

**Sunshine Canyon Landfill
Independent Monitor
Quarterly Site Monitoring Status Report
January 1, 2021 – March 31, 2021**

Prepared For:

City of Los Angeles Department of City Planning

And

County of Los Angeles Department of Regional Planning



Prepared By:



16431 Scientific Way
Irvine, California 92618

Prepared On:

July 12, 2021

CERTIFICATION STATEMENT

July 12, 2021

The attached Quarterly Site Monitoring Status Report for the Sunshine Canyon Landfill dated July 12, 2021 is the First Quarterly Report for 2021, issued by UltraSystems. This report covers the monitoring period from January 1, 2021 through March 31, 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,



James T. Aidukas

Project Manager

Contents

Quarterly Status Report.....	1
Site Visits During the Quarter.....	2
Definition of Terms.....	2
Status Summary	2
Compliant.....	2
Non-Compliant	3
Further Review Needed.....	3
Additional Site Procedures for COVID-19	17
Summary of Requested Documents.....	17
Conclusions	21

Sunshine Canyon Landfill City Mitigation Monitoring Summary
(see spreadsheet)

Sunshine Canyon Landfill County Mitigation Monitoring Summary
(see spreadsheet)

Appendices

Appendix I	Further Review Needed Comments: Reference I-a through I-c
Appendix II	Photo Location Map and Relevant Site Photos
Appendix III	Sunshine Canyon Landfill COVID-19 Site Monitoring Procedures
Appendix IV	Quarterly Site Visits Attendees by Date and Mitigation Monitoring Site Reports

Quarterly Status Report

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

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

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

This Quarterly Report provides the City of Los Angeles Department of Planning and the County of Los Angeles Department of Regional Planning with a concise status of the Mitigation Measure Monitoring for the period of January 1, 2021 to March 31, 2021. It includes:

1. The City and County Mitigation Monitoring Summary spreadsheets for January 1, 2021 to March 31, 2021. These spreadsheets record the areas of monitoring completed and the status of being compliant during the first 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 1st 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 January through March 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 January through March 2021 quarter in order to observe operational site activities and determine compliant status with conditions and/or mitigation measures. They were performed on January 27, 2021; February 18, 2021; and March 31, 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 1st Quarter. Cell CC-4 Part 3 and CC-4 Part 4A were the only areas accepting waste during the 1st Quarter. ADC was being used at the active disposal areas. The LEA office was moved to the new offices site. The maintenance shop will be moved to the existing SCS shop area in July or August.

Q-C.3.h (City)

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

Current Status/Comments – In the 1st Quarter, localized dust clouds occurred on roads to and on the County top deck when waste hauling transfer and soil importation trucks used the dirt roads. Packer trucks using the top decks' roads from the scales to the active area also generated localized dust clouds. The greatest amount of dust was coming from the large dump trucks hauling cover soil to the active area. The dust was not observed leaving the site. A third water truck driver was hired in March. An increase in watering access roads is planned.

Q-C.5 (City)

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

Current Status/Comments – In the 1st Quarter, there was no graffiti observed at the landfill site.

Q-C.10.c (City)

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

Odor/Landfill Gas - 7.07 (County)

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

Gas - 52 (County)

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

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

Current Status/Comments – In late January, the gas-to-energy plant was using 8572 SCFM of recovered landfill gas. Flare 1: 2418 SCFM of recovered landfill gas, 31% CH₄, 1.5% O₂, 100 ppm H₂S; Flare 3: was not operating; Flare 9: 2478 SCFM; Flare 10: 2385 SCFM; Flare 11: 2403. The quality of the gas recovered was 41% CH₄, 1.1% O₂ and 76 ppm H₂S. The total volume of landfill gas being recovered was 18,256 SCFM.

In mid-February, the gas-to-energy plant was using 8384 SCFM of recovered landfill gas, 43% CH₄, 1.4% O₂, 81 ppm H₂S. Flare 1: 2331 SCFM, 32% CH₄, 1.0% O₂, 100 ppm H₂S; Flare 3: was not operating; Flare 9: 2460 SCFM; Flare 10: 2452 SCFM; Flare 11: 2499 SCFM. The total volume of landfill gas being recovered was 18,126 SCFM.

In late March, the gas-to-energy plant was using 8710 SCFM of recovered landfill gas, 45% CH₄, 1.7% O₂, 79 ppm H₂S. Flare 1: 1960 SCFM, 34% CH₄, 1.1% O₂, 100 ppm H₂S; Flare 3: was not operating; Flare 9: 2718 SCFM; Flare 10: 2759 SCFM; Flare 11: 2700 SCFM. The total volume of landfill gas being recovered was 18,847 SCFM.

The quantity of landfill gas being recovered during the 1st Quarter has a daily average of 18,410 SCFM, with the gas-to-energy plant usage averaging 8555 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. It is recommended that the local City fire department station personnel visit the site and be given the latest facility plot plan showing access roads and facilities. Key management personnel contacts should be provided to the City Fire Department.

M-4.1.1(2) (City)

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

M-4.1.1(4) (City)

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

M-4.1.1(5) (City)

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

M-4.1.5(12) (City)

Geologic Hazards - Liquefaction

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

M-4.14.1(155) (City)

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

Geology-1.07 (County)

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

Current Status/Comments – There was no grading outside of the approved landfill development limits during the 1st Quarter. Cell CC-4 Part 3 and CC-4 Part 4A were the only areas accepting waste. CC-4 Part 4A was limited to packer trucks. All buildings except the maintenance facility were moved to the new location. The maintenance facility will be moved in July or August.

M-4.1.4(11) (City)

An operations checklist shall be used by a registered engineering geologist for surveys following all earthquake events measuring 5.0 on the Richter Scale or greater near the project site. A comparison of operating parameters and site conditions before and after major earthquake events shall be made to verify that systems are operational as designed. Final designs for major engineered structures shall be based on the results of the detailed stability analyses of potential seismic events.

Geology-1.16 (County)

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

Current Status/Comments – There were no earthquakes of 5.0 magnitude or greater in the area during the 1st Quarter.

M-4.1.1(6) (City)

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

M-4.2.11(23) (City)

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

M-4.2.12 (28) (City)

Site Erosion

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

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

Geology-1.13 (County)

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

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

Geology-1.14 (County)

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

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

Biota – 4.42 (County)

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

Air Quality - 6.02 (County)

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

Visual-10.08 (County)

Cover/Revegetation Requirements

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

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

Revegetation Requirements

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

(1) would better protect public health and safety;

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

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

Biota - Revegetation - 44.A (County)

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

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

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

Current Status/Comments – During the 1st Quarter, Closure Turf was being maintained, and gas and liquids recovery systems under the turf were performing well. This cover material was in lieu of vegetation on the south-facing slopes, and controlled and eliminated dust and erosion. Other areas of the landfill that were previously hydroseeded had germinated and were growing. The soil stockpiled on the County top deck adjacent to Cell CC4 Part 3 was being used for cover, site improvements and operations.

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 re-abandoned. An evaluation of the need to re-abandon 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 application of the cover material to seal the landfill surface, or adjustments to the wells, equipment, and operation of the LFG collection and recover system.

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

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

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

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

Amendment 45.N - 5 (County)

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

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

On our random days of site visits during the 1st Quarter, no landfill odors were detected in the adjacent neighborhoods. There were no NOVs in the 1st Quarter. A localized gas odor was detected at the Blower 5 outlet flange at the Flare 9–11 site. Special repair parts were on order. There were no other gas or liquids odors detected. An odor neutralizer solution was added, when needed, to the water trucks' water to avoid odors from the roads and active area on hot and adverse wind days.

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 start of the construction of the final toe berm and main access road realignment project started in March. 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 drainage improvements. The design plans are in for City permit approval.

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.

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 1st 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 basins shall be monitored in accordance with NPDES requirements. Sediment shall be cleaned out of the sedimentation basins after every significant storm.

Current Status/Comments – All of the basins were dry and cleared of sediment in the 1st 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 1st Quarter, it was observed that vegetation was growing out of numerous cracks in the water retention basins and drainage conveyance channels' concrete. There were areas of the channels and basins that needed the growing vegetation to be removed, and repair of the concrete and sealing of cracks. Republic staff stated that these clean-up and maintenance tasks are put on the monthly preventative maintenance program work list and will be done by October 1st. The broken concrete v-ditch in the Flare 9–11 site was repaired.

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 nor the sewer connection during the 1st Quarter. Tank farm liquids were being treated with 30% hydrogen peroxide at the tank farm and at the sewer connection.

M-4.4.1(60) (City)

Venturan Coastal Sage Scrub

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

Biota - 4.27 (County)

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

Current Status/Comments – During the 1st Quarter, sage mitigation areas decks B and C were being maintained by the removal of non-native vegetation. Native vegetation was recovering from the Saddleridge Fire and doing well. The fire's impact to the PM-10 oak trees was being evaluated. 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 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-gallon container trees. Mitigation trees shall be planted prior to impacted trees being removed, thus allowing trees to grow to specimen size in the field. A specimen-size tree shall be defined as a 15-gallon tree with a minimum trunk caliper of 1-inch measured 1-foot above ground. All mitigation trees shall be specimen size within 1 year after tree removal.

Biota - 4.10 (County)

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

Current Status/Comments – An updated mitigation tree report evaluating the impacts of the Saddleridge Fire and other impacts was being prepared. The number and type of trees that will need to be replaced will be addressed in the report. Site monitors observed 42 dead mature PM-10 oak trees. A mitigation tree replacement plan, scope and schedule has not been developed.

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 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 in 2020 and 2021. Since the COVID-19 pandemic, progress has been suspended. The delay in the issuance of the City ordinance is delaying any progress. 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 are pending, waiting for action on the ordinance.

M-4.9.3(110) (City)

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

Current Status/Comments – During the 1st Quarter site visits, Sierra Highway and the adjacent neighborhood were cleared of any illegally dumped waste and any litter.

M-4.9.4(125) (City)

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

Current Status/Comments – During the 1st Quarter of 2021, the south oil field gate and north perimeter gate were observed to be unlocked in February and March.

M-4.19.2(191) (City)

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

Ecological Significance 62 (County)

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

Current Status/Comments – During the 1st Quarter, the only grading in native undisturbed areas that required paleontological monitoring was in the southeast canyon for 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 1st 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. 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.

- 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 1st Quarter Mitigation Monitoring Summary spreadsheets track the progress and completion of tasks as they were accomplished during this quarterly period.

Sunshine Canyon Landfill City Mitigation Monitoring Summary

(01-01-2021 through 03-31-2021)

Line #	Reference #	Mitigation #	City Mitigation Measures and Conditions Monitored by Discipline	Monitoring Frequency	Fourth Quarter 2020												First Quarter 2021											
					10/20/2020	Status*	Further Review Needed/Comments**	Resolved*	11/30/2020	Status*	Further Review Needed/Comments**	Resolved*	12/16/2020	Status*	Further Review Needed/Comments**	Resolved*	1/27/2021	Status*	Further Review Needed/Comments**	Resolved*	2/18/2021	Status*	Further Review Needed/Comments**	Resolved*	3/31/2021	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	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
9	Q - B.2.c.		Ancillary Uses and Facilities	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
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-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
18	Q - C.5.		Graffiti Removal and Deterrence	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
19	Q - C.10.c.		Evaluation of Beneficial Gas Usage	June yearly	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
20	Q - C.10.d. (1)		Alternative Fuel Vehicles	status																								
21	Q - C.10.d. (2)		Alternative Fuel Refuse Collection Trucks	status																								

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

** See Appendix I for Comments

Checkmark = Condition or mitigation was monitored

/ = Yearly or non-ongoing monitoring frequency

Sunshine Canyon Landfill City Mitigation Monitoring Summary

(01-01-2021 through 03-31-2021)

Line #	Reference #	Mitigation #	City Mitigation Measures and Conditions Monitored by Discipline	Monitoring Frequency	Fourth Quarter 2020												First Quarter 2021											
					10/20/2020	Status*	Further Review Needed/Comments**	Resolved*	11/30/2020	Status*	Further Review Needed/Comments**	Resolved*	12/16/2020	Status*	Further Review Needed/Comments**	Resolved*	1/27/2021	Status*	Further Review Needed/Comments**	Resolved*	2/18/2021	Status*	Further Review Needed/Comments**	Resolved*	3/31/2021	Status*	Further Review Needed/Comments**	Resolved*
22	Q - C.12.a.		Technical Advisory Committee	info	/				/				/				/				/				/			
23	Q - C.12.c.		Contract for Mitigation Monitoring	info	/				/				/				/				/				/			
24	Q - C.12.c.		Contract for Mitigation Monitoring-5 years	info	/				/				/				/				/				/			
25																												
26	T - 4		Fire Plan	status	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
27	T - 5.j.		Trip Diversion	status	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
28	T - 6		Satisfactory Street Lighting	status	/				/				/				/				/				/			
29																												
30	M - 4.1.1	7	Reabandonment Procedures	status	✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-a		✓	C	I-b		✓	C	I-c	
31	M - 4.1.4	11	Post-5.0 Earthquake Analysis	upon event	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
32	M - 4.2.12	27	Heavy Equipment Operations	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
33	M - 4.2.12		Heavy Equipment Operations	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
34	M - 4.2.12	28	Site Erosion-Cover	ongoing	✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	NONE		✓	C	NONE		✓	C	NONE	
35	M - 4.2.12		Site Erosion-Cell Height	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
36	M - 4.2.12		Site Erosion-Sealant	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
37	M - 4.2.13	29	LFG Control Measures	ongoing	/		I-j		/		I-k		/		I-l		/		I-a		/		I-b		/		I-c	
38	M - 4.2.13	30	Operational Odor Control Techniques	ongoing	/		I-j		/		I-k		/		I-l		/		I-a		/		I-b		/		I-c	
39	M - 4.2.13	31	Solid Waste Compaction	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
40	M - 4.2.13	32	LFG Collection and Recovery System	ongoing	/		I-j		/		I-k		/		I-l		/		I-a		/		I-b		/		I-c	
41	M - 4.2.13	33	Odor Control Measures	ongoing	✓	FRN	NONE		✓	FRN	NONE		✓	FRN	NONE		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	

* 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

(01-01-2021 through 03-31-2021)

Line #	Reference #	Mitigation #	City Mitigation Measures and Conditions Monitored by Discipline	Monitoring Frequency	Fourth Quarter 2020												First Quarter 2021											
					10/20/2020	Status*	Further Review Needed/Comments**	Resolved*	11/30/2020	Status*	Further Review Needed/Comments**	Resolved*	12/16/2020	Status*	Further Review Needed/Comments**	Resolved*	1/27/2021	Status*	Further Review Needed/Comments**	Resolved*	2/18/2021	Status*	Further Review Needed/Comments**	Resolved*	3/31/2021	Status*	Further Review Needed/Comments**	Resolved*
42	M - 4.2.13	34	Odor/LFG Monitoring	ongoing	/		I-j		/		I-k		/		I-l		/		I-a		/		I-b		/		I-c	
43			Periodic LFG Monitoring		/		I-j		/		I-k		/		I-l		/		I-a		/		I-b		/		I-c	
44	M - 4.3.2	52	LFG Migration Mitigation	ongoing	/	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-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
47	M - 4.4.2	70	Purchasing Wetland Credit	status	/				/				/				/				/				/			
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	NONE		✓	FRN	NONE		✓	FRN	NONE		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
53	M - 4.9.3	108	Vehicle Tarping Requirements	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
54	M - 4.9.3	109	Periodic Offsite Litter Pickup	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
55	M - 4.9.3	110	Illegal Dumping Activities	ongoing	✓	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		✓	C	NONE		✓	C	NONE		✓	C	NONE	
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	

* 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

(01-01-2021 through 03-31-2021)

Line #	Reference #	Mitigation #	City Mitigation Measures and Conditions Monitored by Discipline	Monitoring Frequency	Fourth Quarter 2020												First Quarter 2021											
					10/20/2020	Status*	Further Review Needed/Comments**	Resolved*	11/30/2020	Status*	Further Review Needed/Comments**	Resolved*	12/16/2020	Status*	Further Review Needed/Comments**	Resolved*	1/27/2021	Status*	Further Review Needed/Comments**	Resolved*	2/18/2021	Status*	Further Review Needed/Comments**	Resolved*	3/31/2021	Status*	Further Review Needed/Comments**	Resolved*
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	NONE		✓	FRN	NONE		✓	FRN	NONE	
72	M - 4.1.2	8	Landslide Guidelines	ongoing	✓	FRN	NONE		✓	FRN	NONE		✓	FRN	NONE		✓	FRN	NONE		✓	FRN	NONE		✓	FRN	NONE	
73	M - 4.1.2	9	Soil Stabilization	ongoing																								
74	M - 4.1.4	10	Landfill Design	ongoing																								
75	M - 4.1.4	11	Earthquake Operations Checklist	upon event	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
76	M - 4.1.5	12	Geologic Hazards - Liquefaction	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
77	M - 4.1.5	13	Design/Construction-Liquefaction	ongoing																								
78	M - 4.1.5	14	Design/Construction-Containment Structures	ongoing																								
79	M - 4.1.6	15	Refuse Slope Gradients	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
80	M - 4.1.6	16	Cut and Fill Slope Gradients	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
81	M - 4.1.6	17	Final Slope Factors of Safety	ongoing																								
82	M - 4.1.6	18	Survey Monuments	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
83	M - 4.3.2	47	Landfill Liner	ongoing																								

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

** See Appendix I for Comments

Checkmark = Condition or mitigation was monitored

/ = Yearly or non-ongoing monitoring frequency

Sunshine Canyon Landfill City Mitigation Monitoring Summary

(01-01-2021 through 03-31-2021)

Line #	Reference #	Mitigation #	City Mitigation Measures and Conditions Monitored by Discipline	Monitoring Frequency	Fourth Quarter 2020												First Quarter 2021											
					10/20/2020	Status*	Further Review Needed/Comments**	Resolved*	11/30/2020	Status*	Further Review Needed/Comments**	Resolved*	12/16/2020	Status*	Further Review Needed/Comments**	Resolved*	1/27/2021	Status*	Further Review Needed/Comments**	Resolved*	2/18/2021	Status*	Further Review Needed/Comments**	Resolved*	3/31/2021	Status*	Further Review Needed/Comments**	Resolved*
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	NONE		✓	FRN	NONE		✓	FRN	NONE		✓	FRN	NONE		✓	FRN	NONE		✓	FRN	NONE	
89	M - 4.18	178	Landfill Elevation Exceedance	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
90																												
91	Hydrologist																											
92																												
93																												
94	M - 4.1.4	11	Earthquake Operations Checklist	upon event	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
95	M - 4.3.1	36	Surface Water Infiltration Minimization	ongoing																								
96	M - 4.3.1	37	Surface Drainage Systems	ongoing	✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-a		✓	C	I-b		✓	C	I-c	
97	M - 4.3.1	38	Permanent/Temporary Ditches	ongoing	✓	C	I-j		✓	C	I-k		✓	FRN	I-l		✓	C	I-a		✓	C	I-b		✓	FRN	I-c	
98	M - 4.3.1	39	Drainage Protection	ongoing	✓	C	I-j		✓	C	I-k		✓	FRN	I-l		✓	C	I-a		✓	C	I-b		✓	FRN	I-c	
99	M - 4.3.1	40	SWRCB Permit Coverage	ongoing	✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-a		✓	C	I-b		✓	C	I-c	
100	M - 4.3.1	41	Surface Water Collection System	ongoing																								
101	M - 4.3.1	42	Surface Water Quality Monitoring	ongoing																								
102	M - 4.3.1	43	Sediment Basin Maintenance	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
103	M - 4.3.1	44	Final Landfill Cover	ongoing																								
104	M - 4.3.1	45	Erosion Control Plan	ongoing	✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-a		✓	C	I-b		✓	C	I-c	
105	M - 4.3.1	46	Preventive Maintenance Program	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	

* 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

(01-01-2021 through 03-31-2021)

Line #	Reference #	Mitigation #	City Mitigation Measures and Conditions Monitored by Discipline	Monitoring Frequency	Fourth Quarter 2020												First Quarter 2021											
					10/20/2020	Status*	Further Review Needed/Comments**	Resolved*	11/30/2020	Status*	Further Review Needed/Comments**	Resolved*	12/16/2020	Status*	Further Review Needed/Comments**	Resolved*	1/27/2021	Status*	Further Review Needed/Comments**	Resolved*	2/18/2021	Status*	Further Review Needed/Comments**	Resolved*	3/31/2021	Status*	Further Review Needed/Comments**	Resolved*
106	M - 4.3.2	49	Interception of Groundwater Seepage	ongoing																								
107	M - 4.3.2	50	LCRS/Leachate Monitoring	ongoing	✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-a		✓	C	I-b		✓	C	I-c	
108	M - 4.3.2	51	LCRS Monitoring	ongoing																								
109																												
110	Biologist																											
111																												
112																												
113	M - 4.1.1	6	Slope Erosion Control	ongoing	✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-a		✓	C	I-b		✓	C	I-c	
114	M - 4.2.11	23	Revegetation/Excavation	ongoing	✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-a		✓	C	I-b		✓	C	I-c	
115	M - 4.2.12		Temporary Vegetation Cover	ongoing	✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-a		✓	C	I-b		✓	C	I-c	
116	M - 4.4.1	60	Coastal Sage Scrub Mitigation Plan	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
117	M - 4.4.1	61	Coastal Sage Scrub Seeding	ongoing																								
118	M - 4.4.1	62	Mariposa Lily Mitigation Plan	ongoing	/				/				/				/				/				/			
119	M - 4.4.1	63	San Diego Horned Lizard Mitigation	ongoing	/				/				/				/				/				/			
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-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
126	M - 4.4.3	73	Nonnative Tree Mitigation	status	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
127	M - 4.4.3	74	Mitigation Tree Planting	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	

* 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

(01-01-2021 through 03-31-2021)

Line #	Reference #	Mitigation #	City Mitigation Measures and Conditions Monitored by Discipline	Monitoring Frequency	Fourth Quarter 2020												First Quarter 2021											
					10/20/2020	Status*	Further Review Needed/Comments**	Resolved*	11/30/2020	Status*	Further Review Needed/Comments**	Resolved*	12/16/2020	Status*	Further Review Needed/Comments**	Resolved*	1/27/2021	Status*	Further Review Needed/Comments**	Resolved*	2/18/2021	Status*	Further Review Needed/Comments**	Resolved*	3/31/2021	Status*	Further Review Needed/Comments**	Resolved*
128	M - 4.4.3	75	Tree Planting Mitigation Site Prep	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
129	M - 4.4.3	76	Poultry Wire Screen	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
130	M - 4.4.3	77	Backfill Material	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
131	M - 4.4.3	78	Tree Planting Procedure	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
132	M - 4.4.3	79	Tree Area Mulching	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
133	M - 4.4.3	80	Tree Irrigation/Fertilization	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
134	M - 4.4.3	81	Irrigation System	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
135	M - 4.4.3	82	Annual Tree Monitoring Report	annual	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
136	M - 4.9.2	96	Vector Activity Monitoring	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
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																												

* 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

(01-01-2021 through 03-31-2021)

Line #	Reference #	Mitigation #	City Mitigation Measures and Conditions Monitored by Discipline	Monitoring Frequency	Fourth Quarter 2020												First Quarter 2021											
					10/20/2020	Status*	Further Review Needed/Comments**	Resolved*	11/30/2020	Status*	Further Review Needed/Comments**	Resolved*	12/16/2020	Status*	Further Review Needed/Comments**	Resolved*	1/27/2021	Status*	Further Review Needed/Comments**	Resolved*	2/18/2021	Status*	Further Review Needed/Comments**	Resolved*	3/31/2021	Status*	Further Review Needed/Comments**	Resolved*
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																											

* 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

(01-01-2021 through 03-31-2021)

Line #	Reference #	Mitigation #	City Mitigation Measures and Conditions Monitored by Discipline	Monitoring Frequency	Fourth Quarter 2020												First Quarter 2021											
					10/20/2020	Status*	Further Review Needed/Comments**	Resolved*	11/30/2020	Status*	Further Review Needed/Comments**	Resolved*	12/16/2020	Status*	Further Review Needed/Comments**	Resolved*	1/27/2021	Status*	Further Review Needed/Comments**	Resolved*	2/18/2021	Status*	Further Review Needed/Comments**	Resolved*	3/31/2021	Status*	Further Review Needed/Comments**	Resolved*
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-j		✓	C	I-k		✓	C	I-l		✓	C	I-a		✓	C	I-b		✓	C	I-c	
183	M - 4.9.4	123	Personal Protective Equipment	ongoing																								
184	M - 4.9.4	125	Site Access/Fencing	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
185	M - 4.14.1	147	Fire Response Capabilities	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
186	M - 4.14.1	148	Hydrant Installation	ongoing																								
187																												
188	Archaeologist																											
189																												
190																												
191	M - 4.19.1	183	Archaeological Resurvey	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
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	

