Sunshine Canyon Landfill Independent Monitor Quarterly Site Monitoring Status Report April 1, 2021 – June 30, 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 16, 2021



CERTIFICATION STATEMENT

July 16, 2021

The attached Quarterly Site Monitoring Status Report for the Sunshine Canyon Landfill dated July 16, 2021 is the Second Quarterly Report for 2021, issued by UltraSystems. This report covers the monitoring period from April 1, 2021 through June 30, 2021 and is prepared for the City of Los Angeles Department of City Planning and the County of Los Angeles Department of Regional Planning.

I, James T. Aidukas, Project Manager for the Mitigation Monitoring Services of the Sunshine Canyon Landfill, certify that the statements in the Quarterly Report and the referenced monthly reports reflect the site conditions observed and compliance status noted by me and other qualified experts during the stated site visits.

Telephone: 949.788.4900

Website: www.ultrasystems.com

Facsimile: 949.788.4901

Signed,

James T. Aidukas

Project Manager

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Sunshine Canyon Landfill City Mitigation Monitoring Summary (see spreadsheet)

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Appendices

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Quarterly Status Report

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

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

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

This Quarterly Report provides the City of Los Angeles Department of Planning and the County of Los Angeles Department of Regional Planning with a concise status of the Mitigation Measure Monitoring for the period of April 1, 2021 to June 30, 2021. It includes:

- 1. The City and County Mitigation Monitoring Summary spreadsheets for April 1, 2021 to June 30, 2021. These spreadsheets record the areas of monitoring completed and the status of being compliant during the second 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 2nd 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 April through June 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 April through June 2021 quarter in order to observe operational site activities and determine compliant status with conditions and/or mitigation measures. They were performed on April 20, 2021; May 13, 2021; and June 23, 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

<u>Compliant</u> is defined as complying with the City and County conditions and/or mitigation measures.

<u>Non-compliant</u> is defined as not complying with the City and County conditions and/or mitigation measures.

<u>Further Review Needed</u> 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.

<u>Resolved</u> 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.

<u>Current Status/Comment</u> – There was no grading outside of the approved landfill development limits during the 2nd Quarter. The grading that occurred was for the removal of stockpiled soil in CC-2A to connect CC-4 Part 4A to CC-2A; removal of stockpiled soil from the County top deck; and rough grading for the realignment of the main access road. The road realignment was not within the Sunshine Canyon waste fill limits but was in the CUP approved areas for ancillary uses. Cells CC-4 Part 3 and CC-4 Part 4A were the only areas accepting waste during the 2nd Quarter. ADC was being used at the active disposal areas. All offices have been relocated to the new location on the Old City North top deck. 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.

<u>Current Status/Comments</u> – In the 2nd Quarter, localized dust clouds occurred on roads to and on the County top deck when waste hauling transfer trucks used the dirt roads going across the County bowl area. Transfer and packer trucks generated localized dust clouds when using the west roads at the scales. The greatest amount of dust generation was coming from the large dump trucks hauling cover soil to the active area. All dust was localized; no dust was observed leaving the site. A third water truck driver was hired in March. An increase in watering of the unpaved access roads is planned and should remedy some of the dust generation. The use of a tackifier on the haul roads is also an option.

Q-C.5 (City)

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

<u>Current Status/Comments</u> – In the 2nd Quarter, there was no graffiti observed at the landfill site.

Q-C.10.c (City)

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

Odor/Landfill Gas - 7.07 (County)

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

Gas - 52 (County)

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

The Permittee shall also install and maintain a landfill gas collection system complying with SCAQMD requirements, which uses best available control technology to control the lateral migration of gases to

the satisfaction of the Director of Public Works, County LEA, and SCAQMD. In addition to the other requirements of this Condition No. 52, Landfill gas flares shall be installed below the adjacent interior ridges of the site, unless otherwise required by the SCAQMD, and the flames shall be totally contained within the stacks. Flame arrestors shall be provided to the satisfaction of the County Forester and Fire Warden.

<u>Current Status/Comments</u> – In mid-April, the gas-to-energy plant was down for semi-annual maintenance. Flare 1: 2042 SCFM, 34% CH4, 1.1% O2, 100 ppm H2S; Flare 3: 2901 SCFM; Flare 9: 3700 SCFM; Flare 10: 2974 SCFM; Flare 11: 3186. The quality of the gas recovered was 45% CH4, 1.7% O2 and 79 ppm H2S. The total volume of landfill gas being recovered was 14,803 SCFM.

In mid-May, the gas-to-energy plant was using 8967 SCFM of recovered landfill gas, 41% CH4, 1.5% 02, 76 ppm H2S. Flare 1: 2045 SCFM, 35% CH4, 1.1% 02, 100 ppm H2S; Flare 3: 2589 SCFM; Flare 9: 2758 SCFM; Flare 10: 2761 SCFM; Flare 11: not operating. The total volume of landfill gas being recovered was 19,120 SCFM.

In late June, the gas-to-energy plant was using 10,889 SCFM of recovered landfill gas, 41% CH4, 1.5% O2, 76 ppm H2S. Flare 1: 2393 SCFM, 31% CH4, 1.0% O2, 100 ppm H2S; Flare 3: was not operating; Flare 9: 2792 SCFM; Flare 10: 2845 SCFM; Flare 11: 2817 SCFM. The total volume of landfill gas being recovered was 21,736 SCFM.

The quantity of landfill gas being recovered during the 2nd Quarter has a daily average of 20,430 SCFM, with the gas-to-energy plant usage averaging 9,930 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.

<u>Current Status/Comments</u> – 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. Also south of the Old South landfill ridgeline berm is a DCOR oil production site on leased land. Over the past year, they installed a type of oil field flare permitted by CalGEM. In the 2nd Quarter, the flare was seen burning production gas. It is recommended that the fire department concurs that this type of flare is appropriate in this location.

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.

<u>Current Status/Comments</u> – There was no grading outside of the approved landfill development limits during the 2nd Quarter. Grading for the road realignment was done in the small valley south of the current main access road. The use in this area was approved in the original CUP for ancillary uses. The construction plans and supporting geotechnical reports are being reviewed by City Planning and the City Building Department. The City approved brush and tree clearance, and minor rough grading. 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 to a location near the SCS offices and maintenance building.

M-4.1.4(11) (City)

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

Geology-1.16 (County)

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

<u>Current Status/Comments</u> – There were no earthquakes of 5.0 magnitude or greater in the area during the 2nd 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.

Second Quarter 2021

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.

<u>Current Status/Comments</u> – During the 2nd Quarter, Closure Turf was being maintained, and gas and liquids recovery systems under the turf were performing well. This cover material was in lieu of vegetation on the south-facing slopes, and controlled and eliminated dust and erosion. The soil stockpiled on the County top deck adjacent to Cell CC4 Part 3 was being excavated and used for cover, site improvements and operations. The soil stockpile at the toe of the westside slope of CC-2A was being excavated to expand CC-4 Part 4A to connect with CC-2A. This soil was being used for cover material.

M-4.1.1 (7) (City)

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

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

M-4.1.6 / 18 (City)

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

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

M-4.2.13/29, 30, 32, 33, 34 (City)

The natural biological processes that generate odors in a landfill through anaerobic decomposition cannot be prevented or avoided. However, the LFGs shall be prevented from escaping to the atmosphere through the use of control measures. These measures include using daily and intermediate cover material over deposited wastes, filling any surface cracks with clean dirt as necessary, and extracting LFG through the use of an LFG collection and recovery system and destroying collected gases by combustion.

Operational techniques shall be utilized to control odor sources at the landfill. The size of the working face shall be limited so that the area of waste exposed to the atmosphere is kept to a minimum.

The LFG collection and recovery system shall be installed in phases as each portion of the landfill site is filled. The final system shall contain a network of gas extraction wells, collection system piping, and flaring facilities. Because the LFG generation begins at lower levels of volume and increases during the landfill site life, the gas will be flared initially until sufficient quantities are available for processing into electricity.

If an odor problem should develop, appropriate control measures shall be implemented. These measures include the application of additional dirt daily cover material or more frequent application of the cover material to seal the landfill surface, or adjustments to the wells, equipment, and operation of the LFG collection and recovery system.

To ensure that odors are kept to a minimum, the following odor/LFG monitoring program shall be implemented for the proposed landfill project. The monitoring program shall comply with the requirements of SCAQMD Rule 1150.1 and include:

- a. Sample Probe Installation: One monitoring probe per 1,000 feet or as identified by South Coast Air Quality Management District (SCAQMD) and/or Local Enforcement Agency (LEA) in the landfill expansion, and one probe per 650 feet or as identified by SCAQMD and/or LEA in the City Inactive landfill along the landfill perimeter, or whichever is more restrictive shall be installed to identify potential areas of subsurface landfill gas (LFG) migration. These probes shall be monitored to ensure that quantities of LFG beyond regulatory standards do not vent offsite through subsurface soils.
- b. Integrated Landfill Surface Sampling: The landfill surface shall be monitored to ensure that the average concentration of total organic compounds over the landfill surface does not exceed SCAQMD's standard of 25 ppm.
- c. Ambient Air Samples: 24-hour integrated gas samples and required meteorological data shall be taken to assess any impact the landfill is having on the ambient air quality at the landfill perimeter.
- d. Instantaneous Landfill Surface Monitoring: Spot checks on the landfill surface shall be made to determine the maximum concentration of total organic compounds measured as methane, measured at any one point on the surface of the landfill does not exceed the SCAQMD's standard of 500 ppm.
- e. Regular Monitoring and Annual Testing: LFG concentrations at perimeter probes, gas collection system headers, the landfill surface, and in ambient air downwind of the landfill shall be monitored once per month or less frequently (but no less than quarterly) as required by the SCAQMD. The LFG collection system shall be adjusted and improved based on quarterly monitoring data and annual stack testing results.

Odor/Landfill Gas - 7.06 (County)

If an odor problem should develop, appropriate control measures shall be implemented. These measures include the application of daily cover material or more frequent applicant of the cover material to seal the landfill surface, or adjustments to the wells, equipment, and operation of the LFG collection and recover system.

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

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

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

- Provide a trained technician to conduct odor patrols in the surrounding neighborhoods at a frequency of one patrol per hour from 6 a.m. to 10 a.m., Monday through Saturday, and during adverse wind conditions.
- If odor is detected, identify its potential and/or actual source, including those that may not be related to the Landfill's operation, such as an odorous trash dumpster or transfer trucks.
- If odor is determined to be related to the Landfill's operation, take immediate action to reduce the odor. Document the streets patrolled on a map, time of the patrol, potential source of odor, and immediate actions taken by the Landfill.
- A landfill gas mitigation plan in preparation for the next rainy season since landfill gas emissions from either the landfill surface or landfill gas control equipment is cited as a potential contributor in the AQMD's Order for Abatement. The plan should include the following at a minimum:

- Description of the site's current Gas Monitoring and Control Plan, including a map showing locations of gas monitoring probes, gas extraction wells, horizontal and vertical gas collection lines, etc.
- Compliance history of the site's landfill gas migration control program from January 1, 2009, to the present quarter as well as any corrective actions.
- Discuss the impacts of the most recent heavy rains on the landfill gas collection system, including identifying locations of damage due to soil erosion, as well as any corrective actions or mitigation measures.
- A work plan that includes preventive measures, such as identifying and filling any surface cracks and installing additional extraction wells, as well as contingency measures.
- An implementation schedule for the above work plan.

Amendment 45.N - 5 (County)

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

<u>Current Status/Comments</u> – 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 2nd Quarter, no landfill odors were detected in the adjacent neighborhoods. There was a Notice of Violation (NOV) issued on April 1st, with four fresh trash odor and four gas odor complaints received by SCAQMD on that day. There were approximately eight additional odor complaints during the rest of the month. There were no additional NOVs in the 2nd Quarter. More than five odor complaints were received by SCAQMD on a day in June. No NOV was issued. The Blower 5 outlet flange gas leak was repaired in June. In June there were localized gas and/or liquids odors detected near CGW-657, CTC-625, and CTC-703. These gas recovery wells are located near Basin B. The exact source could not be determined.

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.

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

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

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.

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

M-4.3.1(40) (City)

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

M-4.3.1(45) (City)

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

Surface Water 2.14 (County)

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

<u>Current Status/Comments</u> – In the 2nd Quarter, surface drainage systems were in place to intercept or divert rainwater away from prior landfill cells and current filling operations. Most of these were temporary systems in active areas, and most conveyance V-ditches were unlined. Erosion control plans are developed and implemented. The erosion control plans should be available for agency and monitor's review.

M-4.3.1(41) (City)

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

M-4.3.1(43) (City)

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

Surface Water 2.10 (County)

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

<u>Current Status/Comments</u> – All of the basins were dry and cleared of sediment in the 2nd 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. Republic stated that cleaning will start soon and will be done by October 1st.

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.

<u>Current Status/Comments</u> – 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 2nd 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.

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.

<u>Current Status/Comments</u> – The old City North top deck has a tank farm of 16 Alder storage tanks for processing recovered leachate and condensate, with a double-wall pipeline to the sewer connection at the entrance near San Fernando Road. This system operated with no odors detected

at the tank farm or the sewer connection during the 2nd 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.

<u>Current Status/Comments</u> – During the 2nd Quarter, sage mitigation areas decks B and C were being maintained by the removal of non-native vegetation. Native vegetation doing well. Bare spots are being filled in from planted native plants. The condition of the PM-10 oak trees was being evaluated by Republic's consulting biologists. There was no activity on the County sage mitigation areas. Native plants were doing well, repopulating in the areas where they naturally came back. No mitigation revegetation activity is scheduled for this area in 2021.

M-4.4.3/72 (City)

Native tree species shall be replaced at a 2:1 (replacement: removal) ratio, consisting of 15-gallon or 5:1 3-gallong container trees. Mitigation trees shall be planted prior to impacted trees being removed, thus allowing tress to grow to specimen size in the field. A specimen-size tree shall be defined as a 15-gallon tree with a minimum trunk caliper of 1-inch measured 1-foot above ground. All mitigation trees shall be specimen size within 1 year after tree removal.

Biota - 4.10 (County)

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

<u>Current Status/Comments</u> – 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.

<u>Current Status/Comments</u> – The status on providing offsite wetland and riparian mitigation has not changed in the 2nd Quarter. The City was proceeding with writing and adopting an ordinance to allow the wetlands and riparian mitigation to be created in the Chatsworth Reservoir. All environmental analysis has been completed. Republic stated that there has been no progress in finalizing and adopting the ordinance in 2020. 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 servicer for areas within one mile of the project site. The phone number where this service will be requested will be provided in the quarterly newsletter and on the website.

<u>Current Status/Comments</u> – During the 2nd 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.

<u>Current Status/Comments</u> – During the 2nd Quarter of 2021, the north perimeter gate was observed to be unlocked in June.

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.

<u>Current Status/Comments</u> – During the 2nd Quarter, the only grading in native undisturbed areas that required archeological and paleontological monitoring was in the southeast ravine where brush and tree clearance and rough grading was done for the development of the main access road realignment.

Republic's Site Procedures for COVID-19

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

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

In the 2nd Quarter of 2021, no one had contracted the COVID-19 virus at the Sunshine Canyon Landfill.

Summary of Requested Documents

Part I - Reports and Plans

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

a) Current Fill Sequence Plan.

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

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

These plans are electronically available onsite.

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

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

d) The current erosion control plans.

Current erosion control plans were available electronically.

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

Site drainage plans were available electronically.

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

The plan was available electronically.

g) Comprehensive geotechnical reports.

The reports were available electronically.

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

Printed copies were available.

Part II - Logs and Records

Previously requested logs, records, safety and procedural documents to be made available onsite were reviewed in printed and electronic formats in the 4th Quarter of 2019. The monitors verified the following to be available to the monitors and agencies' staff.

- 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)
- 1) 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 2nd Quarter Mitigation Monitoring Summary spreadsheets track the progress and completion of tasks as they were accomplished during this quarterly period.

								Ī	irst	t Qua	arter 2	021								Se	ecol	nd Q	uarter	202	21			
Line #	Reference#	Mitigation #	City Mitigation Measures and Conditions Monitored by Discipline	Monitoring Frequency	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*	4/20/2021	Status*	Further Review Needed/Comments**	Resolved*	5/13/2021	Status*	Further Review Needed/Comments**	Resolved*	6/23/2021	Status*	Further Review Needed/Comments**	Resolved*
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	✓	С	NONE		✓	С	NONE		✓	С	NONE		✓	С	l-d		✓	С	l-e		✓	С	I-f	
9	Q - B.2.c.		Ancillary Uses and Facilities	ongoing	✓	С	NONE		✓	С	NONE		✓	С	NONE		✓	С	l-d		✓	С	l-e		✓	С	I-f	
10			Ancillary Uses and Facilities																									
11	Q - B.2.d (3)		10 Year Phase Review	2015	✓	С	NONE		✓	С	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	✓	С	NONE																					
16	Q - C.3.g.		Paved Access Roads	ongoing	✓	С	NONE																					
17	Q - C.3.h.		Surfacing of Access Roads	ongoing	✓	FRN	l-a		✓	FRN	I-b		✓	FRN	l-c		✓	FRN	l-d		✓	FRN	l-e		✓	FRN	I-f	
18	Q - C.5.		Graffiti Removal and Deterrence	ongoing	✓	С	NONE		✓	С	NONE		✓	С	NONE													
19	Q - C.10.c.		Evaluation of Beneficial Gas Usage	June yearly	✓	FRN	l-a		✓	FRN	l-b		✓	FRN	l-c		✓	FRN	l-d		✓	FRN	l-e		✓	FRN	l-f	
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

									First	t Qua	arter 2	021								Se	ecoi	nd Q	uarter	202	21			
Line#	Reference #	Mitigation #	City Mitigation Measures and Conditions Monitored by Discipline	Monitoring Frequency	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*	4/20/2021	Status*	Further Review Needed/Comments**	Resolved*	5/13/2021	Status*	Further Review Needed/Comments**	Resolved*	6/23/2021	Status*	Further Review Needed/Comments**	Resolved*
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	l-a		✓	FRN	l-b		✓	FRN	l-c		✓	FRN	l-d		✓	FRN	l-e		✓	FRN	l-f	
27	T - 5.j.		Trip Diversion	status	✓	С	NONE																					
28	T - 6		Satisfactory Street Lighting	status	/				/				/				/				/				/			
29																												
30	M - 4.1.1	7	Reabandonment Procedures	status	✓	С	l-a		✓	С	l-b		✓	С	l-c		✓	С	l-d		✓	С	l-e		✓	С	l-f	
31	M - 4.1.4	11	Post-5.0 Earthquake Analysis	upon event	✓	С	NONE																					
32	M - 4.2.12	27	Heavy Equipment Operations	ongoing	✓	С	NONE																					
33	M - 4.2.12		Heavy Equipment Operations	ongoing	✓	С	NONE																					
34	M - 4.2.12	28	Site Erosion-Cover	ongoing	✓	С	NONE																					
35	M - 4.2.12		Site Erosion-Cell Height	ongoing	✓	С	NONE																					
36	M - 4.2.12		Site Erosion-Sealant	ongoing	✓	O	NONE		✓	С	NONE																	
37	M - 4.2.13	29	LFG Control Measures	ongoing	/		l-a		/		l-b		/		I-c		/		l-d		/		l-e		/		l-f	
38	M - 4.2.13	30	Operational Odor Control Techniques	ongoing	/		l-a		/		l-b		/		l-c		/		l-d		/		l-e		/		l-f	
39	M - 4.2.13	31	Solid Waste Compaction	ongoing	✓	С	NONE																					
40	M - 4.2.13	32	LFG Collection and Recovery System	ongoing	/		l-a		/		I-b		/		I-c		/		l-d		/		l-e		/		l-f	
41	M - 4.2.13	33	Odor Control Measures	ongoing	✓	FRN	l-a		✓	FRN	l-b		✓	FRN	I-c		✓	FRN	l-d		✓	FRN	l-e		✓	FRN	l-f	

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42	M - 4.2.13	34	Odor/LFG Monitoring	ongoing	/		l-a		/		l-b		/		l-c		/		l-d		/		l-e		/		l-f	
43			Periodic LFG Monitoring		/		l-a		/		l-b		/		l-c		/		l-d		/		l-e		/		I-f	
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	✓	С	NONE		✓	С	NONE		✓	С	NONE		✓	С	NONE		✓	С	NONE		✓	С	NONE	
46	M - 4.4.2	69	Offsite Mitigation Sites	status	✓	FRN	l-a		✓	FRN	l-b		✓	FRN	l-c		✓	FRN	l-d		✓	FRN	l-e		✓	FRN	I-f	
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	✓	O	NONE		✓	С	NONE		✓	С	NONE		✓	С	NONE		✓	O	NONE		✓	С	NONE	
50	M - 4.7.1	86	Open Space Buffer Area	ongoing	>	С	NONE		✓	С	NONE		✓	С	NONE		✓	С	NONE		✓	С	NONE		✓	С	NONE	
51	M - 4.9.3	106	Litter Minimization	ongoing	>	С	NONE		✓	С	NONE																	
52	M - 4.9.3	107	Litter/Debris Containment	ongoing	✓	FRN	l-a		✓	FRN	l-b		✓	FRN	l-c		✓	FRN	l-d		✓	FRN	l-e		✓	FRN	l-f	
53	M - 4.9.3	108	Vehicle Tarping Requirements	ongoing	✓	С	NONE		✓	С	NONE		✓	С	NONE		✓	С	NONE		✓	С	NONE		✓	С	NONE	
54	M - 4.9.3	109	Periodic Offsite Litter Pickup	ongoing	✓	С	NONE		✓	С	NONE		✓	С	NONE		✓	С	NONE		✓	С	NONE		✓	С	NONE	
55	M - 4.9.3	110	Illegal Dumping Activities	ongoing	✓	С	NONE		✓	С	NONE		✓	С	NONE		✓	С	NONE		✓	С	NONE		✓	С	NONE	
56	M - 4.9.3	111	Radio Dispatch Litter Control	ongoing	✓	С	NONE		✓	С	NONE		✓	С	NONE		✓	С	NONE		✓	С	NONE		✓	С	NONE	
57	M - 4.9.3	112	Litter Control	ongoing	✓	С	NONE		✓	С	NONE		✓	С	NONE		✓	С	NONE		✓	С	NONE		✓	С	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	√	С	NONE		✓	С	NONE																	
60	M - 4.9.6	129	Landfill Gas/Collection System- Detection/Training	ongoing	✓	С	NONE		✓	С	NONE		✓	С	NONE		✓	С	NONE		✓	С	NONE		✓	С	NONE	
61	M - 4.9.6	130	Landfill Gas/Collection System-Risk Mitigation	ongoing	✓	С	NONE		✓	С	NONE		✓	С	NONE		✓	С	NONE		✓	С	NONE		✓	С	NONE	

