (Photos 1371-1380, 1421-1423, 1426, 1427, 2527-2534) The site's active disposal areas were observed.
    a.) There were no concerns noted.
    - Chris Coyle stated that it has been a challenging summer.

11. (Photos 1381-1392) It was noted that the area east of the graded area had an increase in subsidence.
    a.) Is the cause known?
    - Chris Coyle stated that there have been no reports of slope or stockpile movement.

12. (Photos 1393-1396, 2762-2764) Sage mitigation deck C and B were doing well.
    - Chris Coyle acknowledged the statement.

13. (Photos 1397-1419, 2765-2767) The PM-10 oak trees were observed. There were numerous dead trees.
    a.) Is there a schedule for replacement?
    - Chris Coyle stated that a tree planting event was tentatively scheduled in the Fall, however they are evaluating the life of all the trees in the PM-10 berm before calling them dead. The trees are looking good on the backside out on the oil road, so they are holding out hope for the trees in the PM-10 berm.

14. (Photos 1434-1442, 2492-2514, 2768-2774) The terminal basin was cleared of sediment on the September visit.
    a.) How will it be protected during the upcoming winter rain season?
    - Chris Coyle stated that Sukut is responsible for the stormwater BPs that will be implemented at the terminal basin They will use 60 mil plastic, making sure to get it laid down and water tight before it rains.

Site Operations

1. Were there any notices of violation (NOVs) issued in August or September 2021?
    - Chris Coyle stated that a landfill gas NOV was issued on August 1, 2021 due to the gas-to-energy plant going down and pulling the flares down for about two hours; one was issued for trash odors on August 11, 2021; and another trash odor NOV was issued on September 21, 2021.
2. Were there any operational complaints in August or September 2021?
    - Chris Coyle stated that complaints started to come in while the power plant and flares were offline on August 1.

Site Visit Comments from Mike Lindsay

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

The conference call concluded.

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Sunshine Canyon Landfill
August 31 and September 14, 2021 Site Visits
Conference Call Discussion Items

Site Visit Participants

August 31, 2021, Site Visit
Mike Lindsay, UltraSystems – Separate Vehicle
James Aidukas, UltraSystems – Separate Vehicle
Edgar De La Torre and Diana Gonzalez, LACDRP – Separate Vehicle

September 14, 2021 Site Visit
Mike Lindsay, UltraSystems – Separate Vehicle
James Aidukas, UltraSystems – Separate Vehicle
Tarik Hadj-Hamou, SRK – Separate Vehicle
Edgar De La Torre and Diana Gonzalez, LACDRP – Separate Vehicle

Because of scheduling and timing of site visits, a combination of the August and September 2021 site visits was done for the conference call.

Discussion Topics After Reviewing Site Visit Photos

1. The adjacent neighborhood was monitored for odor from 7:00 to 7:50 a.m. on each visit day. There were no landfill odors detected. Balboa Boulevard did not have any liquids odors from packer trucks near Woodley Avenue. There was a faint trash liquids odor detected on Balboa Boulevard just before going down to San Fernando Road. The roadway was stained and appeared to be the odor source.

2. (Photos 1204, 1205) The oil field flare was burning production gas on both visit days. On September 14, 2021 the gas was at a high volume.
    a.) Is DCOR not able to process and sell the gas?

3. (Photos 1207-1209) The mitigation oak trees and eucalyptus trees are in good condition in the 100-acre buffer area.

4. (Photos 1210-1228, 1308-1314, 2444-2484, 2631-2668) The excavation and construction of the new access road and retention basin was observed on both site visits. The current progress is shown in the photos.
    a.) When will the road and basin be completed?
    b.) How big is the new basin?
    c.) Where will it drain to?
    d.) How will rainwater draining to San Fernando Road be handled?

5. (Photos 1315-1319, 2676-2677) The liquid handling and treatment area was observed. There were no odors detected.
    a.) Has a safety plan and training session been developed for the hydrogen peroxide system?