* 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 (01-01-2021 through 03-31-2021)

Line #	Reference #	Mitigation #	City Mitigation Measures and Conditions Monitored by Discipline	Monitoring Frequency	Fourth Quarter 2020												First Quarter 2021											
					10/20/2020	Status*	Further Review Needed/Comments**	Resolved*	11/30/2020	Status*	Further Review Needed/Comments**	Resolved*	12/16/2020	Status*	Further Review Needed/Comments**	Resolved*	1/27/2021	Status*	Further Review Needed/Comments**	Resolved*	2/18/2021	Status*	Further Review Needed/Comments**	Resolved*	3/31/2021	Status*	Further Review Needed/Comments**	Resolved*
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		/	NA	NONE		/	NA	NONE		/	NA	NONE	
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	✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-a		✓	C	I-b		✓	C	I-c	

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

** See Appendix I for Comments

Checkmark = Condition or mitigation was monitored

/ = Yearly or non-ongoing monitoring frequency

Sunshine Canyon Landfill County Mitigation Monitoring Summary

(01-01-2021 through 03-31-2021)

Line #	Reference #	Mitigation #	County Mitigation Measures and Conditions Monitored by Discipline	Monitoring Frequency	Fourth Quarter 2020												First Quarter 2021											
					10/20/2020	Status*	Further Review Needed/Comments**	Resolved*	11/30/2020	Status*	Further Review Needed/Comments**	Resolved*	12/16/2020	Status*	Further Review Needed/Comments**	Resolved*	1/27/2021	Status*	Further Review Needed/Comments**	Resolved*	2/18/2021	Status*	Further Review Needed/Comments**	Resolved*	3/31/2021	Status*	Further Review Needed/Comments**	Resolved*
1	Project Manager																											
2																												
3																												
4	Amendment 45.N - 1	45N	Daily Cover Materials	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
5	Amendment 45.N - 3	45N	Daily Cover Procedure	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
6	Amendment 45.N - 4.a	45N	Order for Abatement Status	ongoing	/		I-j		/		I-k		/		I-l		/		I-a		/		I-b		/		I-c	
7	Amendment 45.N - 4.c	45N	Odor Patrol Program	ongoing	/		I-j		/		I-k		/		I-l		/		I-a		/		I-b		/		I-c	
8	Amendment 45.N - 4.d	45N	Landfill Gas Mitigation Plan	ongoing	/		I-j		/		I-k		/		I-l		/		I-a		/		I-b		/		I-c	
9	Amendment 45.N - 5	45N	Dust and Odor Reports	ongoing	/		I-j		/		I-k		/		I-l		/		I-a		/		I-b		/		I-c	
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-j		✓	C	I-k		✓	C	I-l		✓	C	I-a		✓	C	I-b		✓	C	I-c	
16	Fugitive Dust - 45.B	45.B	Working Face Areas	ongoing	✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-a		✓	C	I-b		✓	C	I-c	
17	Fugitive Dust - 45.F	45.F	Inactive Areas Monitoring	ongoing	✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-a		✓	C	I-b		✓	C	I-c	
18	Fugitive Dust - 45.I	45.I	Cleaning of Roads	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
19	Litter Control - 46.A - .D	46A-D	Litter Control Program	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
20	Gas - 52	52	Landfill Gas Collection System	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
21	Traffic - 57	57	Traffic Improvements	status	✓	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	/				/				/				/				/				/			

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

** See Appendix I for Comments

Checkmark = Condition or mitigation was monitored

/ = Yearly or non-ongoing monitoring frequency

Sunshine Canyon Landfill County Mitigation Monitoring Summary

(01-01-2021 through 03-31-2021)

Line #	Reference #	Mitigation #	County Mitigation Measures and Conditions Monitored by Discipline	Monitoring Frequency	Fourth Quarter 2020												First Quarter 2021											
					10/20/2020	Status*	Further Review Needed/Comments**	Resolved*	11/30/2020	Status*	Further Review Needed/Comments**	Resolved*	12/16/2020	Status*	Further Review Needed/Comments**	Resolved*	1/27/2021	Status*	Further Review Needed/Comments**	Resolved*	2/18/2021	Status*	Further Review Needed/Comments**	Resolved*	3/31/2021	Status*	Further Review Needed/Comments**	Resolved*
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	NONE		✓	FRN	NONE		✓	FRN	NONE	
29	Alternative Fuel Vehicles - 77.B	77.B	Alternative Fuel Vehicles-Refuse/Collection Trucks	status	✓	FRN	NONE		✓	FRN	NONE		✓	FRN	NONE		✓	FRN	NONE		✓	FRN	NONE		✓	FRN	NONE	
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-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	

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

** See Appendix I for Comments

Checkmark = Condition or mitigation was monitored

/ = Yearly or non-ongoing monitoring frequency

Sunshine Canyon Landfill County Mitigation Monitoring Summary

(01-01-2021 through 03-31-2021)

Line #	Reference #	Mitigation #	County Mitigation Measures and Conditions Monitored by Discipline	Monitoring Frequency	Fourth Quarter 2020												First Quarter 2021											
					10/20/2020	Status*	Further Review Needed/Comments**	Resolved*	11/30/2020	Status*	Further Review Needed/Comments**	Resolved*	12/16/2020	Status*	Further Review Needed/Comments**	Resolved*	1/27/2021	Status*	Further Review Needed/Comments**	Resolved*	2/18/2021	Status*	Further Review Needed/Comments**	Resolved*	3/31/2021	Status*	Further Review Needed/Comments**	Resolved*
47	Groundwater - 3.13		Groundwater-LFG Migration Mitigation	ongoing																								
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		
51	BIOTA – 4.07		Buffer Zone Maintenance-Vegetation	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C		
52	BIOTA – 4.08		Ridgeline Maintenance-Remain Undisturbed	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C		
53	BIOTA – 4.47		Cleaning of Equipment	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C		
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		
56	BIOTA – 4.50		Vector Activity Monitoring	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C		
57	Air Quality - 6.03		Dust Emission Minimization	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN		
58	Air Quality - 6.04		Usage of Cut Material for Cover	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C		
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	NONE		✓	FRN	NONE		✓	FRN		
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																								

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

** See Appendix I for Comments

Checkmark = Condition or mitigation was monitored

/ = Yearly or non-ongoing monitoring frequency

Sunshine Canyon Landfill County Mitigation Monitoring Summary

(01-01-2021 through 03-31-2021)

Line #	Reference #	Mitigation #	County Mitigation Measures and Conditions Monitored by Discipline	Monitoring Frequency	Fourth Quarter 2020												First Quarter 2021											
					10/20/2020	Status*	Further Review Needed/Comments**	Resolved*	11/30/2020	Status*	Further Review Needed/Comments**	Resolved*	12/16/2020	Status*	Further Review Needed/Comments**	Resolved*	1/27/2021	Status*	Further Review Needed/Comments**	Resolved*	2/18/2021	Status*	Further Review Needed/Comments**	Resolved*	3/31/2021	Status*	Further Review Needed/Comments**	Resolved*
69	Air Quality - 6.11		Non-Diesel, Alternative Fuel Vehicles Truck Trips	status																								
70	Air Quality - 6.11		Clean Fuel Demonstration Program	status																								
71	Air Quality - 6.11		Compliance Evaluation	status																								
72	Odor/Landfill Gas – 7.01		Landfill Gas Escape Prevention	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
73	Odor/Landfill Gas – 7.02		Landfill Gas Collection System	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
74	Odor/Landfill Gas – 7.04		Gas Collection/Flare System Risk Mitigation	ongoing																								
75	Odor/Landfill Gas – 7.05		Wellhead Awareness	status	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
76	Odor/Landfill Gas – 7.06		Odor Control Measures	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
77	Odor/Landfill Gas – 7.07		Gas Recovery and Sale	status	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
78	Traffic/Circulation – 8.03		Street Light Installation	status	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	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		✓	C	NONE		✓	C	NONE		✓	C	NONE	
90	Visual – 10.11		Litter Control-Fencing	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
91	Visual – 10.11		Periodic Litter Pickup	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	

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

** See Appendix I for Comments

Checkmark = Condition or mitigation was monitored

/ = Yearly or non-ongoing monitoring frequency

Sunshine Canyon Landfill County Mitigation Monitoring Summary

(01-01-2021 through 03-31-2021)

Line #	Reference #	Mitigation #	County Mitigation Measures and Conditions Monitored by Discipline	Monitoring Frequency	Fourth Quarter 2020												First Quarter 2021											
					10/20/2020	Status*	Further Review Needed/Comments**	Resolved*	11/30/2020	Status*	Further Review Needed/Comments**	Resolved*	12/16/2020	Status*	Further Review Needed/Comments**	Resolved*	1/27/2021	Status*	Further Review Needed/Comments**	Resolved*	2/18/2021	Status*	Further Review Needed/Comments**	Resolved*	3/31/2021	Status*	Further Review Needed/Comments**	Resolved*
92	Visual – 10.11		Litter Control-Additional Measures	ongoing																								
93	Visual – 10.12		Discharge Control/Litter Recovery	status																								
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-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
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																								

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

** See Appendix I for Comments

Checkmark = Condition or mitigation was monitored

/ = Yearly or non-ongoing monitoring frequency

Sunshine Canyon Landfill County Mitigation Monitoring Summary

(01-01-2021 through 03-31-2021)

Line #	Reference #	Mitigation #	County Mitigation Measures and Conditions Monitored by Discipline	Monitoring Frequency	Fourth Quarter 2020												First Quarter 2021											
					10/20/2020	Status*	Further Review Needed/Comments**	Resolved*	11/30/2020	Status*	Further Review Needed/Comments**	Resolved*	12/16/2020	Status*	Further Review Needed/Comments**	Resolved*	1/27/2021	Status*	Further Review Needed/Comments**	Resolved*	2/18/2021	Status*	Further Review Needed/Comments**	Resolved*	3/31/2021	Status*	Further Review Needed/Comments**	Resolved*
133	Geology - 1.06		Grading Activities Procedures	ongoing																								
134	Geology - 1.07		Grading Activities Procedures	ongoing	✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-a		✓	C	I-b		✓	C	I-c	
135	Geology - 1.09		Outer Perimeter Ridgeline Requirements	info																								
136	Geology - 1.12		Soil Stabilization	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
137	Geology - 1.16		Checklists/Surveys Following Earthquake	upon event	✓	NA	NONE		✓	NA	NONE		✓	NA	NONE		✓	NA	NONE		✓	NA	NONE		✓	NA	NONE	
138	Geology - 1.18		Alluvium-Removal/Replacement	ongoing																								
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		✓	C	NONE		✓	C	NONE		✓	C	NONE	
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-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
148	Visual – 10.02		Final Fill Elevations	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
149																												
150	Hydrologist																											
151																												
152																												
153	Grading & Drainage - 38	38	Installation of Drainage Structures	ongoing																								
154																												
155	Geology - 1.17		Landfill Design/Construction-Seismic	ongoing																								
156	Surface Water - 2.01		Surface Water Runoff Interception	ongoing																								

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

** See Appendix I for Comments

Checkmark = Condition or mitigation was monitored

/ = Yearly or non-ongoing monitoring frequency

Sunshine Canyon Landfill County Mitigation Monitoring Summary

(01-01-2021 through 03-31-2021)

Line #	Reference #	Mitigation #	County Mitigation Measures and Conditions Monitored by Discipline	Monitoring Frequency	Fourth Quarter 2020												First Quarter 2021											
					10/20/2020	Status*	Further Review Needed/Comments**	Resolved*	11/30/2020	Status*	Further Review Needed/Comments**	Resolved*	12/16/2020	Status*	Further Review Needed/Comments**	Resolved*	1/27/2021	Status*	Further Review Needed/Comments**	Resolved*	2/18/2021	Status*	Further Review Needed/Comments**	Resolved*	3/31/2021	Status*	Further Review Needed/Comments**	Resolved*
157	Surface Water - 2.02		Surface Water Runoff Collection	ongoing																								
158	Surface Water - 2.03		Surface Drainage Control-Maintenance	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
159	Surface Water - 2.04		Sedimentation Basin Capabilities	ongoing																								
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	✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-a		✓	C	I-b		✓	C	I-c	
164	Surface Water - 2.11		Surface Water Quality-Collection/Monitoring	ongoing																								
165	Surface Water - 2.12		Permanent/Temporary Drainage Facilities	ongoing	✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-a		✓	C	I-b		✓	C	I-c	
166	Surface Water - 2.13		Permanent/Temporary Drainage Facilities	ongoing																								
167	Surface Water - 2.14		Erosion Control Plan	ongoing	✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-a		✓	C	I-b		✓	C	I-c	
168	Groundwater - 3.03		Interception of Groundwater Seepage	ongoing																								
169	Groundwater - 3.06		Monitoring Wells	ongoing																								
170																												
171	Biologist																											
172																												
173																												
174	Revegetation - 44	44	Revegetation/Cover Requirements	ongoing																								
175	Revegetation - 44.A	44.A	Temporary Hydroseed Vegetation	ongoing	✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-a		✓	C	I-b		✓	C	I-c	
176	Revegetation - 44.B	44.B	Interim Reclamation/Revegetation Plan-Sold Waste	ongoing																								
177	Revegetation - 44.D	44.D	Final Fill Slope Requirements	ongoing																								
178	Revegetation - 44.E	44.E		ongoing																								
179																												
180	Geology - 1.13		Drainage Plan Approval	ongoing	✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-a		✓	C	I-b		✓	C	I-c	

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

** See Appendix I for Comments

Checkmark = Condition or mitigation was monitored

/ = Yearly or non-ongoing monitoring frequency

Sunshine Canyon Landfill County Mitigation Monitoring Summary

(01-01-2021 through 03-31-2021)

Line #	Reference #	Mitigation #	County Mitigation Measures and Conditions Monitored by Discipline	Monitoring Frequency	Fourth Quarter 2020												First Quarter 2021											
					10/20/2020	Status*	Further Review Needed/Comments**	Resolved*	11/30/2020	Status*	Further Review Needed/Comments**	Resolved*	12/16/2020	Status*	Further Review Needed/Comments**	Resolved*	1/27/2021	Status*	Further Review Needed/Comments**	Resolved*	2/18/2021	Status*	Further Review Needed/Comments**	Resolved*	3/31/2021	Status*	Further Review Needed/Comments**	Resolved*
181	Geology - 1.14		Personnel Retention for Monitoring Soil Erosion	ongoing	✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-a		✓	C	I-b		✓	C	I-c	
182	Groundwater - 3.11		Irrigation/Revegetation Management- Personnel Retention	ongoing																								
183	BIOTA – 4.10		Oak Tree Permit	ongoing	✓	C	NONE		✓	C	I-k		✓	C	I-l		✓	C	NONE		✓	C	I-b		✓	C	I-c	
184	BIOTA – 4.11		Oak Tree Mitigation Plan	ongoing	✓	C	NONE		✓	C	I-k		✓	C	I-l		✓	C	I-a		✓	C	I-b		✓	C	I-c	
185	BIOTA – 4.13		Oak Tree Mitigation Counting	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
186	BIOTA – 4.20		Poultry Wire Screen	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
187	BIOTA – 4.24		Drip Irrigation	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
188	BIOTA – 4.27		Coastal Sage Scrub Mitigation Plan	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
189	BIOTA – 4.28		Coastal Sage Scrub Seeding	ongoing																								
190	BIOTA – 4.29		San Diego Horned Lizard Mitigation	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
191	BIOTA – 4.30		California Gnatcatcher Surveys	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
192	BIOTA – 4.31		Least Bell's Vireo Surveys	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
193	BIOTA – 4.32		Western Burrowing Owl Surveys	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
194	BIOTA – 4.33		Migratory Bird Treaty Act	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
195	BIOTA – 4.34		Raptor Nests Habitat	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
196	BIOTA – 4.36		Personnel Retention for Monitoring Revegetation Plan	ongoing																								
197	BIOTA – 4.37		Personnel Retention for Monitoring Revegetation Plan, Onsite Plants	status																								
198	BIOTA – 4.38		Green Waste Material	ongoing																								
199	BIOTA – 4.39		Revegetation of Slopes/Fill Areas	ongoing																								
200	BIOTA – 4.41		Revegetation Plan-Replacement Cover	ongoing																								
201	BIOTA – 4.42		Interim Vegetation	ongoing	✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-a		✓	C	I-b		✓	C	I-c	
202	BIOTA – 4.43		Replacement Riparian Habitat	status	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
203	Air Quality - 6.02		Dust Control	ongoing	✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-a		✓	C	I-b		✓	C	I-c	
204	Visual – 10.06		Upper Ridge Planting/Revegetation	ongoing																								

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

** See Appendix I for Comments

Checkmark = Condition or mitigation was monitored

/ = Yearly or non-ongoing monitoring frequency

Sunshine Canyon Landfill County Mitigation Monitoring Summary

(01-01-2021 through 03-31-2021)

Line #	Reference #	Mitigation #	County Mitigation Measures and Conditions Monitored by Discipline	Monitoring Frequency	Fourth Quarter 2020												First Quarter 2021											
					10/20/2020	Status*	Further Review Needed/Comments**	Resolved*	11/30/2020	Status*	Further Review Needed/Comments**	Resolved*	12/16/2020	Status*	Further Review Needed/Comments**	Resolved*	1/27/2021	Status*	Further Review Needed/Comments**	Resolved*	2/18/2021	Status*	Further Review Needed/Comments**	Resolved*	3/31/2021	Status*	Further Review Needed/Comments**	Resolved*
205	Visual – 10.07		Tree Planting Around Perimeter	ongoing																								
206	Visual – 10.08		Cover/Revegetation Requirements	ongoing	✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-a		✓	C	I-b		✓	C	I-c	
207	Visual – 10.08		Solid Waste Disposal Procedures	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
208	Visual – 10.08		Final Cut Slope Steepness	ongoing	✓	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	✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-a		✓	C	I-b		✓	C	I-c	
220	Fugitive Dust - 45.I	45.I	Paved Roads-Cleaning	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
221	Fugitive Dust - 45.N	45.N	Report Submission-Dust/Odor	every quarter																								
222	Air Quality Monitoring - 81	81	Air Quality Monitoring-Tests	ongoing																								
223																												
224																												
225	Air Quality – 6.01		Fugitive Dust Aversion	ongoing	✓	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	

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

** See Appendix I for Comments

Checkmark = Condition or mitigation was monitored

/ = Yearly or non-ongoing monitoring frequency

Sunshine Canyon Landfill County Mitigation Monitoring Summary

(01-01-2021 through 03-31-2021)

Line #	Reference #	Mitigation #	County Mitigation Measures and Conditions Monitored by Discipline	Monitoring Frequency	Fourth Quarter 2020												First Quarter 2021											
					10/20/2020	Status*	Further Review Needed/Comments**	Resolved*	11/30/2020	Status*	Further Review Needed/Comments**	Resolved*	12/16/2020	Status*	Further Review Needed/Comments**	Resolved*	1/27/2021	Status*	Further Review Needed/Comments**	Resolved*	2/18/2021	Status*	Further Review Needed/Comments**	Resolved*	3/31/2021	Status*	Further Review Needed/Comments**	Resolved*
228	Air Quality – 6.01		Soil Stockpile Requirements	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
229	Air Quality – 6.01		Active Area Fill	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
230	Air Quality – 6.01		Soil Sealant	ongoing																								
231	Air Quality – 6.01		Dust Emissions-Road Maintenance	ongoing	✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-a		✓	C	I-b		✓	C	I-c	
232	Air Quality – 6.01		Access Roads-Paving	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
233	Air Quality – 6.01		Dust Generation-Dumping	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
234	Air Quality – 6.01		Water Tanks/Piping Maintenance	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
235	Air Quality – 6.01		Wind Speed Monitoring	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
236	Air Quality – 6.01		Report Submission-Dust/Odor	every quarter	/				/				/				/				/				/			
237	Odor/Landfill Gas – 7.03		Odor/Landfill Gas Monitoring Program	ongoing	/				/				/				/				/				/			
238	Odor/Landfill Gas – 7.03		Landfill Surface Sampling	ongoing	/				/				/				/				/				/			
239	Odor/Landfill Gas – 7.03		Landfill Perimeter Air Samples	ongoing	/				/				/				/				/				/			
240	Odor/Landfill Gas – 7.03		Landfill Surface Monitoring	ongoing	/				/				/				/				/				/			
241	Odor/Landfill Gas – 7.03		LFG Collection System Monitoring	ongoing	/				/				/				/				/				/			
242	Noise – 9.01		Landfill Access/Operation	info	/				/				/				/				/				/			
243	Noise – 9.03		Landfill Equipment-Mufflers/Silencers	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
244	Admin Rpts/ Pgms-17.16		Air Quality Monitoring-Corrective Action Plan	ongoing	/				/				/				/				/				/			
246																												
247	Hydrology, Hazardous Waste / Risk of Upset																											
248																												
249																												
250	IMP - Part IV.E	IMP4	Load Inspection-Random Manual	ongoing																								
251																												
252	Groundwater - 3.05		Leachate Collection and Removal System	ongoing																								

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

** See Appendix I for Comments

Checkmark = Condition or mitigation was monitored

/ = Yearly or non-ongoing monitoring frequency

Sunshine Canyon Landfill County Mitigation Monitoring Summary

(01-01-2021 through 03-31-2021)

Line #	Reference #	Mitigation #	County Mitigation Measures and Conditions Monitored by Discipline	Monitoring Frequency	Fourth Quarter 2020												First Quarter 2021											
					10/20/2020	Status*	Further Review Needed/Comments**	Resolved*	11/30/2020	Status*	Further Review Needed/Comments**	Resolved*	12/16/2020	Status*	Further Review Needed/Comments**	Resolved*	1/27/2021	Status*	Further Review Needed/Comments**	Resolved*	2/18/2021	Status*	Further Review Needed/Comments**	Resolved*	3/31/2021	Status*	Further Review Needed/Comments**	Resolved*
253	Groundwater - 3.15		Underground Diesel Fuel Storage Tanks	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
254	Fire Service - 12.02		On-site Fire Response Capabilities- Operating Equipment	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
255	Fire Service - 12.03		On-site Fire Response Capabilities- Roads/Water	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
256	Fire Service - 12.04		On-site Fuel Storage Tanks-Permit Issuance	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
257	Fire Service - 12.05		Building Limits	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
258	Fire Service - 12.06		Methane Gas Monitoring-On-site Structures	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
259	Hazardous Materials – 13.02		Waste Load Checking Program	ongoing																								
260	Hazardous Materials – 13.05		Hazardous Waste Disposal	ongoing																								
261	Hazardous Materials – 13.10		Hazardous Waste-Procedures	ongoing																								
262	Hazardous Materials – 13.11		Spill Response Program	ongoing																								
263	Safety - 16.02		Injury and Illness Prevention Program	status																								
264	Safety - 16.03		Working Conditions-Monitoring	status																								
265	Safety - 16.04		Inspection Checklist-Work Area Exposure	status																								
266	Safety - 16.07		Accident/Injury Reports	status																								
267	Safety - 16.08		First-aid Kits	ongoing																								
268	Safety - 16.10		Lockout/Blackout Procedures	status																								
269	Safety - 16.11		Personal Protective Equipment	status																								
270	Landfill Operation - 18.8		Prohibited Waste Procedures	ongoing																								
271																												
272	Archaeologist																											
273																												
274																												
275	Ecological Significance - 62	62	Archaeological/Paleontological Identification/Conservation Program	ongoing	✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-a		✓	C	I-b		✓	C	I-c	
276	IMP - Part VII.B	IMP7	Archaeological/Paleontological Report Submission	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	

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

** See Appendix I for Comments

Checkmark = Condition or mitigation was monitored

/ = Yearly or non-ongoing monitoring frequency

Sunshine Canyon Landfill County Mitigation Monitoring Summary (01-01-2021 through 03-31-2021)