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62	M - 4.16.4	176	Reclaimed Water	status	/				/				/				/				/				/		<u>. </u>	
63 64	M - 4.16.4	177	Water Conservation	ongoing	✓	С	NONE		✓	С	NONE																	
	Civil & Geotechnical E	Engineer																										
66																												
67	M - 4.1.1	2	Grading Outside of Conceptual Grading Plan Area	ongoing	√	С	NONE		✓	С	NONE		√	С	NONE		√	С	NONE		√	С	NONE		✓	С	NONE	
69	M - 4.1.1	3	Unsuitable Material Removal/Buffer Zones	ongoing																							1	
70	M - 4.1.1	4	Grading Outside of Landfill Footprint	ongoing	✓	С	NONE		✓	С	NONE																	
71	M - 4.1.1	5	Grading Activity Compliance	ongoing	✓	FRN	NONE		✓	FRN	NONE																	
72	M - 4.1.2	8	Landslide Guidelines	ongoing	✓	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	✓	С	NONE		✓	С	NONE																	
76	M - 4.1.5	12	Geologic Hazards - Liquefaction	ongoing	✓	С	NONE		✓	С	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	✓	С	NONE		✓	С	NONE																	
80	M - 4.1.6	16	Cut and Fill Slope Gradients	ongoing	✓	С	NONE		✓	С	NONE																	
81	M - 4.1.6	17	Final Slope Factors of Safety	ongoing																								
82	M - 4.1.6	18	Survey Monuments	ongoing	✓	FRN	l-a		✓	FRN	l-b		✓	FRN	l-c		✓	FRN	l-d		✓	FRN	l-e		✓	FRN	l-f	
83	M - 4.3.2	47	Landfill Liner	ongoing																								

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84	M - 4.3.2	48	Landfill Liner	ongoing																								
85	M - 4.3.2	54	Preliminary Closure/Postclosure Plan	status																								
86	M - 4.3.2	רי	Landfill Design/Operation/Final Closure Monitoring	status																								
87	M - 4.3.2	56	Cover Application	ongoing	✓	С	NONE																					
88	M - 4.14.1	155	Access Roadway Grade	ongoing	✓	FRN	NONE		✓	FRN	NONE		✓	FRN	NONE		✓	FRN	l-d		✓	FRN	l-e		✓	FRN	I-f	
89	M - 4.18	178	Landfill Elevation Exceedance	ongoing	✓	FRN	l-a		✓	FRN	l-b		✓	FRN	I-c		✓	FRN	l-d		✓	FRN	l-e		✓	FRN	I-f	
90																												
91	Hydrologist																											
92																												
93																												
94	M - 4.1.4	11	Earthquake Operations Checklist	upon event	✓	С	NONE																					
95	M - 4.3.1	36	Surface Water Infiltration Minimization	ongoing																								
96	M - 4.3.1	37	Surface Drainage Systems	ongoing	✓	С	l-a		✓	С	l-b		✓	С	I-c		✓	С	l-d		✓	С	l-e		✓	С	l-f	
97	M - 4.3.1	38	Permanent/Temporary Ditches	ongoing	✓	С	l-a		✓	С	l-b		✓	FRN	I-c		✓	С	l-d		✓	С	l-e		✓	FRN	l-f	
98	M - 4.3.1	39	Drainage Protection	ongoing	✓	С	l-a		✓	С	l-b		✓	FRN	I-c		✓	С	l-d		✓	С	l-e		✓	FRN	l-f	
99	M - 4.3.1	40	SWRCB Permit Coverage	ongoing	✓	С	l-a		✓	С	l-b		✓	С	I-c		✓	С	l-d		✓	С	l-e		✓	С	l-f	
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	l-a		✓	FRN	l-b		✓	FRN	l-c		✓	FRN	l-d		✓	FRN	l-e		✓	FRN	l-f	
103	M - 4.3.1	44	Final Landfill Cover	ongoing																								
104	M - 4.3.1	45	Erosion Control Plan	ongoing	✓	С	l-a		✓	С	l-b		✓	С	I-c		✓	С	l-d		✓	С	l-e		✓	С	l-f	
105	M - 4.3.1	46	Preventive Maintenance Program	ongoing	✓	FRN	l-a		✓	FRN	l-b		✓	FRN	I-c		✓	FRN	l-d		✓	FRN	l-e		✓	FRN	l-f	

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106	M - 4.3.2	49	Interception of Groundwater Seepage	ongoing																								
107	M - 4.3.2	50	LCRS/Leachate Monitoring	ongoing	✓	С	l-a		✓	С	l-b		✓	С	l-c		✓	С	l-d		✓	O	I-e		✓	С	l-f	
108	M - 4.3.2	51	LCRS Monitoring	ongoing																								
109																												
110	Biologist																											
111																												
112																												
113	M - 4.1.1	6	Slope Erosion Control	ongoing	✓	С	l-a		✓	С	l-b		✓	С	I-c		✓	С	l-d		✓	С	I-e		✓	С	I-f	
114	M - 4.2.11	23	Revegetation/Excavation	ongoing	✓	С	l-a		✓	С	l-b		✓	С	I-c		✓	С	l-d		✓	С	l-e		✓	С	l-f	
115	M - 4.2.12		Temporary Vegetation Cover	ongoing	✓	С	l-a		✓	С	l-b		✓	С	I-c		✓	С	l-d		✓	С	l-e		✓	С	l-f	
116	M - 4.4.1	60	Coastal Sage Scrub Mitigation Plan	ongoing	✓	FRN	l-a		✓	FRN	l-b		✓	FRN	I-c		✓	FRN	l-d		✓	FRN	I-e		✓	FRN	l-f	
117	M - 4.4.1	61	Coastal Sage Scrub Seeding	ongoing																								
118	M - 4.4.1	62	Mariposa Lily Mitigation Plan	ongoing	/				/				/				✓	С	l-d		✓	С	l-e		✓	С	l-f	
119	M - 4.4.1	63	San Diego Horned Lizard Mitigation	ongoing	/				/				/				✓	С	l-d		✓	С	I-e		✓	С	l-f	
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	l-a		✓	FRN	l-b		✓	FRN	l-c		✓	FRN	l-d		✓	FRN	l-e		✓	FRN	l-f	
126	M - 4.4.3	73	Nonnative Tree Mitigation	status	✓	С	NONE																					
127	M - 4.4.3	74	Mitigation Tree Planting	ongoing	✓	С	NONE																					

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

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150	M - 4.2.11	19	Emissions Mitigation Measures	ongoing	✓	С	NONE																					
151	M - 4.2.11	19	Construction Curtailing due to Pollution	ongoing	/	NA	NONE																					
152	M - 4.2.11	20	Dust Lofting Minimization	ongoing																								
153	M - 4.2.11	21	Wind Speed Monitoring	ongoing	✓	С	NONE																					
154	M - 4.2.11	22	Grading-Dust Reduction	ongoing	✓	С	NONE																					
155	M - 4.2.12	24	Construction Equipment Maintenance	ongoing	✓	С	NONE																					
156	M - 4.2.12		Construction Curtailing due to Pollution	ongoing	/	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																					
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	✓	С	NONE																					
169																												\square
170	Hydrology, Hazardou	s Waste /	Risk of Upset																									

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171																												
172																												
173	M - 4.3.2	53	Groundwater Monitoring Wells	ongoing																								
174	M - 4.3.2	58	Operation as Class III Landfill	ongoing	✓	С	NONE																					
175	M - 4.3.2	59	Underground Fuel Storage	ongoing	/	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	✓	С	l-a		✓	С	l-b		✓	С	I-c		✓	С	l-d		✓	С	l-e		✓	С	l-f	
183	M - 4.9.4	123	Personal Protective Equipment	ongoing																								
184	M - 4.9.4	125	Site Access/Fencing	ongoing	✓	С	NONE		✓	FRN	l-f																	
185	M - 4.14.1	147	Fire Response Capabilities	ongoing	✓	С	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		✓	FRN	l-d		✓	FRN	l-e		✓	FRN	I-f	
192	M - 4.19.1	184	Onsite Archaeologist	ongoing	✓	С	NONE																					
193	M - 4.19.1	185	Archaeological Resources	ongoing	/	NA	NONE																					

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									First	Qua	arter 2	021								Se	ecol	nd Q	uarter	202	21			
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194	M - 4.19.1	186	Archaeological Resources	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
195																												
196	Paleontologist																											
197																												
198																												
199	M - 4.19.2	187	Paleontological Resources Resurvey	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	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	✓	С	NONE		✓	С	NONE		✓	С	NONE		✓	С	NONE		✓	С	NONE		✓	С	NONE	
202	M - 4.19.2	190	Paleontological Resources Recovery	ongoing																								
203	M - 4.19.2	191	Paleontological Resources Inspection	ongoing	✓	С	l-a		✓	С	l-b		✓	С	I-c		✓	FRN	l-d		✓	FRN	l-e		✓	FRN	I-f	

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1	Project Manager																											
2																												
3																												
4	Amendment 45.N - 1	45N	Daily Cover Materials	ongoing	✓	С	NONE																					
5	Amendment 45.N - 3	45N	Daily Cover Procedure	ongoing	✓	С	NONE																					
6	Amendment 45.N - 4.a	45N	Order for Abatement Status	ongoing	/		l-a		/		l-b		/		I-c		/		l-d		/		l-e		/		l-f	
7	Amendment 45.N - 4.c	45N	Odor Patrol Program	ongoing	/		l-a		/		l-b		/		l-c		/		l-d		/		I-e		/		I-f	
8	Amendment 45.N - 4.d	45N	Landfill Gas Mitigation Plan	ongoing	/		l-a		/		l-b		/		l-c		/		l-d		/		l-e		/		I-f	
9	Amendment 45.N - 5	45N	Dust and Odor Reports	ongoing	/		l-a		/		I-b		/		l-c		/		l-d		/		l-e		/		l-f	
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.AD	41A-D	Water Conservation	status	✓	С	NONE																					
15	Revegetation - 44.F	44.F	Revegetation	status	✓	С	l-a		✓	С	l-b		✓	С	I-c		✓	С	l-d		✓	С	l-e		✓	С	l-f	
16	Fugitive Dust - 45.B	45.B	Working Face Areas	ongoing	✓	С	l-a		✓	С	l-b		✓	С	l-c		✓	С	l-d		✓	С	l-e		✓	С	I-f	
17	Fugitive Dust - 45.F	45.F	Inactive Areas Monitoring	ongoing	✓	С	l-a		✓	С	l-b		✓	С	l-c		✓	С	l-d		✓	С	l-e		✓	С	l-f	
18	Fugitive Dust - 45.I	45.I	Cleaning of Roads	ongoing	✓	С	NONE																					
19	Litter Control - 46.AD	46A-D	Litter Control Program	ongoing	✓	С	NONE																					
20	Gas - 52	52	Landfill Gas Collection System	ongoing	✓	FRN	l-a		✓	FRN	l-b		✓	FRN	l-c		✓	FRN	l-d		✓	FRN	l-e		✓	FRN	l-f	Ш
21	Traffic - 57	57	Traffic Improvements	status	✓	С	NONE																					
22	Traffic - 60	60	Street Light Installation	status	✓	С	NONE		✓	С	NONE	Ш																
23	Traffic - 61	61	Traffic Minimization	ongoing	✓	С	NONE																					
24	Permittee Fees - 64 - 72	64-72	Permittee Fees	info	/				/				/				/				/				/			

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25	Permittee Fees - 69	69	Permittee Fees-Contributions	info	/				/				/				/				/				/			
26	Permittee Fees - 70	70	Permittee Fees	info	/				/				/				/				/				/			
27	Permittee Fees - 72	72	Permittee Fees	info	/				/				/				/				/				/			
28	Alternative Fuel Vehicles - 77.A	77.A	Alternative Fuel Vehicles-Light Duty	status	✓	FRN	NONE		✓	FRN	NONE		✓	FRN	NONE		√	FRN	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	l-a		√	FRN	I-b		✓	FRN	l-c		√	FRN	l-d		✓	FRN	l-e		√	FRN	l-f	
47	Groundwater - 3.13		Groundwater-LFG Migration Mitigation	ongoing																								

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48	Groundwater - 3.14		Groundwater-Monitoring Wells	ongoing																								
49	BIOTA – 4.05		Annual Fee Submission for SEA Studies	status	/				/				/				/				/				/			
50	BIOTA – 4.06		Buffer Zone Maintenance as Nature Preserve	ongoing	✓	С	NONE		√	С	NONE																	
51	BIOTA – 4.07		Buffer Zone Maintenance-Vegetation	ongoing	✓	С	NONE		√	С	NONE																	
52	BIOTA – 4.08		Ridgeline Maintenance-Remain Undisturbed	ongoing	✓	С	NONE																					
53	BIOTA – 4.47		•	ongoing	✓	С	NONE																					
54	BIOTA – 4.48		Monitoring of Vector-Attracting Items	ongoing																							<u> </u>	
55	BIOTA – 4.49		Salvaged Material Storage-Vector Control	ongoing	✓	С	NONE																					
56	BIOTA – 4.50		Vector Activity Monitoring	ongoing	✓	С	NONE																					
57	Air Quality - 6.03		Dust Emission Minimization	ongoing	✓	FRN	l-a		✓	FRN	l-b		✓	FRN	I-c		✓	FRN	l-d		✓	FRN	l-e		✓	FRN	I-f	
58	Air Quality - 6.04		Usage of Cut Material for Cover	ongoing	✓	С	NONE																					
59	Air Quality - 6.05		Operations in Accordance with SCAQMD/DOPW Requirements	info	/				/				/				/				/				/			
60	Air Quality - 6.06		Landfill Gas Control/Extraction System/Monitoring	ongoing	/				/				/				/				/				/			
61	Air Quality - 6.07		Flaring Systems	info	/				/				/				/				/				/			
62	Air Quality - 6.08		Management of Truck Arrivals	ongoing																								
63	Air Quality - 6.10		Refuse Truck Mitigation	status																								
64	Air Quality - 6.11		Light Duty Alternative Fuel Vehicles	status	✓	FRN	NONE																					
65	Air Quality - 6.11		Alternative Fuel Refuse Collection/Transfer Trucks	status																								
66	Air Quality - 6.11		Alternative Fuel Vehicle Report Submission	status																								
67	Air Quality - 6.11		Heavy-duty, Alternative Fuel Off-Road Equipment Pilot Program	status																								
68	Air Quality - 6.11		Non-Diesel, Alternative Fuel Vehicles- Transfer/Collection Trucks	status																								
69	Air Quality - 6.11		Non-Diesel, Alternative Fuel Vehicles Truck Trips	status																								
70	Air Quality - 6.11		Clean Fuel Demonstration Program	status																								

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71	Air Quality - 6.11		Compliance Evaluation	status																								
72	Odor/Landfill Gas – 7.01		Landfill Gas Escape Prevention	ongoing	✓	С	NONE		✓	С	NONE	П																
73	Odor/Landfill Gas – 7.02		Landfill Gas Collection System	ongoing	✓	С	NONE		✓	С	NONE		✓	С	NONE		√	С	NONE		✓	С	NONE		✓	С	NONE	
74	Odor/Landfill Gas – 7.04		Gas Collection/Flare System Risk Mitigation	ongoing																								
75	Odor/Landfill Gas – 7.05		Wellhead Awareness	status	✓	С	NONE		✓	С	NONE		✓	С	NONE		✓	С	NONE		✓	С	NONE		✓	С	NONE	
76	Odor/Landfill Gas – 7.06		Odor Control Measures	ongoing	✓	С	NONE		✓	С	NONE		✓	С	NONE		✓	С	NONE		✓	С	NONE		✓	С	NONE	
77	Odor/Landfill Gas – 7.07		Gas Recovery and Sale	status	✓	FRN	l-a		✓	FRN	l-b		✓	FRN	I-c		√	FRN	l-d		✓	FRN	l-e		✓	FRN	I-f	
78	Traffic/Circulation – 8.03		Street Light Installation	status	✓	С	NONE		✓	С	NONE		✓	С	NONE		✓	С	NONE		✓	С	NONE		✓	С	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	✓	С	NONE		✓	С	NONE		✓	С	NONE		√	С	NONE		✓	С	NONE		✓	С	NONE	
88	Visual – 10.11		Solid Waste Load Procedures-Improperly Covered/Contained	ongoing	✓	С	NONE		✓	С	NONE																	
89	Visual – 10.11		Debris Removal at Entrance	ongoing	✓	С	NONE		✓	С	NONE		√	С	NONE		√	С	NONE		✓	С	NONE		✓	С	NONE	
90	Visual – 10.11		Litter Control-Fencing	ongoing	✓	FRN	l-a		✓	FRN	l-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	l-e		✓	FRN	l-f	
91	Visual – 10.11		Periodic Litter Pickup	ongoing	✓	С	NONE		✓	С	NONE																	
92	Visual – 10.11		Litter Control-Additional Measures	ongoing																								
93	Visual – 10.12		Discharge Control/Litter Recovery	status																								

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94	Water Conserv 11.01		Water Conservation	ongoing	✓	С	NONE		✓	С	NONE		✓	С	NONE		✓	С	NONE		✓	С	NONE		✓	С	NONE	
95	Recycling - 14.01		On-site Waste Diversion/Recycling	ongoing	✓	С	NONE		✓	С	NONE		✓	С	NONE		✓	С	NONE		~	С	NONE		✓	С	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	✓	С	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																					
104	Landfill Operation - 18.7		Graffiti Removal/Deterrent Plan	ongoing	✓	С	NONE																					
122																												\exists
	Civil & Geotechnical Engineer																											
124 125																												
126	Revegetation - 44.C	44.C	Cut Slope Requirements	ongoing	✓	С	NONE		✓	С	NONE		√	С	NONE		√	С	NONE		✓	С	NONE		√	С	NONE	
127																												
128	Geology - 1.01		Survey Monument Locations	ongoing	√	FRN	l-a		✓	FRN	l-b		√	FRN	l-c		✓	FRN	l-d		√	FRN	l-e		√	FRN	I-f	
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																								\exists
133	Geology - 1.06		Grading Activities Procedures	ongoing																								\exists
134	Geology - 1.07		Grading Activities Procedures	ongoing	✓	С	l-a		✓	С	l-b		✓	С	I-c		✓	FRN	l-d		✓	FRN	l-e		✓	FRN	I-f	

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135	Geology - 1.09		Outer Perimeter Ridgeline Requirements	info													ü	FRN	I-d		ü	FRN	l-e		ü	FRN	I-f	
136	Geology - 1.12		Soil Stabilization	ongoing	✓	FRN	l-a		~	FRN	I-b		✓	FRN	I-c		✓	FRN	l-d		✓	FRN	l-e		✓	FRN	I-f	
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	✓	С	NONE		✓	С	NONE		√	С	NONE		✓	С	NONE		✓	С	NONE		✓	С	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	l-a		✓	FRN	l-b		✓	FRN	I-c		✓	FRN	l-d		✓	FRN	l-e		✓	FRN	I-f	
	Visual – 10.02		Final Fill Elevations	ongoing	✓	FRN	l-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	l-d		✓	FRN	l-e		✓	FRN	I-f	
149																						\vdash				\vdash		
	Hydrologist																											
151 152																												
	Grading & Drainage - 38	38	Installation of Drainage Structures	ongoing																								
154																												
155	Geology - 1.17		Landfill Design/Construction-Seismic	ongoing																								
156	Surface Water - 2.01		Surface Water Runoff Interception	ongoing																								
157	Surface Water - 2.02		Surface Water Runoff Collection	ongoing																								
158	Surface Water - 2.03		Surface Drainage Control-Maintenance	ongoing	✓	FRN	l-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	l-d		✓	FRN	l-e		✓	FRN	l-f	