6. (Photos 1320-1322, 1327-1331, 2550-2556, 2606-2608, 2683-2687) The basins were cleaned of sediment.
    a.) Windblown litter was observed around Basin B and Basin A.
    b.) Vegetation was seen growing in the eastside drainage channel, terminal basin, Basin A, and Basin B.

7. (Photos 1324, 1325) The excess water spilling from filling dust control vehicles is not being controlled near the scales off-ramp.

8. (Photos 1332-1344, 1347-1352) There were no concerns with this portion of the County top deck.

9. (Photos 1365, 1367-1370) The western top deck was observed.
    a.) How will ponding of rainwater be handled?

10. (Photos 1371-1380, 1421-1423, 1426, 1427, 2527-2534) The site's active disposal areas were observed.
    a.) There were no concerns noted.

11. (Photos 1381-1392) It was noted that the area east of the graded area had an increase in subsidence.
    a.) Is the cause known?
    b.) The graded stockpile is wet. Is this from a seep?

12. (Photos 1393-1396, 2762-2764) Sage mitigation deck C and B were doing well.

13. (Photos 1397-1419, 2765-2767) The PM-10 oak trees were observed. There were numerous dead trees.
    a.) Is there a schedule for replacement?

14. (Photos 1434-1442, 2492-2514, 2768-2774) The terminal basin was cleared of sediment on the September visit.
    a.) How will the terminal basin be reconstructed?
    b.) How will it be protected during the upcoming winter rain season?

<u>Site Operations</u>

1. Were there any notices of violation (NOVs) issued in August or September 2021?
1. Were there any operational complaints in August or September 2021?

<u>Site Visit Comments</u>

To be discussed during conference call.


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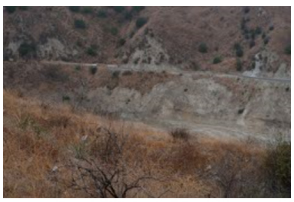
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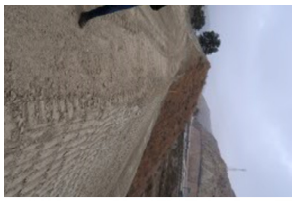
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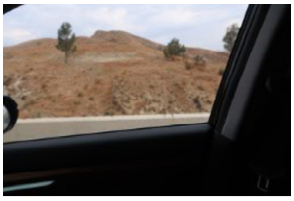
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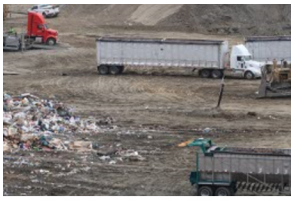
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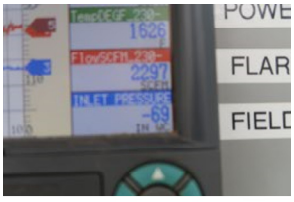

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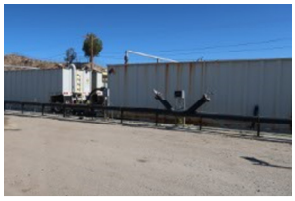
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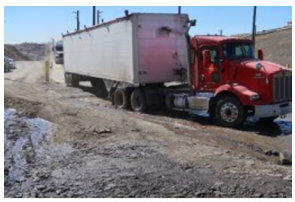
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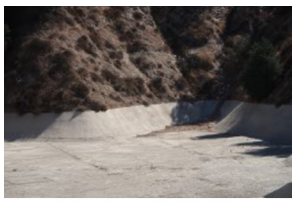
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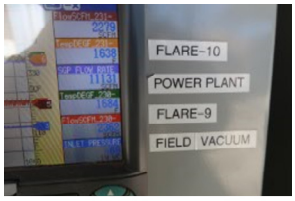