Line #	Reference #	Mitigation #	County Mitigation Measures and Conditions Monitored by Discipline	Monitoring Frequency	Fourth Quarter 2020												First Quarter 2021											
					10/20/2020	Status*	Further Review Needed/Comments**	Resolved*	11/30/2020	Status*	Further Review Needed/Comments**	Resolved*	12/16/2020	Status*	Further Review Needed/Comments**	Resolved*	1/27/2021	Status*	Further Review Needed/Comments**	Resolved*	2/18/2021	Status*	Further Review Needed/Comments**	Resolved*	3/31/2021	Status*	Further Review Needed/Comments**	Resolved*
277	Archaeological – 5.01		Archaeological Resurvey	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
278	Archaeological – 5.02		Onsite Archaeologist	ongoing	/	FRN	NONE		/	FRN	NONE		/	FRN	NONE		/	FRN	NONE		/	FRN	NONE		/	FRN	NONE	
279	Archaeological – 5.03		Onsite Paleontologist	ongoing	✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-a		✓	C	I-b		✓	C	I-c	
280	Archaeological – 5.04		Archaeological/Paleontological Identification Instruction	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
281	Archaeological – 5.05		Archaeological Resource Curation	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
282																												
283	Paleontologist																											
284																												
285																												
286	Ecological Significance - 62	62	Archaeological/Paleontological -Material Identification/Conservation	ongoing	✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-a		✓	C	I-b		✓	C	I-c	
287	IMP - Part VII.B	IMP7	Archaeological/Paleontological-Report Submission	ongoing																								

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

** See Appendix I for Comments

Checkmark = Condition or mitigation was monitored

/ = Yearly or non-ongoing monitoring frequency

Appendix I

Further Review Needed Comments: Reference I-a through I-c First 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-a through I-c: There was no grading outside of the approved landfill development limits during the 1st Quarter. Cell CC-4 Part 3 and CC-4 Part 4A were the only areas accepting waste during the 1st Quarter. ADC was being used at the active disposal areas. The LEA office was moved to the new offices site. The maintenance shop will be moved to the existing SCS shop area in July or August.
		Geology - 1.07	County DPW EPD/SCL-LEA	I-a through I-c: See Q – B.2.c above.
		Geology - 1.12	County DPW EPD/SCL-LEA	I-a through I-c: See Q – B.2.c above.
	Q - C.3.h		City Planning	I-a through I-c: In the 1st Quarter, localized dust clouds occurred on roads to and on the County top deck when waste hauling transfer and soil importation trucks used the dirt roads. Packer trucks using the top decks' roads from the scales to the active area also generated localized dust clouds. The greatest amount of dust was coming from the large dump trucks hauling cover soil to the active area. The dust was not observed leaving the site. A third water truck driver was hired in March. An increase in watering access roads is planned.
	Q - C.10.c		City Planning	<p>I-a: The gas-to-energy plant was using 8572 SCFM of recovered landfill gas. Flare 1: 2418 SCFM of recovered landfill gas, 31% CH₄, 1.5% O₂, 100 ppm H₂S; Flare 3: was not operating; Flare 9: 2478 SCFM; Flare 10: 2385 SCFM; Flare 11: 2403. The quality of the gas recovered was 41% CH₄, 1.1% O₂ and 76 ppm H₂S. The total volume of landfill gas being recovered was 18,256 SCFM.</p> <p>I-b: The gas-to-energy plant was using 8384 SCFM of recovered landfill gas, 43% CH₄, 1.4% O₂, 81 ppm H₂S. Flare 1: 2331 SCFM, 32% CH₄, 1.0% O₂, 100 ppm H₂S; Flare 3: was not operating; Flare 9: 2460 SCFM; Flare 10: 2452 SCFM; Flare 11: 2499 SCFM. The total volume of landfill gas being recovered was 18,126 SCFM.</p> <p>I-c: The gas-to-energy plant was using 8710 SCFM of recovered landfill gas, 45% CH₄, 1.7% O₂, 79 ppm H₂S. Flare 1: 1960 SCFM, 34% CH₄, 1.1% O₂, 100 ppm H₂S; Flare 3: was not operating; Flare 9: 2718 SCFM; Flare 10: 2759 SCFM; Flare 11: 2700 SCFM. The total volume of landfill gas being recovered was 18,847 SCFM.</p> <p>I-a through I-c: The quantity of landfill gas being recovered during the 1st Quarter has a daily average of 18,410 SCFM, with the gas-to-energy plant usage averaging 8555 SCFM. Republic has stated that they are pursuing options for using the excess recovered gas that is now being flared.</p>
		Odor/Landfill Gas - 7.07	County Planning/SCAQMD SCL-LEA	I-a through I-c: See Q - C.10.c above.
		Gas - 52	County DPW EPD/SCL-LEA County Forester Fire Warden	I-a through I-c: See Q - C.10.c above.
	T-4		City Planning, City Fire Department	I-a through I-c: An updated fire plan showing the 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. It is recommended that the local City fire department station personnel visit the site and be given the latest facility plot plan showing access roads and facilities. Key management personnel contacts should be provided to the City Fire Department.

Discipline	City Condition Reference # / Mitigation #	County Condition Reference # / Mitigation #	Responsible Agency	Further Review Needed – Comments
Project Manager		Fire Service - 12.03	County DPW EPD/SCL-LEA County Forester Fire Warden	I-a through I-c: See T-4 above.
	M - 4.1.1 / 7		City Planning, DOGGR	I-a through I-c: 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-a through I-c: See M - 4.1.1 / 7 above.
	M - 4.1.4 / 11	Post-5.0 Earthquake Analysis	City Planning	I-a through I-c: There were no earthquakes of 5.0 or greater during this monitoring period.
	M - 4.2.12 / 26 and 28		City Planning/SCAQMD	I-a through I-c: During the 1st Quarter, Closure Turf was being maintained, and gas and liquids recovery systems under the turf were performing well. This cover material was in lieu of vegetation on the south-facing slopes, and controlled and eliminated dust and erosion. Other areas of the landfill that were previously hydroseeded had germinated and were growing. The soil stockpiled on the County top deck adjacent to Cell CC4 Part 3 was being used for cover, site improvements and operations.
		Fugitive Dust - 45.F	County DPH/County LEA County DPW-EPD County Biologist	I-a through I-c: See M - 4.2.12 / 28 above.
	M -4.2.13/ 29, 30, 32, 33, and 34		City Planning/SCL-LEA/SCAQMD	I-a through I-c: Compliance with these mitigation measures, concerning landfill gas monitoring and odor control and detection, is being monitored by a multi-agency team led by the SCAQMD. Only obvious gas emission sources, odorous operations related to gas and/or gas and landfill liquids, lack of cover, or exposed trash resulting in odor observed during the monitoring visit are reported.
		Amendment 45.N-4.a, 4.c, 4.d	County DPW-EPD	I-a through I-c: See M -4.2.13/ 29, 30, 32, 34 above.
		Amendment 45.N-5	County DPW-EPD	I-a through I-c: See M -4.2.13/ 29, 30, 32, 34 above.
	M - 4.2.13 / 33		City Planning/SCAQMD	I-a through I-c: On our random days of site visits during the 1st Quarter, no landfill odors were detected in the adjacent neighborhoods. There were no NOVs in the 1st Quarter. A localized gas odor was detected at the Blower 5 outlet flange at the Flare 9-11 site. Special repair parts were on order. There were no other gas or liquids odors detected. An odor neutralizer solution was added, when needed, to the water trucks' water to avoid odors from the roads and active area on hot and adverse wind days. 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 - 4.2.13 / 34		City Planning/SCAQMD	I-a through I-c: See M-4.2.13/29, 30, and 32 above.
		Odor/Landfill Gas - 7.06	County DPW-EPD/SCL-LEA/SCAQMD	I-a through I-c: See M-4.2.13/33 above.

Discipline	City Condition Reference # / Mitigation #	County Condition Reference # / Mitigation #	Responsible Agency	Further Review Needed – Comments
Project Manager		Amendment 45.N - 4.a, 4.c, 4.d	County DPW-EPD	I-a through I-c: See M-4.2.13/29, 30, 32, and 34 above.
		Amendment 45.N - 5	County DPW-EPD	I-a through I-c: See M-4.2.13/29, 30, 32, and 34 above.
		Surface Water - 2.15	County DPW EPD/ LARWQCB, SCL- LEA	<p>I-j through I-l: A preventative maintenance program with inspection of facility equipment, systems and storm water management devices to detect conditions that may cause breakdowns or failures resulting in discharge of materials into stormwater should be performed on a monthly basis, with a summary report issued on a quarterly basis. These reports have been reviewed prior to COVID-19 restrictions and were available at the landfill's main office.</p> <p>In the 1st Quarter, it was observed that vegetation was growing out of numerous cracks in the water retention basins and drainage conveyance channels' concrete. There were areas of the channels and basins that needed the growing vegetation to be removed, and repair of the concrete and sealing of cracks. Republic staff stated that these clean-up and maintenance tasks are put on the monthly preventative maintenance program work list and will be done by October 1st. The broken concrete v-ditch in the Flare 9-11 site was repaired.</p>
	M - 4.4.2/ 69		City Planning	I-a through I-c: 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 in 2021. Since the COVID-19 pandemic, progress has been suspended. The delay in the issuance of the City ordinance is delaying any progress. 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 are pending, waiting for action on the ordinance.

Discipline	City Condition Reference # / Mitigation #	County Condition Reference # / Mitigation #	Responsible Agency	Further Review Needed – Comments
Project Manager		Biota - 4.4.3	CDFW	I-a through I-b: See M - 4.4.2 / 69 above.
	M - 4.9.3 / 110		City Planning/City LEA	I-a through I-c: During the 1st Quarter site visits, Sierra Highway and the adjacent neighborhood were cleared of any illegally dumped waste and any litter.
Civil and Geotechnical Engineer	M - 4.1.1 / 2		City Building and Safety City Planning	I-a through I-c: See M - 4.1.1 / 5 below.
	M - 4.1.1 / 4		City Planning/LARWQCB Cal Recycle	I-a through I-c: See M - 4.1.1 / 5 below.
	M - 4.1.1 / 5		City Planning/ LARWQCB Cal Recycle	I-a through I-c: There was no grading outside of the approved landfill development limits during the 1st Quarter. Cell CC-4 Part 3 and CC-4 Part 4A were the only areas accepting waste. CC-4 Part 4A was limited to packer trucks. All buildings except the maintenance facility were moved to the new location. The maintenance facility will be moved in July or August.
		Geology - 1.07	County DPW EPD/ County LEA	I-a through I-c: See M - 4.1.1 / 5 above.
	M - 4.1.5 / 12		City Planning/LARWQCB Cal Recycle	I-a through I-c: See M - 4.1.1 / 5 above.
	M - 4.1.6 / 18			I-a through I-c: 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-a through I-c: Access roads were being maintained around the working area for emergency access.
	M - 4.18 / 178		City Planning/City LEA	I-a through I-c: 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. These conditions were not monitored.
		Visual - 10.01 Visual - 10.02	County DPW EPD/ LARWQCB SCL-LEA	I-a through I-c: See M - 4.18 / 178 above.
	M - 4.3.1/ 37, 38		City Planning/ LARWQCB CalRecycle SCL-LEA PW-BOE	I-a through I-c: Surface drainage systems were in place to intercept or divert rainwater away from prior landfill cells and current filling operations. Most of these were temporary systems in active areas, and most conveyance V-ditches were unlined. The start of the construction of the final toe berm and main access road realignment project started in March. 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 drainage improvements. The design plans are in for City permit approval.

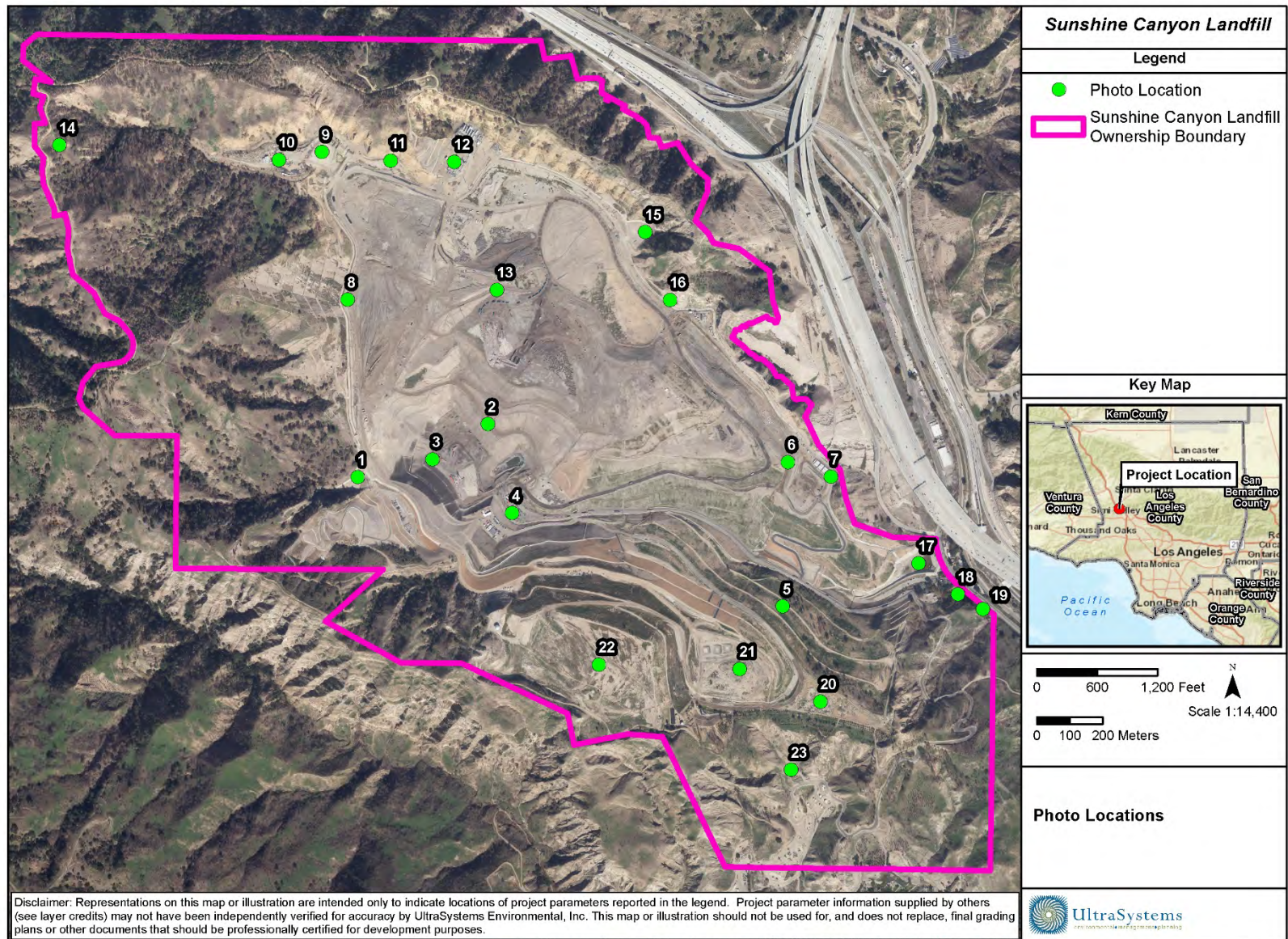
Discipline	City Condition Reference # / Mitigation #	County Condition Reference # / Mitigation #	Responsible Agency	Further Review Needed – Comments
Hydrologist		Surface Water - 2.03 Surface Water - 2.12	County DPW EPD/ LARWQCB SCL-LEA	I-a through I-c: See M - 4.3.1/ 37, 38 above.
	M - 4.3.1 / 39		City Planning/LARWQCB Cal Recycle	I-a through I-c: See M - 4.3.1/ 37, 38 above.
	M - 4.3.1 / 40		City Planning/ LARWQCB CalRecycle SCL-LEA PW-BOE LADBS	I-a through I-c: See M - 4.3.1/ 37, 38 above.
	M - 4.3.1 / 43		City Planning/ LARWQCB CalRecycle SCL-LEA PW-BOE LADBS	I-a through I-c: All of the basins were dry and cleared of sediment in the 1st 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-a through I-c: See M - 4.3.1/ 37, 38 and 43 above.
		Surface Water - 2.14	LARWQCB / County DPW EPD	I-a through I-c: See M - 4.3.1 / 37, 38 and 43 above. 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-a through I-c: See 2.15 above.
	M - 4.3.2 / 50		City Planning/ LARWQCB CalRecycle SCL-LEA	I-a through I-c: The old City north top deck has a tank farm of 16 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 1st 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-a through I-c: See M - 4.2.12 / 28 above.
		Geology - 1.14	LARWQCB/ County Forester	I-a through I-c: See M - 4.2.12 / 28 above.
	M - 4.2.11 / 23		City Planning	I-a through I-c: See M - 4.2.12 / 28 above.
		Geology - 1.13	County DPW EPD/ County Forester LARWQCB	I-a through I-c: See M - 4.2.12 / 28 above.
	M - 4.2.12		SCL-LEA/ City Planning	I-a through I-c: See M - 4.2.12 / 28 above.
		Revegetation - 44.A	SCL-LEA/ County DPW EPD Regional Planning County Biologist	I-a through I-c: See M - 4.2.12 / 28 above.
		Revegetation - 44.F	SCL-LEA/ County DPW EPD Regional Planning County Biologist	I-a through I-c: See M - 4.2.12 / 28 above.
		Biota - 4.42	SCL-LEA	I-a through I-c: See M - 4.2.12 / 28 above.
		Air Quality - 6.02	SCAQMD/ SCL-LEA	I-a through I-c: See M - 4.2.12 / 28 above.
		Visual - 10.08	County Forester	I-a through I-c: See M - 4.2.12 / 28 above.
	M - 4.4.1 / 60		City Planning	I-a through I-c: During the 1st Quarter, sage mitigation areas decks B and C were being maintained by the removal of non-native vegetation. Native vegetation was recovering from the Saddleridge Fire and doing well. The fire's impact to the PM-10 oak trees was being evaluated. 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 is scheduled for this area in 2021.
		Biota - 4.27	County LEA/CDFW	I-a through I-c: 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-a through I-c: 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 42 dead mature PM-10 oak trees. A mitigation tree replacement plan, scope and schedule has not been developed.
	M - 4.4.3 / 72		City Planning	I-a through I-c: See Biota - 4.10 above.
	M - 4.9.4 / 121		City Planning/Cal Recycle Cal OSHA LAFD City LEA	I-a through I-c: See T-4 above.
	M-4.9.4/ 125		City Planning/ CalRecycle Cal OSHA SCL-LEA	I-a through I-c: During the 1st Quarter of 2021, the south oil field gate and north perimeter gate were observed to be unlocked in February and March.
Paleontologist	M-4.19.2/ 191		City Planning	I-a through I-c: During the 1st Quarter, the only grading in native undisturbed areas that required paleontological monitoring was in the southeast canyon for the main access road realignment.
		Ecological Significance 62	County Planning	I-a through I-c: See M-4.19.2/ 191 above.

Appendix II

Relevant Site Photos



October 12, 2020

Photo Location Map Key

Map Location	Title	Photo Number
1	Basin A	1 – 25
2	Working Area, CC4 Part 1/2	–
3	Working Area, CC4 Part 3	26 – 83
4	Working Area, CC-4 Part 4A	84 – 131
5	Closure Turf	132 – 147
6	Office and Scales Location	148 – 162
7	Alder Tank Liquids Treatment System	163 – 181
8	County Sage Mitigation Area and Westside Drainage Channels	182 – 210
9	Basin D	211 – 220
10	Basin D Material Storage Area	221 – 226
11	Basin D Outlet Channel	–
12	Flares 9, 10, 11 and Gas-to-Energy Facility	227 – 257
13	County Top Deck	258 – 273
14	North Access Road	274 – 275
15	Basin B	276 – 285
16	Eastside Drainage Channel	286 – 307
17	Terminal Basin	308 – 369
18	Greywater Sewer Connection	–
19	Retaining Wall at San Fernando Road	–
20	Sage Mitigation, Deck C	370 – 373
21	Sage Mitigation, Deck B	374 – 385
22	Sage Mitigation, Deck A	386 – 386
23	Southern Ownership Buffer	387 – 396
–	General Site	397 – 602