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159	Surface Water - 2-04		Sedimentation Basin Capabilities	ongoing																								i
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	✓	С	l-a		✓	С	l-b		√	С	I-c		~	FRN	l-d		✓	FRN	l-e		~	FRN	I-f	
164	Surface Water - 2.11		Surface Water Quality-Collection/Monitoring	ongoing																								
165	Surface Water - 2.12		Permanent/Temporary Drainage Facilities	ongoing	✓	С	l-a		✓	С	I-b		√	С	I-c		✓	С	l-d		✓	С	l-e		✓	С	I-f	
166	Surface Water - 2.13		Permanent/Temporary Drainage Facilities	ongoing																								
167	Surface Water - 2.14		Erosion Control Plan	ongoing	√	С	l-a		√	С	l-b		>	С	I-c		✓	FRN	l-d		✓	FRN	l-e		✓	FRN	l-f	
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	√	С	l-a		✓	С	l-b		√	С	I-c		✓	С	l-d		✓	С	l-e		✓	С	I-f	
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	✓	С	l-a		✓	С	l-b		✓	С	I-c		✓	С	l-d		✓	С	l-e		✓	С	I-f	Ш
181	Geology - 1.14		Personnel Retention for Monitoring Soil Erosion	ongoing	✓	С	l-a		✓	С	l-b		√	С	I-c		✓	С	l-d		✓	С	l-e		✓	С	I-f	
182	Groundwater - 3.11		Irrigation/Revegetation Management- Personnel Retention	ongoing																								
183	BIOTA – 4.10		Oak Tree Permit	ongoing	✓	С	NONE		✓	С	I-b		✓	С	I-c		✓	FRN	l-d		✓	FRN	l-e		✓	FRN	I-f	

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184	BIOTA – 4.11		Oak Tree Mitigation Plan	ongoing	✓	С	l-a		✓	С	l-b		✓	С	I-c		✓	С	l-d		✓	С	l-e		✓	С	l-f	
185	BIOTA – 4.13		Oak Tree Mitigation Counting	ongoing	✓	С	NONE		✓	С	NONE		✓	С	NONE		✓	С	NONE		✓	С	NONE		✓	С	NONE	
186	BIOTA – 4.20		Poultry Wire Screen	ongoing	✓	С	NONE		✓	С	NONE		✓	С	NONE		✓	С	NONE		✓	С	NONE		✓	С	NONE	
187	BIOTA – 4.24		Drip Irrigation	ongoing	✓	С	NONE		✓	С	NONE		√	С	NONE		✓	С	NONE		✓	С	NONE		✓	С	NONE	
188	BIOTA – 4.27		Coastal Sage Scrub Mitigation Plan	ongoing	✓	FRN	l-a		✓	FRN	l-b		✓	FRN	l-c		✓	FRN	l-d		✓	FRN	l-e		✓	FRN	l-f	
189	BIOTA – 4.28		Coastal Sage Scrub Seeding	ongoing																								
190	BIOTA – 4.29		San Diego Horned Lizard Mitigation	ongoing	✓	С	NONE		✓	С	NONE		✓	С	NONE		✓	С	NONE		✓	С	NONE		✓	С	NONE	
191	BIOTA – 4.30		California Gnatcatcher Surveys	ongoing	✓	С	NONE		✓	С	NONE		✓	С	NONE		✓	С	NONE		✓	С	NONE		✓	С	NONE	
192	BIOTA – 4.31		Least Bell's Vireo Surveys	ongoing	✓	С	NONE		✓	С	NONE		✓	С	NONE		✓	С	NONE		✓	С	NONE		✓	С	NONE	
193	BIOTA – 4.32		Western Burrowing Owl Surveys	ongoing	✓	С	NONE		✓	С	NONE		✓	С	NONE		✓	С	NONE		✓	С	NONE		✓	С	NONE	
194	BIOTA – 4.33		Migratory Bird Treaty Act	ongoing	✓	С	NONE		✓	С	NONE		√	С	NONE		~	С	NONE		✓	С	NONE		✓	С	NONE	
195	BIOTA – 4.34		Raptor Nests Habitat	ongoing	~	С	NONE		✓	С	NONE		>	С	NONE		>	С	NONE		✓	С	NONE		✓	С	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	✓	С	l-a		✓	С	l-b		~	С	l-c		>	С	l-d		✓	С	l-e		✓	С	l-f	
202	BIOTA – 4.43		Replacement Riparian Habitat	status	✓	FRN	l-a		✓	FRN	l-b		√	FRN	l-c		>	FRN	l-d		✓	FRN	l-e		✓	FRN	l-f	
203	Air Quality - 6.02		Dust Control	ongoing	✓	С	l-a		✓	С	l-b		✓	С	l-c		✓	С	l-d		✓	С	l-e		✓	С	l-f	
204	Visual – 10.06		Upper Ridge Planting/Revegetation	ongoing																								
205	Visual – 10.07		Tree Planting Around Perimeter	ongoing																								
206	Visual – 10.08		Cover/Revegetation Requirements	ongoing	✓	С	l-a		✓	С	l-b		✓	С	I-c		✓	С	l-d		✓	С	l-e		✓	С	l-f	
207	Visual – 10.08		Solid Waste Disposal Procedures	ongoing	✓	С	NONE		✓	С	NONE		✓	С	NONE		✓	С	NONE		✓	С	NONE		✓	С	NONE	

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	Visual – 10.08		Final Cut Slope Steepness	ongoing	✓	С	NONE																					
209	Visual – 10.08		Final Fill Slopes-Reclamation/Revegetation	status																								
210	Visual – 10.08		Revegetation Requirements	status	✓	С	NONE		✓	С	NONE		✓	С	NONE		√	С	NONE		✓	С	NONE		√	С	NONE	
211	Visual – 10.09		Final Cover Composition Requirements	ongoing																								
212	Visual – 10.10		Buffer Zone Maintenance	ongoing	✓	С	NONE		✓	С	NONE																	
213	Water Conservation - 11.02		Plant Species	ongoing																								
214	Fire Service - 12.01		Brush Clearance Measures	ongoing	✓	С	NONE		✓	С	NONE																	
215																												
	Air Quality & Noise Specialist																											
217																												
218																												
219	Fugitive Dust - 45.F	45.F	Fugitive Dust Monitoring	ongoing	✓	С	l-a		✓	С	l-b		✓	С	I-c		✓	FRN	l-d		✓	FRN	l-e		✓	FRN	l-f	
220	Fugitive Dust - 45.I	45.1	Paved Roads-Cleaning	ongoing	✓	С	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	✓	С	NONE		✓	С	NONE		✓	С	NONE		√	С	NONE		✓	С	NONE		√	С	NONE	
226	Air Quality – 6.01		Working Face Requirements	ongoing	✓	С	NONE																					
227	Air Quality – 6.01		Erosion Control-Daily Cover	ongoing	✓	С	NONE																					
228	Air Quality – 6.01		Soil Stockpile Requirements	ongoing	✓	С	NONE																					
229	Air Quality – 6.01		Active Area Fill	ongoing	✓	С	NONE																					
230	Air Quality – 6.01		Soil Sealant	ongoing																								
231	Air Quality – 6.01		Dust Emissions-Road Maintenance	ongoing	✓	О	l-a		✓	С	l-b		✓	С	I-c		✓	С	l-d		✓	O	I-e		✓	О	I-f	

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232	Air Quality – 6.01		Access Roads-Paving	ongoing	✓	С	NONE		√	С	NONE		✓	С	NONE													
233	Air Quality – 6.01		Dust Generation-Dumping	ongoing	√	С	NONE		✓	С	NONE		✓	С	NONE		√	С	NONE		~	С	NONE		√	С	NONE	
234	Air Quality – 6.01		Water Tanks/Piping Maintenance	ongoing	✓	С	NONE		✓	С	NONE		✓	С	NONE		✓	С	NONE		✓	С	NONE		✓	С	NONE	
235	Air Quality – 6.01		Wind Speed Monitoring	ongoing	✓	С	NONE		✓	С	NONE		✓	С	NONE		✓	С	NONE		~	С	NONE		✓	С	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	✓	С	NONE		✓	С	NONE		✓	С	NONE													
	Admin Rpts/ Pgms-17.16		Air Quality Monitoring-Corrective Action Plan	ongoing	/				/				/				/				/				/			
246																										\vdash		
	Hydrology, Hazardous Waste / Risk	of Upset																										
248																												
249																												
250	IMP - Part IV.E	IMP4	Load Inspection-Random Manual	ongoing																								
251																												
252	Groundwater - 3.05		Leachate Collection and Removal System	ongoing																								
253	Groundwater - 3.15		Underground Diesel Fuel Storage Tanks	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE													
254	Fire Service - 12.02		On-site Fire Response Capabilities-Operating Equipment	ongoing	✓	С	NONE		✓	С	NONE		✓	С	NONE													
255	Fire Service - 12.03		On-site Fire Response Capabilities- Roads/Water	ongoing	✓	С	NONE		✓	С	NONE		✓	С	NONE		✓	FRN	l-d		>	FRN	l-e		√	FRN	I-f	
256	Fire Service - 12.04		On-site Fuel Storage Tanks-Permit Issuance	ongoing	✓	С	NONE		✓	С	NONE		✓	С	NONE		✓	FRN	NONE		√	FRN	NONE		✓	FRN	NONE	

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257	Fire Service - 12.05		Building Limits	ongoing	✓	С	NONE																					
258	Fire Service - 12.06		Methane Gas Monitoring-On-site Structures	ongoing	~	С	NONE		✓	С	NONE		✓	С	NONE		✓	FRN	NONE		√	FRN	NONE		✓	FRN	NONE	
259	Hazardous Materials – 13.02		Waste Load Checking Program	ongoing																								
260	Hazardous Materials – 13.05		Hazardous Waste Disposal	ongoing																								
261	Hazardous Materials – 13.10		Hazardous Waste-Procedures	ongoing																								
262	Hazardous Materials – 13.11		Spill Response Program	ongoing																								
263	Safety - 16.02		Injury and Illness Prevention Program	status																								
264	Safety - 16.03		Working Conditions-Monitoring	status																								
265	Safety - 16.04		Inspection Checklist-Work Area Exposure	status																								
266	Safety - 16.07		Accident/Injury Reports	status																								
267	Safety - 16.08		First-aid Kits	ongoing																								
268	Safety - 16.10		Lockout/Blackout Procedures	status																								
269	Safety - 16.11		Personal Protective Equipment	status																								
	Landfill Operation - 18.8		Prohibited Waste Procedures	ongoing																								
271																												
ш	Archaeologist																											
273																												
275	Ecological Significance - 62	62	Archaeological/Paleontological Identification/Conservation Program	ongoing	√	С	l-a		√	С	l-b		√	С	l-c		√	С	l-d		✓	С	l-e		√	С	I-f	
276	IMP - Part VII.B	IMP7	Archaeological/Paleontological Report Submission	ongoing	/	NA	NONE																					
277	Archaeological – 5.01		Archaeological Resurvey	ongoing	/	NA	NONE																					
278	Archaeological – 5.02		Onsite Archaeologist	ongoing	/	FRN	NONE		/	FRN	NONE		/	FRN	NONE		√	FRN	l-d		✓	FRN	l-e		✓	FRN	I-f	
279	Archaeological – 5.03		Onsite Paleontologist	ongoing	√	С	l-a		✓	С	l-b		✓	С	I-c		✓	FRN	l-d		✓	FRN	l-e		✓	FRN	I-f	
280	Archaeological – 5.04		Archaeological/Paleontological Identification Instruction	ongoing	/	NA	NONE																					

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281	Archaeological – 5.05		Archaeological Resource Curation	ongoing	/	NA	NONE		/	NA	NONE																	
282																												
283	Paleontologist																											
284																												
285																												
286	Ecological Significance - 62	62	Archaeological/Paleontological -Material Identification/Conservation	ongoing	√	С	l-a		✓	С	l-b		√	С	I-c		✓	С	l-d		✓	С	l-e		✓	С	I-f	
287	IMP - Part VII.B	IMP7	Archaeological/Paleontological-Report Submission	ongoing																								

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Further Review Needed Comments: Reference I-d through I-f Second 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-d through I-f: There was no grading outside of the approved landfill development limits during the 2nd Quarter. The grading that occurred was for the removal of stockpiled soil in CC-2A to connect CC-4 Part 4A to CC-2A; removal of stockpiled soil from the County top deck; and rough grading for the realignment of the main access road. The road realignment was not within the Sunshine Canyon waste fill limits but was in the CUP approve areas for ancillary uses. Cell CC-4 Part 3 and CC-4 Part 4A were the only areas accepting waste during the 2nd Quarter. ADC was being used at the active disposal areas. All offices have been relocated to the new location on the Old City North top deck. 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-d through I-f: See Q – B.2.c above.
		Geology - 1.12	County DPW EPD/SCL-LEA	I-d through I-f: See Q – B.2.c above.
	Q - C.3.h		City Planning	I-d through I-f: In the 2nd Quarter, localized dust clouds occurred on roads to and on the County top deck when waste hauling transfer trucks used the dirt roads going across the County bowl area. Transfer and packer trucks generated localized dust clouds when using the west roads at the scales. 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 the access roads is planned and should remedy any dust generation. The use of a tackifier is also an option.
	Q - C.10.c		City Planning	I-d: The gas-to-energy plant was down for semi-annual maintenance. Flare 1: 2042 SCFM, 34% CH4, 1.1% O2, 100 ppm H2S; Flare 3: 2901 SCFM; Flare 9: 3700 SCFM; Flare 10: 2974 SCFM; Flare 11: 3186. The quality of the gas recovered was 45% CH4, 1.7% O2 and 79 ppm H2S. The total volume of landfill gas being recovered was 14,803 SCFM. I-e: The gas-to-energy plant was using 8967 SCFM of recovered landfill gas, 41% CH4, 1.5% O2, 76 ppm H2S. Flare 1: 2045 SCFM, 35% CH4, 1.1% O2, 100 ppm H2S; Flare 3: 2589 SCFM; Flare 9: 2758 SCFM; Flare 10: 2761 SCFM; Flare 11: not operating. The total volume of landfill gas being recovered was 19,120 SCFM. I-f: The gas-to-energy plant was using 10,889 SCFM of recovered landfill gas, 41% CH4, 1.5% O2, 76 ppm H2S. Flare 1: 2393 SCFM, 31% CH4, 1.0% O2, 100 ppm H2S; Flare 3: was not operating; Flare 9: 2792 SCFM; Flare 10: 2845 SCFM; Flare 11: 2817 SCFM. The total volume of landfill gas being recovered was 21,736 SCFM.
		Odor/Landfill Gas - 7.07	County Planning/SCAQMD	I-d through I-f: The quantity of landfill gas being recovered during the 2nd Quarter has a daily average of 20,430 SCFM, with the gas-to-energy plant usage averaging 9930 SCFM. Republic has stated that they are pursuing options for using the excess recovered gas that is now being flared. I-d through I-f: See Q - C.10.c above.
		·	SCL-LEA	
		Gas - 52	County DPW EPD/SCL-LEA County Forester Fire Warden	I-d through I-f: See Q - C.10.c above.

Discipline	City Condition Reference # / Mitigation #	County Condition Reference #/ Mitigation #	Responsible Agency	Further Review Needed - Comments	
Project Manager	T-4		City Planning, City Fire Department	I-d through I-f: 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. Also south of the Old South landfill ridgeline berm is a DCOR oil production site on leased land. Over the past year, they installed a type of oil field flare permitted by CalGEM. In the 2nd Quarter, the flare was seen burning production gas. It is recommended that the fire department concurs that this type of flare is appropriate in this location.	
		Fire Service - 12.03	County DPW EPD/SCL-LEA County Forester Fire Warden	I-d through I-f: See T-4 above.	
	M - 4.1.1 / 7		City Planning, DOGGR	I-d through I-f: 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-d through I-f: See M - 4.1.1 / 7 above.	
	M - 4.1.4 / 11	Post-5.0 Earthquake Analysis	City Planning	I-d through I-f: There were no earthquakes of 5.0 or greater during this monitoring period.	
	M - 4.2.12 / 26 and 28		City Planning/SCAQMD	I-d through I-f: During the 2nd Quarter, Closure Turf was being maintained, and gas and liquids recovery systems under the turf were performing well. This cover material was in lieu of vegetation on the south-facing slopes, and controlled and eliminated dust and erosion. The soil stockpiled on the County top deck adjacent to Cell CC4 Part 3 was being excavated and used for cover, site improvements and operations. The soil stockpile at the toe of the westside slope of CC-2A was being excavated to expand CC-4 Part 4A to connect with CC-2A. This soil was being used for cover material.	
		Fugitive Dust - 45.F	County DPH/County LEA County DPW-EPD County Biologist	I-d through I-f: See M - 4.2.12 / 28 above.	
	M -4.2.13/ 29, 30, 32, 33, and 34		City Planning/SCL-LEA/SCAQMD	I-d through I-f: 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-d through I-f: See M -4.2.13/ 29, 30, 32, 34 above.	
		Amendment 45.N-5	County DPW-EPD	I-d through I-f: See M -4.2.13/ 29, 30, 32, 34 above.	

Discipline	City Condition Reference # / Mitigation #	County Condition Reference #/ Mitigation #	Responsible Agency	Further Review Needed - Comments	
Project Manager	M - 4.2.13 / 33		City Planning/SCAQMD	I-d through I-f: On our random days of site visits during the 2nd Quarter, no landfill odors were detected in the adjacent neighborhoods. There was a NOV on April 1st, with four fresh trash odors and four gas odors complaints received by SCAQMD on that day. There were approximately eight additional odor complaints during the rest of the month. There were no additional NOVs in the 2nd Quarter. More than five odor complaints were received by SCAQMD on a day in June. No NOV was issued. The Blower 5 outlet flange gas leak was repaired in June. In June there were localized gas and/or liquids odors detected near CGW-657, CTC-625, and CTC-703. These wells are located near Basin B. The exact source could not be determined.	
	M - 4.2.13 / 34		City Planning/SCAQMD	I-d through I-f: See M-4.2.13/29, 30, and 32 above.	
		Odor/Landfill Gas - 7.06	County DPW-EPD/SCL- LEA/SCAQMD	I-d through I-f: See M-4.2.13/33 above.	
		Amendment 45.N - 4.a, 4.c, 4.d	County DPW-EPD	I-d through I-f: See M-4.2.13/29, 30, 32, and 34 above.	
		Amendment 45.N - 5	County DPW-EPD	I-d through I-f: See M-4.2.13/29, 30, 32, and 34 above.	
		Surface Water - 2.15	County DPW EPD/ LARWQCB, SCL- LEA	I-d through I-f: 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 2nd 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.	
	M - 4.4.2/69		City Planning	I-d through I-f: The status on providing offsite wetland and riparian mitigation has not changed in the 2nd Quarter. The City was proceeding with writing and adopting an ordinance to allow the wetlands and riparian mitigation to be created in the Chatsworth Reservoir. All environmental analysis has been completed. Republic stated that there has been no progress in finalizing and adopting the ordinance in 2020. 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-d through I-f: See M - 4.4.2 / 69 above.
	M - 4.9.3 / 110		City Planning/City LEA	I-d through I-f: During the 2nd 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-d through I-f: See M - 4.1.1 / 5 below.
	M - 4.1.1 / 4		City Planning/LARWQCB Cal Recycle	I-d through I-f: See M - 4.1.1 / 5 below.
	M - 4.1.1 / 5		City Planning/ LARWQCB Cal Recycle	I-d through I-f: There was no grading outside of the approved landfill development limits during the 2nd Quarter. Grading for the road realignment was done in the small valley south of the current main access road. The use was approved in the original CUP for ancillary uses. The construction plans and supporting geotechnical reports are being reviewed by City Planning and the City Building Department. The City approved brush and tree clearance and minor rough grading. 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 move to the new location. The maintenance facility will be moved in July or August to a location near the SCS offices and maintenance building.
		Geology - 1.07	County DPW EPD/ County LEA	I-d through I-f: See M - 4.1.1 / 5 above.
	M - 4.1.5 / 12		City Planning/LARWQCB Cal Recycle	I-d through I-f: See M - 4.1.1 / 5 above.
	M - 4.1.6 / 18			I-d through I-f: 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-d through I-f: Access roads were being maintained around the working area for emergency access.
	M - 4.18 / 178		City Planning/City LEA	I-d through I-f: 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-d through I-f: See M - 4.18 / 178 above.