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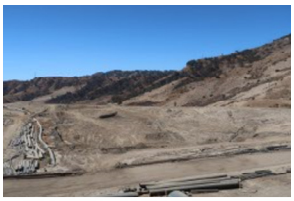
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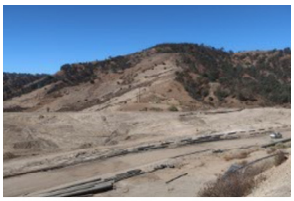
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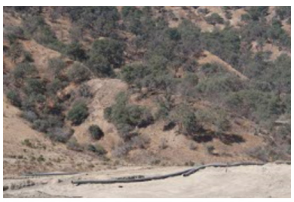
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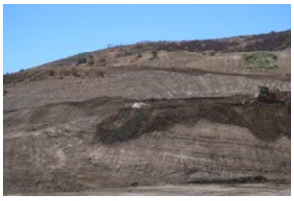
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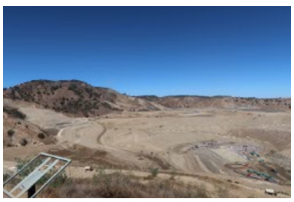
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UltraSystems
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SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT

Monitor: James Aidukas	Page: 1 of 2
Discipline: Project Manager	Date: 9/14/21
Site Conditions: 65-85° F, 0-10 MPH winds	

SITE LOG

Republic General Manager - Chris Coyle

Drove the Granada Hills near Woodley Avenue, the adjacent neighborhood, and school areas from 7:00 to 7:45 a.m. There were no landfill odors detected. Drove to the 100-acre buffer area. The southern fence gate was locked. Oil operations were idle. Met with Mike Lindsay (UltraSystems), Edgar De La Torre and Diana Gonzalez (LACDRP). Mike Lindsay checked into the site via a phone call to Chris Coyle. We then proceeded to monitor the site in separate vehicles and observed the following:

- There was no construction activity at the new access road and sediment basin area. There was grading occurring in the area west of the sewer connection near San Fernando Road.
- The landfill liquids treatment facility had no odors detected. There were no operational concerns noted. The hydrogen peroxide tank had control valves and piping on the outlet flange. A control panel was also installed. The function of the new controls is not known.
- The eastside drainage channel had sediment, brush, and debris that was not yet removed.
- The administration area had no operational concerns noted.
- The scales' exit road had potholes on the eastside, with water that leaked from the dust control water storage tank covering the roadway and filling up the potholes.
- Basin B was dry and cleared of sediment except for the eastern back area. Vegetation growing out of the concrete cracks was not removed.
- The County bowl area had no concerns noted. There was a fleeting gas odor near well CTC 625, which could have been from water in the recovery system.
- The County top deck had wet weather broken concrete and asphalt being stockpiled. A substantial amount of the soil stockpiled was removed. There are many isolated areas that could have water ponding after a rain.
- The County sage slopes had natives growing in previously barren areas.
- There was a stockpile of a mix of soil and wood waste on the west side of the top deck.
- CC-4 Part 3 and CC-4 Part 4A were active accepting waste. There were no odors detected leaving the immediate disposal site.
- Basin A was dry and cleared of sediment. Wind-blown litter was observed in the back western native vegetation.
- The soil stockpile south of CC-4 Part 4A is being excavated for the next cell development. The soil is very moist.

- The sage mitigation Deck C and B were doing well. Non-natives were being removed.
- The PM-10 berm Oak trees had numerous dead trees that did not recover from the fire. A Republic count and replacement schedule is not known.
- The closure turf was observed. There were no concerns noted.
- The terminal basin was dry and cleared of sediment except for approximately one 5-yard pile of dirt. The skimmers were ready for use.

Flare Operating Conditions:

- Flare 1 - 1643˚F, 2065 SCFM. Gas quality was 33% CH_4, 1.0% O_2, 100 ppm H_2S.
- Flare 3 – not operating
- Flare 9 – 1684˚F, 2362 SCFM
- Flare 10 - 1638˚F, 2279 SCFM
- Flare 11 – 1656˚F, 2355 SCFM

The gas-to-energy plant was using 11,131 SCFM of recovered landfill gas, 42% CH_4, 1.4% O_2, 64 ppm H_2S. Total gas volume recovered was 20,192 SCFM.