Photo 1: Basin A: January 27, 2021



Photo 2: Basin A: January 27, 2021



Photo 3: Basin A: January 27, 2021



Photo 4: Basin A: January 27, 2021



Photo 5: Basin A: January 27, 2021



Photo 6: Basin Basin A: January 27, 2021



Photo 7: Basin A: February 18, 2021



Photo 8: Basin A: February 18, 2021



Photo 9: Basin A: February 18, 2021



Photo 10: Basin A: March 31, 2021



Photo 11: Basin A: March 31, 2021



Photo 12: Basin A: March 31, 2021



Photo 13: Basin A: March 31, 2021



Photo 14: Basin A: March 31, 2021



Photo 15: Basin A: March 31, 2021



Photo 16: Basin A: March 31, 2021



Photo 17: Basin A: March 31, 2021



Photo 18: Basin A: March 31, 2021



Photo 19: Basin A: March 31, 2021



Photo 20: Basin A: March 31, 2021



Photo 21: Basin A: March 31, 2021



Photo 22: Basin A: March 31, 2021



Photo 23: Basin A: March 31, 2021



Photo 24: Basin A: March 31, 2021



Photo 25: Basin A: March 31, 2021



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



Photo 26: Working Area, CC-4 Part 3: January 27, 2021



Photo 28: Working Area, CC-4 Part 3: January 27, 2021



Photo 29: Working Area, CC-4 Part 3: January 27, 2021



Photo 30: Working Area, CC-4 Part 3: January 27, 2021



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



Photo 32: Working Area, CC-4 Part 3: January 27, 2021



Photo 33: Working Area, CC-4 Part 3: January 27, 2021



Photo 34: Working Area, CC-4 Part 3: January 27, 2021



Photo 35: Working Area, CC-4 Part 3: January 27, 2021



Photo 36: Working Area, CC-4 Part 3: January 27, 2021



Photo 37: Working Area, CC-4 Part 3: January 27, 2021



Photo 38: Working Area, CC-4 Part 3: January 27, 2021



Photo 39: Working Area, CC-4 Part 3: January 27, 2021



Photo 40: Working Area, CC-4 Part 3: January 27, 2021



Photo 41: Working Area, CC-4 Part 3: January 27, 2021



Photo 42: Working Area, CC-4 Part 3: January 27, 2021



Photo 43: Working Area, CC-4 Part 3: January 27, 2021



Photo 44: Working Area, CC-4 Part 3: January 27, 2021



Photo 45: Working Area, CC-4 Part 3: January 27, 2021



Photo 46: Working Area, CC-4 Part 3: January 27, 2021



Photo 47: Working Area, CC-4 Part 3: January 27, 2021



Photo 48: Working Area, CC-4 Part 3: January 27, 2021



Photo 49: Working Area, CC-4 Part 3: February 18, 2021



Photo 50: Working Area, CC-4 Part 3: February 18, 2021



Photo 51: Working Area, CC-4 Part 3: February 18, 2021



Photo 52: Working Area, CC-4 Part 3: February 18, 2021



Photo 53: Working Area, CC-4 Part 3: February 18, 2021



Photo 54: Working Area, CC-4 Part 3: February 18, 2021



Photo 55: Working Area, CC-4 Part 3: February 18, 2021



Photo 56: Working Area, CC-4 Part 3: February 18, 2021



Photo 57: Working Area, CC-4 Part 3: February 18, 2021



Photo 58: Working Area, CC-4 Part 3: February 18, 2021



Photo 59: Working Area, CC-4 Part 3: February 18, 2021



Photo 60: Working Area, CC-4 Part 3: February 18, 2021



Photo 61: Working Area, CC-4 Part 3: February 18, 2021



Photo 62: Working Area, CC-4 Part 3: February 18, 2021



Photo 63: Working Area, CC-4 Part 3: February 18, 2021



Photo 64: Working Area, CC-4 Part 3: February 18, 2021



Photo 65: Working Area, CC-4 Part 3: February 18, 2021



Photo 66: Working Area, CC-4 Part 3: March 31, 2021



Photo 67: Working Area, CC-4 Part 3: March 31, 2021



Photo 68: Working Area, CC-4 Part 3: March 31, 2021



Photo 69: Working Area, CC-4 Part 3: March 31, 2021



Photo 70: Working Area, CC-4 Part 3: March 31, 2021



Photo 71: Working Area, CC-4 Part 3: March 31, 2021



Photo 72: Working Area, CC-4 Part 3: March 31, 2021



Photo 73: Working Area, CC-4 Part 3: March 31, 2021



Photo 74: Working Area, CC-4 Part 3: March 31, 2021



Photo 75: Working Area, CC-4 Part 3: March 31, 2021



Photo 76: Working Area, CC-4 Part 3: March 31, 2021



Photo 77: Working Area, CC-4 Part 3: March 31, 2021



Photo 78: Working Area, CC-4 Part 3: March 31, 2021



Photo 79: Working Area, CC-4 Part 3: March 31, 2021



Photo 80: Working Area, CC-4 Part 3: March 31, 2021



Photo 81: Working Area, CC-4 Part 3: March 31, 2021



Photo 82: Working Area, CC-4 Part 3: March 31, 2021

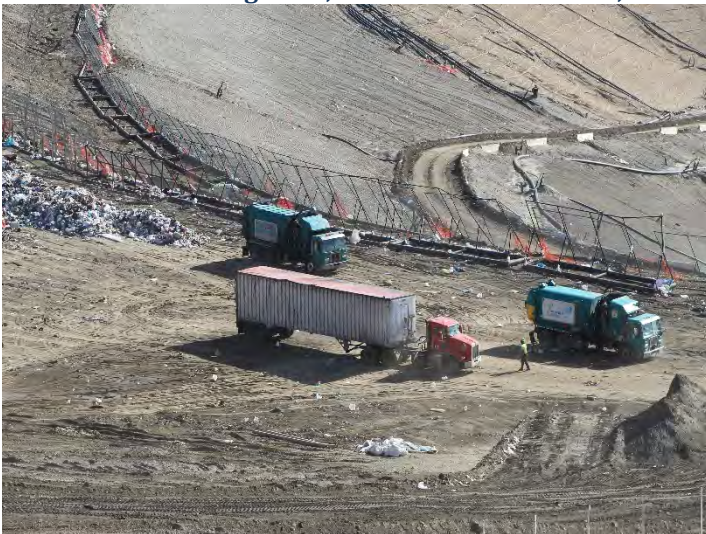


Photo 83: Working Area, CC-4 Part 3: March 31, 2021



Photo 84: Working Area, CC-4 Part 4A: January 27, 2021



Photo 85: Working Area, CC-4 Part 4A: January 27, 2021



Photo 86: Working Area, CC-4 Part 4A: January 27, 2021



Photo 87: Working Area, CC-4 Part 4A: February 18, 2021



Photo 88: Working Area, CC-4 Part 4A: February 18, 2021



Photo 89: Working Area, CC-4 Part 4A: February 18, 2021



Photo 90: Working Area, CC-4 Part 4A: February 18, 2021



Photo 91: Working Area, CC-4 Part 4A: February 18, 2021



Photo 92: Working Area, CC-4 Part 4A: February 18, 2021



Photo 93: Working Area, CC-4 Part 4A: February 18, 2021



Photo 94: Working Area, CC-4 Part 4A: February 18, 2021



Photo 95: Working Area, CC-4 Part 4A: February 18, 2021



Photo 96: Working Area, CC-4 Part 4A: February 18, 2021



Photo 97: Working Area, CC-4 Part 4A: February 18, 2021



Photo 98: Working Area, CC-4 Part 4A: February 18, 2021



Photo 99: Working Area, CC-4 Part 4A: February 18, 2021



Photo 100: Working Area, CC-4 Part 4A: February 18, 2021

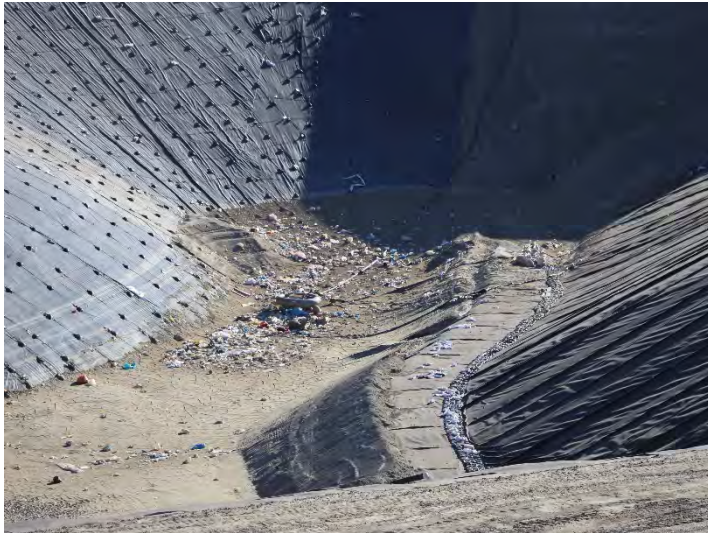


Photo 101: Working Area, CC-4 Part 4A: February 18, 2021



Photo 102: Working Area, CC-4 Part 4A: February 18, 2021



Photo 103: Working Area, CC-4 Part 4A: February 18, 2021



Photo 104: Working Area, CC-4 Part 4A: February 18, 2021



Photo 105: Working Area, CC-4 Part 4A: February 18, 2021



Photo 106: Working Area, CC-4 Part 4A: February 18, 2021



Photo 107: Working Area, CC-4 Part 4A: February 18, 2021



Photo 108: Working Area, CC-4 Part 4A: February 18, 2021



Photo 109: Working Area, CC-4 Part 4A: February 18, 2021



Photo 110: Working Area, CC-4 Part 4A: February 18, 2021



Photo 111: Working Area, CC-4 Part 4A: February 18, 2021



Photo 112: Working Area, CC-4 Part 4A: February 18, 2021



Photo 113: Working Area, CC-4 Part 4A: February 18, 2021



Photo 114: Working Area, CC-4 Part 4A: March 31, 2021



Photo 115: Working Area, CC-4 Part 4A: March 31, 2021

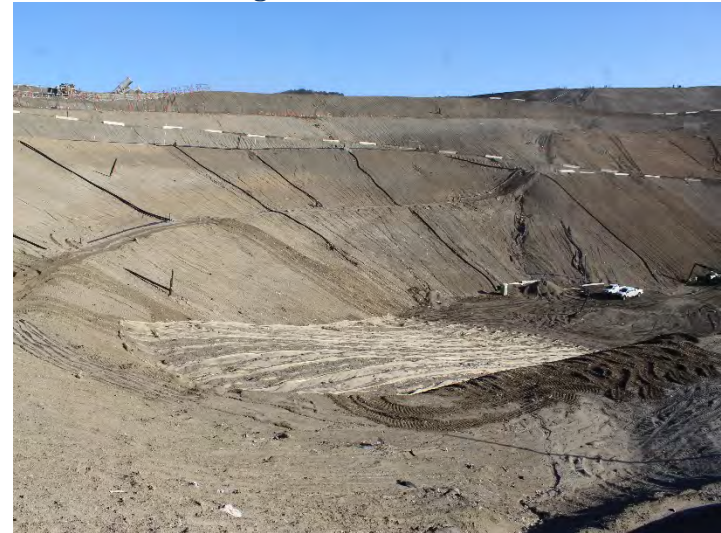


Photo 116: Working Area, CC-4 Part 4A: March 31, 2021



Photo 117: Working Area, CC-4 Part 4A: March 31, 2021

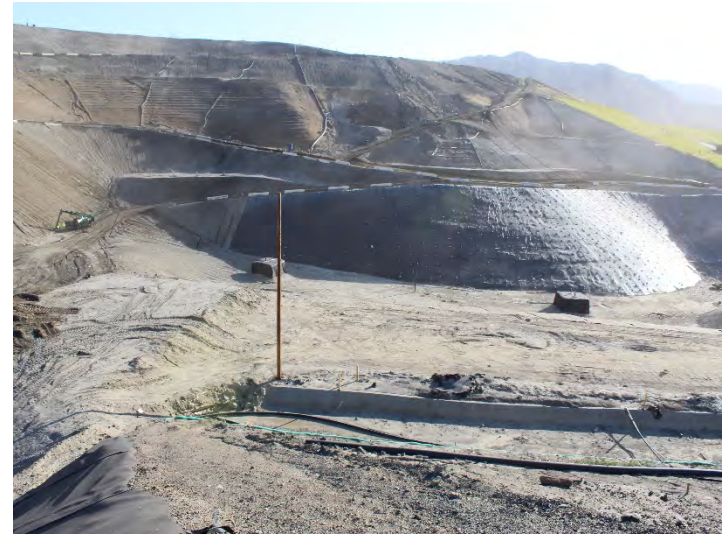


Photo 118: Working Area, CC-4 Part 4A: March 31, 2021



Photo 119: Working Area, CC-4 Part 4A: March 31, 2021



Photo 120: Working Area, CC-4 Part 4A: March 31, 2021



Photo 121: Working Area, CC-4 Part 4A: March 31, 2021



Photo 122: Working Area, CC-4 Part 4A: March 31, 2021



Photo 123: Working Area, CC-4 Part 4A: March 31, 2021

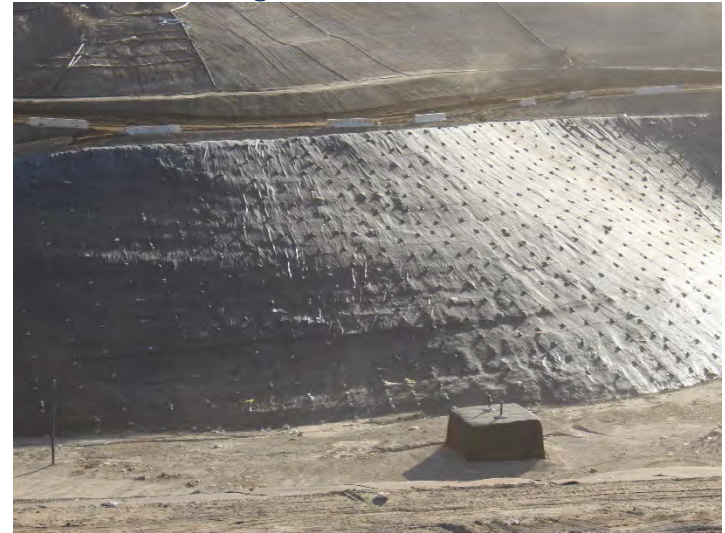


Photo 124: Working Area, CC-4 Part 4A: March 31, 2021



Photo 125: Working Area, CC-4 Part 4A: March 31, 2021



Photo 126: Working Area, CC-4 Part 4A: March 31, 2021



Photo 127: Working Area, CC-4 Part 4A: March 31, 2021

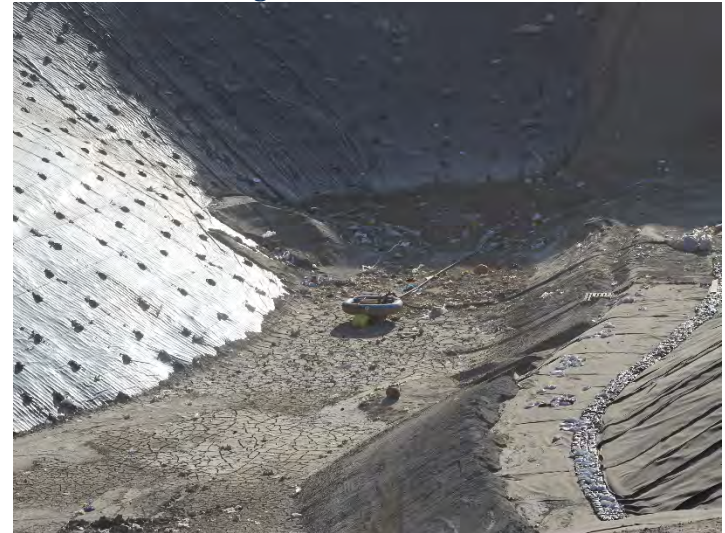


Photo 128: Working Area, CC-4 Part 4A: March 31, 2021



Photo 129: Working Area, CC-4 Part 4A: March 31, 2021



Photo 130: Working Area, CC-4 Part 4A: March 31, 2021



Photo 131: Working Area, CC-4 Part 4A: March 31, 2021



Photo 132: Closure Turf: January 27, 2021



Photo 133: Closure Turf: January 27, 2021



Photo 134: Closure Turf: January 27, 2021



Photo 135: Closure Turf: January 27, 2021



Photo 136: Closure Turf: January 27, 2021



Photo 137: Closure Turf: January 27, 2021



Photo 138: Closure Turf: January 27, 2021



Photo 139: Closure Turf: January 27, 2021



Photo 140: Closure Turf: February 18, 2021



Photo 141: Closure Turf: February 18, 2021



Photo 143: Closure Turf: February 18, 2021



Photo 142: Closure Turf: February 18, 2021



Photo 144: Closure Turf: February 18, 2021



Photo 145: Closure Turf: March 31, 2021



Photo 146: Closure Turf: March 31, 2021



Photo 147: Closure Turf: March 31, 2021



Photo 148: Office and Scales Location: January 27, 2021



Photo 149: Office and Scales Location: January 27, 2021



Photo 150: Office and Scales Location: February 18, 2021



Photo 151: Office and Scales Location: February 18, 2021



Photo 152: Office and Scales Location: February 18, 2021



Photo 153: Office and Scales Location: February 18, 2021



Photo 154: Office and Scales Location: February 18, 2021



Photo 155: Office and Scales Location: March, 31, 2021



Photo 156: Office and Scales Location: March, 31, 2021



Photo 157: Office and Scales Location: March 31, 2021



Photo 158: Office and Scales Location: March 31, 2021



Photo 159: Office and Scales Location: March 31, 2021



Photo 160: Office and Scales Location: March 31, 2021



Photo 161: Office and Scales Location: March, 31, 2021



Photo 162: Office and Scales Location: March, 31, 2021



**Photo 163: Alder Tank Liquids Treatment System:
January 27, 2021**



**Photo 164: Alder Tank Liquids Treatment System:
January 27, 2021**



**Photo 165: Alder Tank Liquids Treatment System:
January 27, 2021**



**Photo 166: Alder Tank Liquids Treatment System:
February 18, 2021**



**Photo 167: Alder Tank Liquids Treatment System:
February 18, 2021**



**Photo 168: Alder Tank Liquids Treatment System:
February 18, 2021**



**Photo 169: Alder Tank Liquids Treatment System:
February 18, 2021**



**Photo 170: Alder Tank Liquids Treatment System:
February 18, 2021**



**Photo 171: Alder Tank Liquids Treatment System:
February 18, 2021**



**Photo 172: Alder Tank Liquids Treatment System:
February 18, 2021**



**Photo 173: Alder Tank Liquids Treatment System:
February 18, 2021**



**Photo 174: Alder Tank Liquids Treatment System:
February 18, 2021**



**Photo 175: Alder Tank Liquids Treatment System:
February 18, 2021**



**Photo 176: Alder Tank Liquids Treatment System:
February 18, 2021**



**Photo 177: Alder Tank Liquids Treatment System:
March 31, 2021**



**Photo 178: Alder Tank Liquids Treatment System:
March 31, 2021**



**Photo 179: Alder Tank Liquids Treatment System:
March 31, 2021**



**Photo 180: Alder Tank Liquids Treatment System:
March 31, 2021**



**Photo 181: Alder Tank Liquids Treatment System:
March 31, 2021**



**Photo 182: County Sage Mitigation and Westside Drainage
Channels: January 27, 2021**



**Photo 183: County Sage Mitigation and Westside Drainage
Channels: January 27, 2021**



**Photo 184: County Sage Mitigation and Westside Drainage
Channels: January 27, 2021**



Photo 185: County Sage Mitigation and Westside Drainage Channels: January 27, 2021



Photo 186: County Sage Mitigation and Westside Drainage Channels: January 27, 2021



Photo 187: County Sage Mitigation and Westside Drainage Channels: January 27, 2021



Photo 188: County Sage Mitigation and Westside Drainage Channels: January 27, 2021



Photo 189: County Sage Mitigation and Westside Drainage Channels: January 27, 2021



Photo 190: County Sage Mitigation and Westside Drainage Channels: January 27, 2021



Photo 191: County Sage Mitigation and Westside Drainage Channels: January 27, 2021



Photo 192: County Sage Mitigation and Westside Drainage Channels: January 27, 2021



Photo 193: County Sage Mitigation and Westside Drainage Channels: January 27, 2021



Photo 194: County Sage Mitigation and Westside Drainage Channels: January 27, 2021



Photo 195: County Sage Mitigation and Westside Drainage Channels: January 27, 2021



Photo 196: County Sage Mitigation and Westside Drainage Channels: January 27, 2021



Photo 197: County Sage Mitigation and Westside Drainage Channels: January 27, 2021



Photo 198: County Sage Mitigation and Westside Drainage Channels: February 18, 2021



Photo 199: County Sage Mitigation and Westside Drainage Channels: February 18, 2021



Photo 200: County Sage Mitigation and Westside Drainage Channels: February 18, 2021



Photo 201: County Sage Mitigation and Westside Drainage Channels: February 18, 2021



Photo 202: County Sage Mitigation and Westside Drainage Channels: February 18, 2021



Photo 203: County Sage Mitigation and Westside Drainage Channels: February 18, 2021



Photo 204: County Sage Mitigation and Westside Drainage Channels: March 31, 2021



Photo 205: County Sage Mitigation and Westside Drainage Channels: March 31, 2021



Photo 206: County Sage Mitigation and Westside Drainage Channels: March 31, 2021



Photo 207: County Sage Mitigation and Westside Drainage Channels: March 31, 2021



Photo 208: County Sage Mitigation and Westside Drainage Channels: March 31, 2021



Photo 209: County Sage Mitigation and Westside Drainage Channels: March 31, 2021



Photo 210: County Sage Mitigation and Westside Drainage Channels: March 31, 2021



Photo 211: Basin D: January 27, 2021



Photo 212: Basin D: January 27, 2021



Photo 213: Basin D: January 27, 2021



Photo 214: Basin D: January 27, 2021



Photo 215: Basin D: February 18, 2021



Photo 216: Basin D: February 18, 2021



Photo 217: Basin D: March 31, 2021



Photo 218: Basin D: March 31, 2021



Photo 219: Basin D: March 31, 2021



Photo 220: Basin D: March 31, 2021



Photo 221: Basin D Material Storage Area: January 27, 2021



Photo 222: Basin D Material Storage Area: February 18, 2021



Photo 223: Basin D Material Storage Area: February 18, 2021



Photo 224: Basin D Material Storage Area: March 31, 2021



Photo 225: Basin D Material Storage Area: March 31, 2021



Photo 226: Basin D Material Storage Area: March 31, 2021



**Photo 227: Flares 9, 10, 11 and Gas-to-Energy Facility:
January 27, 2021**



**Photo 228: Flares 9, 10, 11 and Gas-to-Energy Facility:
January 27, 2021**



**Photo 229: Flares 9, 10, 11 and Gas-to-Energy Facility:
January 27, 2021**



**Photo 230: Flares 9, 10, 11 and Gas-to-Energy Facility:
January 27, 2021**



**Photo 231: Flares 9, 10, 11 and Gas-to-Energy Facility:
January 27, 2021**



**Photo 232: Flares 9, 10, 11 and Gas-to-Energy Facility:
January 27, 2021**



**Photo 233: Flares 9, 10, 11 and Gas-to-Energy Facility:
January 27, 2021**



**Photo 234: Flares 9, 10, 11 and Gas-to-Energy Facility:
January 27, 2021**



**Photo 235: Flares 9, 10, 11 and Gas-to-Energy Facility:
January 27, 2021**



**Photo 236: Flares 9, 10, 11 and Gas-to-Energy Facility:
January 27, 2021**



**Photo 237: Flares 9, 10, 11 and Gas-to-Energy Facility:
January 27, 2021**



**Photo 238: Flares 9, 10, 11 and Gas-to-Energy Facility:
February 18, 2021**



**Photo 239: Flares 9, 10, 11 and Gas-to-Energy Facility:
February 18, 2021**



**Photo 240: Flares 9, 10, 11 and Gas-to-Energy Facility:
February 18, 2021**



**Photo 241: Flares 9, 10, 11 and Gas-to-Energy Facility:
February 18, 2021**



**Photo 242: Flares 9, 10, 11 and Gas-to-Energy Facility:
February 18, 2021**



**Photo 243: Flares 9, 10, 11 and Gas-to-Energy Facility:
February 18, 2021**



**Photo 244: Flares 9, 10, 11 and Gas-to-Energy Facility:
February 18, 2021**



**Photo 245: Flares 9, 10, 11 and Gas-to-Energy Facility:
March 31, 2021**



**Photo 246: Flares 9, 10, 11 and Gas-to-Energy Facility:
March 31, 2021**



**Photo 247: Flares 9, 10, 11 and Gas-to-Energy Facility:
March 31, 2021**



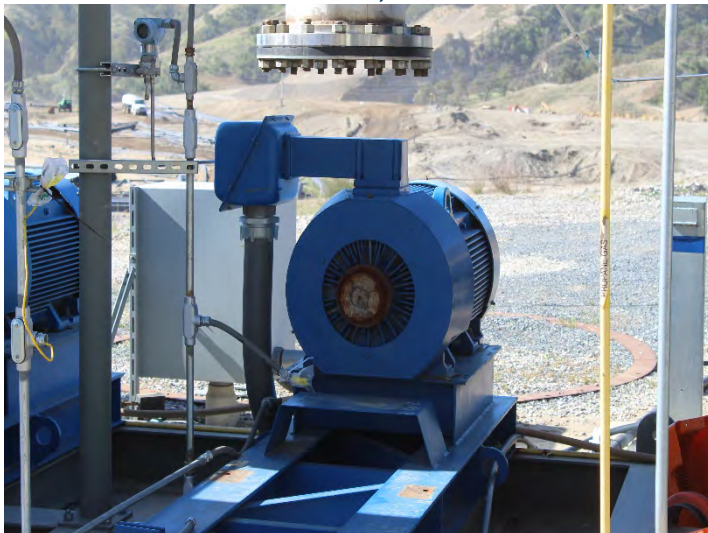
**Photo 248: Flares 9, 10, 11 and Gas-to-Energy Facility:
March 31, 2021**