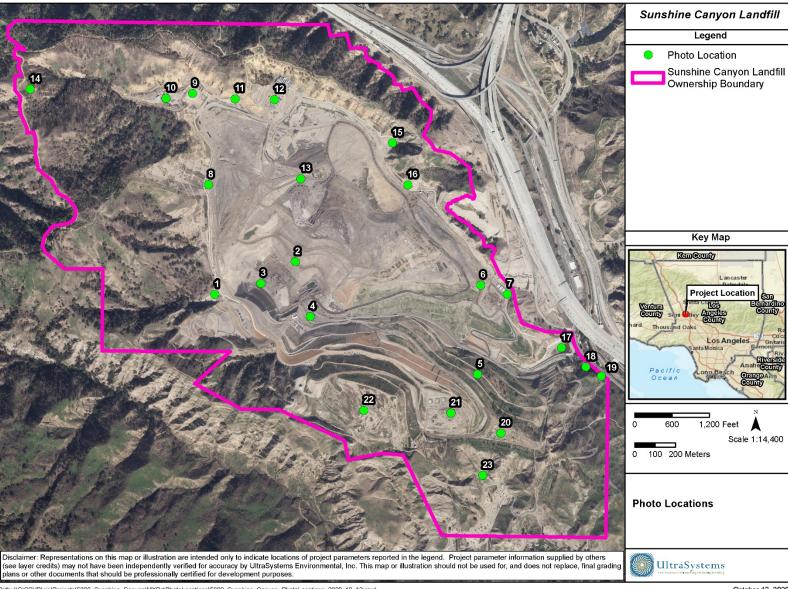
Discipline	City Condition Reference # / Mitigation #	County Condition Reference #/ Mitigation #	Responsible Agency	Further Review Needed - Comments
Civil and Geotechnical Engineer	M - 4.3.1/ 37, 38		City Planning/ LARWQCB CalRecycle SCL-LEA PW-BOE	I-d through I-f: Surface drainage systems were in place to intercept or divert rainwater away from prior landfill cells and current filling operations. Most of these were temporary systems in active areas, and most conveyance V-ditches were unlined. The construction of the final toe berm and main access road realignment project had started. This is a two-year project and includes a new basin upstream of the terminal basin, modification of the terminal basin, and improvement of the drainage channels to these basins. Also, the road realignment will entail the construction of a new main access road and drainage improvements in the ravine south of the current entrance. The design plans were submitted to the City for permit approval. The plans were not available for review by the monitor.
Hydrologist		Surface Water - 2.03 Surface Water - 2.12	County DPW EPD/ LARWQCB SCL-LEA	I-d through I-f: See M - 4.3.1/ 37, 38 above.
	M - 4.3.1 / 39		City Planning/LARWQCB Cal Recycle	I-d through I-f: See M - 4.3.1/ 37, 38 above.
	M - 4.3.1 / 40		City Planning/ LARWQCB CalRecycle SCL-LEA PW-BOE LADBS	I-d through I-f: 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 2nd 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. Republic stated that cleaning will start soon and will be done by October 1st.
		Surface Water - 2.10	LARWQCB / County DPW EPD	I-d through I-f: See M - 4.3.1/ 37, 38 and 43 above.
		Surface Water - 2.14	LARWQCB / County DPW EPD	I-d through I-f: 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-d through I-f: See 2.15 above.
	M - 4.3.2 / 50		City Planning/ LARWQCB CalRecycle SCL-LEA	I-d through I-f: 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 2nd 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-d through I-f: See M - 4.2.12 / 28 above.
		Geology - 1.14	LARWQCB/ County Forester	I-d through I-f: See M - 4.2.12 / 28 above.
	M - 4.2.11 / 23		City Planning	I-d through I-f: See M - 4.2.12 / 28 above.
		Geology - 1.13	County DPW EPD/ County Forester LARWQCB	I-d through I-f: See M - 4.2.12 / 28 above.
	M - 4.2.12		SCL-LEA/ City Planning	I-d through I-f: See M - 4.2.12 / 28 above.
		Revegetation - 44.A	SCL-LEA/ County DPW EPD Regional Planning County Biologist	I-d through I-f: See M - 4.2.12 / 28 above.
		Revegetation - 44.F	SCL-LEA/ County DPW EPD Regional Planning County Biologist	I-d through I-f: See M - 4.2.12 / 28 above.
		Biota - 4.42	SCL-LEA	I-d through I-f: See M - 4.2.12 / 28 above.
		Air Quality - 6.02	SCAQMD/ SCL-LEA	I-d through I-f: See M - 4.2.12 / 28 above.
		Visual - 10.08	County Forester	I-d through I-f: See M - 4.2.12 / 28 above.
	M - 4.4.1 / 60		City Planning	I-d through I-f: During the 2nd Quarter, sage mitigation areas decks B and C were being maintained by the removal of non-native vegetation. Native vegetation doing well. Bare spots are being filled in from planted native plants. The condition of the PM-10 oak trees was being evaluated by Republic's consulting biologists. There was no activity on the County sage mitigation areas. Native plants were doing well, repopulating in the areas where they naturally came back. No mitigation revegetation activity is scheduled for this area in 2021.
		Biota - 4.27	County LEA/CDFW	I-d through I-f: 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		County LEA/CDFW	I-d through I-f: 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-d through I-f: See Biota - 4.10 above.
	M - 4.9.4 / 121		City Planning/Cal Recycle Cal OSHA LAFD City LEA	I-d through I-f: See T-4 above.
	M-4.9.4/ 125		City Planning/ CalRecycle Cal OSHA SCL-LEA	I-d through I-f: During the 2nd Quarter of 2021, the north perimeter gate was observed to be unlocked in June.
Paleontologist	M-4.19.2/ 191		City Planning	I-d through I-f: During the 2nd Quarter, the only grading in native undisturbed areas that required archeological and paleontological monitoring was in the southeast ravine where brush and tree clearance and rough grading was done for the development of the main access road realignment.
		Ecological Significance 62	County Planning	I-d through I-f: See M-4.19.2/ 191 above.

Appendix II

Relevant Site Photos



Path: \(\text{IIGISSVR\gis\Projects\5800}\) Sunshine_Canyon\(\text{IMXDs\PhotoLocations\5800}\) Sunshine_Canyon\(\text{IMXDs\PhotoLocations\5800}\) Sunshine_Canyon_PhotoLocations\(\text{2020}\)_10_12_mxd
Service Layer Credits: Sources: Esn, HERE, Garmin, USGS, \(\text{Intermap}\)_1\(\text{INCREMENT P}\)_N\(\text{NCan}\), Esri Japan, \(\text{METI}\)_1, \(\text{Esri China}\)_1 (Hong Kong), Esri Korea, Esri (Thailand), \(\text{NGCC}\)_1 (c) OpenStreetMap contributors, and the GIS User Community; CAL FIRE; 2007; \(\text{Republic, March 2020}\)_1 LA County \(\text{Assessor}\), 2020; \(\text{Location}\)_1 (assessor\)_2 (2020; \(\text{Location}\)_2 (assessor\)_2 (assessor\)_2 (2020; \(\text{Location}\)_2 (assessor\)_2 (assessor\)

October 12, 2020

Photo Location Map Key

Map Location	Title	Photo Number	
1	Basin A	1 - 24	
2	Working Area, CC4 Part 1/2	_	
3	Working Area, CC4 Part 3	25 – 66	
4	Working Area, CC-4 Part 4A	67 – 102	
5	Closure Turf	103 - 109	
6	Office and Scales Location	110 - 148	
7	Alder Tank Liquids Treatment System	149 - 161	
8	County Sage Mitigation Area and Westside Drainage Channels	162 – 177	
9	Basin D	178 - 187	
10	Basin D Material Storage Area	188 - 195	
11	Basin D Outlet Channel	_	
12	Flares 9, 10, 11 and Gas-to-Energy Facility	196 - 214	
13	County Top Deck	215 - 256	
14	North Access Road	257 – 257	
15	Basin B	258 – 276	
16	Eastside Drainage Channel	277 – 298	
17	Terminal Basin	299 - 338	
18	Greywater Sewer Connection	-	
19	Retaining Wall at San Fernando Road	-	
20	Sage Mitigation, Deck C	339 - 356	
21	Sage Mitigation, Deck B	357 – 374	
22	Sage Mitigation, Deck A	375 – 379	
23	Southern Ownership Buffer	_	
_	General Site	380 - 520	