FURTHER REVIEW NEEDED

COMMENTS

Signed:

SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT

Monitor: Mike Lindsay	Page: 1 of 2
Discipline: Environmental Engineer	Date: 09-14-2021 Tuesday
Site Conditions: Clear, 63–91 °F, E 2–8 mph, 33% RH, 43 AQI	

SITE LOG

1. No odors are present at the adjacent neighborhood and school at 7:15 am.
2. Republic odor patrol is active in the adjacent neighborhood.
3. No odors are present at the Rancho Cascades neighborhood at 7:30 am.
4. Litter and dumped trash are present along Foothill Boulevard, directly across from the landfill and northwest of Balboa Avenue.
5. Sierra Highway is mostly clear of wind-blown trash and debris.
6. Checked into office via phone with Chris Coyle (Republic Services).
7. Edgar De La Torre and Diana Gonzales (LACDRP), Jim Aidukas (UltraSystems) and Tarik Hadj-Hamou (SRK) followed in separate vehicles to site locations.
8. Observed excavation work at the new entrance road realignment project area, including a 20-foot-deep excavated area directly adjacent to the old graywater facility and south of the existing sewer tie-in. Iron girders are staged for shoring the north-end along San Fernando Road.
9. Observed upper entrance road construction area, including new water retention basin.
10. A paleo monitor (JMA employee) is present at excavation area to monitor any undisturbed soil for fossils as it is being excavated.
11. Chris Coyle stated that required import soil for the entrance road and final toe berm may come from the Rory Shaw wetland watershed in Sun Valley.
12. Street sweepers are cleaning the haul roads.
13. The admin facility and LEA offices are in good order.
14. No odors or leaks are present at the Alder tank farm.
15. The scales are in good order, with some potholes and ponding water at exit ramps from the water truck refilling tank.
16. A water truck is applying water for dust control to the main haul road as it exits the scales area.
17. Sediment basin B is dry and in good order, with some wind-blown trash present on steep slopes at back of basin.
18. A landfill gas odor is present at the bowl area southwest of basin B.
19. Flare 9 is operating at 2369 scfm, 1699 °F. Gas sample measured at 42 % Vol. CH4, 1.4 % Vol. O2, 64 ppm H2S and 289 ppm CO. Blowers 1, 2, 3, 4, 5 and 6 are operating. Gas inlet temperature is 139 °F.
20. Flare 10 is operating at 2397 scfm, 1652 °F. Gas inlet temperature is 138 °F.
21. Flare 11 is operating at 2354 scfm, 1648 °F. Gas inlet temperature is 142 °F.
22. The Sunshine Gas Producers facility is operating at 11,103 scfm.
23. No gas odors are present at outlet flange of blower 5 or 6.
24. Traffic spotters are onsite to control traffic.
25. Perimeter drainage channel at flare pad is in good order.
26. Secondary access road is in good order, with perimeter gate propped open.
27. The County sage mitigation slopes are dormant in the summer heat.
28. The County top deck is in good order, with soil being excavated for daily cover material.
29. Flare 3 is offline.
30. Water trucks are applying water to site for dust control.
31. Sediment basin A is in good order. Wind-blown trash is present along back slopes.