**Photo 249: Flares 9, 10, 11 and Gas-to-Energy Facility:
March 31, 2021**



**Photo 250: Flares 9, 10, 11 and Gas-to-Energy Facility:
March 31, 2021**



**Photo 251: Flares 9, 10, 11 and Gas-to-Energy Facility:
March 31, 2021**



**Photo 252: Flares 9, 10, 11 and Gas-to-Energy Facility:
March 31, 2021**



**Photo 253: Flares 9, 10, 11 and Gas-to-Energy Facility:
March 31, 2021**



**Photo 254: Flares 9, 10, 11 and Gas-to-Energy Facility:
March 31, 2021**



**Photo 255: Flares 9, 10, 11 and Gas-to-Energy Facility:
March 31, 2021**



**Photo 256: Flares 9, 10, 11 and Gas-to-Energy Facility:
March 31, 2021**



**Photo 257: Flares 9, 10, 11 and Gas-to-Energy Facility:
March 31, 2021**



Photo 258: County Top Deck: January 27, 2021



Photo 259: County Top Deck: January 27, 2021



Photo 260: County Top Deck: January 27, 2021



Photo 261: County Top Deck: January 27, 2021



Photo 262: County Top Deck: February 18, 2021



Photo 263: County Top Deck: February 18, 2021



Photo 264: County Top Deck: March 31, 2021



Photo 265: County Top Deck: March 31, 2021



Photo 266: County Top Deck: March 31, 2021



Photo 267: County Top Deck: March 31, 2021



Photo 268: County Top Deck: March 31, 2021



Photo 269: County Top Deck: March 31, 2021



Photo 270: County Top Deck: March 31, 2021



Photo 271: County Top Deck: March 31, 2021



Photo 272: County Top Deck: March 31, 2021



Photo 273: County Top Deck: March 31, 2021



Photo 274: North Access Road: February 18, 2021



Photo 275: North Access Road: March 31, 2021



Photo 276: Basin B: January 27, 2021



Photo 277: Basin B: January 27, 2021



Photo 278: Basin B: January 27, 2021



Photo 279: Basin B: January 27, 2021



Photo 280: Basin B: January 27, 2021



Photo 281: Basin B: January 27, 2021



Photo 282: Basin B: March 31, 2021



Photo 283: Basin B: March 31, 2021



Photo 284: Basin B: March 31, 2021



Photo 285: Basin B: March 31, 2021



Photo 286: Eastside Drainage Channel: January 27, 2021



Photo 287: Eastside Drainage Channel: January 27, 2021



Photo 288: Eastside Drainage Channel: January 27, 2021



Photo 289: Eastside Drainage Channel: January 27, 2021



Photo 290: Eastside Drainage Channel: January 27, 2021



Photo 291: Eastside Drainage Channel: January 27, 2021



Photo 292: Eastside Drainage Channel: January 27, 2021



Photo 293: Eastside Drainage Channel: February 18, 2021



Photo 294: Eastside Drainage Channel: February 18, 2021



Photo 295: Eastside Drainage Channel: February 18, 2021



Photo 296: Eastside Drainage Channel: February 18, 2021



Photo 297: Eastside Drainage Channel: February 18, 2021



Photo 298: Eastside Drainage Channel: March 31, 2021



Photo 299: Eastside Drainage Channel: March 31, 2021



Photo 300: Eastside Drainage Channel: March 31, 2021



Photo 301: Eastside Drainage Channel: March 31, 2021



Photo 302: Eastside Drainage Channel: March 31, 2021



Photo 303: Eastside Drainage Channel: March 31, 2021



Photo 304: Eastside Drainage Channel: March 31, 2021



Photo 305: Eastside Drainage Channel: March 31, 2021



Photo 306: Eastside Drainage Channel: March 31, 2021



Photo 307: Eastside Drainage Channel: March 31, 2021



Photo 308: Terminal Basin: January 27, 2021



Photo 309: Terminal Basin: January 27, 2021



Photo 310: Terminal Basin: January 27, 2021



Photo 311: Terminal Basin: January 27, 2021



Photo 312: Terminal Basin: January 27, 2021



Photo 313: Terminal Basin: January 27, 2021



Photo 314: Terminal Basin: January 27, 2021



Photo 315: Terminal Basin: January 27, 2021



Photo 316: Terminal Basin: January 27, 2021



Photo 317: Terminal Basin: January 27, 2021



Photo 318: Terminal Basin: January 27, 2021



Photo 319: Terminal Basin: January 27, 2021



Photo 320: Terminal Basin: January 27, 2021



Photo 321: Terminal Basin: January 27, 2021



Photo 322: Terminal Basin: January 27, 2021



Photo 323: Terminal Basin: January 27, 2021



Photo 324: Terminal Basin: January 27, 2021



Photo 325: Terminal Basin: January 27, 2021



Photo 326: Terminal Basin: January 27, 2021



Photo 327: Terminal Basin: January 27, 2021



Photo 328: Terminal Basin: January 27, 2021



Photo 329: Terminal Basin: January 27, 2021



Photo 330: Terminal Basin: January 27, 2021



Photo 331: Terminal Basin: January 27, 2021



Photo 332: Terminal Basin: January 27, 2021



Photo 333: Terminal Basin: January 27, 2021



Photo 334: Terminal Basin: January 27, 2021



Photo 335: Terminal Basin: January 27, 2021



Photo 336: Terminal Basin: January 27, 2021



Photo 337: Terminal Basin: January 27, 2021



Photo 338: Terminal Basin: January 27, 2021



Photo 339: Terminal Basin: February 18, 2021



Photo 340: Terminal Basin: February 18, 2021



Photo 341: Terminal Basin: February 18, 2021



Photo 342: Terminal Basin: February 18, 2021



Photo 343: Terminal Basin: February 18, 2021



Photo 344: Terminal Basin: February 18, 2021



Photo 345: Terminal Basin: March 31, 2021



Photo 346: Terminal Basin: March 31, 2021



Photo 347: Terminal Basin: March 31, 2021



Photo 348: Terminal Basin: March 31, 2021



Photo 349: Terminal Basin: March 31, 2021



Photo 350: Terminal Basin: March 31, 2021



Photo 351: Terminal Basin: March 31, 2021



Photo 352: Terminal Basin: March 31, 2021



Photo 353: Terminal Basin: March 31, 2021



Photo 354: Terminal Basin: March 31, 2021



Photo 355: Terminal Basin: March 31, 2021



Photo 356: Terminal Basin: March 31, 2021



Photo 357: Terminal Basin: March 31, 2021



Photo 358: Terminal Basin: March 31, 2021



Photo 359: Terminal Basin: March 31, 2021



Photo 360: Terminal Basin: March 31, 2021



Photo 361: Terminal Basin: March 31, 2021



Photo 362: Terminal Basin: March 31, 2021



Photo 363: Terminal Basin: March 31, 2021



Photo 364: Terminal Basin: March 31, 2021



Photo 365: Terminal Basin: March 31, 2021



Photo 366: Terminal Basin: March 31, 2021



Photo 367: Terminal Basin: March 31, 2021



Photo 368: Terminal Basin: March 31, 2021



Photo 369: Terminal Basin: March 31, 2021



Photo 370: Sage Mitigation, Deck C: January 27, 2021



Photo 371: Sage Mitigation, Deck C: January 27, 2021



Photo 372: Sage Mitigation, Deck C: February 18, 2021



Photo 373: Sage Mitigation, Deck C: February 18, 2021



Photo 374: Sage Mitigation, Deck B: January 27, 2021



Photo 375: Sage Mitigation, Deck B: January 27, 2021



Photo 376: Sage Mitigation, Deck B: January 27, 2021



Photo 377: Sage Mitigation, Deck B: January 27, 2021



Photo 378: Sage Mitigation, Deck B: January 27, 2021



Photo 379: Sage Mitigation, Deck B: January 27, 2021



Photo 380: Sage Mitigation, Deck B: January 27, 2021



Photo 381: Sage Mitigation, Deck B: February 18, 2021



Photo 382: Sage Mitigation, Deck B: February 18, 2021



Photo 383: Sage Mitigation, Deck B: February 18, 2021



Photo 384: Sage Mitigation, Deck B: March 31, 2021



Photo 385: Sage Mitigation, Deck B: March 31, 2021



Photo 386: Sage Mitigation, Deck A: January 27, 2021



Photo 387: PM-10 Oak Trees: January 27, 2021



Photo 388: PM-10 Oak Trees: January 27, 2021



Photo 389: PM-10 Oak Trees: January 27, 2021



Photo 390: PM-10 Oak Trees: February 18, 2021



Photo 391: PM-10 Oak Trees: February 18, 2021



Photo 392: SPM-10 Oak Trees: February 18, 2021



Photo 393: PM-10 Oak Trees: February 18, 2021



Photo 394: PM-10 Oak Trees: February 18, 2021



Photo 395: PM-10 Oak Trees: February 18, 2021



Photo 396: PM-10 Oak Trees: February 18, 2021



Photo 397: General Site: January 27, 2021



Photo 398: General Site: January 27, 2021



Photo 399: General Site: January 27, 2021



Photo 400 General Site: January 27, 2021



Photo 401: General Site: January 27, 2021



Photo 402: General Site: January 27, 2021



Photo 403: General Site: January 27, 2021



Photo 404: General Site: January 27, 2021



Photo 405: General Site: January 27, 2021



Photo 406: Retaining Wall at Entrance: January 27, 2021



Photo 407: Retaining Wall at Entrance: January 27, 2021



Photo 408: Retaining Wall at Entrance: January 27, 2021



Photo 409: Retaining Wall at Entrance: January 27, 2021



Photo 410: Retaining Wall at Entrance: January 27, 2021



Photo 411: Retaining Wall at Entrance: January 27, 2021



Photo 412: Retaining Wall at Entrance: January 27, 2021



Photo 413: Retaining Wall at Entrance: January 27, 2021



Photo 414: Sierra Highway: January 27, 2021



Photo 415: Sierra Highway: January 27, 2021



Photo 416: Sierra Highway: January 27, 2021



Photo 417: Sierra Highway: January 27, 2021



Photo 418: General Site: January 27, 2021



Photo 419: General Site: January 27, 2021



Photo 420: General Site: January 27, 2021



Photo 421: General Site: January 27, 2021



Photo 422: General Site: January 27, 2021



Photo 423: General Site: January 27, 2021



Photo 424: General Site: January 27, 2021



Photo 425: General Site: January 27, 2021



Photo 426: General Site: January 27, 2021



Photo 427: General Site: January 27, 2021



Photo 428: General Site: January 27, 2021



Photo 429: General Site: January 27, 2021



Photo 430: General Site: January 27, 2021



Photo 431: General Site: January 27, 2021



Photo 432: General Site: January 27, 2021



Photo 433: General Site: January 27, 2021



Photo 434: General Site: January 27, 2021



Photo 435: General Site: January 27, 2021



Photo 436: General Site: January 27, 2021



Photo 437: General Site: January 27, 2021



Photo 438: General Site: January 27, 2021



Photo 439: General Site: January 27, 2021



Photo 440: General Site: January 27, 2021



Photo 441: General Site: January 27, 2021



Photo 442: General Site: January 27, 2021



Photo 443: General Site: January 27, 2021



Photo 444: General Site: January 27, 2021



Photo 445: General Site: January 27, 2021



Photo 446: General Site: January 27, 2021



Photo 447: General Site: January 27, 2021



Photo 448: General Site: January 27, 2021



Photo 449: General Site: January 27, 2021



Photo 450: General Site: January 27, 2021



Photo 451: General Site: January 27, 2021



Photo 452: General Site: January 27, 2021



Photo 453: General Site: January 27, 2021



Photo 454: General Site: January 27, 2021



Photo 455: General Site: January 27, 2021



Photo 456: General Site: January 27, 2021



Photo 457: General Site: January 27, 2021



Photo 458: General Site: January 27, 2021



Photo 459: General Site: January 27, 2021



Photo 460: General Site: January 27, 2021



Photo 461: General Site: January 27, 2021



Photo 462: General Site: January 27, 2021



Photo 463: General Site: February 18, 2021



Photo 464: General Site: February 18, 2021



Photo 465: General Site: February 18, 2021



Photo 466: General Site: February 18, 2021



Photo 467: General Site: February 18, 2021



Photo 468: General Site: February 18, 2021



Photo 469: General Site: February 18, 2021



Photo 470: General Site: February 18, 2021



Photo 471: General Site: February 18, 2021



Photo 472: General Site: February 18, 2021



Photo 473: General Site: February 18, 2021



Photo 474: General Site: February 18, 2021



Photo 475: General Site: February 18, 2021



Photo 476: General Site: February 18, 2021



Photo 477: General Site: February 18, 2021



Photo 478: General Site: February 18, 2021



Photo 479: General Site: February 18, 2021



Photo 480: General Site: February 18, 2021



Photo 481: General Site: February 18, 2021



Photo 482: General Site: February 18, 2021



Photo 483: General Site: February 18, 2021



Photo 484: General Site: February 18, 2021

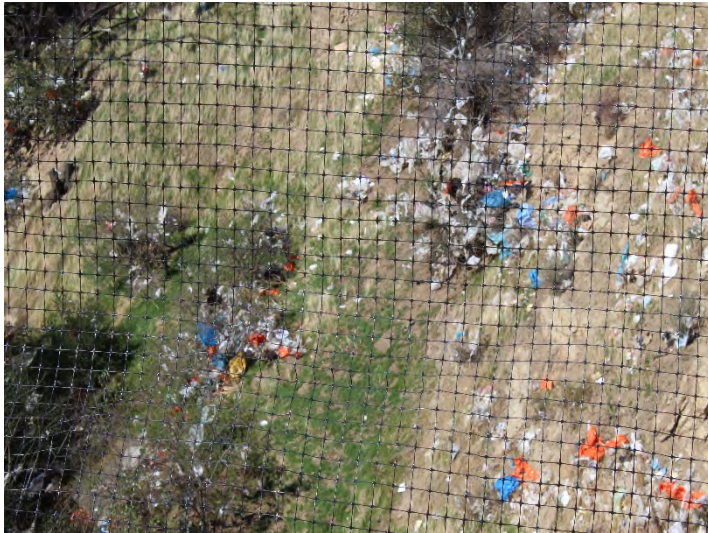


Photo 485: General Site: February 18, 2021



Photo 486: General Site: February 18, 2021



Photo 487: General Site: February 18, 2021



Photo 488: General Site: February 18, 2021



Photo 489: General Site: February 18, 2021



Photo 490: General Site: February 18, 2021



Photo 491: General Site: February 18, 2021



Photo 492: General Site: February 18, 2021



Photo 493: General Site: February 18, 2021



Photo 494: General Site: February 18, 2021



Photo 495: General Site: February 18, 2021



Photo 496: General Site: February 18, 2021



Photo 497: General Site: February 18, 2021



Photo 498: General Site: February 18, 2021



Photo 499: General Site: February 18, 2021



Photo 500: General Site: February 18, 2021



Photo 501: General Site: February 18, 2021



Photo 502: General Site: February 18, 2021



Photo 503: General Site: March 31, 2021



Photo 504: General Site: March 31, 2021



Photo 505: General Site: March 31, 2021



Photo 506: General Site: March 31, 2021



Photo 507: General Site: March 31, 2021



Photo 508: General Site: March 31, 2021



Photo 509: General Site: March 31, 2021



Photo 510: General Site: March 31, 2021



Photo 511: General Site: March 31, 2021



Photo 512: General Site: March 31, 2021



Photo 513: General Site: March 31, 2021



Photo 514: General Site: March 31, 2021



Photo 515: General Site: March 31, 2021



Photo 516: General Site: March 31, 2021



Photo 517: General Site: March 31, 2021



Photo 518: General Site: March 31, 2021



Photo 519: General Site: March 31, 2021



Photo 520: General Site: March 31, 2021



Photo 521: General Site: March 31, 2021



Photo 522: General Site: March 31, 2021



Photo 523: General Site: March 31, 2021



Photo 524: General Site: March 31, 2021



Photo 525: General Site: March 31, 2021



Photo 526: General Site: March 31, 2021



Photo 527: General Site: March 31, 2021



Photo 528: General Site: March 31, 2021



Photo 529: General Site: March 31, 2021



Photo 530: General Site: March 31, 2021

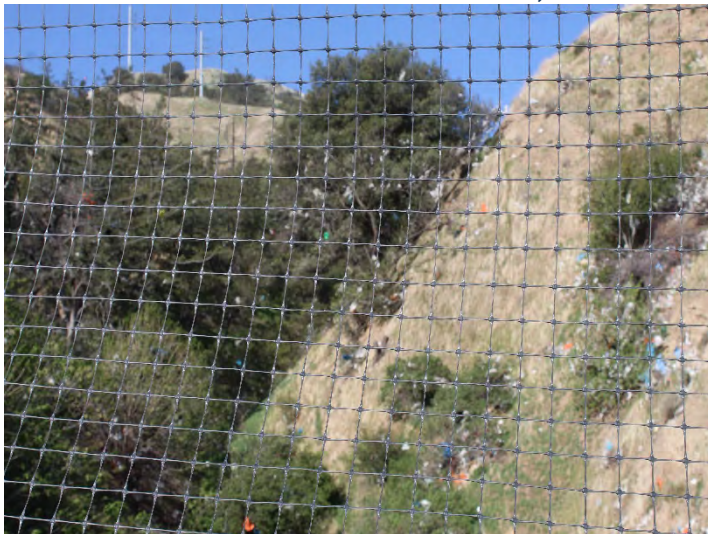


Photo 531: General Site: March 31, 2021



Photo 532: General Site: March 31, 2021



Photo 533: General Site: March 31, 2021



Photo 534: General Site: March 31, 2021



Photo 535: General Site: March 31, 2021



Photo 536: General Site: March 31, 2021



Photo 537: General Site: March 31, 2021



Photo 538: General Site: March 31, 2021



Photo 539: General Site: March 31, 2021



Photo 540: General Site: March 31, 2021



Photo 541: General Site: March 31, 2021



Photo 542: General Site: March 31, 2021



Photo 543: General Site: March 31, 2021



Photo 544: General Site: March 31, 2021



Photo 545: General Site: March 31, 2021



Photo 546: General Site: March 31, 2021



Photo 547: General Site: March 31, 2021



Photo 548: General Site: March 31, 2021



Photo 549: General Site: March 31, 2021



Photo 550: General Site: March 31, 2021



Photo 551: General Site: March 31, 2021



Photo 552: General Site: March 31, 2021



Photo 553: General Site: March 31, 2021



Photo 554: Road Realignment : March 31, 2021



Photo 555: Road Realignment : March 31, 2021



Photo 556: Road Realignment : March 31, 2021



Photo 557: Road Realignment : March 31, 2021



Photo 558: Road Realignment : March 31, 2021



Photo 559: Road Realignment : March 31, 2021



Photo 560: Road Realignment : March 31, 2021



Photo 561: Road Realignment : March 31, 2021



Photo 562: Road Realignment : March 31, 2021



Photo 563: Road Realignment : March 31, 2021



Photo 564: Road Realignment : March 31, 2021



Photo 565: Road Realignment : March 31, 2021



Photo 566: Road Realignment : March 31, 2021



Photo 567: Road Realignment : March 31, 2021



Photo 568: Road Realignment : March 31, 2021



Photo 569: Road Realignment : March 31, 2021



Photo 570: Road Realignment : March 31, 2021



Photo 571: Road Realignment : March 31, 2021



Photo 572: Road Realignment : March 31, 2021



Photo 573: Road Realignment : March 31, 2021



Photo 574: Road Realignment : March 31, 2021



Photo 575: Road Realignment : March 31, 2021



Photo 576: Road Realignment : March 31, 2021



Photo 577: Road Realignment : March 31, 2021



Photo 578: Road Realignment : March 31, 2021



Photo 579: Road Realignment : March 31, 2021



Photo 580: Road Realignment : March 31, 2021



Photo 581: Road Realignment : March 31, 2021



Photo 582: Road Realignment : March 31, 2021



Photo 583: Road Realignment : March 31, 2021



Photo 584: Road Realignment : March 31, 2021



Photo 585: Road Realignment : March 31, 2021



Photo 586: Road Realignment : March 31, 2021



Photo 587: Road Realignment : March 31, 2021



Photo 588: Road Realignment : March 31, 2021



Photo 589: Road Realignment : March 31, 2021



Photo 590: Road Realignment : March 31, 2021



Photo 591: Road Realignment : March 31, 2021



Photo 592: Road Realignment : March 31, 2021



Photo 593: Road Realignment : March 31, 2021



Photo 594: Road Realignment : March 31, 2021



Photo 595: Road Realignment : March 31, 2021



Photo 596: Road Realignment : March 31, 2021



Photo 597: Road Realignment : March 31, 2021



Photo 598: Road Realignment : March 31, 2021



Photo 599: Road Realignment : March 31, 2021



Photo 600: Road Realignment : March 31, 2021



Photo 601: General Site: March 31, 2021



Photo 602: General Site: March 31, 2021

Appendix II

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

Sunshine Canyon Landfill

Site Monitoring Procedures for January, February and March 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 January through March 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.

January 2021

Sunshine Canyon Landfill Meeting Log
January 27, 2021 Site Visit
February 4, 2021 Site Monitoring Conference Call

Site Visit performed by Mike Lindsay and Michelle Tollett (UltraSystems) in separate vehicles.

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

Participants:

Edgar De La Torre, LACDRP
Gabriel Esparza, LACDPW
Vu Truong, LACDPW
Dave Thompson, LA City Site LEA
James Aidukas, UltraSystems
Mike Lindsay, UltraSystems
Michelle Tollett, 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. After reviewing the photos and observation record, a post-site visit conference call was held to discuss Sunshine Canyon Landfill operations and the status of construction, maintenance and compliance for the month of July. 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:

- a. James Aidukas stated that Basin A and the area around it were observed, noting the extreme amount of windblown litter, and asked where the operating area was when this occurred. (Photos 9929-9933, 9892-9915, 9928, 9934)
 - o Chris Coyle stated that the active area was in the upper portion of Cell CC-4 Part 3. Winds got up to 60 MPH and the site shut down at noon on that day (January 12) and the following day. Removal of some of the litter on the steep slopes is a safety concern and removal methods will be investigated. Litter is being removed where it is accessible. Even though the litter was blown to the top of the internal slopes, none left the site.
 - o Dave Thompson stated that from the LEA perspective, only one or two pieces of litter went over the ridge into O'Melveny Park. Chris Coyle had personnel cleaning up O'Melveny Park and the neighborhood of litter that was not from the landfill. The LEA is requiring that Republic develop a plan to get the litter out of the hard-to-reach places.
- b. James Aidukas asked if the Cell CC-4 Part 4 lower area with litter fences around it is a wind-protected area for further operations on windy days? (Photos 9861-9863)
 - o Chris Coyle stated that it is a more protected area, but the cell has to have a couple of lifts and the access road expanded before it can be used for the daily operations. The low points at the gabion recovery structures cannot be filled when there is rain.

- c. James Aidukas asked if the outlet risers' rock in Bason A was cleared of sediment this year?
 - o Bill Carr stated that the rock was moved, cleaned, and re-stacked.
- d. James Aidukas stated that the Cell CC-4 Part 3 working area was observed. (Photos 9975-9988) He asked if there were any issues with using ADC during the high-wind events. How many Stericycle trucks arrive each day and are they a source of an odor problem? Has Republic identified the source of odors?
 - o Chris Coyle stated they use ADC before, during and after the high winds, and it held up well and there were no problems. The Stericycle trucks are not a source of waste odors leaving the site. There are approximately only 300 tons per day of this waste coming to the site. The source of odors leaving the site is fresh trash. The waste coming to the site by the hauler, Innovative Trucks, was identified as one of the odorous waste sources.
- e. James Aidukas asked if COVID-19 could be the cause of an odorous waste stream?
 - o Chris Coyle stated that the residential waste stream has increased during this COVID-19 period causing an increase in wet organics that sit in residential trash cans for a week before disposal. The solution is for organic recycling facilities to be built to process the organics.
- f. James Aidukas stated that the Closure Turf on the City slopes was observed and that there were no operational concerns noted. (Photos 9870-9872, 9924)
 - o Chris Coyle acknowledged the statement.
- g. James Aidukas stated that the County top deck and wet weather disposal area was observed. There were no concerns with the wet weather operations area. (Photos 9853-9855, 9864-9869) He asked what is the elevation after the stockpiled soil is removed. (Photos 9853 and 9854) What is the revised landfill capacity?
 - o Chris Coyle did not know what the elevation is after removing the stockpiled soil. The amount of waste capacity available will be recalculated when all of the stockpile is removed.
- h. James Aidukas stated that the Adler liquids handling facility was observed and that there were no localized odors detected and that there were no operational concerns. (Photos 9837-9839)
 - o Chris Coyle acknowledged the statement.
- i. James Aidukas stated that Basin B was observed. The basin was free of litter and there were no operational concerns. (Photos 9966-9971)
 - o Chris Coyle Chris Coyle acknowledged the statement.
- j. James Aidukas stated that the eastside drainage channel was observed. There were no operation concerns noted. One area of the channel had some brush and tree branches in the channel, but it was not enough to cause a blockage of water flow. (Photos 9972-9974, 9840-9843)
 - o Chris Coyle Chris Coyle acknowledged the statement.
- k. James Aidukas stated that the terminal basin and eastside channels were observed (Photos 9972-9974, 9790, 9795-9801). He asked the following questions:

1. What is the strategy for using the skimmers?
 - Chris Coyle stated that they are lifted during a rain event. Once there is no rain and the water has time for the sediment to settle, the skimmers are lowered. This is done by a visual determination.
 2. Was the litter blown into the basin by the wind and can it be removed once the sediment is wet?
 - Chris Coyle stated that the litter and tumbleweeds in the channels happened during the storm. These areas were cleaned in the prior weeks before the storm. He stated that they are looking at the conditions and will determine if anything can be done.
 - Dave Thompson stated that he would not recommend having people down in the sediment to remove the litter.
 3. The concrete walkway around the basin is lifting under the fence in the vicinity of the cutoff wall location. Did your engineers look at why this is occurring?
 - Chris Coyle stated that this walkway will be removed along with the concrete wall and floor of this area of the basin within a year when the toe berm construction starts.
- l. James Aidukas stated that the City decks A, B and C and the PM-10 berm was observed. Michelle Tollett summarized what she saw:
1. Deck A has a bad infestation of Yellow-Star thistle. If not controlled early, it can take over the area.
 2. Deck B looked good, with a minor number of non-native grasses. The mitigation plan to start with native islands and let the bare areas naturally fill in is working well.
 3. Deck C looked good with vegetation growing on the slopes. Native birds and mule deer were seen in the area.
 4. The PM-10 berm was walked and 42 dead mature oaks were counted. Eleven saplings were planted in the berm area.
 5. From a prior visit, she observed that there were numerous Big Cone Fir trees that were dead and asked if any replacement plans were developed.
 6. The County sage mitigation slopes appear to be filling and look good. Buckwheat, which is known as a pioneer species, was seen growing on the slopes.
 - Chris Coyle stated that the saplings that were planted on the PM-10 berm were done by employees on a Saturday afternoon in an adopt-a-tree program. The consulting biologist recommends waiting to see if the fire-damaged trees and mitigation vegetation will recover. A 4th Quarter vegetation report will be out soon which addresses the latest status of recovery and plans for replacement if required.
- m. James Aidukas stated that the front retaining wall was observed and asked if the County Public Works' road department has been notified of the rockslide and potential road impacts? (Photos 9808-9812)
- Chris Coyle stated that he has not contracted the County or City on the slide issue, and asked if the County can pass this on to the road maintenance division.
- n. James Aidukas stated that the Sierra Highway roadway was observed, and illegal dumping and litter were seen near the I-14 overpass. (Photos 9823-9826).
- Chris Coyle stated that the illegally dumped material and litter was picked up.