Photo 1: Basin A: April, 20, 2021



Photo 3: Basin A: April, 20, 2021



Photo 2: Basin A: April, 20, 2021



Photo 4: Basin A: April, 20, 2021



Photo 5: Basin A: April, 20, 2021



Photo 7: Basin A: April, 20, 2021



Photo 6: Basin A: April, 20, 2021



Photo 8: Basin A: May 13, 2021



Photo 9: Basin A: May 13, 2021



Photo 11: Basin A: May 13, 2021



Photo 10: Basin A: May 13, 2021



Photo 12: Basin A: May 13, 2021



Photo 13: Basin A: May 13, 2021



Photo 15: Basin A: June 23, 2021



Photo 14: Basin A: May 13, 2021



Photo 16: Basin A: June 23, 2021



Photo 17: Basin A: June 23, 2021



Photo 19: Basin A: June 23, 2021



Photo 18: Basin A: June 23, 2021



Photo 20: Basin A: June 23, 2021



Photo 21: Basin A: June 23, 2021



Photo 23: Basin A: June 23, 2021



Photo 22: Basin A: June 23, 2021



Photo 24: Basin A: June 23, 2021



Photo 25: Working Area, CC-4 Part 3: April 20, 2021



Photo 27: Working Area, CC-4 Part 3: April 20, 2021



Photo 26: Working Area, CC-4 Part 3: April 20, 2021



Photo 28: Working Area, CC-4 Part 3: April 20, 2021



Photo 29: Working Area, CC-4 Part 3: April 20, 2021



Photo 31: Working Area, CC-4 Part 3: April 20, 2021



Photo 30: Working Area, CC-4 Part 3: April 20, 2021



Photo 32: Working Area, CC-4 Part 3: April 20, 2021



Photo 33: Working Area, CC-4 Part 3: April 20, 2021



Photo 35: Working Area, CC-4 Part 3: April 20, 2021



Photo 34: Working Area, CC-4 Part 3: April 20, 2021



Photo 36: Working Area, CC-4 Part 3: April 20, 2021



Photo 37: Working Area, CC-4 Part 3: April 20, 2021



Photo 39: Working Area, CC-4 Part 3: April 20, 2021



Photo 38: Working Area, CC-4 Part 3: April 20, 2021



Photo 40: Working Area, CC-4 Part 3: May 13, 2021



Photo 41: Working Area, CC-4 Part 3: May 13, 2021



Photo 43: Working Area, CC-4 Part 3: May 13, 2021



Photo 42: Working Area, CC-4 Part 3: May 13, 2021



Photo 44: Working Area, CC-4 Part 3: May 13, 2021



Photo 45: Working Area, CC-4 Part 3: May 13, 2021



Photo 47: Working Area, CC-4 Part 3: May 13, 2021



Photo 46: Working Area, CC-4 Part 3: May 13, 2021



Photo 48: Working Area, CC-4 Part 3: May 13, 2021



Photo 49: Working Area, CC-4 Part 3: May 13, 2021



Photo 51: Working Area, CC-4 Part 3: May 13, 2021



Photo 50: Working Area, CC-4 Part 3: May 13, 2021



Photo 52: Working Area, CC-4 Part 3: May 13, 2021



Photo 53: Working Area, CC-4 Part 3: May 13, 2021



Photo 55: Working Area, CC-4 Part 3: May 13, 2021



Photo 54: Working Area, CC-4 Part 3: May 13, 2021



Photo 56: Working Area, CC-4 Part 3: June 23, 2021



Photo 57: Working Area, CC-4 Part 3: June 23, 2021



Photo 59: Working Area, CC-4 Part 3: June 23, 2021



Photo 58: Working Area, CC-4 Part 3: June 23, 2021



Photo 60: Working Area, CC-4 Part 3: June 23, 2021



Photo 61: Working Area, CC-4 Part 3: June 23, 2021



Photo 63: Working Area, CC-4 Part 3: June 23, 2021



Photo 62: Working Area, CC-4 Part 3: June 23, 2021



Photo 64: Working Area, CC-4 Part 3: June 23, 2021



Photo 65: Working Area, CC-4 Part 3: June 23, 2021



Photo 67: Working Area, CC-4 Part 4A: April 20, 2021



Photo 66: Working Area, CC-4 Part 3: June 23, 2021



Photo 68: Working Area, CC-4 Part 4A: April 20, 2021



Photo 69: Working Area, CC-4 Part 4A: April 20, 2021



Photo 71: Working Area, CC-4 Part 4A: April 20, 2021



Photo 70: Working Area, CC-4 Part 4A: April 20, 2021



Photo 72: Working Area, CC-4 Part 4A: April 20, 2021



Photo 73: Working Area, CC-4 Part 4A: April 20, 2021



Photo 75: Working Area, CC-4 Part 4A: April 20, 2021



Photo 74: Working Area, CC-4 Part 4A: April 20, 2021



Photo 76: Working Area, CC-4 Part 4A: April 20, 2021



Photo 77: Working Area, CC-4 Part 4A: April 20, 2021



Photo 79: Working Area, CC-4 Part 4A: April 20, 2021



Photo 78: Working Area, CC-4 Part 4A: April 20, 2021



Photo 80: Working Area, CC-4 Part 4A: April 20, 2021



Photo 81: Working Area, CC-4 Part 4A: April 20, 2021



Photo 83: Working Area, CC-4 Part 4A: April 20, 2021



Photo 82: Working Area, CC-4 Part 4A: April 20, 2021



Photo 84: Working Area, CC-4 Part 4A: April 20, 2021



Photo 85: Working Area, CC-4 Part 4A: April 20, 2021



Photo 87: Working Area, CC-4 Part 4A: April 20, 2021



Photo 86: Working Area, CC-4 Part 4A: April 20, 2021



Photo 88: Working Area, CC-4 Part 4A: April 20, 2021



Photo 89: Working Area, CC-4 Part 4A: April 20, 2021



Photo 91: Working Area, CC-4 Part 4A: May 13, 2021



Photo 90: Working Area, CC-4 Part 4A: April 20, 2021



Photo 92: Working Area, CC-4 Part 4A: May 13, 2021



Photo 93: Working Area, CC-4 Part 4A: May 13, 2021



Photo 95: Working Area, CC-4 Part 4A: June 23, 2021



Photo 94: Working Area, CC-4 Part 4A: June 23, 2021



Photo 96: Working Area, CC-4 Part 4A: June 23, 2021



Photo 97: Working Area, CC-4 Part 4A: June 23, 2021



Photo 99: Working Area, CC-4 Part 4A: June 23, 2021



Photo 98: Working Area, CC-4 Part 4A: June 23, 2021



Photo 100: Working Area, CC-4 Part 4A: June 23, 2021



Photo 101: Working Area, CC-4 Part 4A: June 23, 2021



Photo 103: Closure Turf: April 20, 2021



Photo 102: Working Area, CC-4 Part 4A: June 23, 2021



Photo 104: Closure Turf: April 20, 2021



Photo 105: Closure Turf: April 20, 2021



Photo 107: Closure Turf: May 13, 2021



Photo 106: Closure Turf: April 20, 2021



Photo 108: Closure Turf: June 23, 2021



Photo 109: Closure Turf: June 23, 2021



Photo 111: Office and Scales Location: April 20, 2021



Photo 110: Office and Scales Location: April 20, 2021



Photo 112: Office and Scales Location: April 20, 2021



Photo 113: Office and Scales Location: April 20, 2021



Photo 115: Office and Scales Location: April 20, 2021



Photo 114: Office and Scales Location: April 20, 2021



Photo 116: Office and Scales Location: April 20, 2021



Photo 117: Office and Scales Location: April 20, 2021



Photo 119: Office and Scales Location: April 20, 2021



Photo 118: Office and Scales Location: April 20, 2021



Photo 120: Office and Scales Location: April 20, 2021



Photo 121: Office and Scales Location: April 20, 2021



Photo 123: Office and Scales Location: April 20, 2021



Photo 122: Office and Scales Location: April 20, 2021



Photo 124: Office and Scales Location: April 20, 2021



Photo 125: Office and Scales Location: April 20, 2021



Photo 127: Office and Scales Location: May 13, 2021



Photo 126: Office and Scales Location: May 13, 2021



Photo 128: Office and Scales Location: May 13, 2021



Photo 129: Office and Scales Location: May 13, 2021



Photo 131: Office and Scales Location: May 13, 2021



Photo 130: Office and Scales Location: May 13, 2021



Photo 132: Office and Scales Location: May 13, 2021



Photo 133: Office and Scales Location: May 13, 2021



Photo 135: Office and Scales Location: May 13, 2021



Photo 134: Office and Scales Location: May 13, 2021



Photo 136: Office and Scales Location: May 13, 2021



Photo 137: Office and Scales Location: May 13, 2021



Photo 139: Office and Scales Location: May 13, 2021



Photo 138: Office and Scales Location: May 13, 2021



Photo 140: Office and Scales Location: June 23, 2021



Photo 141: Office and Scales Location: June 23, 2021



Photo 143: Office and Scales Location: June 23, 2021



Photo 142: Office and Scales Location: June 23, 2021



Photo 144: Office and Scales Location: June 23, 2021

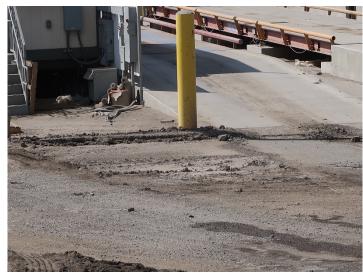


Photo 145: Office and Scales Location: June 23, 2021



Photo 147: Office and Scales Location: June 23, 2021



Photo 146: Office and Scales Location: June 23, 2021



Photo 148: Office and Scales Location: June 23, 2021



Photo 149: Alder Tank Liquids Treatment System: April 20, 2021



Photo 151: Alder Tank Liquids Treatment System: April 20, 2021



Photo 150: Alder Tank Liquids Treatment System: April 20, 2021

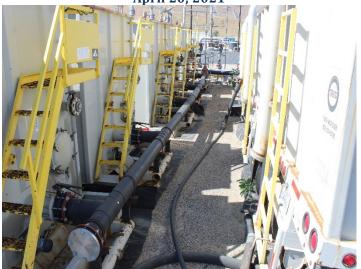


Photo 152: Alder Tank Liquids Treatment System: April 20, 2021



Photo 153: Alder Tank Liquids Treatment System: April 20, 2021

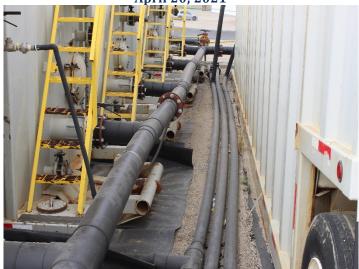


Photo 155: Alder Tank Liquids Treatment System: May 13, 2021



Photo 154: Alder Tank Liquids Treatment System: May 13, 2021



Photo 156: Alder Tank Liquids Treatment System: May 13, 2021



Photo 157: Alder Tank Liquids Treatment System: May 13, 2021



Photo 159: Alder Tank Liquids Treatment System: June 23, 2021



Photo 158: Alder Tank Liquids Treatment System: May 13, 2021



Photo 160: Alder Tank Liquids Treatment System: June 23, 2021



Photo 161: Alder Tank Liquids Treatment System: June 23, 2021



Photo 163: County Sage Mitigation and Westside Drainage Channels: April 20, 2021



Photo 162: County Sage Mitigation and Westside Drainage Channels: April 20, 2021



Photo 164: County Sage Mitigation and Westside Drainage Channels: April 20, 2021



Photo 165: County Sage Mitigation and Westside Drainage Channels: April 20, 2021



Photo 167: County Sage Mitigation and Westside Drainage Channels: April 20, 2021



Photo 166: County Sage Mitigation and Westside Drainage Channels: April 20, 2021



Photo 168: County Sage Mitigation and Westside Drainage Channels: April 20, 2021



Photo 169: County Sage Mitigation and Westside Drainage Channels: May 13, 2021



Photo 171: County Sage Mitigation and Westside Drainage Channels: May 13, 2021



Photo 170: County Sage Mitigation and Westside Drainage Channels: May 13, 2021



Photo 172: County Sage Mitigation and Westside Drainage Channels: May 13, 2021



Photo 173: County Sage Mitigation and Westside Drainage Channels: May 13, 2021



Photo 175: County Sage Mitigation and Westside Drainage Channels: May 13, 2021



Photo 174: County Sage Mitigation and Westside Drainage Channels: May 13, 2021



Photo 176: County Sage Mitigation and Westside Drainage Channels: June 23, 2021



Photo 177: County Sage Mitigation and Westside Drainage Channels: June 23, 2021



Photo 179: Basin D: April 20, 2021



Photo 178: Basin D: April 20, 2021



Photo 180: Basin D: April 20, 2021



Photo 181: Basin D: April 20, 2021



Photo 183: Basin D: April 20, 2021



Photo 182: Basin D: April 20, 2021



Photo 184: Basin D: May 13, 2021



Photo 185: Basin D: May 13, 2021



Photo 187: Basin D: May 13, 2021



Photo 186: Basin D: May 13, 2021



Photo 188: Basin D Material Storage Yard: April 20, 2021



Photo 189: Basin D Material Storage Yard: April 20, 2021



Photo 191: Basin D Material Storage Yard: June 23, 2021



Photo 190: Basin D Material Storage Yard: May 13, 2021



Photo 192: Basin D Material Storage Yard: June 23, 2021



Photo 193: Basin D Material Storage Yard: June 23, 2021



Photo 195: Basin D Material Storage Yard: June 23, 2021



Photo 194: Basin D Material Storage Yard: June 23, 2021



Photo 196: Flares 9, 10, 11 and Gas-to-Energy Facility: April 20, 2021



Photo 197: Flares 9, 10, 11 and Gas-to-Energy Facility: April 20, 2021



Photo 199: Flares 9, 10, 11 and Gas-to-Energy Facility: April 20, 2021



Photo 198: Flares 9, 10, 11 and Gas-to-Energy Facility: April 20, 2021



Photo 200: Flares 9, 10, 11 and Gas-to-Energy Facility: April 20, 2021



Photo 201: Flares 9, 10, 11 and Gas-to-Energy Facility: April 20, 2021



Photo 203: Flares 9, 10, 11 and Gas-to-Energy Facility: May 13, 2021



Photo 202: Flares 9, 10, 11 and Gas-to-Energy Facility: May 13, 2021



Photo 204: Flares 9, 10, 11 and Gas-to-Energy Facility: May 13, 2021



Photo 205: Flares 9, 10, 11 and Gas-to-Energy Facility: May 13, 2021



Photo 207: Flares 9, 10, 11 and Gas-to-Energy Facility: June 23, 2021



Photo 206: Flares 9, 10, 11 and Gas-to-Energy Facility: June 23, 2021



Photo 208: Flares 9, 10, 11 and Gas-to-Energy Facility: June 23, 2021



Photo 209: Flares 9, 10, 11 and Gas-to-Energy Facility: June 23, 2021



Photo 211: Flares 9, 10, 11 and Gas-to-Energy Facility: June 23, 2021



Photo 210: Flares 9, 10, 11 and Gas-to-Energy Facility: June 23, 2021



Photo 212: Flares 9, 10, 11 and Gas-to-Energy Facility: June 23, 2021



Photo 213: Flares 9, 10, 11 and Gas-to-Energy Facility: June 23, 2021



Photo 215: County Top Deck: April 20, 2021



Photo 214: Flares 9, 10, 11 and Gas-to-Energy Facility: June 23, 2021



Photo 216: County Top Deck: April 20, 2021



Photo 217: County Top Deck: April 20, 2021



Photo 219: County Top Deck: April 20, 2021



Photo 218: County Top Deck: April 20, 2021



Photo 220: County Top Deck: April 20, 2021



Photo 221: County Top Deck: April 20, 2021



Photo 223: County Top Deck: April 20, 2021



Photo 222: County Top Deck: April 20, 2021



Photo 224: County Top Deck: April 20, 2021



Photo 225: County Top Deck: April 20, 2021



Photo 227: County Top Deck: April 20, 2021



Photo 226: County Top Deck: April 20, 2021



Photo 228: County Top Deck: April 20, 2021



Photo 229: County Top Deck: April 20, 2021



Photo 231: County Top Deck: April 20, 2021



Photo 230: County Top Deck: April 20, 2021



Photo 232: County Top Deck: April 20, 2021



Photo 233: County Top Deck: April 20, 2021



Photo 235: County Top Deck: May 13, 2021



Photo 234: County Top Deck: May 13, 2021



Photo 236: County Top Deck: May 13, 2021



Photo 237: County Top Deck: May 13, 2021



Photo 239: County Top Deck: May 13, 2021



Photo 238: County Top Deck: May 13, 2021



Photo 240: County Top Deck: May 13, 2021



Photo 241: County Top Deck: May 13, 2021



Photo 243: County Top Deck: May 13, 2021



Photo 242: County Top Deck: May 13, 2021



Photo 244: County Top Deck: May 13, 2021



Photo 245: County Top Deck: May 13, 2021



Photo 247: County Top Deck: May 13, 2021



Photo 246: County Top Deck: May 13, 2021



Photo 248: County Top Deck: May 13, 2021



Photo 249: County Top Deck: May 13, 2021



Photo 251: County Top Deck: June 23, 2021



Photo 250: County Top Deck: June 23, 2021



Photo 252: County Top Deck: June 23, 2021



Photo 253: County Top Deck: June 23, 2021



Photo 255: County Top Deck: June 23, 2021



Photo 254: County Top Deck: June 23, 2021



Photo 256: County Top Deck: June 23, 2021



Photo 257: North Access Road: June 23, 2021



Photo 259: Basin B: April 20, 2021



Photo 258: Basin B: April 20, 2021



Photo 260: Basin B: April 20, 2021



Photo 261: Basin B: April 20, 2021



Photo 263: Basin B: May 13, 2021



Photo 262: Basin B: April 20, 2021



Photo 264: Basin B: May 13, 2021



Photo 265: Basin B: May 13, 2021



Photo 267: Basin B: May 13, 2021



Photo 266: Basin B: May 13, 2021



Photo 268: Basin B: May 13, 2021



Photo 269: Basin B: May 13, 2021



Photo 271: Basin B: May 13, 2021



Photo 270: Basin B: May 13, 2021



Photo 272: Basin B: June 23, 2021



Photo 273: Basin B: June 23, 2021



Photo 275: Basin B: June 23, 2021



Photo 274: Basin B: June 23, 2021



Photo 276: Basin B: June 23, 2021



Photo 277: Eastside Drainage Channel: April 20, 2021



Photo 279: Eastside Drainage Channel: April 20, 2021



Photo 278: Eastside Drainage Channel: April 20, 2021



Photo 280: Eastside Drainage Channel: April 20, 2021



Photo 281: Eastside Drainage Channel: April 20, 2021



Photo 283: Eastside Drainage Channel: April 20, 2021



Photo 282: Eastside Drainage Channel: April 20, 2021



Photo 284: Eastside Drainage Channel: April 20, 2021



Photo 285: Eastside Drainage Channel: April 20, 2021



Photo 287: Eastside Drainage Channel: April 20, 2021



Photo 286: Eastside Drainage Channel: April 20, 2021



Photo 288: Eastside Drainage Channel: May 13, 2021



Photo 289: Eastside Drainage Channel: May 13, 2021



Photo 291: Eastside Drainage Channel: May 13, 2021



Photo 290 Eastside Drainage Channel: May 13, 2021



Photo 292: Eastside Drainage Channel: May 13, 2021



Photo 293: Eastside Drainage Channel: May 13, 2021



Photo 295: Eastside Drainage Channel: May 13, 2021



Photo 294: Eastside Drainage Channel: May 13, 2021



Photo 296: Eastside Drainage Channel: May 13, 2021



Photo 297: Eastside Drainage Channel: June 23, 2021



Photo 299: Terminal Basin: April 20, 2021



Photo 298: Eastside Drainage Channel: June 23, 2021



Photo 300: Terminal Basin: April 20, 2021



Photo 301: Terminal Basin: April 20, 2021



Photo 303: Terminal Basin: April 20, 2021



Photo 302: Terminal Basin: April 20, 2021



Photo 304: Terminal Basin: April 20, 2021



Photo 305: Terminal Basin: April 20, 2021



Photo 307: Terminal Basin: April 20, 2021



Photo 306: Terminal Basin: April 20, 2021



Photo 308: Terminal Basin: April 20, 2021



Photo 309: Terminal Basin: April 20, 2021



Photo 311: Terminal Basin: April 20, 2021



Photo 310: Terminal Basin: April 20, 2021



Photo 312: Terminal Basin: April 20, 2021



Photo 313: Terminal Basin: April 20, 2021



Photo 315: Terminal Basin: April 20, 2021



Photo 314: Terminal Basin: April 20, 2021



Photo 316: Terminal Basin: June 23, 2021



Photo 317: Terminal Basin: June 23, 2021



Photo 319: Terminal Basin: June 23, 2021



Photo 318: Terminal Basin: June 23, 2021



Photo 320: Terminal Basin: June 23, 2021



Photo 321: Terminal Basin: June 23, 2021



Photo 323: Terminal Basin: June 23, 2021



Photo 322: Terminal Basin: June 23, 2021



Photo 324: Terminal Basin: June 23, 2021



Photo 325: Terminal Basin: June 23, 2021



Photo 327: Terminal Basin: June 23, 2021



Photo 326: Terminal Basin: June 23, 2021



Photo 328: Terminal Basin: June 23, 2021



Photo 329: Terminal Basin: June 23, 2021



Photo 331: Terminal Basin: June 23, 2021



Photo 330: Terminal Basin: June 23, 2021



Photo 332: Terminal Basin: June 23, 2021



Photo 333: Terminal Basin: June 23, 2021



Photo 335: Terminal Basin: June 23, 2021



Photo 334: Terminal Basin: June 23, 2021



Photo 336: Terminal Basin: June 23, 2021



Photo 337: Terminal Basin: June 23, 2021



Photo 339: Sage Mitigation, Deck C: April 20, 2021



Photo 338: Terminal Basin: June 23, 2021



Photo 340: Sage Mitigation, Deck C: April 20, 2021



Photo 341: Sage Mitigation, Deck C: April 20, 2021



Photo 343: Sage Mitigation, Deck C: April 20, 2021



Photo 342: Sage Mitigation, Deck C: April 20, 2021



Photo 344: Sage Mitigation, Deck C: April 20, 2021



Photo 345: Sage Mitigation, Deck C: May 13, 2021



Photo 347: Sage Mitigation, Deck C: May 13, 2021



Photo 346: Sage Mitigation, Deck C: May 13, 2021



Photo 348: Sage Mitigation, Deck C: May 13, 2021



Photo 349: Sage Mitigation, Deck C: May 13, 2021



Photo 351: Sage Mitigation, Deck C: June 23, 2021



Photo 350: Sage Mitigation, Deck C: May 13, 2021



Photo 352: Sage Mitigation, Deck C: June 23, 2021



Photo 353: Sage Mitigation, Deck C: June 23, 2021



Photo 355: Sage Mitigation, Deck C: June 23, 2021



Photo 354: Sage Mitigation, Deck C: June 23, 2021



Photo 356: Sage Mitigation, Deck C: June 23, 2021



Photo 357: Sage Mitigation, Deck B: April 20, 2021



Photo 359: Sage Mitigation, Deck B: April 20, 2021



Photo 358: Sage Mitigation, Deck B: April 20, 2021



Photo 360: Sage Mitigation, Deck B: April 20, 2021



Photo 361: Sage Mitigation, Deck B: April 20, 2021



Photo 363: Sage Mitigation, Deck B: May 13, 2021



Photo 362: Sage Mitigation, Deck B: April 20, 2021



Photo 364: Sage Mitigation, Deck B: May 13, 2021



Photo 365: Sage Mitigation, Deck B: May 13, 2021



Photo 367: Sage Mitigation, Deck B: May 13, 2021



Photo 366: Sage Mitigation, Deck B: May 13, 2021



Photo 368: Sage Mitigation, Deck B: May 13, 2021



Photo 369: Sage Mitigation, Deck B: June 23, 2021



Photo 371: Sage Mitigation, Deck B: June 23, 2021



Photo 370: Sage Mitigation, Deck B: June 23, 2021



Photo 372: Sage Mitigation, Deck B: June 23, 2021



Photo 373: Sage Mitigation, Deck B: June 23, 2021



Photo 375: Sage Mitigation, Deck A: June 23, 2021



Photo 374: Sage Mitigation, Deck B: June 23, 2021



Photo 376: Sage Mitigation, Deck A: June 23, 2021



Photo 377: Sage Mitigation, Deck A: June 23, 2021



Photo 379: Sage Mitigation, Deck A: June 23, 2021



Photo 378: Sage Mitigation, Deck A: June 23, 2021



Photo 380: General Site: April 20, 2021



Photo 381: General Site: April 20, 2021



Photo 383: General Site: April 20, 2021



Photo 382: General Site: April 20, 2021



Photo 384: General Site: April 20, 2021



Photo 385: General Site: April 20, 2021



Photo 387: General Site: April 20, 2021



Photo 386: General Site: April 20, 2021



Photo 388: General Site: April 20, 2021



Photo 389: General Site: April 20, 2021



Photo 391: General Site: April 20, 2021



Photo 390: General Site: April 20, 2021



Photo 392: General Site: April 20, 2021



Photo 393: General Site: April 20, 2021



Photo 395: General Site: April 20, 2021



Photo 394: General Site: April 20, 2021



Photo 396: General Site: April 20, 2021



Photo 397: General Site: April 20, 2021



Photo 399: General Site: April 20, 2021



Photo 398: General Site: April 20, 2021



Photo 400: General Site: April 20, 2021



Photo 401: General Site: April 20, 2021



Photo 403: General Site: April 20, 2021



Photo 402: General Site: April 20, 2021



Photo 404: General Site: April 20, 2021



Photo 405: General Site: April 20, 2021



Photo 407: General Site: April 20, 2021



Photo 406: General Site: April 20, 2021



Photo 408: General Site: May 13, 2021



Photo 409: General Site: May 13, 2021



Photo 411: General Site: May 13, 2021



Photo 410: General Site: May 13, 2021



Photo 412: General Site: May 13, 2021



Photo 413: General Site: May 13, 2021



Photo 415: General Site: May 13, 2021



Photo 414: General Site: May 13, 2021



Photo 416: General Site: May 13, 2021



Photo 417: General Site: May 13, 2021



Photo 419: General Site: May 13, 2021



Photo 418: General Site: May 13, 2021



Photo 420: General Site: May 13, 2021



Photo 421: General Site: May 13, 2021



Photo 423: General Site: May 13, 2021



Photo 422: General Site: May 13, 2021



Photo 424: General Site: May 13, 2021



Photo 425: General Site: May 13, 2021



Photo 427: General Site: May 13, 2021



Photo 426: General Site: May 13, 2021



Photo 428: General Site: May 13, 2021



Photo 429: General Site: May 13, 2021



Photo 431: General Site: May 13, 2021



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Photo 435: General Site: May 13, 2021



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Photo 436: General Site: May 13, 2021



Photo 437: General Site: May 13, 2021



Photo 439: General Site: May 13, 2021



Photo 438: General Site: May 13, 2021



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Photo 441: General Site: May 13, 2021



Photo 443: General Site: May 13, 2021



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Photo 444: General Site: May 13, 2021



Photo 445: General Site: May 13, 2021



Photo 447: General Site: May 13, 2021



Photo 446: General Site: May 13, 2021



Photo 448: General Site: May 13, 2021



Photo 449: General Site: May 13, 2021



Photo 451: General Site: May 13, 2021



Photo 450: General Site: May 13, 2021



Photo 452: General Site: May 13, 2021



Photo 453: General Site: June 23, 2021



Photo 455: General Site: June 23, 2021



Photo 454: General Site: June 23, 2021



Photo 456: General Site: June 23, 2021



Photo 457: General Site: June 23, 2021



Photo 459: General Site: June 23, 2021



Photo 458: General Site: June 23, 2021



Photo 460: General Site: June 23, 2021



Photo 461: General Site: June 23, 2021



Photo 463: General Site: June 23, 2021



Photo 462: General Site: June 23, 2021



Photo 464: General Site: June 23, 2021



Photo 465: General Site: June 23, 2021



Photo 467: General Site: June 23, 2021



Photo 466: General Site: June 23, 2021



Photo 468: General Site: June 23, 2021



Photo 469: General Site: June 23, 2021



Photo 471: General Site: June 23, 2021



Photo 470: General Site: June 23, 2021



Photo 472: General Site: June 23, 2021

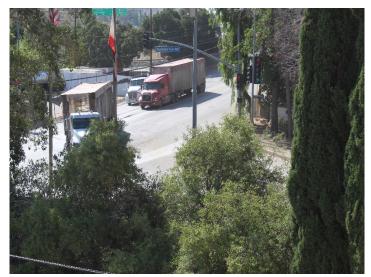


Photo 473 General Site: June 23, 2021



Photo 475: General Site: June 23, 2021



Photo 474: General Site: June 23, 2021



Photo 476: Road Realignment: April 20, 2021



Photo 477: Road Realignment: April 20, 2021



Photo 479: Road Realignment: April 20, 2021



Photo 478: Road Realignment: April 20, 2021



Photo 480: Road Realignment: April 20, 2021



Photo 481: Road Realignment: April 20, 2021



Photo 483: Road Realignment: April 20, 2021



Photo 482: Road Realignment: April 20, 2021



Photo 484: Road Realignment: April 20, 2021



Photo 485: Road Realignment: April 20, 2021



Photo 487: Road Realignment: April 20, 2021



Photo 486: Road Realignment: April 20, 2021



Photo 488: Road Realignment: April 20, 2021



Photo 489: Road Realignment: April 20, 2021



Photo 491: Road Realignment: April 20, 2021



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Photo 492: Road Realignment: April 20, 2021



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Photo 495: Road Realignment: June 23, 2021



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Photo 499: Road Realignment: June 23, 2021



Photo 498: Road Realignment: June 23, 2021



Photo 500: Road Realignment: June 23, 2021



Photo 501: Road Realignment: June 23, 2021



Photo 503: Road Realignment: June 23, 2021



Photo 502: Road Realignment: June 23, 2021



Photo 504: Road Realignment: June 23, 2021



Photo 505: Road Realignment: June 23, 2021



Photo 507: PM-10 Oak Trees: April 20, 2021



Photo 506: Road Realignment: June 23, 2021



Photo 508: PM-10 Oak Trees: April 20, 2021



Photo 509: PM-10 Oak Trees: April 20, 2021



Photo 511: PM-10 Oak Trees: May 13, 2021



Photo 510: PM-10 Oak Trees: April 20, 2021



Photo 512: PM-10 Oak Trees: May 13, 2021



Photo 513: PM-10 Oak Trees: May 13, 2021



Photo 515: PM-10 Oak Trees: May 13, 2021



Photo 514: PM-10 Oak Trees: May 13, 2021



Photo 516: PM-10 Oak Trees: May 13, 2021



Photo 517: PM-10 Oak Trees: May 13, 2021



Photo 519: PM-10 Oak Trees: May 13, 2021



Photo 518: PM-10 Oak Trees: May 13, 2021



Photo 520: PM-10 Oak Trees: June 23, 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 April, May and June 2021

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

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

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

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

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

Corporate Office – Orange County 16431 Scientific Way Irvine, CA 92618-4355

Telephone: 949.788.4900 Facsimile: 949.788.4901

Website: www.ultrasystems.com

April 2021



Sunshine Canyon Landfill April 20, 2021 Site Visit May 6, 2021 Site Monitoring Conference Call

Site Visit performed by Mike Lindsay (UltraSystems) and Tarik Hadj-Hamou (SRK) 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 and TJ Singh (Republic).

Participants:

Edgar De La Torre, LACDRP Diana Gonzalez, LACDRP Gabriel Esparza, LACDPW Vu Truong, LACDPW James Aidukas, UltraSystems Mike Lindsay, UltraSystems Tarik Hadj-Hamou, SRK

Site Visit Observations Discussion:

To follow CDC guidelines for COVID-19 health protocols, UltraSystems sent personnel in separate vehicles to perform a site visit to photograph site conditions and record site observations of the landfill. Edgar De La Torre and Diana Gonzalez also were in a separate vehicle. After reviewing the photos and observation record, a post-site visit conference call was held to discuss Sunshine Canyon Landfill operations and the status of construction, maintenance and compliance for the 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:

- 1. (Photos 0876-0878) The equipment maintenance area was observed.
 - a.) When was the LEA office moved?
 - Chris Coyle stated the LEA office was moved about a week ago. It is now next to the current administration office.
 - b.) When will the maintenance facility be moved and to what location?
 - Chris Coyle stated the maintenance facility will be moved this year and will be located near the SCS offices.
 - Gabriel asked if the maintenance facility will be on the county side?
 - o Chris Coyle stated yes.
 - Gabriel asked if there will be grading for the maintenance facility?
 - o Chris Coyle stated yes.
 - Jim Aidukas asked if the facility would be outside of the landfill footprint?
 - o Chris Coyle stated yes, but within their grading footprint for ancillary facilities.
- 2. (Photos 0888, 0889, 0908-0915) Basin A and the western native vegetated slopes were observed.



- a.) Basin A was dry and ready for rain. There was minimal sediment in the basin.
 - Chris Coyle acknowledged the statement.
- b.) Windblown litter was seen on the native vegetation behind Basin A and on the western slopes. When will this litter be removed?
 - Chris Coyle stated that litter that can be safely picked up is underway. The litter that is on a dangerous high slope will have to wait for the trash to be blown down to an area where litter can safely be removed.
- 3. (Photos 0879-0887, 0892-0894, 0896-0906) The lower portion of Cell CC-4 Part 3 and Cell CC-4 Part 4A were observed. These areas were inactive.
 - a.) There was windblown litter in both areas. There was a substantial amount of litter in the bottom of Part 4A. When will this litter be removed?
 - Chris Covle stated that they have removed the litter.
 - b.) The gas and odor control liner put on the eastern slope of Part 4A and over the gabion liquid and gas recovery devices were ballooning from landfill gas. Can the gas recovery vacuum system reduce the ballooning by recovering the gas?
 - Chris Coyle stated that you do not want to use too much vacuum and have O_2 intrusion. The ballooning does not indicate gas leakage.
- 4. (Photos 0916-0920, 0922, 0923, 0932, 0933, 1020-1022, 1027-1031) The upper portion of Cell CC-4 Part 3 was observed accepting waste. There were no operational concerns.
 - a.) Litter fences were in place around the active area.
 - Chris Coyle acknowledged the statement.
 - b.) A six-foot-high mesh litter fence was installed from the active area to the Old City South landfill. (Photos 0920, 1023) Is this fence being monitored for impacts to birds?
 - Chris Coyle stated that they did not see any birds hit or get caught in it. They monitor the area daily and have not seen any impacts to birds.
 - c.) ADC was being used.
 - Chris Coyle acknowledged the statement.
- 5. (Photos 0925-0929) The Flare 3 facility was observed. The flare was burning 2901 SCFM of gas at a temperature of 1664°F.
 - a.) Why is the temperature set-point over 1600°F?
 - Chris Coyle stated he will talk to SCS about the temperature set point.
 - b.) What is the communication pole in the background of the picture 0926 used for?
 - Chris Coyle stated it was for telematics for remote monitoring of the flare systems.
- 6. (Photos 0930-0931, 0940, 0941, 0945-0947) The County top deck was observed. The soil stockpiled in this area has been substantially reduced. There were no operational concerns.
 - a.) Will this area be used for the future stockpiling of soil?
 - Chris Coyle stated yes it will.
 - b.) What is the current elevation?
 - Chris Coyle stated he does not know and will have to get the information to us when the removal is complete and the deck is surveyed.
 - c.) Is the HDPE large bore pipe shown in Photo 0931 a new gas collection mainline? Is this on the final elevation for the deck in this area?