32. Cell CC-4 Part 3 working area is in good order; the ADC is 30% covered with new trash at 11:20 am. Two tippers are active.
33. Cell CC-4 Part 4A is in good order, with moving floor trucks and packer trucks unloading, and two tippers active. The ADC is 70% covered with new trash at 11:30 am.
34. Observed excavation work for the new Cell CC-4 Part 4B. Slopes on the east end are wet with moisture.
35. The closure turf at the City north slopes along the main haul road is in good order.
36. The City deck B sage mitigation area is in good order, dormant in the summer heat.
37. Flare 1 is operating at 2067 scfm, 1643 °F. Gas sample measured at 33 % Vol. CH4, 1.0 % Vol. O2, 100 ppm H2S and 270 ppm CO. Gas inlet temperature is 138 °F. No odors are present.
38. Bird abatement is active for the working areas.
39. The City deck C sage mitigation area is in good order.
40. Water misters are operating along the PM-10 berm for odor and dust control.
41. The PM-10 berm oak trees are dormant in the summer heat.
42. The terminal basin is in good order, with one pile of sediment remaining for removal.
43. Checked out of office with Chris Coyle via phone.

FURTHER REVIEW NEEDED

1. Remove wind-blown trash and debris along Foothill Boulevard.
2. Eliminate potholes at scales' exit ramps.
3. Eliminate uncontrolled water spills at water truck fill station near scales.
4. Close and lock perimeter access road gate.
5. Remove wind-blown trash and debris on flat areas at back of Basin A.

Signed: Michael W. Lindsay

SUNSHINE CANYON LANDFILL

MITIGATION MONITORING
SITE REPORT

Monitor: Tarik Hadj-Hamou, Ph.D., P.E.	PAGE 1 OF 9
Discipline: Civil – Geotechnical and Hydrology	Date: September 14, 2021
Site Conditions: Sunny and warm	

SITE LOG

8:00

- 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.
- Sign-up at landfill by phone (Mike Lindsay)
- Meet with Edgar De La Torre and Diana Gonzalez of L.A. County)

8:30– 1:30 Site inspection

- Tour of landfill
- Access Roads
- Waste placement
- Drainage systems (Basins, channels)
- Erosion protection system
- Grading work for new access road/berm
- Landfill for geotechnical and hydrological issues
- Other observations

Access Roads

- Main access road: No stability concerns
- Waste depression on upslope along access road to old administration pad appears to have settle since our last visit. Fill removal was on-going a the time of our visit (Photo 1)

Waste Placement

- Two waste faces in operation
  - on top of Cell CC4 Phase 2-3 with 2 Tilters set-up (Photo 2)
  - in cell CC4 Phase 4 with 2 Tilters set-up (Photo 3)
- Interim cover material was used at both locations (Photos 2 and 3)

Drainage System

- Terminal Basin
  - Completely clean (Photo 4)
  - Portion of the concrete wall (Photo 5) and floor has been removed exposing soil.
- Cell CC3 Earthen basin
  - Clean
- Basin B
  - Basin is clean
  - Vegetation is growing in crack on concrete wall (Photo 6)
- Basin D
  - Basin is clean and available for water storage
  - Vegetation is growing in crack on spillway to the west drainage channel as noted previously
- Basin A
  - Basin is clean

• Perimeter channels and ditches – Vegetation is growing though cracks and joints along portions of the channels and ditches (Photo 7).
Erosion Protection Systems • No issues (gullies, sloughing) observed
Grading work for new access road/berm • No construction activities on day of visit • Portion of fill needed between the existing road and the connection to the oil Road is in place including the fill above San Fernando Road (Photo 8) • The new stormwater basin is graded (Photo 9) • No potential geotechnical issues (sloughing, cracks, out of plane sliding) were observed
Landfill for geotechnical and hydrological issues • none
Other observations • Fill removal on the deck of Phase 4-3 has resulted in numerous excavated areas that could retain water and result in infiltration into the waste mass (Photo 10).
FURTHER REVIEW NEEDED
• N/A
COMMENTS
• Exposed soil on slopes of terminal basin (Photo 5) may need to be protected by rainy season time • The watershed to the terminal basin has increased with the addition of the new access road. Furthermore the size of basin will be reduced. Was a new hydrology analyses conduced? • What is the pan to address the excavated areas on Phase 4-3
Signed: 