- o. James Aidukas asked if any progress had been made on the Chatsworth mitigation area extension letters from the US Corps of Engineers and California Fish and Wildlife?
 - o Chris Coyle stated that they have been contacted and no letter has yet been issued. The City is putting the ordinance on hold which has stopped any progress.

Site Operations

Mike Lindsay asked the following questions:

- 1. Were there any notices of violation (NOVs) issued in January 2021?
- 2. Were there any operational complaints in January 2021?
- 3. Are the gas levels at the perimeter gas probes P-205 and P-243 being controlled?
 - o Chris Coyle stated that there were no NOVs or operational complaints in January. The perimeter gas probes were compliant with gas levels less than 3%.

Mike Lindsay then summarized his MMSRF site report.

Edgar De La Torre stated that with the high-wind season upon us, what is the most effective way to control litter from going uncontrolled onsite and possible offsite?

- a. Chris Coyle stated that there is no one method that can be used to control litter. The wind direction, speed, landfill active area size and location all impact how litter leaves the active filling area. The site employs three levels of litter fencing. There are approximately 40 movable litter fences on the site. Placement of fences, slowing down dumping to relocate fences when the wind shifts, and having an available filling area that has quiet wind zones can control litter in normal high-wind conditions; 50 to 60 MPH winds are not normal.

Edgar De La Torre asked if there is a plan showing liner limits for each cell?

- b. Chris Coyle stated that the fill sequencing plan in the annual report shows those limits.

The conference call was then concluded.

**Sunshine Canyon Landfill
January 27, 2021 Site Visit
Conference Call Discussion Items**

Site Visit Participants

Mike Lindsay, UltraSystems – Separate Vehicle
Michelle Tollett, UltraSystems – Separate Vehicle

Discussion Topics After Reviewing Site Visit Photos

1. (Photos 9929-9933) Basin A was observed.
 - a.) When did the litter problem occur?
 - b.) Was the windblown litter removed?
 - c.) Was the riser rock cleared of sediment this year?
2. (Photos 9892-9915, 9928, 9934) Hillsides above and the westside drainage channels near Basin A were observed.
 - a.) Did any litter leave the site and end up in Bee Canyon or the adjacent neighborhood?
3. (Photos 9975-9988) The Cell CC-4 Part 3 working area was observed.
 - a.) Were there any issues with using ADC during the high-wind events?
 - b.) How many Stericycle trucks arrive each day? Are they a source of an odor problem?
 - c.) Where was the disposal active area when the high winds occurred?
4. (Photos 9861-9863) Cell CC-4 Part 4A was observed.
 - a.) When will trash be placed over the low point at the gabion drainage blocks?
 - b.) Will this area be a wind-protected area for disposal?
5. (Photos 9870-9872, 9924) The closure turf on the City slopes was observed.
 - a.) There were no operational concerns noted.
6. (Photos 9853-9855, 9864-9869) The County top deck and wet weather disposal operations was observed.
 - a.) There were no concerns with the wet weather operations.
 - b.) In photos 9853 and 9854, what is the elevation after the stockpiled soil is removed.
7. (Photos 9837-9839) The liquids handling was observed.
 - a.) There were no localized odors detected and no operational concerns.
8. (Photos 9966-9971) Basin B was observed.
 - a.) The basin was free of litter. There were no operational concerns.

9. (Photos 9972-9974, 9840-9843) The eastside drainage channels were observed.
 - a.) There were no operational concerns.
 - b.) Some brush and tree branches were in a portion of the channel.

10. (Photos 9771-9783, 9790, 9795-9801) The terminal basin and channels were observed.
 - a.) The skimmer system was in the raised position. What is the strategy for utilizing the skimmers?
 - b.) What is the plan for removing the wind-blown trash and tumbleweeds in and around the basin and in the channels?
 - c.) Did this litter blow into the basin?
 - d.) The concrete under the basin to fencing has lifted. What is the cause of the lifting?

11. (Photos 9888-9890) The City decks A, B, C and PM-10 berm were observed.
 - a.) How often do the landscape crew pull invasive weeds?
 - b.) There were numerous dead oak trees in the PM-10 berm area.
 - c.) When will your fourth quarter vegetation report be submitted?

12. (Photos 7990, 7991) The County sage mitigation area was observed.
 - a.) No work has been done in this area.
 - b.) California Buckwheat is naturally re-establishing on the slopes.

13. (Photos 9808-9812) The front retaining wall was observed.
 - a.) Has County Public Works road department been notified of the rockslide and potential road impacts?

14. (Photo 9823-9826) Sierra Highway was observed.
 - a.) Illegal dumping and litter were seen near the I-14 overpass.

Site Operations

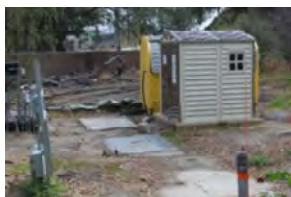
1. Were there any notices of violation (NOVs) issued in January 2021?
2. Were there any operational complaints in January?
3. Are the gas levels at the perimeter gas probes P-205 and P-243 still being controlled?
4. What is the status of accepting waste at Cell CC-4 Part 4A?



IMG_9808.jpg



IMG_9809.jpg



IMG_9810.jpg



IMG_9811.jpg



IMG_9812.jpg



IMG_9813.jpg



IMG_9814.jpg



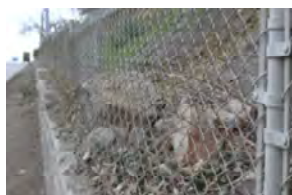
IMG_9816.jpg



IMG_9817.jpg



IMG_9818.jpg



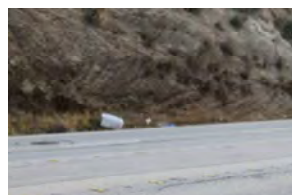
IMG_9819.jpg



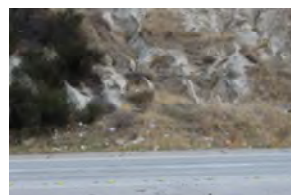
IMG_9820.jpg



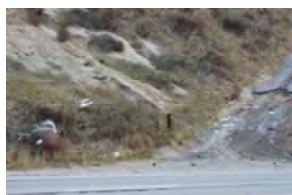
IMG_9822.jpg



IMG_9823.jpg



IMG_9824.jpg



IMG_9825.jpg



IMG_9826.jpg



IMG_9827.jpg



IMG_9828.jpg



IMG_9829.jpg



IMG_9830.jpg



IMG_9831.jpg



IMG_9832.jpg



IMG_9833.jpg



IMG_9834.jpg



IMG_9835.jpg



IMG_9836.jpg



IMG_9837.jpg



IMG_9838.jpg



IMG_9839.jpg



IMG_9840.jpg



IMG_9841.jpg



IMG_9842.jpg



IMG_9843.jpg



IMG_9844.jpg



IMG_9845.jpg



IMG_9846.jpg



IMG_9847.jpg



IMG_9848.jpg



IMG_9849.jpg



IMG_9851.jpg



IMG_9852.jpg



IMG_9853.jpg



IMG_9854.jpg



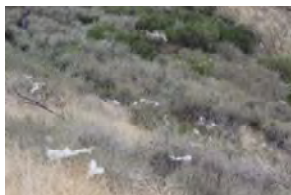
IMG_9855.jpg



IMG_9856.jpg



IMG_9857.jpg



IMG_9858.jpg



IMG_9859.jpg



IMG_9860.jpg



IMG_9861.jpg



IMG_9862.jpg



IMG_9863.jpg



IMG_9864.jpg



IMG_9865.jpg



IMG_9866.jpg



IMG_9867.jpg



IMG_9868.jpg



IMG_9869.jpg



IMG_9870.jpg



IMG_9871.jpg



IMG_9872.jpg



IMG_9873.jpg



IMG_9874.jpg



IMG_9875.jpg



IMG_9876.jpg



IMG_9877.jpg



IMG_9878.jpg



IMG_9879.jpg



IMG_9885.jpg



IMG_9886.jpg



IMG_9887.jpg



IMG_9888.jpg



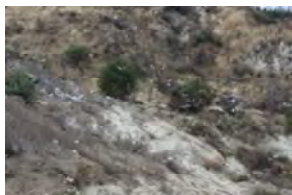
IMG_9889.jpg



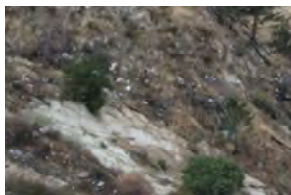
IMG_9890.jpg



IMG_9891.jpg



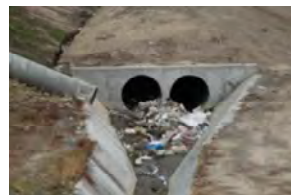
IMG_9892.jpg



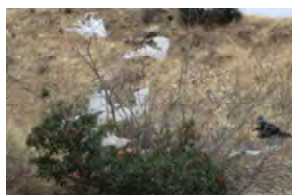
IMG_9893.jpg



IMG_9894.jpg



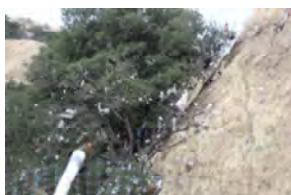
IMG_9895.jpg



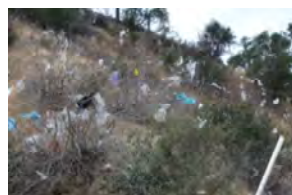
IMG_9896.jpg



IMG_9897.jpg



IMG_9898.jpg



IMG_9899.jpg



IMG_9900.jpg



IMG_9901.jpg



IMG_9902.jpg



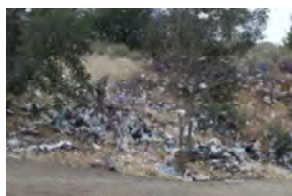
IMG_9903.jpg



IMG_9904.jpg



IMG_9905.jpg



IMG_9906.jpg



IMG_9907.jpg



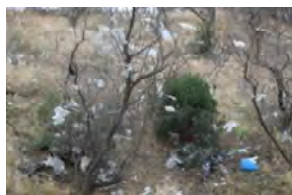
IMG_9908.jpg



IMG_9909.jpg



IMG_9910.jpg



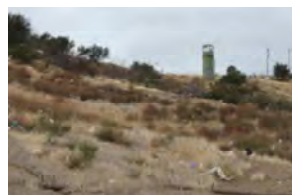
IMG_9911.jpg



IMG_9912.jpg



IMG_9913.jpg



IMG_9914.jpg



IMG_9915.jpg



IMG_9916.jpg



IMG_9917.jpg



IMG_9918.jpg



IMG_9919.jpg



IMG_9920.jpg



IMG_9921.jpg



IMG_9922.jpg



IMG_9923.jpg



IMG_9924.jpg



IMG_9925.jpg



IMG_9926.jpg



IMG_9927.jpg



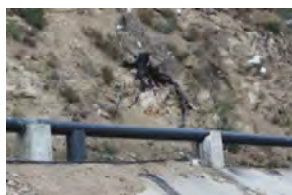
IMG_9928.jpg



IMG_9929.jpg



IMG_9930.jpg



IMG_9931.jpg



IMG_9932.jpg



IMG_9933.jpg



IMG_9934.jpg



IMG_9935.jpg



IMG_9936.jpg



IMG_9937.jpg



IMG_9938.jpg



IMG_9939.jpg



IMG_9940.jpg



IMG_9941.jpg



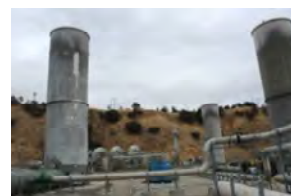
IMG_9942.jpg



IMG_9943.jpg



IMG_9944.jpg



IMG_9945.jpg



IMG_9949.jpg



IMG_9952.jpg



IMG_9953.jpg



IMG_9954.jpg



IMG_9955.jpg



IMG_9956.jpg



IMG_9957.jpg



IMG_9958.jpg



IMG_9959.jpg



IMG_9960.jpg



IMG_9961.jpg



IMG_9962.jpg



IMG_9963.jpg



IMG_9964.jpg



IMG_9965.jpg



IMG_9966.jpg



IMG_9967.jpg



IMG_9968.jpg



IMG_9969.jpg



IMG_9970.jpg



IMG_9971.jpg



IMG_9972.jpg



IMG_9973.jpg



IMG_9974.jpg



IMG_9975.jpg



IMG_9976.jpg



IMG_9977.jpg



IMG_9978.jpg



IMG_9979.jpg



IMG_9980.jpg



IMG_9981.jpg



IMG_9982.jpg



IMG_9983.jpg



IMG_9984.jpg



IMG_9985.jpg



IMG_9986.jpg



IMG_9987.jpg



IMG_9988.jpg

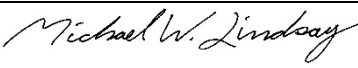
**SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT**

Monitor: Mike Lindsay	Page: 1 of 2
Discipline: Environmental Engineer	Date: 01-27-2021 Wednesday
Site Conditions: Cloudy, light rain, 45–55 °F, SE 6–16 mph, 61% RH, 45 AQI	
SITE LOG	
<ol style="list-style-type: none"> 1. No odors are present at the adjacent neighborhood or school at 7:50 am. 2. Checked into office via phone with Chris Coyle (Republic Services). 3. Terminal basin has wind-blown trash and tumbleweeds at the inlet area and channel, with water collected above gabion wall and at riser drains. Skimmers are in the raised position. 4. Concrete coping has lifted up again along high access road at terminal basin. 5. Trash and debris have collected at terminal basin outlet north wall. 6. No erosion is present on north-facing slopes along terminal basin inlet area below main haul road. 7. No odors are present at the sewer lift station near landfill entrance. 8. Downed trees and debris are present inside of perimeter block wall near the sewer connection. 9. Fallen rocks have pushed the chain-link fencing further out towards San Fernando Road at the front entrance retaining wall. 10. Sierra Highway has some roadside trash and debris, including an ice chest and wind-blown trash near the I-14 overpass. 11. Closure turf at the City north slopes is in good order, with no odors present. 12. The eastside drainage channel and spillway are in good order. 13. The admin facility is in good order. 14. No odors are present at the Alder tank farm. 15. Met with Michelle Tollett (UltraSystems biologist), who followed me in a separate vehicle. 16. The County sage mitigation slopes are showing signs of growth due to recent rains, including sage and buckwheat along the southwest side of slope. 17. Street sweepers are cleaning the haul roads. 18. The westside drainage channel is clear and in good order. 19. Observed overall landfill operations from observation deck, including maintenance yard, Cell CC-4 Part 3 and Part 4A, City north slopes and top deck. 20. Track-out rumble strips are in-place for working area exit. 21. Wind-blown trash is present in natural drainage and slopes south of sediment basin A due to recent high-wind events. 22. City deck A sage mitigation area has some wind-blown trash across site due to high wind events. New vegetation growth is present due to recent rains. 23. City deck B is in good order. 24. City deck C is showing signs of growth, with some wind-blown trash present. 25. The PM-10 berm mitigation oak trees are showing some green growth at upper branches, but many of the trees have died. 26. Water misters are operating along the PM-10 berm for odor and dust control. 27. Flare 1 is operating at 2418 scfm, 1652 °F. Gas sample measured at 31 % Vol. CH₄, 1.5 % Vol. O₂, 100 ppm H₂S and 335 ppm CO. Gas inlet temperature is 90 °F. 28. Wind-blown trash is present on slopes below Flare 3. 29. Flare 3 is offline. 30. Sediment basin A is in good order, with wind-blown trash collected at back of basin. 	


31. Sediment basin D is in good order.
32. The storage yard is in good order, with two vehicles, used tires and a mattress being stored.
33. Water trucks are applying water to site for dust control.
34. Flare 9 is operating at 2478 scfm, 1633 °F. Gas sample measured at 41 % Vol. CH₄, 1.1 % Vol. O₂, 76 ppm H₂S and 376 ppm CO. Gas inlet temperature is 122 °F. Blowers 1, 2, 3, 5 and 6 are operating. Gas inlet temperature is 100 °F.
35. Flare 10 is operating at 2385 scfm, 1653 °F.
36. Flare 11 is operating at 2403 scfm, 1697 °F. Gas inlet temperature is 97 °F.
37. Blower number 4 has been removed.
38. Sunshine Gas Producers gas volume is at 8572 scfm.
39. A localized landfill gas odor is present at the output flange of blower five (second blower from the northeast slope).
40. New Atlas Capo equipment has been installed on a concrete pad that includes a sheet metal roof.
41. Sediment basin B is in good order, with some water present at riser drains.
42. Sediment basin D outlet channel is in good order.
43. Traffic spotters are onsite to control traffic.
44. Cell CC-3A is in good order, with stockpiled soil and crushed asphalt.
45. Cell CC-4 Part 3 working area is in good order, where the ADC is 80% covered with new trash at 12:30 pm. Four tippers are active, with moving-floor trucks dumping to the east-side of cell.
46. No seeps are present at Cell CC-4 Part 4A slopes.
47. Checked out of office with Chris Coyle via phone.

FURTHER REVIEW NEEDED

1. Remove wind-blown trash at terminal basin inlet and outlet areas.
2. Remove wind-blown trash and debris along Sierra Highway.
3. Remove wind-blown trash at back of sediment basin A and southwest slopes.
4. Repair gas leak at blower number five output flange near Flare 11.

Signed: 

**SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT**

Monitor: Michelle Tollett	Page: 1 of 1
Discipline: Senior Biologist	Date: 01-27-2021 Wednesday
Site Conditions: Overcast, 53-57°F, 0-3 mph	
SITE LOG	
<ol style="list-style-type: none">1. Michael Lindsay checked into office for UltraSystems via telephone with Republic Services.2. I followed Michael Lindsay (UEI) in separate vehicle to County sage mitigation slope and Deck A site locations, then completed the remainder of the survey solo.3. The County sage mitigation slope is in good condition in that it appears that California buckwheat is continuing to recover and expand (ever so slowly) into the bare soil exposed areas. Invasive annuals were not visible this time of year.4. City deck A is recovering from the Saddleridge fire (October 2019); however, a very concerning invasion of yellow star thistle, Russian thistle, and short-pod mustard should be controlled as soon as possible.5. City deck B is also recovering from the Saddleridge fire and looks very well maintained with few invasive species. Some annual non-native grasses are beginning germination after the recent rains. Be aware that erosion may occur this year due to the ash creating a barrier on the soil, which may increase the velocity of the runoff. Erosion control BMPs onsite should be maintained in preparation for rain events. Seeding the site (tamping into the soil) this time of year is recommended, especially for fire following species, which will add to the erosion control efforts. Seeding is relatively cheap and will have long-term benefits.6. City deck C is in good order, also recovering from the Saddleridge fire. It appears that weeds are controlled, perhaps a few non-native annual grasses are beginning to germinate. A new section of the native <i>Helianthus annuus</i> (hairy sunflower) is growing, which was not previously present and is likely a recruited volunteer. The <i>Elymus tritichoides</i> (beardless wild rye) is expanding on the downslope side for the project and is doing well. Seeding the site (tamping into the soil) this time of year is recommended, especially for fire following species, which will aid the erosion control efforts. Seeding is relatively cheap and will have long-term benefits.7. Three mule deer, an American kestrel, cottontail rabbit, California towhee, and white-crowned sparrows were observed in Deck C.8. The PM-10 berm mitigation oak trees appear to have suffered the most due to the fire. I walked the berm and tallied dead and replanted trees, resulting in a tally of 42 dead oaks, 11 replanted (although 2 mortalities of the 11 planted). Therefore, a minimum of 33 replantings are necessary to mitigate the loss. Approximately 15 other oaks in "poor" condition, which should be monitored for survival. Suggest contacting Architerro/JMA to confirm quarterly or semi-annual monitoring is occurring for the oaks on the PM-10 berm and the big cone Douglas fir mitigation Area. Many of the fire-damaged oaks are recovering and have green leaves and new shoots.9. I visited the new administrative office locations and arrangement.10. Michael Lindsay checked out of office via telephone for UltraSystems.	
FURTHER REVIEW NEEDED	
<ol style="list-style-type: none">1. Contact Architerro/JMA to determine their monitoring schedule and plan for tree replacement within the PM-10 and big cone Douglas fir mitigation areas.	
Signed: 	

February 2021

Sunshine Canyon Landfill Meeting Log
February 18, 2021 Site Visit
February 25, 2021 Site Monitoring Conference Call

Site Visit performed by Mike Lindsay and Michelle Tollett (UltraSystems) in separate vehicles.

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

Participants:

Edgar De La Torre, LACDRP
Gabriel Esparza, LACDPW
Vu Truong, LACDPW
Dave Thompson, LA City Site LEA
James Aidukas, UltraSystems
Mike Lindsay, UltraSystems
Michelle Tollett, 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. After reviewing the photos and observation record, a post-site visit conference call was held to discuss Sunshine Canyon Landfill operations and the status of construction, maintenance and compliance for the month of July. 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:

- a. James Aidukas stated that the maintenance shop area was observed and asked when will the maintenance shop be moved and to what location. (Photos 989, 990)
 - o Chris Coyle stated that it will be moved in the middle of 2021 to the existing SCS shop area near the eastside perimeter channel.
- b. James Aidukas stated that the Cell CC-4 Part 3 and Cell CC-4 Part 4A working areas were observed. He asked if Part 4A is accepting all of the packer trucks and when will the tippers and other transfer trucks use Part 4A. (Photos 991-0014, 0050-065, 0072)
 - o Chris Coyle stated that the site's access only allows for the packer trucks to dump in the Cell CC-4 Part 4A until the floor is built up. Wind conditions will also limit when it can be filled. There are no other conditions restricting the use.
- c. James Aidukas stated that the Closure Turf slopes were observed and that the covered slopes were well-maintained. There were no concerns noted. (Photos 0015-0020)
 - o Chris Coyle acknowledged the statement.
- d. James Aidukas stated that a multi-pipe riser was observed near the scale area. He asked what is the function of this multiple pipe riser. (Photo 0021)
 - o Chris Coyle stated this is part of the super-sump liquid removal system.

- e. James Aidukas stated that the new office area was observed. He asked are the restrooms and sinks in the office trailers functional. Where does the wastewater go? (Photos 0022-0024)
 - o Chris Coyle stated that they are working and that the wastewater goes into septic tanks in the parking lot, which are serviced once per week. The Andy Gump Port-A-Potties are for temporary workers' use.
- f. James Aidukas stated that the Adler Tank liquids handling and treatment system was observed. He asked is there is a secondary containment berm around the hydrogen peroxide containers shown in Photo 0025. (Photos 0025-0037)
 - o Chris Coyle stated that the whole liquids handling facility is in an area that is graded for controlling liquids and lined with a HDPE liner to provide a secondary containment around the facility.
- g. James Aidukas stated that the eastside drainage channel was observed. Sediment and debris were in portions of the channel. He asked do you periodically clean this in the rainy season or wait until dry conditions in August and September. (Photos 0028, 0029, 0039, 0040)
 - o Chris Coyle stated that if it is impeding flow or has litter in it, they will clean it. Sediment or minor brush or growing vegetation will be taken care of when it is dry and before October 1.
- h. James Aidukas stated that the facility scales and exit roadway were observed. There were no operation concerns noted. (Photos 0041, 0042)
 - o Chris Coyle acknowledged the statement.
- i. James Aidukas stated that transfer trucks and cover soil hauling trucks were observed. Localized dust clouds were generated from the roads being used. (Photos 0066, 0067, 0074)
 - o Chris Coyle stated that he will tell operations personnel to pay closer attention to the temporary dirt roads and have the water trucks increase watering the temporary roads as needed.
- j. James Aidukas stated that the Basin A area and the Old City South area were observed. Basin A was free of sediment and was dry; windblown litter was observed in the westside channel and in the back and side slopes with native vegetation; a PVC litter fence was installed on the access road just south of the basin; windblown litter was observed on the Old City South slopes. He asked what steps have been taken to remove this litter. (Photos 0068-0070, 0075-0079)
 - o Chris Coyle stated that he would like to address the litter on a total site scale. He said they were working closely with the LEA with regard to the litter and remediation. It is important to note that the litter did not leave the ridgelines of the site. He stated that they were putting together a plan that will be given to the LEA at the end of next week. They have installed over 5,000 feet of deer fencing for litter control.
- k. James Aidukas stated that the north and south perimeter gates were observed. The north gate was locked; the south gate was not locked. (Photos 0106, 0143)
 - o Dennis Montano stated that their red lock has been cut off numerous times. However, now soil and vegetation make it difficult to open up the gate. Chris Coyle said that they would clean around the gate and lock it.
- l. James Aidukas stated that the DCOR oil field was observed. The flare was burning production gas in a short stack flare. This flare was permitted by CalGEM. The use of this type of oil field

flare in this canyon may not be appropriate and consistent with City of Los Angeles fire regulations. We will ask LAFD to concur with the equipment use. (Photo 0142)

- Chris Coyle stated that that would be the best thing to do because he has no control over the oil field operations and their permitting through CalGEM.
- m. James Aidukas stated that the terminal basin was observed. The basin had some standing water, but was cleared of sediment and ready for winter rains. (Photos 0145-0149)
 - Chris Coyle acknowledged the statement.