- Chris Coyle stated that it is part of the new header system and that is the final location.
- 7. (Photos 0936-0939) The County sage mitigation area was observed.
 - a.) No mitigation work was being done on the mitigation area slopes.
 - Chris Coyle acknowledged the statement.
 - b.) Native plants were doing well in the areas where they have naturally established.
 - Chris Coyle stated acknowledged the statement.
- 8. (Photos 0950-0955, 0942, 0934, 0935, 0921) Basin D and the westside drainage channel were observed. The basin was dry.
 - a.) There were no operational concerns noted.
 - Chris Coyle stated acknowledged the statement.
- 9. (Photos 0948, 0949, 0943, 0944) The Basin D adjacent area and the material storage yard were observed.
 - a.) Tree trunks and branches were stockpiled on the County top deck next to Basin D. What is the plan for disposal?
 - Chris Coyle stated the wood waste is from the vegetation clearing for the main access road realignment. They will dispose of it when the right disposal area is available.
 - b.) What is the updated status for the disposition of the five inoperable vehicles in the storage yard?
 - Chris Coyle stated once they obtain duplicate titles from the DMV, they will be able to remove the vehicles.
- 10. (Photos 0958-0962) The Flares 9, 10 and 11 blowers and flares were observed.
 - a.) The flares are burning at the following temperatures:
 - i. Flare 9 1654°F
 - ii. Flare 10 1652°F
 - iii. Flare 11 1655°F
 - b.) Why are the temperature set point so high?
 - Chris Coyle stated he will also ask SCS about the temperature set point on these flares.
- 11. (Photos 0077-0981, 0983-0985, 0994, 0995, 1001, 1002, 1005, 1008, 1009, 1015) Basin B and the eastside drainage channels were observed.
 - a.) The native hillside in the back of Basin B had a significant amount of windblown trash.
 - Chris Coyle stated that they have to wait for the wind to blow the litter down for it to be safe to collect the litter.
 - b.) What is the updated status for the eastside drainage channels with piles of litter, vegetation growing in concrete cracks, and debris in and adjacent to the channels?
 - Chris Coyle stated they know there is litter in these areas and are vigilant to try to clean it up. Any removal of growing vegetation and concrete repair is put on the maintenance tasks list and will be done by October 1st.



- 12. (Photos 0989, 0990, 0987, 0988, 0991, 0996-0998) The scales area was observed.
 - a.) Most of the scales' dirt exit roads were being watered. However, portions of the roadways used by packer trucks were not, causing large dust clouds.
 - Chris Coyle stated that happens because the area is not always watered down evenly and it would be hard to always have the roadway totally watered to prevent some dust from being kicked up.
- 13. (Photos 1010-1013) The new office area was observed.
 - a.) What office buildings are now at this location? Are any other buildings going to be located here?
 - Chris Coyle stated that all of the office buildings are at the new location. There are no additional offices planned.
- 14. (Photos 1017, 1018) The CC-2B Basin was observed.
 - a.) Will this basin be replaced by a new basin when the terminal buttress is constructed?
 - Chris Coyle stated it will not be replaced.
- 15. (Photos 1036-1039) The Flare 1 facility was observed. The flare was burning 2042 SCFM of gas at the temperature of 1635°F.
 - a.) Why is the temperature set point over 1600°F?
 - Chris Coyle stated SCS will be asked about this flare when talking to SCS about temperature set points on the other flares.
- 16. (Photos 1040-1044) The City Deck B sage mitigation area was observed.
 - a.) Non-native annual grasses need to be removed.
 - Chris Coyle stated that they have landscape maintenance crews that come every month and he will remind them to take care of the removal of non-natives.
- 17. (Photos 1045-1054) The City Deck C sage mitigation and PM-10 oak tree mitigation areas were observed.
 - a.) There were areas where non-native vegetation removal needs to be done.
 - Chris Coyle acknowledged the statement.
 - b.) Has a count of the dead oak trees and a schedule of their replacement been done?
 - Chris Coyle stated that they have planted some seedlings. The biologists
 are preparing a tree status report which will outline planting
 requirements. No schedule for any tree replacement has been
 developed.
- 18. (Photos 1057-1070) The terminal basin was observed.
 - a.) When will the basin be cleared of windblown and water-carried trash, vegetation and sediment?
 - Chris Coyle stated it will be cleaned by October 1st.
- 19. (Photos 1074-1093) The future main access road graded area was observed.
 - a.) What is the schedule for the road and final buttress construction?



- Chris Coyle stated that it will be finished by the end of 2022.
- b.) How much soil needs to be imported?
 - Chris Coyle stated two million yards of soil needs to be imported for the two-year project.

20. Gas recovery was:

- a) Flare 1 2042 SCFM
- b) Flare 3 2901 SCFM
- c) Flare 9 3700 SCFM
- d) Flare 10 2974 SCFM
- e) Flare 11 3186 SCFM
- f) SCP Facility 0 (offline for maintenance) Total gas volume was 14,803.
 - 1. Why was recovered gas lower than prior months?
 - Chris Coyle stated that there was a lot of gas collection work being done in April with the system temporarily shut down throughout the month.

Site Operations

- 1. Were there any notices of violation (NOVs) issued in April 2021?
 - Chris Coyle said an odor NOV was issued on April 1st. There were eight odor-related (fresh trash or gas) complaints on that day.
- 2. Were there any operational complaints in April 2021?
 - Chris Coyle stated there were no complaints.
- 3. Has there been any progress on the City ordinance for the Chatsworth mitigation site?
 - Chris Coyle stated no progress has been made on the City ordinance.
- 4. Have extension letters been obtained from the Corps of Engineers and California Fish and Wildlife for the mitigation project?
 - Chris Coyle stated they have not obtained extension letters.

Site Visit Comments Mike Lindsay

- There were no landfill odors detected offsite.
- Westside Drainage Channel was clean.
- A D3 bulldozer was observed by the scales.
 - o Chris Coyle stated there was a crack in the soil of the slope and the bulldozer was used to pull trash out of the crack.
- There was no litter observed offsite.

The conference call was concluded.



Sunshine Canyon Landfill April 20, 2021 Site Visit Conference Call Discussion Items

Site Visit Participants

Mike Lindsay, UltraSystems – Separate Vehicle Tarik Hadj-Hamou, SRK – Separate Vehicle Edgar De La Torre and Diana Gonzalez, LACDRP – Separate Vehicle

Discussion Topics After Reviewing Site Visit Photos

- 1. (Photos 0876-0878) The equipment maintenance area was observed.
 - a.) When was the LEA office moved?
 - b.) When will the maintenance area be moved and to what location?
- 2. (Photos 0888, 0889, 0908-0915) Basin A and the western native vegetated slopes were observed.
 - a.) Basin A was dry and ready for rain. There was minimal sediment in the basin.
 - b.) Windblow litter was seen on the native vegetation behind Basin A and on the western slopes. When will this litter be removed?
- 3. (Photos 0879-0887, 0892-0894, 0896-0906) The lower portion of Cell CC-4 Part 3 and Cell CC-4 Part 4A were observed. These areas were inactive.
 - a.) There was windblown litter in both areas. There was a substantial amount of litter in the bottom of Part 4A. When will this litter be removed?
 - b.) The gas and odor control liner put on the eastern slope of Part 4A and over the gabion liquid and gas recovery devices were ballooning from landfill gas. Can the gas recovery vacuum system reduce the ballooning by recovering the gas?
- 4. (Photos 0916-0920, 0922, 0923, 0932, 0933, 1020-1022, 1027-1031) The upper portion of Cell CC-4 Part 3 was observed accepting waste. There were no operational concerns.
 - a.) Litter fences were in place around the active area.
 - b.) A six-foot high mesh litter fence was installed from the active area to the Old City South landfill. (Photos 0920, 1023) Is this fence being monitored for impacts to birds?
 - c.) ADC was being used.
- 5. (Photos 0925-0929) The Flare 3 facility was observed. The flare was burning 2901 SCFM of gas at a temperature of 1664°F.
 - a.) Why is the temperature set-point over 1600°F?
 - b.) What is the communication pole in the background of the picture 0926 used for?
- 6. (Photos 0930-0931, 0940, 0941, 0945-0947) The County top deck was observed. The soil stockpiled in this area has been substantially reduced. There were no operational concerns.
 - a.) Will this area be used for the future stockpiling of soil?



- b.) What is the current elevation?
- c.) Is the HDPE large bore pipe shown in Photo 0931 a new gas collection mainline? Is this on the final elevation for the deck in this area?
- 7. (Photos 0936-0939) The County sage mitigation area was observed.
 - a.) No mitigation work was being done on the mitigation area slopes.
 - b.) Native plants were doing well in the areas where they have naturally established.
- 8. (Photos 0950-0955, 0942, 0934, 0935, 0921) Basin D and the westside drainage channel were observed. The basin was dry.
 - a.) There were no operational concerns noted.
- 9. (Photos 0948, 0949, 0943, 0944) The Basin D adjacent area and the material storage yard were observed.
 - a.) Tree trunks and branches were stockpiled on the County top deck next to Basin D. What is the plan for disposal?
 - b.) What is the updated status for the disposition of the five inoperable vehicles in the storage yard?
- 10. (Photos 0958-0962) The Flares 9, 10 and 11 blowers and flares were observed.
 - a.) The flares are burning at the following temperatures:
 - i. Flare 9 1654°F
 - ii. Flare 10 1652°F
 - iii. Flare 11 1655°F
 - b.) Why are the temperature set point so high?
- 11. (Photos 0077-0981, 0983-0985, 0994, 0995, 1001, 1002, 1005, 1008, 1009, 1015) Basin B and the eastside drainage channels were observed.
 - a.) The native hillside in the back of Basin B had a significant amount of windblown trash.
 - b.) What is the updated status for the eastside drainage channels with piles of litter, vegetation growing in concrete cracks, and debris in and adjacent to the channels?
- 12. (Photos 0989, 0990, 0987, 0988, 0991, 0996-0998) The scales area was observed.
 - a.) Most of the scales' dirt exit roads were being watered. However, portions of the roadways used by packer trucks were not, causing large dust clouds.
- 13. (Photos 1010-1013) The new office area was observed.
 - a.) What office buildings are now at this location?
 - b.) Are any other buildings going to be located here?
- 14. (Photos 1017, 1018) The Deck B Basin was observed.
 - a.) Will this basin be replaced by a new basin when the terminal buttress is constructed?



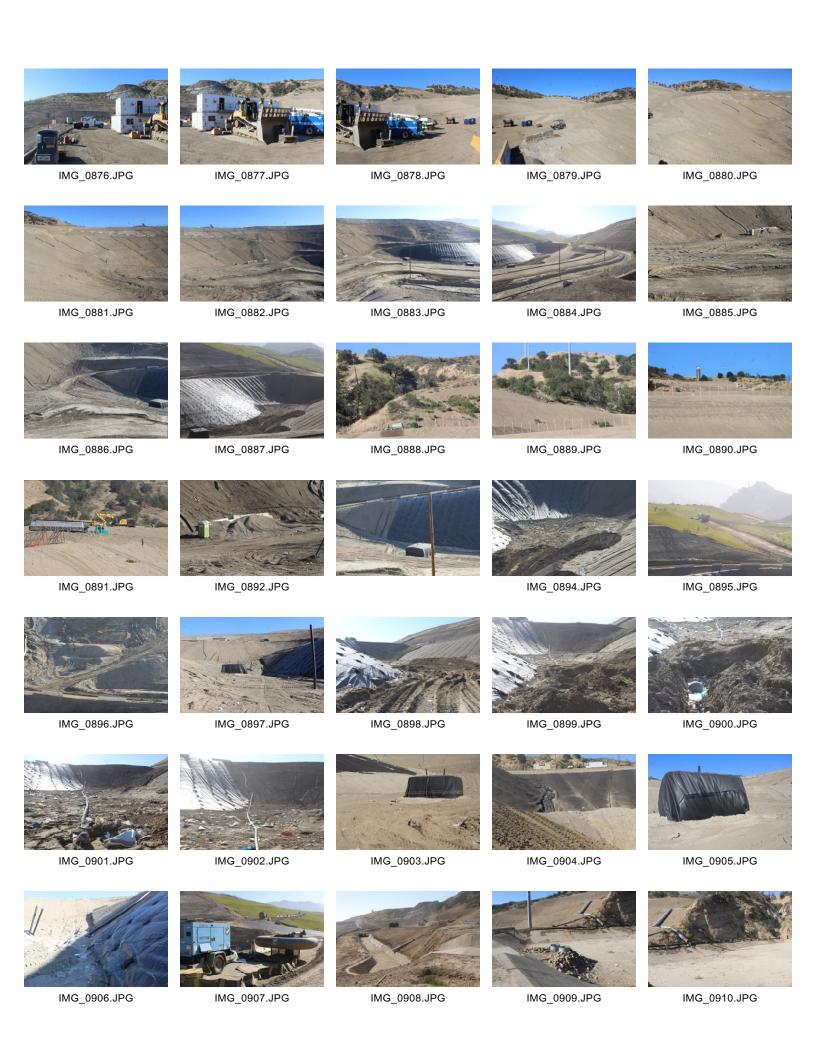
- 15. (Photos 1036-1039) The Flare 1 facility was observed. The flare was burning 2042 SCFM of gas at the temperature of 1635°F.
 - a.) Why is the temperature set point over 1600°F?
- 16. (Photos 1040-1044) The City Deck B sage mitigation area was observed.
 - a.) Non-native annual grasses need to be removed.
- 17. (Photos 1045-1054) The City Deck C sage mitigation and PM-10 oak tree mitigation areas were observed.
 - a.) There were areas where non-native vegetation removal needs to be done.
 - b.) Has a count of the dead oak trees and a schedule of their replacement been done?
- 18. (Photos 1057-1070) The terminal sedimentation basin was observed.
 - a.) When will the basin be cleared of windblown and water-carried trash, vegetation and sediment?
- 19. (Photos 1074-1093) The future main access road graded area was observed.
 - a.) What is the schedule for the road and final buttress construction?
 - b.) How much soil needs to be imported?
- 20. Gas recovery was:
 - a) Flare 1 2042 SCFM
 - b) Flare 3 2901 SCFM
 - c) Flare 9 3700 SCFM
 - d) Flare 10 2974 SCFM
 - e) Flare 11 3186 SCFM
 - f) SCP Facility 0 (offline for maintenance) Total gas volume was 14,803.
 - 1. Why was recovered gas lower than prior months?

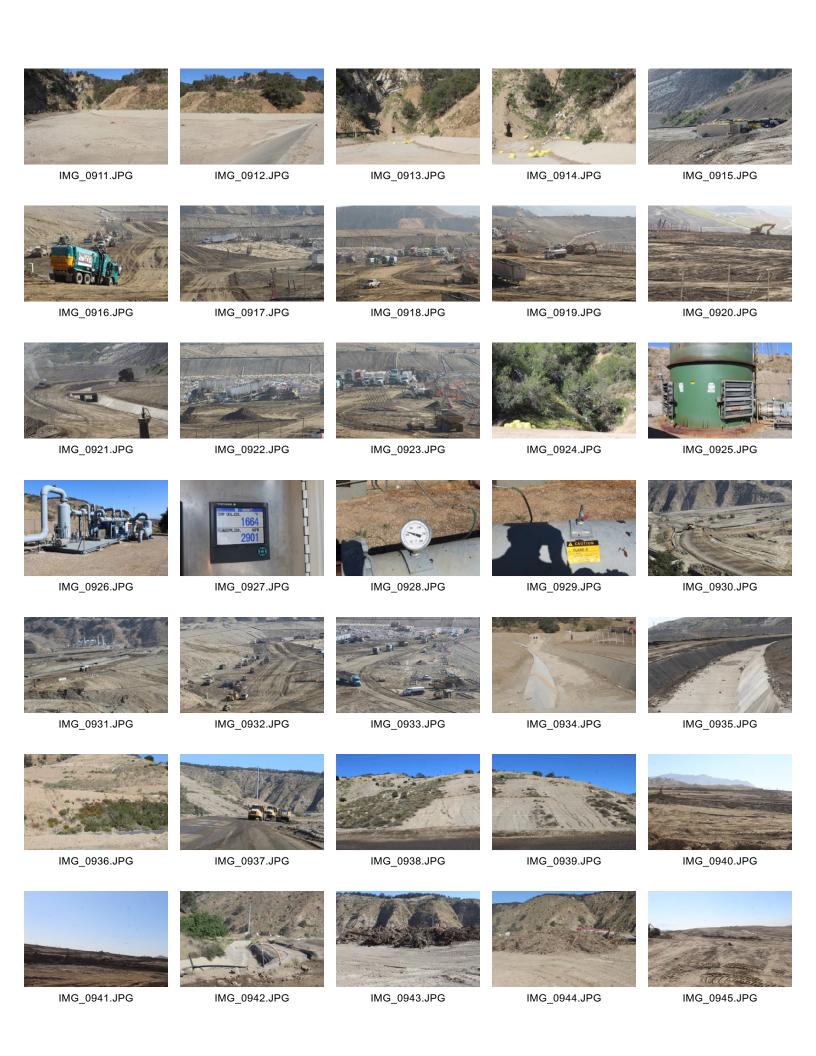
Site Operations

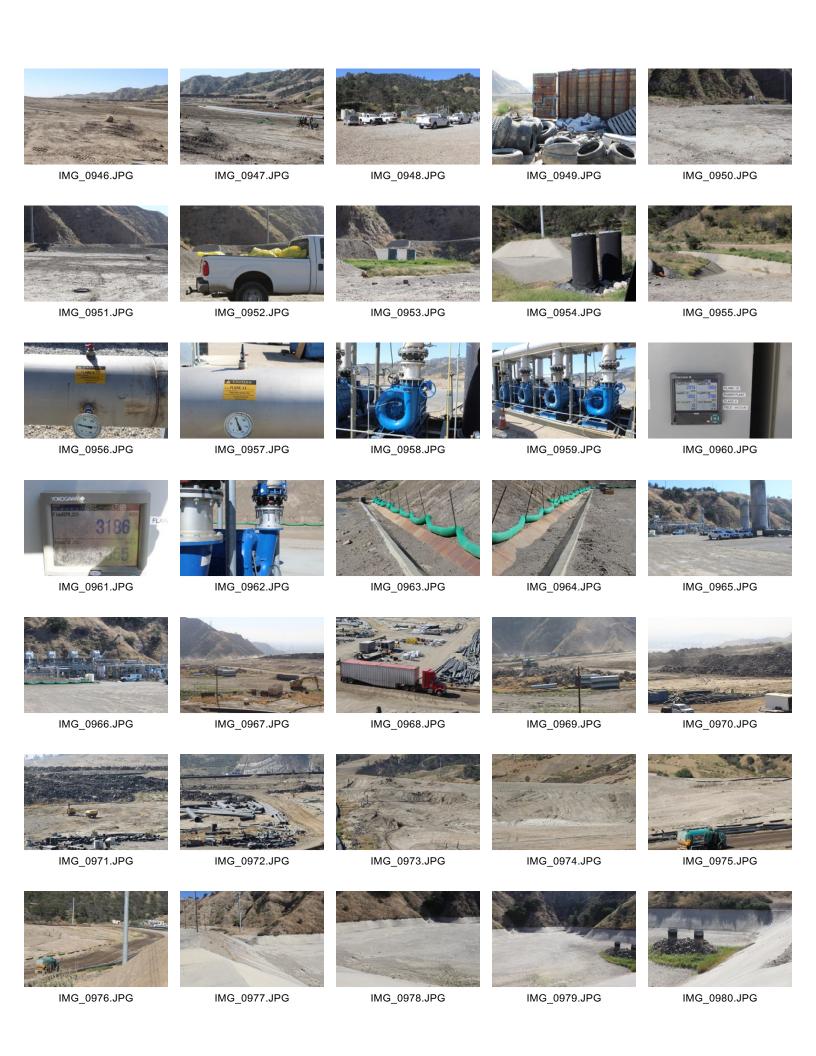
- 1. Were there any notices of violation (NOVs) issued in April 2021?
- 1. Were there any operational complaints in April 2021?
- 2. Has there been any progress on the City ordinance for the Chatsworth mitigation site?
- 3. Have extension letters been obtained from the Corps of Engineers and California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

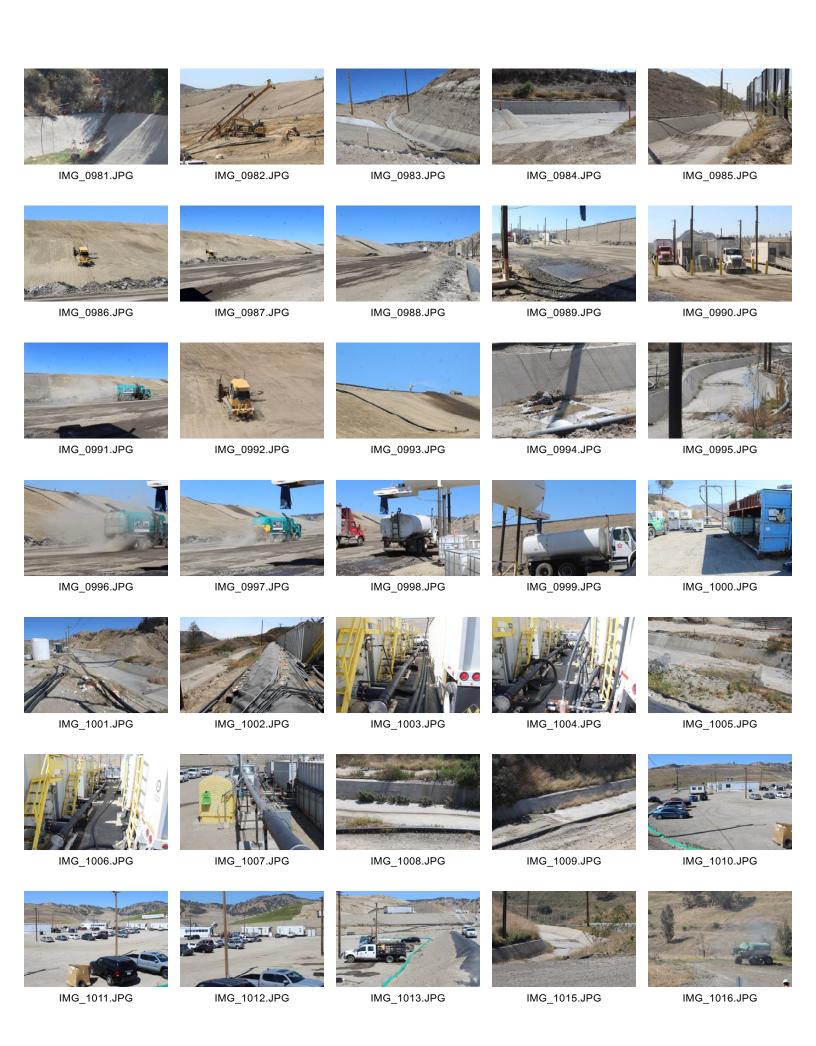
Site Visit Comments Mike Lindsay

To be discussed during conference call.