Photo 1 : Waste slope above old administration pad

Photo 2: Waste disposal on top of Cell CC4 Phase 3

Photo 3: Waste disposal on top of Cell CC4 Phase 4

Photo 4: Clean Terminal basin

Photo 5: Exposed soil slope at terminal basin

Photo 6: Vegetation growing in cracks at Basin B wall

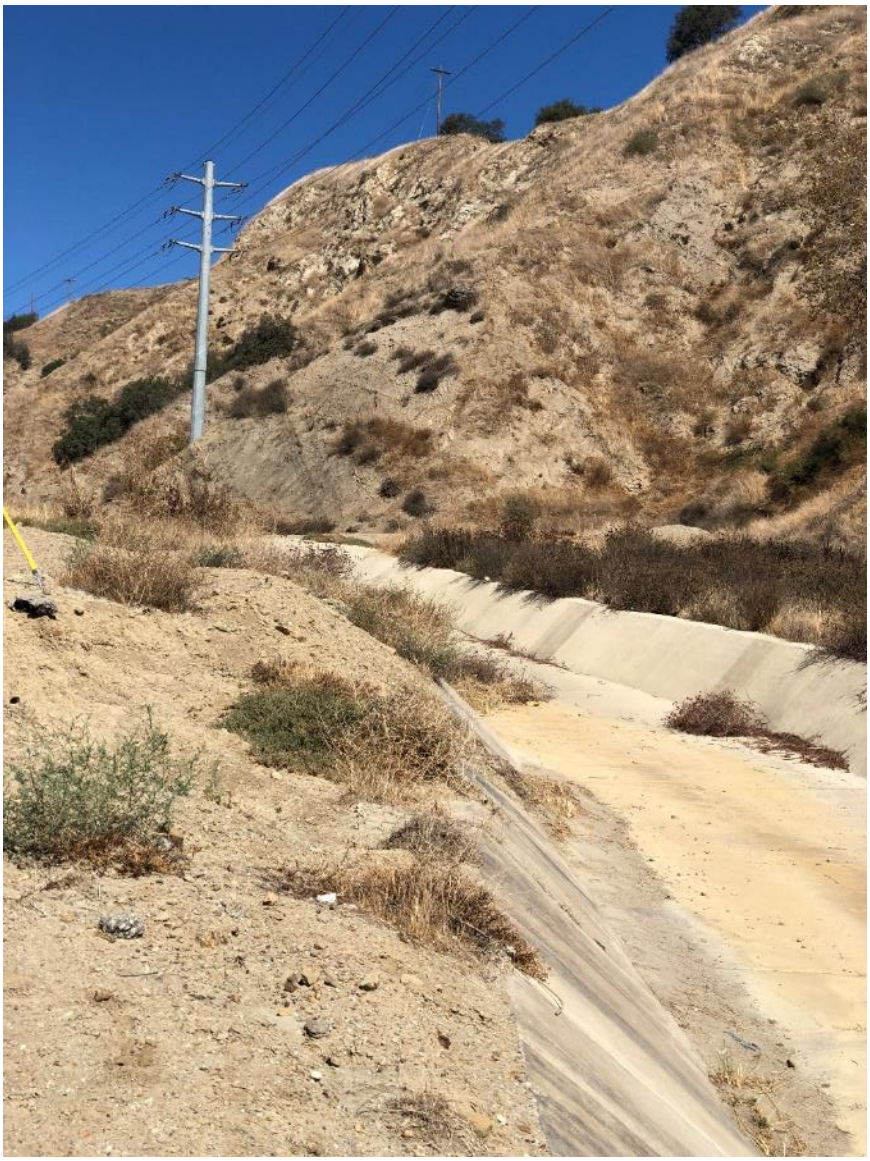

Photo 7: Bush growing between side and bottom slab along ditch

Photo 8: Embankment facing San Fernando Road

Photo 9: New sedimentation basin on new access road

Photo 10: Excavated areas on deck of Phase 4-3