Site Operations

1. Were there any notices of violation (NOVs) issued in February 2021?
2. Were there any operational complaints in February 2021?
 - Chris Coyle stated that there were no NOVs in February, but that there were four or five odor complaints in February. The LEA issued an AOC for litter clean-up. The perimeter gas probes were compliant with gas levels less than 3%.

James Aidukas asked if there had been any progress on the City ordinance for the Chatsworth mitigation site or receiving extension letters from the Corps of Engineers or California Fish and Wildlife.

- Chris Coyle stated that the delay in the issuance of the City ordinance is delaying any progress. Due to budget and staffing constraints, he does not anticipate the City moving on this for quite a while.

Mike Lindsay then summarized his MMSRF site report.

The conference call was then concluded.

**Sunshine Canyon Landfill
February 18, 2021 Site Visit
Conference Call Discussion Items**

Site Visit Participants

Mike Lindsay, UltraSystems – Separate Vehicle

Edgar De La Torre and Diana Gonzalez, LACDRP – Separate Vehicle

Discussion Topics After Reviewing Site Visit Photos

1. (Photos 989, 990) The maintenance shop area was observed.
 - a.) When will the maintenance shop be moved and to what location?
2. (Photos 991-0014, 0050-0065, 0072) Cell CC-4 Part 3 and Cell CC-4 Part 4A working areas were observed.
 - a.) Is Part 4A accepting all of the packer trucks?
 - b.) When will the tippers and other transfer trucks use Part 4A?
3. (Photos 0015-0020) The Closure Turf slopes were observed.
 - a.) The covered slopes were well-maintained. There were no concerns noted.
4. (Phot 0021) A multi-pipe riser was observed near the scale area.
 - a.) What is the function of this multiple pipe riser?
5. (Photos 0022-0024) The new office area was observed.
 - a.) Are the restrooms and sinks in the office trailers functional?
 - b.) Where does the wastewater go?
6. (Photos 0025-0037) The Adler Tank liquids handling and treatment system was observed.
 - a.) Is there a secondary containment berm around the hydrogen peroxide containers shown in Photo 0025?
 - b.) What is the HDPE pipeline for shown in Photo 0027?
7. (Photos 0028, 0029, 0039, 0040) The eastside drainage channel was observed.
 - a.) Sediment and debris were in portions of the channel.
8. (Photos 0041, 0042) The facility scales and exit roadway were observed.
 - a.) There were no operational concerns noted.
9. (Photos 0066, 0067, 0074) Transfer trucks and cover soil hauling trucks were observed.
 - a.) Localized dust clouds were generated from the roads being used.
10. (Photos 0068-0070, 0075-0079) The Basin A area and the Old City South area were observed (Photos 0018, 0019).
 - a.) Basin A was free of sediment and was dry.
 - b.) Windblown litter was observed in the westside channel and native vegetation.

- c.) A PVC litter fence was installed on the access road just south of the basin.
 - d.) Windblow litter was observed on the Old City South slopes.
 - e.) What steps have been taken to remove this litter?
11. (Photos 0106, 0143) The north and south perimeter gates were observed.
- a.) The north gate was locked; the south gate was not locked.
12. (Photos 0142) The DCOR oil field was observed.
- a.) The flare was burning production gas.
13. (Photos 0145-0149) The terminal basin was observed.
- a.) The basin had standing water.

Site Operations

- 1. Were there any notices of violation (NOVs) issued in February 2021?
- 2. Were there any operational complaints in February 2021?
- 3. Has there been any progress on the City ordinance for the Chatsworth mitigation site?
- 4. Have extension letters been obtained from the Corps of Engineers and California Fish and Wildlife for the mitigation project?

Site Visit Comments Mike Lindsay

To be discussed during conference call.



IMG__989.jpg



IMG__990.jpg



IMG__991.jpg



IMG__992.jpg



IMG__993.jpg



IMG__994.jpg



IMG__995.jpg



IMG__996.jpg



IMG__997.jpg



IMG__998.jpg



IMG__999.jpg



IMG_0001.jpg



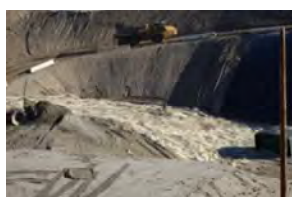
IMG_0002.jpg



IMG_0003.jpg



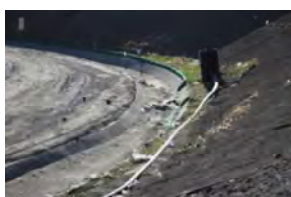
IMG_0004.jpg



IMG_0005.jpg



IMG_0006.jpg



IMG_0007.jpg



IMG_0008.jpg



IMG_0009.jpg



IMG_0010.jpg



IMG_0011.jpg



IMG_0012.jpg



IMG_0013.jpg



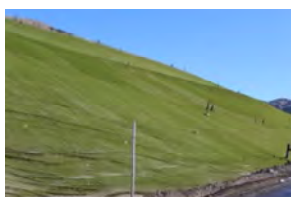
IMG_0014.jpg



IMG_0015.jpg



IMG_0016.jpg



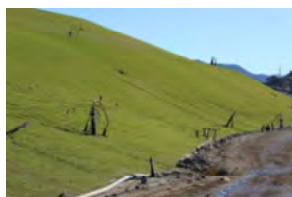
IMG_0017.jpg



IMG_0018.jpg



IMG_0019.jpg



IMG_0020.jpg



IMG_0021.jpg



IMG_0022.jpg



IMG_0023.jpg



IMG_0024.jpg



IMG_0025.jpg



IMG_0026.jpg



IMG_0027.jpg



IMG_0028.jpg



IMG_0029.jpg



IMG_0030.jpg



IMG_0031.jpg



IMG_0032.jpg



IMG_0033.jpg



IMG_0034.jpg



IMG_0035.jpg



IMG_0036.jpg



IMG_0037.jpg



IMG_0038.jpg



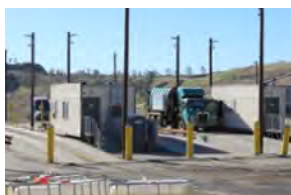
IMG_0039.jpg



IMG_0040.jpg



IMG_0041.jpg



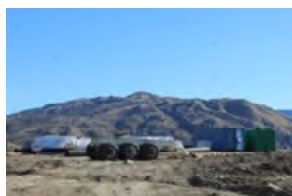
IMG_0042.jpg



IMG_0043.jpg



IMG_0044.jpg



IMG_0046.jpg



IMG_0047.jpg



IMG_0049.jpg



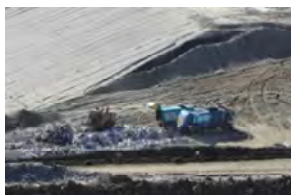
IMG_0050.jpg



IMG_0051.jpg



IMG_0052.jpg



IMG_0053.jpg



IMG_0054.jpg



IMG_0055.jpg



IMG_0056.jpg



IMG_0057.jpg



IMG_0058.jpg



IMG_0059.jpg



IMG_0060.jpg



IMG_0099.jpg



IMG_0102.jpg



IMG_0103.jpg



IMG_0104.jpg



IMG_0105.jpg



IMG_0106.jpg



IMG_0107.jpg



IMG_0108.jpg



IMG_0109.jpg



IMG_0110.jpg



IMG_0111.jpg



IMG_0112.jpg



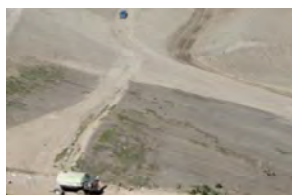
IMG_0113.jpg



IMG_0114.jpg



IMG_0115.jpg



IMG_0116.jpg



IMG_0117.jpg



IMG_0118.jpg



IMG_0119.jpg



IMG_0120.jpg



IMG_0121.jpg



IMG_0122.jpg



IMG_0126.jpg



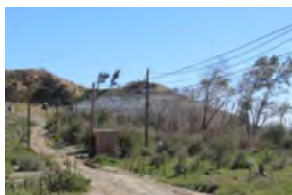
IMG_0127.jpg



IMG_0128.jpg



IMG_0129.jpg



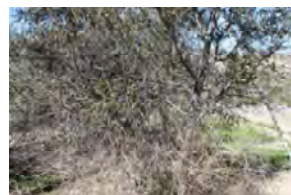
IMG_0130.jpg



IMG_0131.jpg



IMG_0132.jpg



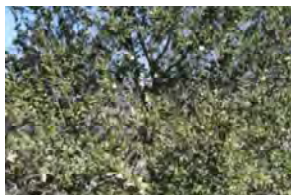
IMG_0133.jpg



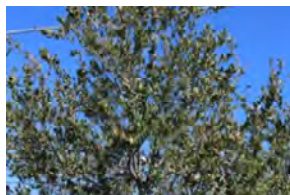
IMG_0134.jpg



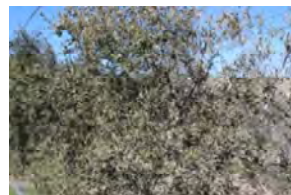
IMG_0135.jpg



IMG_0136.jpg



IMG_0137.jpg



IMG_0138.jpg



IMG_0139.jpg



IMG_0140.jpg



IMG_0141.jpg



IMG_0142.jpg



IMG_0143.jpg



IMG_0144.jpg



IMG_0145.jpg



IMG_0146.jpg



IMG_0147.jpg



IMG_0148.jpg



IMG_0149.jpg

**SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT**

Monitor: Mike Lindsay	Page: 1 of 2
Discipline: Environmental Engineer	Date: 02-18-2021 Thursday
Site Conditions: Clear, 52–68 °F, SE 5–20 mph, 18% RH, 54 AQI	
SITE LOG	
<ol style="list-style-type: none"> 1. No odors are present at the adjacent neighborhood or school at 7:40 am. 2. Checked into office via phone with Chris Coyle (Republic Services). 3. Edgar De La Torre and Diana Gonzales (LACDRP) followed me in a separate vehicle to site locations. 4. Observed Cell CC-4 Part 4A from the LEA office location. Packer trucks are unloading at north end of cell, on top of ADC. Dump trucks are bringing in soil for use as daily cover. Dozers are spreading the trash onto the ADC, which is 20% covered at 8:25 am. 5. Closure turf at the City north slopes is in good order, with no odors present. 6. Pot holes are present along main haul road to scales. 7. No odors are present at the Alder tank farm. A leaking knock-out valve is leaking into a bucket (as it did a few months ago, then was repaired). 8. A 20-foot section of liner material has torn off from the tank farm berm at the east-side, probably from high winds. Winds measured at 12.4 MPH maximum. 9. Street sweepers are cleaning the haul roads. 10. A portable roll-off liquids tank (marked DV307) has been placed at the northwest-end, and connected to the existing collection system. 11. The admin facility is in good order. 12. The scales are in good order, with no pot holes present along adjacent roadway. Winds measured at 13.0 MPH maximum. 13. The eastside drainage channel and spillway are mostly clear of sediment and debris. 14. The 16-foot litter fences between Cell CC-4 Part 3 and Part 4A are effective at holding back wind-blown trash. 15. Traffic spotters are onsite to control traffic. 16. Cell CC-3A is in good order, with stockpiled soil and crushed asphalt. 17. Cell CC-4 Part 3 working area is in good order, where the ADC is 40% covered with new trash at 9:30 am. Four tippers are active, with moving-floor trucks dumping to the east-side of cell. Bird abatement is active, including noise rockets. Winds measured at 15.3 MPH average and 25.3 MPH maximum. 18. Sediment basin A is in good order, with wind-blown trash collected at back of basin. No water is present within basin. 19. Wind-blown trash is present in natural drainage and slopes south of sediment basin A due to recent high-wind events. 20. New 8-foot litter fencing has been installed along ridge roadway between basin A and CC-4 Part 3 area. 21. Wind-blown trash is present on slopes below Flare 3. 22. Flare 3 is offline. 23. The County sage mitigation slopes are showing signs of growth along the edges of vegetation. 24. The westside drainage channel is clear and in good order. 25. The storage yard is in good order, with two additional vehicles (four total), used tires and a mattress being stored. 26. Sediment basin D is in good order, with riser drains clear of debris. 	

27. Flare 9 is operating at 2460 scfm, 1681 °F. Gas sample measured at 43 % Vol. CH₄, 1.4 % Vol. O₂, 81 ppm H₂S and 353 ppm CO. Blowers 1, 2, 3, 5 and 6 are operating. Gas inlet temperature is 112 °F.
28. Flare 10 is operating at 2452 scfm, 1673 °F.
29. Flare 11 is operating at 2499 scfm, 1731 °F. Gas inlet temperature is 114 °F.
30. Blower number 4 has not been replaced.
31. Sunshine Gas Producers gas volume is at 8384 scfm.
32. A localized landfill gas odor is still present at the output flange of blower five (second blower from the northeast slope). Winds measured at 12.2 MPH average and 22.0 MPH maximum.
33. The secondary access road is in good order, with perimeter gate closed and locked. Winds measured at 10.7 MPH maximum.
34. Water trucks are applying water to site for dust control.
35. Observed overall landfill operations from observation deck, including maintenance yard, Cell CC-4 Part 3 and Part 4A, City north slopes and top deck. Winds measured at 20.4 MPH average and 25.5 MPH maximum.
36. City deck A sage mitigation area has some wind-blown trash across site due to high wind events. New vegetation growth is present.
37. Flare 1 is operating at 2331 scfm, 1645 °F. Gas sample measured at 32 % Vol. CH₄, 1.0 % Vol. O₂, 100 ppm H₂S and 371 ppm CO. Gas inlet temperature is 97 °F.
38. City deck B is in good order, with yellow daisies growing throughout site.
39. City deck C is showing signs of growth, with some wind-blown trash present.
40. The PM-10 berm mitigation oak trees are showing some green growth at upper branches, but many of the trees have died. Winds measured at 12.5 MPH average and 16.8 MPH maximum.
41. Water misters are operating along the PM-10 berm for odor and dust control.
42. Perimeter gate at oil field is closed but unlocked.
43. Oil field flare is active, with no flames present at top of stack. Six pumping jacks are operating. A maintenance crew with a crane rig are working on a well.
44. Terminal basin has wind-blown trash and tumbleweeds at the inlet area and channel, with workers picking it up. Skimmers are in the raised position. Winds measured 13.7 MPH maximum.
45. Checked out of office with Chris Coyle via phone.

FURTHER REVIEW NEEDED

1. Repair pot holes along main haul road to scales.
2. Repair leaking knock-out valve at tank farm.
3. Repair torn liner material at tank farm berm.
4. Remove wind-blown trash at back of sediment basin A and southwest slopes.
5. Repair gas leak at blower number five output flange near Flare 11.
6. Lock perimeter oil field gate.

Signed:

Michael W. Lindsay

March 2021

Sunshine Canyon Landfill Meeting Log
March 31, 2021 Site Visit
April 12, 2021 Site Monitoring Conference Call

Site Visit performed by Mike Lindsay and Michelle Tollett (UltraSystems) in separate vehicles and Edgar De La Torre and Diana Gonzalez (LACDRP) in a separate vehicle.

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

Participants:

Edgar De La Torre, LACDRP
Diana Gonzalez, LACDRP
Gabriel Esparza, LACDPW
Vu Truong, LACDPW
Dave Thompson, LA City Site LEA
James Aidukas, UltraSystems
Mike Lindsay, UltraSystems
Michelle Tollett, 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 month of July. 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:

- a. James Aidukas stated that the equipment maintenance area was observed and there were no areas of concern noted. (Photos 0602, 0603, 0652)
 - o Chris Coyle acknowledged the statement.
- b. James Aidukas stated that the western native slopes near Basin A were observed, and windblown litter was in the native vegetation. (Photos 0605, 0619, 0620, 0650, 0666-0670, 0672, 0673, 0675-0677)
 - o Chris Coyle stated that Republic is working with the LEA on a plan to collect litter in a safe manner.
- c. James Aidukas stated that the lower portion of Cell CC-4 Part 3 and all of Cell CC-4 Part 4A were observed. These areas were inactive. Blowing dust was observed coming from the southern dirt access road south of Part 4A and trucks going across the County top deck temporary roads. (Photos 0607-0618, 0625, 0626)
 - o Chris Coyle stated that they hired an additional water truck driver. They now have three water truck drivers. This will enable them to cover more of the landfill operations.

- d. James Aidukas stated that the upper portion of Cell CC-4 Part 3 was accepting waste. Litter fences were in place to control litter and they functioned well. Trucks hauling cover soil were creating dust clouds from non-watered temporary roads. The County top deck had windblown dust clouds from blowing dry soil. (Photo 0608, 0621-0624, 0629-0634, 0644, 0653-0655, 0662, 0681-0688)
 - o Chris Coyle stated that they had all of the litter control fencing in place. The dust generated should be controlled with the extra water truck driver.
- e. James Aidukas stated that a low point sump was observed in Cell CC-4 Part 4A. He asked what is this being used for and when will Cell CC-4 Part 4 be accepting waste. (Photo 0627)
 - o Chris Coyle stated that it was a floating pump to remove stormwater. It will be removed when no rain is forecast, and the fill is high enough for having a temporary drainage basin.
- f. James Aidukas stated that Basin A was observed. The basin was dry with minimal sediment near the outlet risers. Some sloughing of soil occurred near the gas collection mainline to Flare 3. The outlet channel had some sediment and litter in it. (Photos 0680, 0689, 0690, 0692-0696, 0706)
 - o Chris Coyle stated that the litter will be picked up.
- g. James Aidukas stated that the County sage mitigation area was observed. No mitigation work was being done on the slopes at this time. Native plants were doing well in the areas where they have naturally established. He asked if any mitigation work is scheduled for 2021. (Photos 0707-0709)
 - o Chris Coyle stated the City decks are currently the focus of their effort. A program may be scheduled for next year.
- h. James Aidukas stated that Basin D was observed and that it was dry. There were no operational concerns noted. (Photos 0712, 0716-0718)
 - o Chris Coyle acknowledged the statement.
- i. James Aidukas stated that the material storage yard was observed. There were five inoperable vehicles being stored in the area. He asked what is the schedule for disposing of them. (Photos 0713-0715)
 - o Chris Coyle stated that they need to have the corporate acquisition department dispose of any assets, including inoperable vehicles. They are in the process of getting this done.
- j. James Aidukas stated that Blowers 5 and 6 were observed at the gas recovery/Flares 9–11 site. Blower 5 was leaking gas at the outlet flange and was causing a localized odor. He asked what is the schedule for repair. (Photo 0731)
 - o Chris Coyle stated that the blower manufacturer was at the site last week and repaired it.
- k. James Aidukas stated that the Flare 9–11 site was observed. The broken concrete drainage channel had been repaired. A 2"x6"x6' board and sloughed hillside soil was observed in the channel. (Photos 0733, 0734)
 - o Chris Coyle stated that this will be cleaned up.

- l. James Aidukas stated that a stockpile of wood debris was observed being stored on the County top deck near the material storage yard, and asked where did this material come from and how will it be disposed of. (Photo 0743)
 - o Chris Coyle stated that the wood debris came from the grubbing for the toe berm and realignment of the main access road. It will be disposed of at the working face once they get a chance.
- m. James Aidukas stated that Basin B was observed. The basin had some standing water but was cleared of sediment and ready for winter rains. (Photos 0753-0757)
 - o Chris Coyle acknowledged the statement.
- n. James Aidukas stated that the eastside drainage channel was observed. There was sediment that was not cleared in some areas where the channel had speed bumps and where it turned. Vegetation was growing out of the concrete floors and walls in some locations. (Photos 0763-0768, 0780-0782)
 - o Chris Coyle stated that in May, the process of cleaning the channels will start and will be completed by October 1.
- o. James Aidukas stated that the truck scales were observed and there were potholes seen on the exit ramp dirt road. (Photos 0769, 0770)
 - o Chris Coyle stated that the scales are on fill and the exit ramp and road is continually repaired with recycled rock or road base material.
- p. James Aidukas stated that the new office area was observed and that there were no concerns noted. (Photos 0783-0785)
 - o Chris Coyle acknowledged the statement.
- q. James Aidukas stated that the Closure Turf was observed, and it was being well maintained and that there were no concerns noted. (Photos 0647, 0648, 0659-0661, 0783-0785)
 - o Chris Coyle acknowledged the statement.
- r. James Aidukas stated that the sage mitigation Decks B and C were observed. They were being maintained. Any concerns and comments were addressed at the Quarterly Vegetation meeting. (Photos 0663-0664)
 - o Chris Coyle acknowledged the statement.
- s. James Aidukas stated that Flare 1 was observed. It was operating at a temperature set point of 1633°F, and he asked why it was so high. (Photos 0636-0640)
 - o Chris Coyle stated that the SCS Engineers set the operating temperature based on the source tests.
- t. James Aidukas stated that the perimeter boundary gates were observed and both gates were not locked. (Photos 0745-0834)
 - o Dennis Montano stated that the gates have been unlocked by the fire department. Chris Coyle stated that they will lock them.
- u. James Aidukas stated that the terminal basin was observed. The basin had a significant amount of sediment with windblown litter and other debris. The top walkway fencing was removed. He asked if the basin will be cleaned out when the sediment dries. He asked should access be noted as “restricted” with the fence being down. (Photos 0836-0862)

- Chris Coyle stated that the basin will be done by October 1. He will advise the contractor to post an “access restricted” or other signs to restrict the public’s access and warn of fall danger.
 - v. James Aidukas stated that the rough grading for the new access road was observed. He asked what is the plan design and schedule. How will temporary and permanent drainage control be handled? When will the final toe berm and terminal basin construction start, and how will the alluvial water at the cut-off wall be handled in the toe berm design? (Photos 0852, 0786-0832)
 - Chris Coyle stated that the toe berm and road realignment is a two-year project. The main access road will be realigned to go west of the existing power tower above the oil field road, across the final toe berm and connect to the existing road at the scales. Drainage control is part of the design. Once the westside drainage channel is fully built, it will have permanent underground piping through the toe berm to the upper or terminal basin. Temporary drainage control is part of the construction. The construction will be done in six phases. This year, Phases 1 and 2 will be done, which is the access road realignment to the left (south) of the existing road. The rest will be done next year. The grading plan was submitted to the City for permit approval. The permit is not yet approved. The re-route of the existing drainage buried pipes is part of redirecting the water flow to the cutoff wall. The engineering consultant is addressing how this will be done. Sixteen (16) water monitoring wells will be decommissioned, and two (2) new wells will be installed.
 - w. James Aidukas stated that gas volume was about 2000 SCFM below what it was approximately six months ago. Gas recovery was as follows:
 - Flare 1 – 1960 SCFM
 - Flare 3 – not operating on this day
 - Flare 9 – 2718 SCFM
 - Flare 10 – 2759 SCFM
 - Flare 11 – 2700 SCFM
 - SGP Facility – 8710 SCFM
 - Total gas volume was 18,447.
- He asked why was recovered gas lower than prior months.
- Chris Coyle state that there has been a lot of gas recovery work occurring along with wells taken offline and the installation of the CC-4 Part 4A liner gas recovery system. Once the work is complete, gas quality and volume will most likely increase. Surface emissions have not increased.