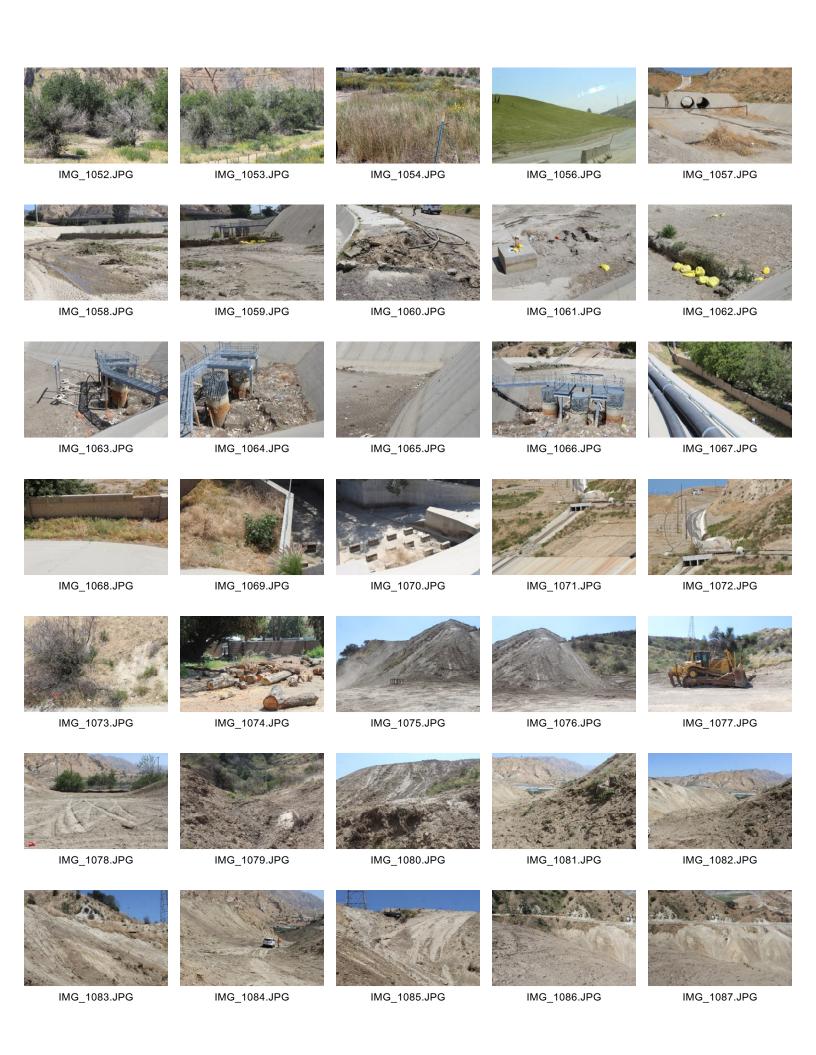






















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SUNSHINE CANYON LANDFILL MITIGATION MONITORING SITE REPORT

Monitor: James Aidukas	Page: 1 of 1
Discipline: Project Manager	Date: 4/7/2021
Site Conditions: Sunny, 60° F, no wind	
SITE LOG	
Republic General Manager - Chris Coyle Drove to Sunshine to observe the initial grading performed for the preparation of the grading and construction of the final toe berm. Initial rough grading was done in the southern canyon outside of the fill footprint for the re-alignment of the main access road. Drove and walked the canyon to observe the grading impacts. Photos were taken of the grading. The development plans will be reviewed when approved by the City grading department and made available to the monitor. Drove the Granada Hills neighborhood at approximately 12:00 noon to monitor the area for landfill odors. No odors were detected.	
FLIRTHER RE	VIEW NEEDED
I ONTHER REVIEW INCLUDED	
COMMENTS	
Signed:	
Jigheu. ////woulds	

SUNSHINE CANYON LANDFILL MITIGATION MONITORING SITE REPORT

Monitor: Mike Lindsay	Page: 1 of 2
Discipline: Environmental Engineer	Date: 04-20-2021 Tuesday
Site Conditions: Clear, 57–73 °F, E 3–13 mph, 57% RH, 37 AQI	

SITE LOG

- 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 Tarik Hadj-Hamou (SRK) followed me in separate vehicles to site locations.
- 4. Maintenance facility is in good order.
- 5. The LEA trailers have been moved, with one trailer remaining.
- 6. Observed Cell CC-4 Part 4A from the LEA office location. No trash filling is occurring this morning. No odors are present along bottom of northeast slope. Northeast slope cover is puffed-up with gas. The floating sump pump has been removed from bottom of cell.
- 7. Sediment basin A is dry, with wind-blown trash collected in yellow bags at back of basin. Wind-blown trash is present along back slopes.
- 8. Street sweepers are cleaning the haul roads.
- 9. The westside drainage channel is clear and in good order.
- 10. Flare 3 is operating at 2901 scfm, 1664 °F. Gas sample measured at 31 % Vol. CH4, 1.2 % Vol. O2, 90 ppm H2S and 263 ppm CO. Gas inlet temperature is 112 °F.
- 11. Workers are picking up wind-blown trash on slopes below Flare 3.
- 12. Cell CC-4 Part 3 working area is in good order; the ADC is 50% covered with new trash at 8:50 am. Four tippers are active, with moving-floor trucks dumping to the northeast-side of cell.
- 13. The County sage mitigation slopes are showing signs of growth within existing areas of vegetation.
- 14. County top deck is in good order, with soil being loaded into dump trucks for use at working area.
- 15. The storage yard is in good order, with five vehicles, used tires and a mattress being stored.
- 16. Sediment basin D is in good order, with riser drains clear of debris.
- 17. Flare 9 is operating at 3700 scfm, 1654 °F. Gas sample measured at 45 % Vol. CH4, 1.7 % Vol. O2, 79 ppm H2S and 371 ppm CO. Blowers 1, 2, 3, 4, 5 and 6 are operating. Gas inlet temperature is 98 °F.
- 18. Flare 10 is operating at 2974 scfm, 1652 °F.
- 19. Flare 11 is operating at 3186 scfm, 1655 °F. Gas inlet temperature is 100 °F.
- 20. Blower number 4 has been reinstalled.
- 21. The Sunshine Gas Producers facility is offline until Thursday for their semiannual maintenance, with 23 work vehicles and a crane present. One turbine may be online by tomorrow.
- 22. A cube liquid container has fallen down the west slope of the flare pad.
- 23. Water trucks are applying water to site for dust control.
- 24. Sediment basin B is dry and in good order, with no wind-blown trash present.
- 25. No odors are present at bowl area south of basin B.
- 26. Traffic spotters are onsite to control traffic.
- 27. A new gas well is being drilled in bowl area by sediment basin B.
- 28. The eastside drainage channel has sediment, vegetation and debris at the water speed bumps.
- 29. The scales are in good order, with minor pot holes present along exit roadway.
- 30. A D3 bulldozer is contouring the steep slope along the main haul road, northwest of scales area.
- 31. No odors are present at the Alder tank farm.
- 32. The admin facility is in good order, with LEA facility now in-place.

- 33. Observed overall landfill operations from observation deck, including maintenance yard, Cell CC-4 Part 3 and Part 4A, City north slopes and top deck.
- 34. Workers are removing wind-blown trash and sediment from drainage channel by sediment basin B.
- 35. Closure turf at the City north slopes is in good order.
- 36. The new 8-foot litter fencing has been extended along the entire southern bench roadway between basin A and the old City South area.
- 37. Water misters are operating along perimeter roadway for dust and odor control.
- 38. Flare 1 is operating at 2042 scfm, 1635 °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.
- 39. City deck A sage mitigation area has some new vegetation growth.
- 40. City deck B is in good order, with yellow daisies growing throughout site.
- 41. City deck C is showing signs of growth.
- 42. The PM-10 berm mitigation oak trees are showing some green growth at upper branches.
- 43. Water misters are operating along the PM-10 berm for odor and dust control.
- 44. Terminal basin is in good order, with no standing water; deep mud is drying out. Basin has wind-blown trash and debris at the riser drains and gabion wall.
- 45. Wind-blown trash and tumbleweeds have been removed at the terminal basin outlet area.
- 46. Observed rough-grading at oil field road for new landfill entrance roadway. Track-out rumble strips are in-place at construction entrance.
- 47. Observed rough-grading along oil field road, 200 yards southeast of landfill entrance, above the CNG odorization station on San Fernando Road. No seeps or springs were observed.
- 48. Water misters are operating along main haul road for dust control.
- 49. Checked out of office with Chris Coyle via phone.

FURTHER REVIEW NEEDED

- 1. Remove cube liquid container on the west slope of the flare pad.
- 2. Remove wind-blown trash at sediment basin A back slopes.

Signed: Ticksel W. Lindsay

May 2021



Sunshine Canyon Landfill May 13, 2021 Site Visit June 17, 2021 Site Monitoring Conference Call

Site Visit performed by Mike Lindsay and James Aidukas (UltraSystems), and Tarik Hadj-Hamou (SRK) 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 and Valerie Moore (Republic).

Participants:

Edgar De La Torre, LACDRP Diana Gonzalez, LACDRP Gabriel Esparza, LACDPW Vu Truong, LACDPW James Aidukas, UltraSystems Mike Lindsay, UltraSystems Tarik Hadj-Hamou, SRK

Site Visit Observations Discussion:

To follow CDC guidelines for COVID-19 health protocols, UltraSystems sent personnel in separate vehicles to perform a site visit to photograph site conditions and record site observations of the landfill. Edgar De La Torre and Diana Gonzalez also were in a separate vehicle. After reviewing the photos and observation record, a post-site visit conference call was held to discuss Sunshine Canyon Landfill operations and the status of construction, maintenance and compliance for the month of May. 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:

- 1. The adjacent neighborhood was monitored for odor from 7:00 7:40 a.m. There were no landfill odors detected. Balboa Boulevard did not have any liquids odors from packer trucks.
 - Chris Coyle acknowledged the statement.
- 2. There were illegally dumped litter and other bags of trash observed along Balboa Boulevard near the entrance to the Jensen filtration plant.
 - Chris Coyle stated he was not aware of that, and that they do not patrol that area.
- 3. (Photos 1268-1270) The new administration area was observed and there were no concerns.
 - Chris Coyle acknowledged the statement.
- 4. (Photos 1271, 1275-1277, 1279) The Adler tank liquids treatment facility was observed. There were no odors detected.



- a.) Why was caution tape placed around the facility?
 - o Chris Coyle stated to keep people out during a tank inspection.
- b.) There were eight bins of 30% hydrogen peroxide stored at the treatment facility site. Is there a limit on what quantity can be stored?
 - o Chris Coyle stated there is no limit on how much hydrogen peroxide can be stored.
- 5. (Photos 1272-1274, 1278, 1280-1282, 1285, 1286) The eastside drainage channel was observed.
 - a.) There was no change since the last visit. Areas of the channel had piles of litter and debris. Vegetation was growing in and adjacent to the concrete channel. Is there a schedule for removing the vegetation and performing required repairs?
 - o Chris Coyle stated they will get it done by October 1st.
- 6. (Photos 1283, 1284) The eastside low point liner liquid removal system was observed. It was recently updated with new piping and equipment, and a concrete block protective wall installed around the back side.
 - a.) Will this system remain after the final toe berm and liner is constructed?
 - Chris Coyle stated he thinks it will remain in place but he will need to check to make sure.
- 7. (Photos 1287, 1293, 1295) The water storage tank for dust control use was observed.
 - a.) Can recycled concrete be used to fill the deep area of erosion caused by water runoff and provide for drainage?
 - Chris Coyle stated he will have an engineer look at the conditions and come up with a solution. They are currently constantly repairing that area.
- 8. (Photos 1288, 1294) The scale's exit area was observed.
 - a.) What caused the bollard to be leaning over?
 - o Chris Coyle stated that is the result of someone hitting it by accident.
 - b.) Potholes were noted at the exit ramp. How often do these occur?
 - o Chris Coyle stated that the exit ramp is on fill and requires constant maintenance.
- 9. (Photos 1296, 1297, 1341, 1382, 1386) Transfer trucks were generating dust clouds when leaving the scales area and on portions of the haul road. Only a portion of the roadway was being watered for dust control.
 - a.) Can this be remedied by using a soil binder?
 - O Chris Coyle stated that yes it could. They also can control dust generation by watering of the areas.
- 10. (Photo 1303) A solar panel was observed.
 - a.) What is this being used for?
 - Chris Coyle stated it is used to generate power for the electronic descaling equipment.
- 11. (Photos 1304-1312) Basin B was observed. There was no change since the last site visit. The windblown trash in the back of the basin and vegetation growing in the basin was not worked on.
 - a.) Has this work been scheduled?
 - o Chris Coyle stated they will begin maintenance on Basin B in July.



- 12. (Photos 1361-1370) Basin A and its discharge westside channel were observed. The basin was dry with minimal sediment and the channel was clean. The back and side native slopes of Basin A had windblown litter.
 - a.) Is there a schedule to remove the litter?
 - Chris Coyle stated they will get to that as soon as possible. It will be cleaned by October 1st.
- 13. (Photos 1351-1360, 1379, 1432, 1436, 1437) The active fill area was observed. There were no operational concerns.
 - Chris Coyle acknowledged the statement.
- 14. The flares and gas-to-energy facility was observed.
 - a.) The gas being recovered was:
 - i. Flare 1 2045 SCFM
 - ii. Flare 3 2589 SCFM
 - iii. Flare 9 2813 SCFM
 - iv. Flare 10 2854 SCFM
 - v. Flare 11 not operating
 - b.) Total gas volume flared was 10,301 SCFM.
 - c.) Sunshine Gas Producers facility was using 8238 SCFM.
 - d.) Total gas recovered was 18,539 SCFM.
 - e.) The flares were operating at 1636°F to 1691°F.
 - f.) Has SCS stated why the flare temperature set points are so high?
 - o Chris Coyle stated that the flares are set to operate from 1600-2000 °F.
 - o Jim Aidukas stated that Flare 1 is an old flare design and was made to operate around a maximum of 1625 °F.
 - Chris Coyle stated that they are just abiding by Title 5 of the AQMD regulations and that these concerns should be brought up to SCAQMD and Josh Mills (Republic).
 - o Iim Aidukas acknowledged the statement.
 - g.) What is the status of constructing a new renewable gas-to-energy facility to use the excess gas volume that is being flared?
 - o Chris Coyle stated Republic's renewable energy department is evaluating options to use the excess gas being flared.
- 15. (Photos 1403-1425) The County top deck was observed. A significant amount of the stockpiled soil was removed.
 - a.) How much soil is remaining on the deck?
 - o Chris Coyle stated that he does not know. He will look at the data and get back to us with an estimated volume.
- 16. (Photos 1461-1469) The PM-10 oak trees were observed. Some were dead.
 - a.) Has the tree status report been prepared listing the number of dead trees requiring replacement and a schedule for their replacement?
 - o Chris Coyle stated that the report has been prepared and they will start planting replacement trees in the fall.
- 17. The future access road alignment and the terminal toe berm areas were observed.
 - a.) Have the final design plans been approved?



- Chris Coyle stated they are in the middle of the approval process. The City has finished their plan-check.
- b.) When will mass excavation and soil placement start?
 - Chris Coyle stated that hopefully next week after approval of the plans and permits.

Site Operations

- 1. Were there any notices of violation (NOVs) issued in May 2021?
 - Chris Coyle stated no violations were issued in May.
- 1. Were there any operational complaints in May 2021?
 - Chris Coyle stated there were no operational complaints in May.
- 2. Has there been any progress on the City ordinance for the Chatsworth mitigation site?
 - Chris Coyle stated there has been no progress.
- 3. Have extension letters been obtained from the Corps of Engineers and California Fish and Wildlife for the mitigation project?
 - Chris Coyle stated there has been no progress.

Site Visit Comments Mike Lindsay

- There were no landfill odors detected offsite in May.
- Trucks were kicking up a lot of dust and roads needed to be watered more.
- The Blower 5 outlet flange was leaking gas.

The conference call concluded.



Sunshine Canyon Landfill May 13, 2021 Site Visit Conference Call Discussion Items

Site Visit Participants

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

Discussion Topics After Reviewing Site Visit Photos

- 1. The adjacent neighborhood was monitored for odor from 7:00 7:40 a.m. There were no landfill odors detected. Balboa Boulevard did not have any liquids odors from packer trucks.
- 2. There were illegally dumped paper and other trash along Balboa near the entrance to the Jensen filtration plant.
- 3. (Photos 1268-1270) The new administration area was observed and there were no concerns.
- 4. (Photos 1271, 1275-1277, 1279) The Adler tank liquids treatment facility was observed. There were no odors detected.
 - a.) Why was caution tape placed around the facility?
 - b.) There were eight bins of hydrogen peroxide at the site. Is there a limit on what quantity can be stored?
- 5. (Photos 1272-1274, 1278, 1280-1282, 1285, 1286) The eastside drainage channel was observed.
 - a.) There was no change since the last visit. Areas of the channel had piles of litter and debris. Vegetation was growing in and adjacent to the concrete channel. Is there a schedule for removing the vegetation and performing required repairs?
- 6. (Photos 1283, 1284) The eastside low point liner liquid removal system was observed. It was recently updated with new piping and equipment, and a concrete block protective wall.
 - a.) Will this system remain after the final toe berm and liner is constructed?
- 7. (Photos 1287, 1293, 1295) The water storage tank for dust control use was observed.
 - a.) Can recycled concrete be used to fill the deep area of erosion caused by water runoff and provide for drainage?
- 8. (Photos 1288, 1294) The scale's exit area was observed.
 - a.) What causes the bollard to be leaning over?
 - b.) Potholes were noted at the exit ramp. How often do these occur?



- 9. (Photos 1296, 1297, 1341, 1382, 1386) Transfer trucks were generating dust clouds when leaving the scales area and on the haul road. Only a portion of the roadway was being watered for dust control.
 - a.) Can this be remedied by using a soil binder?
- 10. (Photo 1303) A solar panel was observed.
 - a.) What is this being used for?
- 11. (Photos 1304-1312) Basin B was observed. There was no change since the last site visit. The windblown trash in the back of the basin and vegetation growing in the basin was not worked on.
 - a.) Has this work been scheduled?
- 12. (Photos 1361-1370) Basin A and its discharge westside channel were observed. The basin was dry with minimal sediment and the channel was clean. The back and side native slopes of the basin had windblown litter.
 - a.) Is there a schedule to remove the litter?
- 13. (Photos 1351-1360, 1379, 1432, 1436, 1437) The active fill area was observed. There were no operational concerns.
- 14. The flares and gas-to-energy facility was observed.
 - a.) The gas being recovered was:
 - i. Flare 1 2045 SCFM
 - ii. Flare 3 2589 SCFM
 - iii. Flare 9 2813 SCFM
 - iv. Flare 10 2854 SCFM
 - v. Flare 11 not operating
 - b.) Total gas volume flared was 10,301 SCFM.
 - c.) Sunshine Gas Producers facility was using 8238 SCFM.
 - d.) Total gas recovered was 18539 SCFM.
 - e.) The flares were operating at 1636°F to 1691°F.
 - f.) Has SCS stated why the flare temperature set points are so high?
 - g.) What is the status of a new renewable gas-to-energy facility being pursued to use the gas that is being flared?
- 15. (Photos 1403-1425) The County top deck was observed. A significant amount of the stockpiled soil was removed.
 - a.) How much soil is remaining on the deck?
- 16. (Photos 1461-1469) The PM-10 oak trees were observed. Some were dead.
 - a.) Has a report been prepared listing the number of dead trees and a schedule for their replacement?
- 17. The future access road alignment and the terminal toe berm areas were observed.
 - a.) Have the final design plans been approved?
 - b.) When will mass excavation and soil placement start?