Site Operations

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

Mike Lindsay then summarized his MMSRF site report.

The conference call was then concluded.

**Sunshine Canyon Landfill
March 31, 2021 Site Visit
Conference Call Discussion Items**

Site Visit Participants

Mike Lindsay, UltraSystems – Separate Vehicle
Michelle Tollett, UltraSystems – Separate Vehicle
Edgar De La Torre and Diana Gonzalez, LACDRP – Separate Vehicle

Discussion Topics After Reviewing Site Visit Photos

1. (Photos 0602, 0603, 0652) The equipment maintenance area was observed.
 - a.) No areas of concern were noted.
2. (Photos 0605, 0619, 0620, 0650, 0666-0670, 0672, 0673, 0675-0677) The western native slopes near Basin A were observed.
 - a.) Windblown litter was in the native vegetation.
3. (Photos 0607 – 0618, 0625, 0626) The lower portion of Cell CC-4 Part 3 and all of Cell CC-4 Part 4A were observed.
 - a.) These areas were inactive.
 - b.) Blowing dust was observed coming from the southern dirt access road south of Part 4A.
4. (Photos 0608, 0621-0624, 0629-0634, 0644, 0653-0655, 0662, 0681-0688) The upper portion of Cell CC-4 Part 3 was accepting waste.
 - a.) Litter fences were in place to control litter.
 - b.) Trucks hauling cover material were creating dust clouds from non-watered areas.
 - c.) The County top deck had windblown dust clouds.
5. (Photo 0627) A low point sump was observed in Cell CC-4 Part 4A.
 - a.) What is this used for?
 - b.) When will Cell CC-4 Part 4 be accepting waste?
6. (Photos 0680, 0689, 0690, 0692-0696, 0706) Basin A was observed.
 - a.) The basin was dry with minimal sediment near the outlet risers. Some sloughing of soil occurred near the gas collection mainline.
 - b.) The outlet channel had some sediment and litter in it.
7. (Photos 0707-0709) The County sage mitigation area was observed.
 - a.) No mitigation work was being done on the slopes.
 - b.) Native plants were doing well in the areas where they have naturally established.
8. (Photos 0712, 0716-0718) Basin D was observed.
 - a.) The basin was dry. There were no operational concerns noted.

9. (Photos 0713-0715) The material storage yard was observed.
 - a.) There were five inoperable vehicles being stored in the area. What is the schedule for disposing of them?
10. (Photo 0731) Blowers 5 and 6 were observed at the gas recovery/flares 9-11 site.
 - a.) Blower 5 was leaking gas at the outlet flange and was causing a localized odor.
11. (Photos 0733, 0734) The Flare 9-11 site was observed.
 - a.) The broken concrete drainage channel was repaired. A 2"x6"x6' board and sloughed hillside soil was observed in the channel.
12. (Photo 0743) A stockpile of wood debris was observed being stored on the County top deck.
 - a.) Where did this material come from?
 - b.) How will it be disposed of?
13. (Photos 0753-0757) Basin B was observed.
 - a.) There was a minor amount of water near the outlet risers. The basin had minimal sediment.
14. (Photos 0763-0768, 0780-0782) The eastside drainage channel was observed.
 - a.) There was sediment that was not cleared in some areas where the channel had speed bumps and where it turned.
 - b.) Vegetation was growing out of the concrete floors and walls in some locations.
15. (Photos 0769, 0770) The truck scales were observed.
 - a.) There were potholes seen on the exit ramp dirt road.
16. (Photos 0783-0785) The new office area was observed.
 - a.) There were no concerns noted.
17. (Photos 0647, 0648, 0659-0661, 0783-0785) The Closure Turf was observed.
 - a.) The Closure Turf was being maintained. There were no concerns noted.
18. (Photos 0663-0664) The sage mitigation Decks B and C were observed.
 - a.) The mitigation areas were being maintained. Concerns and comments were addressed at the Quarterly Vegetation Meeting.
19. (Photos 0636-0640) Flare 1 was observed.
 - a.) Flare 1 was flaring at 1633°F. Why was the temperature set point so high?
20. (Photos 0745, 0834) The perimeter boundary gates were observed.
 - a.) Both gates were not locked.
21. (Photos 0836-0862) The terminal basin was observed.
 - a.) The basin had a significant amount of sediment with windblown litter and other debris. The top walkway fencing was removed.
 - b.) Will the basin be cleaned out when the sediment dries?
 - c.) Should access be noted as "restricted" with the fence being down?

22. (Photos 0852, 0786-0832) The rough grading for the new access road was observed.
- a.) What is the plan design and schedule?
 - b.) How will temporary and permanent drainage control be handled?
 - c.) When will the final toe berm and terminal basin construction start and what is the plan?
 - d.) How will the alluvial water cut-off wall and final toe berm be handled?
23. Gas recovery was:
- a) Flare 1 – 1960 SCFM
 - b) Flare 3 – 0
 - c) Flare 9 – 2718 SCFM
 - d) Flare 10 – 2759 SCFM
 - e) Flare 11 – 2700 SCFM
 - f) SGP Facility – 8710 SCFM
- Total gas volume was 18,447.
- 1. Why was recovered gas lower than prior months?

Site Operations

- 1. Were there any notices of violation (NOVs) issued in March 2021?
- 1. Were there any operational complaints in March 2021?
- 2. Has there been any progress on the City ordinance for the Chatsworth mitigation site?
- 3. Have extension letters been obtained from the Corps of Engineers and California Fish and Wildlife for the mitigation project?

Site Visit Comments Mike Lindsay

To be discussed during conference call.



IMG_0602.jpg



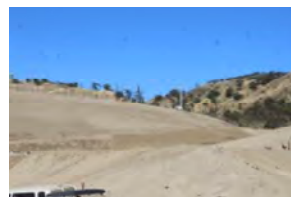
IMG_0603.jpg



IMG_0604.jpg



IMG_0605.jpg



IMG_0606.jpg



IMG_0607.jpg



IMG_0608.jpg



IMG_0609.jpg



IMG_0610.jpg



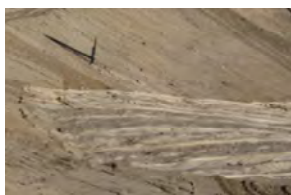
IMG_0611.jpg



IMG_0612.jpg



IMG_0613.jpg



IMG_0614.jpg



IMG_0615.jpg



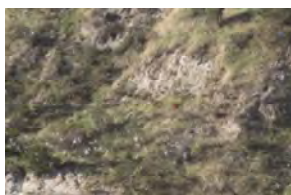
IMG_0616.jpg



IMG_0617.jpg



IMG_0618.jpg



IMG_0619.jpg



IMG_0620.jpg



IMG_0621.jpg



IMG_0622.jpg



IMG_0623.jpg



IMG_0624.jpg



IMG_0625.jpg



IMG_0626.jpg



IMG_0627.jpg



IMG_0628.jpg



IMG_0629.jpg



IMG_0630.jpg



IMG_0631.jpg



IMG_0632.jpg



IMG_0633.jpg



IMG_0634.jpg



IMG_0635.jpg



IMG_0636.jpg



IMG_0637.jpg



IMG_0638.jpg



IMG_0640.jpg



IMG_0641.jpg



IMG_0642.jpg



IMG_0643.jpg



IMG_0644.jpg



IMG_0645.jpg



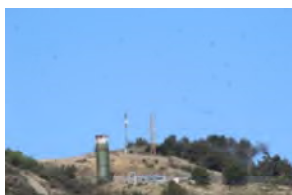
IMG_0646.jpg



IMG_0647.jpg



IMG_0648.jpg



IMG_0649.jpg



IMG_0650.jpg



IMG_0651.jpg



IMG_0652.jpg



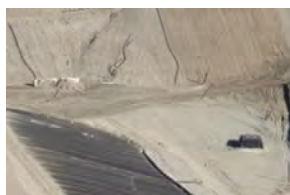
IMG_0653.jpg



IMG_0654.jpg



IMG_0655.jpg



IMG_0656.jpg



IMG_0657.jpg



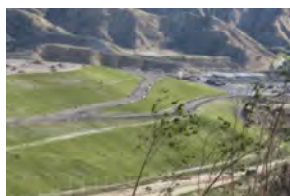
IMG_0658.jpg



IMG_0659.jpg



IMG_0660.jpg



IMG_0661.jpg



IMG_0662.jpg



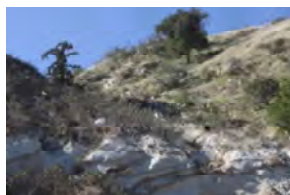
IMG_0663.jpg



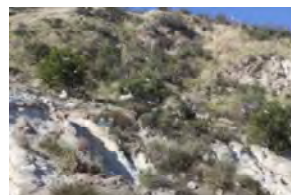
IMG_0664.jpg



IMG_0665.jpg



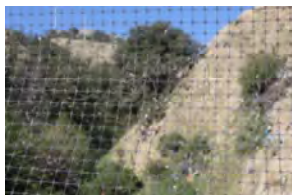
IMG_0666.jpg



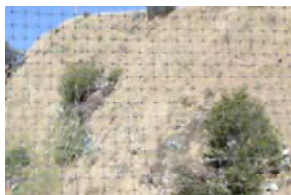
IMG_0667.jpg



IMG_0668.jpg



IMG_0669.jpg



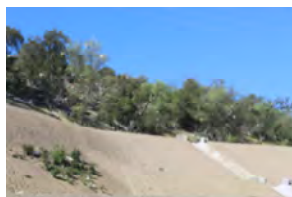
IMG_0670.jpg



IMG_0671.jpg



IMG_0672.jpg



IMG_0673.jpg



IMG_0674.jpg



IMG_0675.jpg



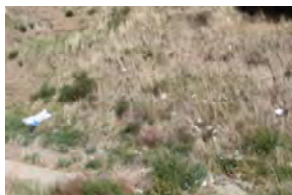
IMG_0676.jpg



IMG_0677.jpg



IMG_0678.jpg



IMG_0679.jpg



IMG_0680.jpg



IMG_0681.jpg



IMG_0682.jpg



IMG_0683.jpg



IMG_0684.jpg



IMG_0685.jpg



IMG_0686.jpg



IMG_0687.jpg



IMG_0688.jpg



IMG_0689.jpg



IMG_0690.jpg



IMG_0691.jpg



IMG_0692.jpg



IMG_0693.jpg



IMG_0694.jpg



IMG_0695.jpg



IMG_0696.jpg



IMG_0697.jpg



IMG_0698.jpg



IMG_0699.jpg



IMG_0700.jpg



IMG_0701.jpg



IMG_0702.jpg



IMG_0703.jpg



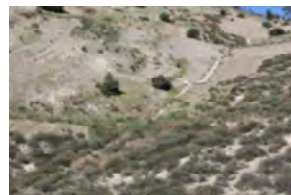
IMG_0704.jpg



IMG_0705.jpg



IMG_0706.jpg



IMG_0707.jpg



IMG_0708.jpg



IMG_0709.jpg



IMG_0710.jpg



IMG_0711.jpg



IMG_0712.jpg



IMG_0713.jpg



IMG_0714.jpg



IMG_0715.jpg



IMG_0716.jpg



IMG_0717.jpg



IMG_0718.jpg



IMG_0719.jpg



IMG_0720.jpg



IMG_0721.jpg



IMG_0722.jpg



IMG_0723.jpg



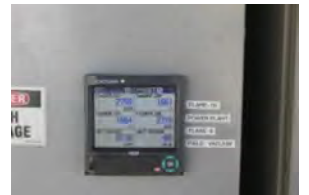
IMG_0725.jpg



IMG_0726.jpg



IMG_0727.jpg



IMG_0728.jpg



IMG_0730.jpg



IMG_0731.jpg



IMG_0732.jpg



IMG_0733.jpg



IMG_0739.jpg



IMG_0735.jpg



IMG_0736.jpg



IMG_0737.jpg



IMG_0738.jpg



IMG_0739.jpg



IMG_0740.jpg



IMG_0741.jpg



IMG_0742.jpg



IMG_0743.jpg



IMG_0744.jpg



IMG_0745.jpg



IMG_0746.jpg



IMG_0748.jpg



IMG_0749.jpg



IMG_0750.jpg



IMG_0751.jpg



IMG_0752.jpg



IMG_0753.jpg



IMG_0754.jpg



IMG_0755.jpg



IMG_0756.jpg



IMG_0757.jpg



IMG_0758.jpg



IMG_0759.jpg



IMG_0760.jpg



IMG_0761.jpg



IMG_0762.jpg



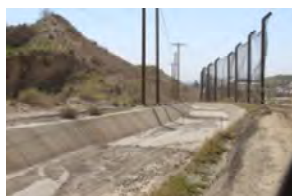
IMG_0763.jpg



IMG_0764.jpg



IMG_0765.jpg



IMG_0766.jpg



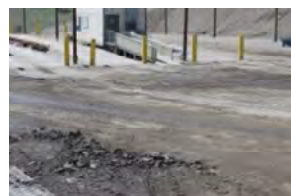
IMG_0767.jpg



IMG_0768.jpg



IMG_0769.jpg



IMG_0770.jpg



IMG_0771.jpg



IMG_0772.jpg



IMG_0773.jpg



IMG_0774.jpg



IMG_0775.jpg



IMG_0776.jpg



IMG_0777.jpg



IMG_0778.jpg



IMG_0779.jpg



IMG_0780.jpg



IMG_0781.jpg



IMG_0782.jpg



IMG_0783.jpg



IMG_0784.jpg



IMG_0785.jpg



IMG_0786.jpg



IMG_0787.jpg



IMG_0788.jpg



IMG_0789.jpg



IMG_0790.jpg



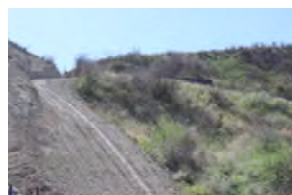
IMG_0791.jpg



IMG_0792.jpg



IMG_0793.jpg



IMG_0794.jpg



IMG_0795.jpg



IMG_0796.jpg



IMG_0797.jpg



IMG_0798.jpg



IMG_0799.jpg



IMG_0800.jpg



IMG_0801.jpg



IMG_0802.jpg



IMG_0803.jpg



IMG_0804.jpg



IMG_0805.jpg



IMG_0806.jpg



IMG_0807.jpg



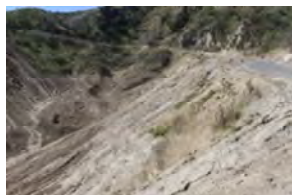
IMG_0808.jpg



IMG_0809.jpg



IMG_0810.jpg



IMG_0811.jpg



IMG_0812.jpg



IMG_0813.jpg



IMG_0814.jpg



IMG_0815.jpg



IMG_0816.jpg



IMG_0817.jpg



IMG_0818.jpg



IMG_0819.jpg



IMG_0820.jpg



IMG_0821.jpg



IMG_0822.jpg



IMG_0823.jpg



IMG_0824.jpg



IMG_0825.jpg



IMG_0826.jpg



IMG_0827.jpg



IMG_0828.jpg



IMG_0829.jpg



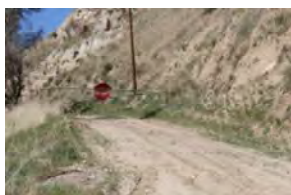
IMG_0830.jpg



IMG_0831.jpg



IMG_0832.jpg



IMG_0833.jpg



IMG_0834.jpg



IMG_0835.jpg



IMG_0836.jpg



IMG_0837.jpg



IMG_0838.jpg



IMG_0839.jpg



IMG_0840.jpg



IMG_0841.jpg



IMG_0842.jpg



IMG_0843.jpg



IMG_0844.jpg



IMG_0845.jpg



IMG_0846.jpg



IMG_0847.jpg



IMG_0848.jpg



IMG_0849.jpg



IMG_0850.jpg



IMG_0851.jpg



IMG_0852.jpg



IMG_0853.jpg



IMG_0854.jpg



IMG_0855.jpg



IMG_0856.jpg



IMG_0857.jpg



IMG_0858.jpg



IMG_0859.jpg



IMG_0860.jpg



IMG_0861.jpg



IMG_0862.jpg

**SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT**

Monitor: Mike Lindsay	Page: 1 of 2
Discipline: Environmental Engineer	Date: 03-31-2021 Wednesday
Site Conditions: Clear, 58–82 °F, S 12–32 mph, 10% RH, 30 AQI	
SITE LOG	
<ol style="list-style-type: none"> 1. No odors are present at the adjacent neighborhood or school at 7:45 am. 2. Checked into office via phone with Chris Coyle (Republic Services). 3. Edgar De La Torre and Diana Gonzales (LACDRP), and Michelle Tollett (UltraSystems) followed me in separate vehicles to site locations. 4. Maintenance yard is in good order. 5. Observed Cell CC-4 Part 4A from the LEA office location. The ADC is 0% covered with new trash at 8:30 am. Winds measured 26.6 mph max and 17.2 mph average at 8:35 am. 6. The County sage mitigation slopes are showing signs of growth within existing areas of vegetation. 7. County top deck is in good order, with soil being loaded into dump trucks for use at working area. 8. Flare 1 is operating at 1960 scfm, 1633 °F. Gas sample measured at 34 % Vol. CH₄, 1.1 % Vol. O₂, 100 ppm H₂S and 344 ppm CO. Gas inlet temperature is 101 °F. 9. Observed overall landfill operations from observation deck, including maintenance yard, Cell CC-4 Part 3 and Part 4A, City north slopes and top deck. Winds measured at 32.8 MPH maximum and 23.0 MPH average at 8:45 am. 10. Closure turf at the City north slopes is in good order. 11. New 8-foot litter fencing has been extended along the entire southern bench roadway between basin A and the old City South area. 12. Water misters are operating along perimeter roadway for dust and odor control. 13. City deck A sage mitigation area has some wind-blown trash across site due to high wind events. New vegetation growth is present. 14. City deck B is in good order, with yellow daisies growing throughout site. 15. City deck C is showing signs of growth, with some wind-blown trash present. 16. The PM-10 berm mitigation oak trees are showing some green growth at upper branches, but many of the trees have died. 17. Water misters are operating along the PM-10 berm for odor and dust control. 18. Street sweepers are cleaning the haul roads. 19. Wind-blown trash is present in natural drainage and slopes south of sediment basin A due to high-wind events. 20. Wind-blown trash is present on slopes below Flare 3. 21. Flare 3 is offline. 22. Cell CC-4 Part 3 working area is in good order; the ADC is 80% covered with new trash at 9:30 am. Four tippers are active, with moving-floor trucks dumping to the east-side of cell. 23. Sediment basin A is dry, with wind-blown trash collected at back of basin, north slopes and back canyon wash. Wind-blown trash and vegetation have collected at the basin inlet. Winds measured at 19.9 MPH maximum and 15.8 MPH average at 9:35 am, blowing directly southwest to the back of the basin. 24. Localized dust clouds are moving across site due to high winds. 25. Traffic spotters are onsite to control traffic. 26. The westside drainage channel is clear and in good order. 27. The storage yard is in good order, with five vehicles, used tires and a mattress being stored. 	

28. Sediment basin D is in good order, with riser drains clear of debris.
29. Flare 9 is operating at 2718 scfm, 1661 °F. Gas sample measured at 45 % Vol. CH₄, 1.7 % Vol. O₂, 79 ppm H₂S and 371 ppm CO. Blowers 1, 2, 3, 5 and 6 are operating. Gas inlet temperature is 117 °F.
30. Flare 10 is operating at 2759 scfm, 1664 °F.
31. Flare 11 is operating at 2700 scfm, 1748 °F. Gas inlet temperature is 119 °F.
32. Blower number 4 is still uninstalled.
33. Sunshine Gas Producers gas volume is at 8710 scfm.
34. A localized landfill gas odor is still present at the output flange of blower five (second blower from the northeast slope). Winds measured at 18.3 MPH maximum and 15.1 MPH average at 9:50 am.
35. The secondary access road is in good order, with perimeter gate held open. Winds measured at 28.0 MPH maximum and 16.0 MPH average at 10:05 am.
36. Sediment basin B is dry and in good order, with no wind-blown trash present.
37. No odors are present at bowl area south of basin B.
38. Water trucks are applying water to site for dust control.
39. Haul route for trucks goes from scales, past basin B and around the County top deck heading south, then turns left (east) and drops into Cell CC-4 Part 3.
40. The eastside drainage channel has sediment, vegetation and debris at the water speed bumps.
41. The scales are in good order, with minor pot holes present along exit roadway.
42. Deodorant liquid is being added to the water truck refilling tank near scales.
43. No odors are present at the Alder tank farm. A leaking knock-out valve is leaking into a bucket. Winds measured at 32.1 MPH maximum and 25.2 MPH average at 10:45 am.
44. The admin facility is in good order.
45. Observed new excavation near entrance at oil field road for new landfill entrance roadway. Track-out rumble strips have been placed at construction entrance.
46. Observed rough-grading along oil field road, 200 yards southeast of landfill entrance, above the CNG odorization station on San Fernando Road. Blue-flagged stakes mark the limits of excavation. On the southeast side of ridge, limits measured 1,532 feet AMSL.
47. Perimeter gate at oil field is closed but unlocked.
48. Oil field flare is active, with heat haze present at top of stack.
49. Water misters are operating along main haul road for dust control.
50. Workers are picking up wind-blown trash near the terminal basin inlet.
51. Workers are using a backhoe to excavate a pipeline trench west of the terminal basin inlet, below the main haul road.
52. Chain link fencing has been removed along the southeast high perimeter wall at terminal basin.
53. Terminal basin is in good order, with no standing water; the mud is drying out. Basin has wind-blown trash and debris at the riser drains and gabion wall.
54. Wind-blown trash and tumbleweeds are present at the terminal basin outlet area.
55. Checked out of office with Chris Coyle via phone.

FURTHER REVIEW NEEDED

1. Remove wind-blown trash at back of sediment basin A and southwest slopes.
2. Repair gas leak at blower number five output flange near Flare 11.
3. Repair leaking knock-out valve at tank farm.
4. Lock perimeter oil field gate.
5. Remove wind-blown trash at terminal basin and basin outlet area.

Signed:

Michael W. Lindsay

**SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT**

Monitor: Michelle Tollett	Page: 1 of 1
Discipline: Senior Biologist	Date: 03-31-2021 Wednesday
Site Conditions: Clear, 58–82 °F, S 12–32 mph, 10% RH, 30 AQI	
SITE LOG	
<ol style="list-style-type: none">1. Edgar De La Torre and Diana Gonzales (LACDRP), and myself followed Mike Lindsay (UltraSystems) in separate vehicles to site locations.2. The County sage mitigation slopes are in-filling with California buckwheat (<i>E. fasciculatum</i>), Laurel sumac (<i>M. laurina</i>), and Australian saltbush (<i>A. semibaccata</i>) appearing as the dominant pioneer species within existing areas of vegetation. It is possible that a 30% to 40% cover is the maximum that should be anticipated for this area.3. New 8-foot litter fencing has been extended along the entire southern bench roadway between basin A and the old City South area. Recommend watching for birds trapped in the fencing; it is “invisible” and will likely entrap birds in the same way that mist netting is used to entrap birds for scientific study. If birds or other wildlife are found and cannot be freed from the netting, a biologist should be called and sent to the site immediately. Photos of the animal should be sent to the biologist and confirm they have received them, and respond with instruction.4. City deck A sage mitigation area has some wind-blown trash across site due to high wind events. The infestation of yellow star thistle onsite is at a critical stage and should be controlled to the extent practicable, to avoid spreading seed into nearby restoration areas.5. City deck B is in good order, with California brittlebush (<i>E. californica</i>) blooming throughout site. In a few areas on the north side the annual grasses should be controlled prior to seed set.6. City deck C is showing signs of regeneration following the Saddleridge fire. The <i>E. californica</i> and hairy leaved sunflower (<i>H. annuus</i>) is blooming. The <i>H. annuus</i> is new since the fire. Some wind-blown trash is present.7. The PM-10 berm mitigation oak trees are showing some new green growth at upper branches, but many of the trees have died.8. Checked out of office with Chris Coyle via phone.	
FURTHER REVIEW NEEDED	
<ol style="list-style-type: none">1. Continue with weed abatement activities.2. Plan for replacement of additional coast live oaks along the PM-10 berm.3. Remove wind-blown trash at back of sediment basin A and southwest slopes.4. Remove wind-blown trash at terminal basin and basin outlet area.	
Signed: 