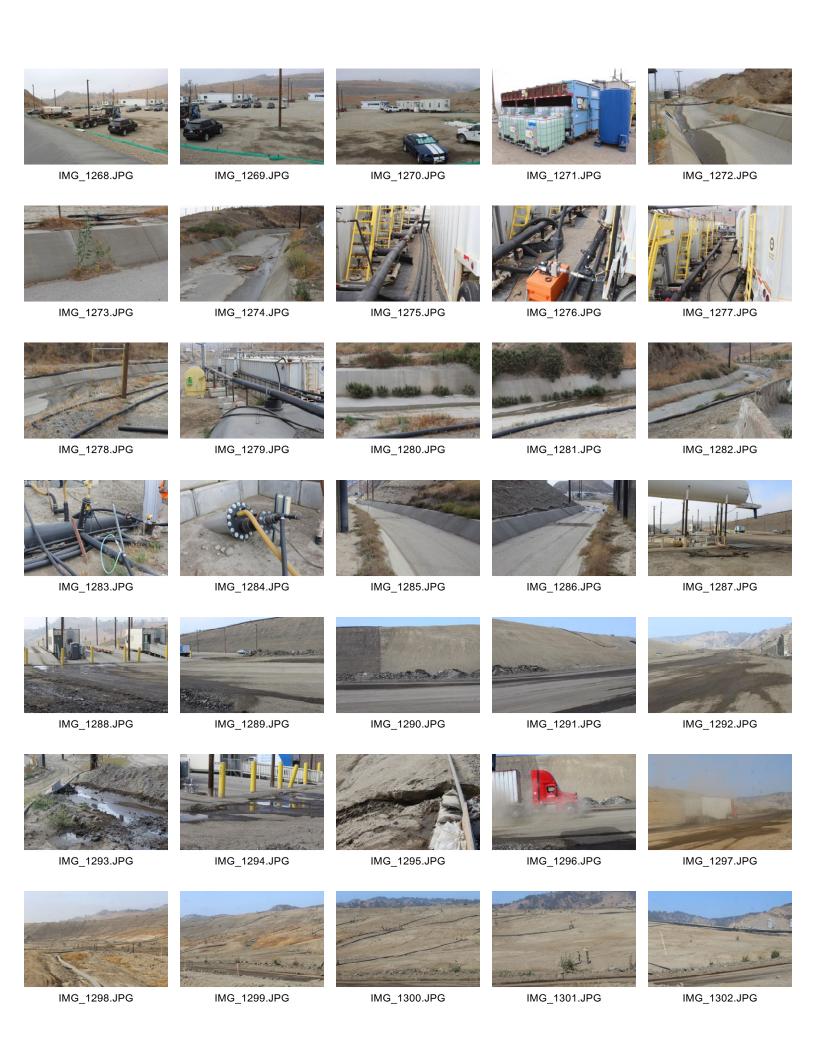


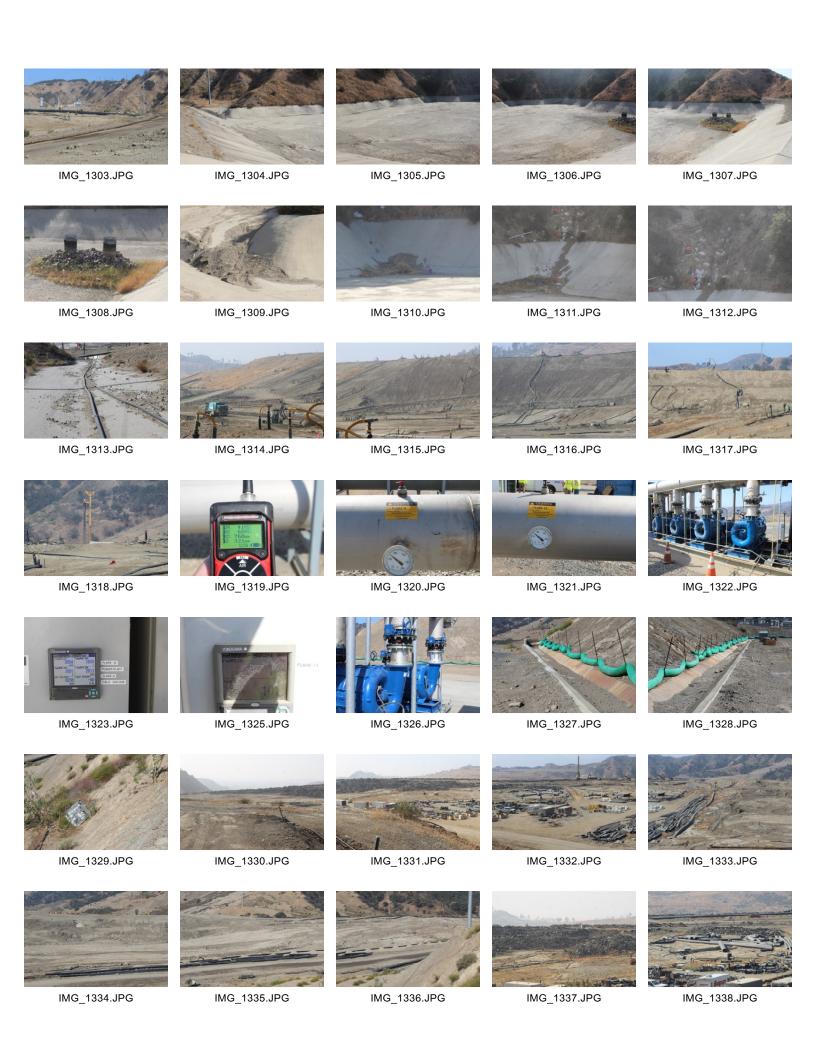
Site Operations

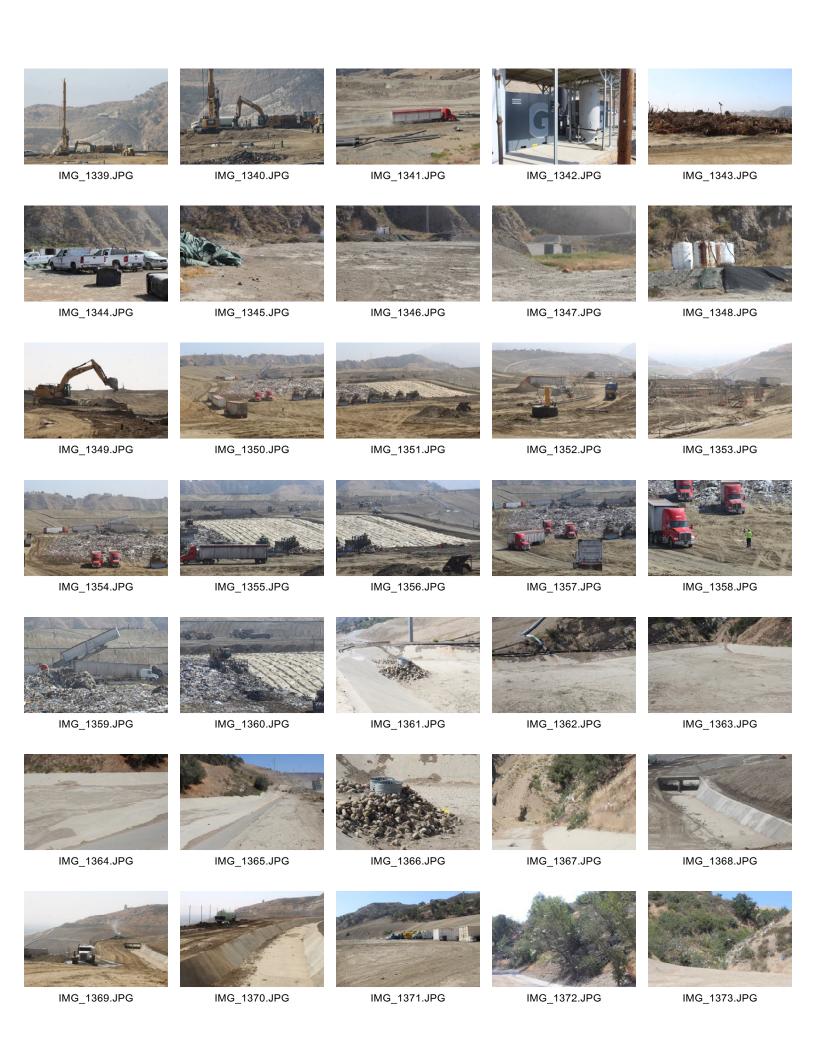
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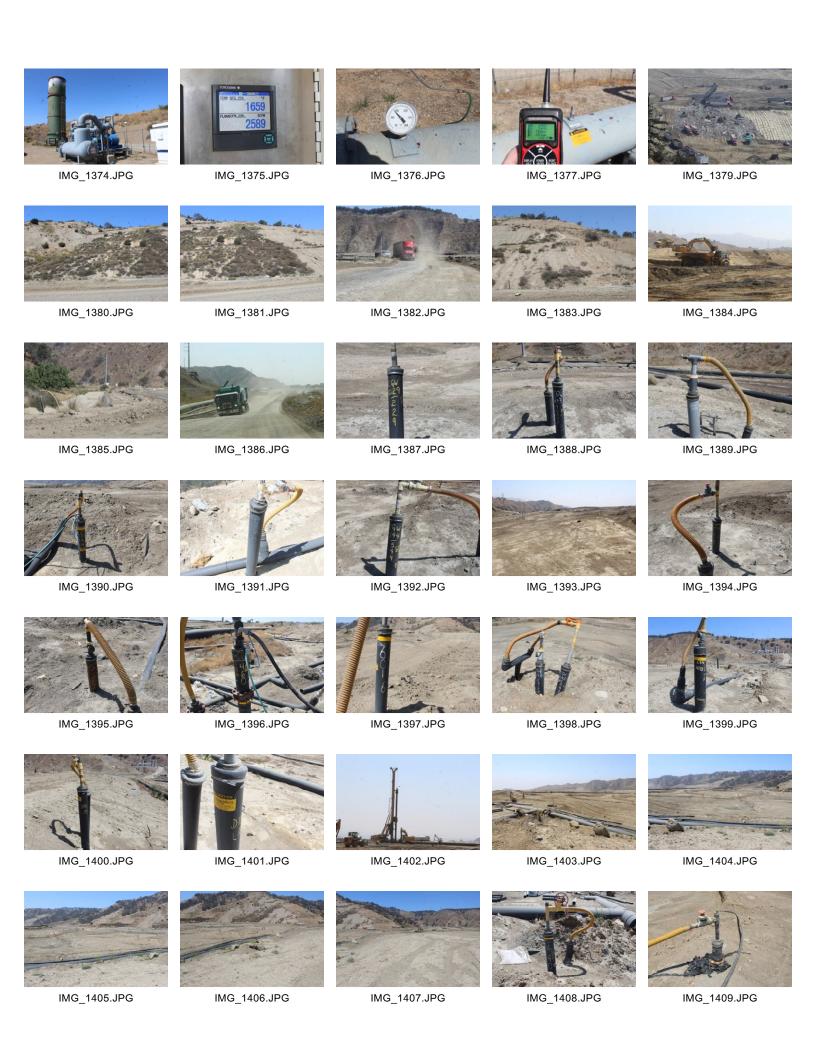
Site Visit Comments Mike Lindsay

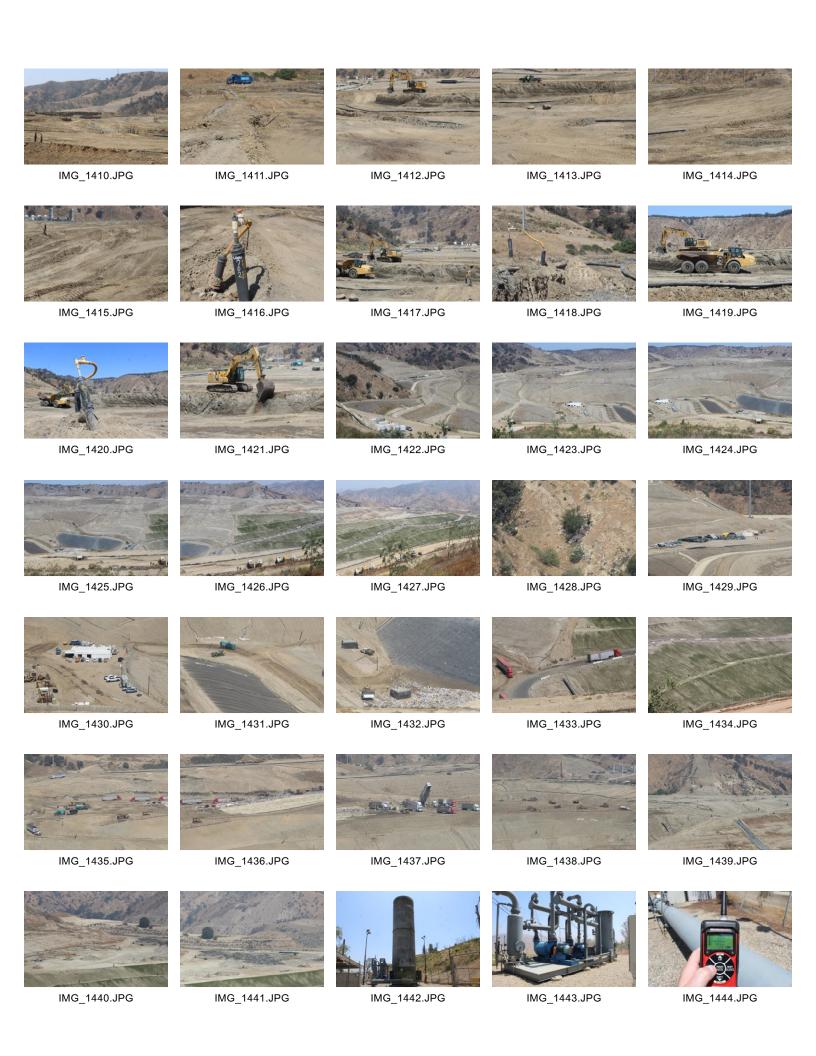
To be discussed during conference call.













SUNSHINE CANYON LANDFILL MITIGATION MONITORING SITE REPORT

Monitor: Mike Lindsay	Page:	1 of 2	
Discipline: Environmental Engineer	Date:	05-13-2021	Thursday
Site Conditions: Mostly Cloudy, 55–82 °F, SE 2–12 mph, 87% RH, 44 AQI			

SITE LOG

- 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), Jim Aidukas (UltraSystems) and Tarik Hadj-Hamou (SRK) followed me in separate vehicles to site locations.
- 4. The admin facility is in good order.
- 5. No odors are present at the Alder tank farm. Yellow caution tape has been placed around the entire tank farm perimeter.
- 6. The eastside drainage channel has vegetation growing out of concrete cracks.
- 7. Observed the low-point drainage sump, with large concrete blocks placed around the piping for protection. No pump flow was observed. No odors are present.
- 8. The scales are in good order, with some ponding water at exit ramps from the water truck refilling tank.
- 9. Street sweepers are cleaning the haul roads.
- 10. Erosion is present at the northeast slope by scales due to water tank spills. A drain has been installed.
- 11. Localized dust clouds are present from trailer trucks accelerating out of the scales exit lanes.
- 12. Sediment basin B is dry and in good order, with some wind-blown trash present on steep slope at back of basin.
- 13. No odors are present at bowl area southwest of basin B.
- 14. A water truck is partially disassembled on side of main haul road, northwest of sediment basin B.
- 15. Flare 9 is operating at 2813 scfm, 1655 °F. Gas sample measured at 41 % Vol. CH4, 1.5 % Vol. O2, 76 ppm H2S and 321 ppm CO. Blowers 1, 2, 3, 4, 5 and 6 are operating. Gas inlet temperature is 122 °F.
- 16. Flare 10 is operating at 2854 scfm, 1691 °F.
- 17. Flare 11 is offline.
- 18. The Sunshine Gas Producers facility is operating at 8238 scfm.
- 19. A localized gas odor is present at outlet flange of blower 6.
- 20. The cube liquid container is still laying on the west slope of the flare pad.
- 21. The storage yard is in good order, with five vehicles, used tires and a mattress being stored.
- 22. Sediment basin D is in good order, with riser drains clear of debris.
- 23. Water trucks are applying water to site for dust control.
- 24. A new gas well is being constructed on the County top deck.
- 25. The westside drainage channel is clear and in good order.
- 26. Large dump trucks are hauling soil from the County top deck to the working area for cover material.
- 27. Sediment basin A is dry. Wind-blown trash is present along back slopes.
- 28. Cell CC-4 Part 3 working area is in good order; the ADC is 50% covered with new trash at 10:00 am. Three tippers are active, with moving-floor trucks dumping to the northeast-side of cell.
- 29. Traffic spotters are onsite to control traffic.
- 30. A small flock of birds is circling the working face.
- 31. Water misters are operating along the bench road west of Cell CC-4 Part 3.
- 32. Flare 3 is operating at 2589 scfm, 1669 °F. Gas sample measured at 39 % Vol. CH4, 1.4 % Vol. O2, 76 ppm H2S and 352 ppm CO. Gas inlet temperature is 137 °F. No odors are present.

Page: 2 of 2 05-13-2021

- 33. Took GPS measurements of County top deck and new gas wells at north-end of deck.
- 34. Observed overall landfill operations from observation deck, including maintenance yard, Cell CC-4 Part 3 and Part 4A, City north slopes and County top deck.
- 35. Observed Cell CC-4 Part 4A, with packer trucks unloading. ADC is 40% covered with new trash at 11:30 am.
- 36. City deck A sage mitigation area has some new vegetation growth.
- 37. City deck B sage mitigation area is in good order, with new growth throughout site.
- 38. Flare 1 is operating at 2045 scfm, 1636 °F. Gas sample measured at 35 % Vol. CH4, 1.1 % Vol. O2, 100 ppm H2S and 281 ppm CO. Gas inlet temperature is 123 °F. No odors are present.
- 39. City deck C is in good order, with yellow-flowering plants dominant.
- 40. The PM-10 berm is in good order, with mitigation oak trees showing additional green growth at upper branches. Wind is blowing north, away from the adjacent neighborhood.
- 41. Water misters are operating along the PM-10 berm for odor and dust control.
- 42. Water misters are operating along main haul road for dust control.
- 43. Checked out of office with Chris Coyle via phone.

FURTHER REVIEW NEEDED

- 1. Remove vegetation growing in concrete cracks of eastside drainage channel.
- 2. Provide erosion control at water tank by scales.

Vichael W. Lindsay

- 3. Control dust at scales exit lanes.
- 4. Remove scrapped water truck.
- 5. Remove cube liquid container on the west slope of the flare pad.

Signed: ´



SUNSHINE CANYON LANDFILL

MITIGATION MONITORING

SITE REPORT

Monitor: Tarik Hadj-Hamou, Ph.D., P.E.	PAGE 1 OF 7
Discipline: Civil – Geotechnical and Hydrology	Date: May 13, 2021

Site Conditions: Sunny and warm

SITE LOG

8:00

- Meet with UltraSystems team members Mike Lindsay and Jim Aidukas, to prepare tour of landfill, review of previous visits, review documents, discuss potential issues, organize areas and features to inspect.
- Sign-up at landfill by phone (Mike Lindsay)
- Meet with Edgar De La Torre and Diana Gonzalez of L.A. County)

8:30–1:30 Site inspection

- Tour of landfill
- Access Roads
- Cell 4 Phase 4
- Waste placement
- Drainage systems (Basins, channels)
- Erosion protection system
- Grading work for new access road/berm
- Landfill for geotechnical and hydrological issues
- Other observations

Access Roads Including Oil Road.

Main access road: No stability concerns

Cell 4 Phase 4

• The geomembrane placed on the south facing slope to control gas emission from the waste mass is working, much less ballooning was observed than was observed in April 2021 (Photo 1)

Waste Placement

- Two waste faces were in operation:
 - On top of Cell CC4 Phase 2-3 with 3 Tilters set-up (Photo 2)
 - In Cell CC4 Phase 4 (Photo 3)
 - Interim cover material was used at both locations

Drainage System

- Terminal Basin
 - Due to construction we did not enter the basin
 - New drainage ditch was being dug out (Photo 4)
 - A couple of pipes were observed on side of excavations not sure of fluid transported need to be checked (Photo 5)
- Cell CC3 Earthen basin
 - Clean
- Basin B
 - Basin is clean insignificant of sediment on the floor
- Basin D
 - Basin is clean and available for water storage



- Vegetation is growing in crack on spillway to the west drainage channel as noted previously
- Basin A
 - Basin is clean insignificant of sediments on the floor
- Perimeter channels and ditches
 - Vegetation is growing though cracks and joints along portions of the channels and ditches (Photos 6 and 7). Note that bushes like that shown on Photo 7 can lift the bottom slab and lead to cracks as was observed in the past along the west channel

•

Erosion Protection Systems

- No major issues (gullies, sloughing) observed
- Jute mats, wattles, and mulch have been installed on the slopes
- North facing of Cell CC3 slope of Cell A was being dressed
- Erosion/gullies observed at water tower near scale house bypassing the drop inlet (Photo 8 and 9)

•

Grading work for new access road/berm

- Large excavation for future access road No construction activities on day of visit
- Native slopes have been cleared and grubbed exposing some geological facies (Photo 10).
- No potential geotechnical issues (sloughing, cracks, out of plane sliding) were observed
- drainage of the side canyon ending at San Fernando road near the Natural gas odorization facility remains a question.

Retaining wall along San Fernando Road

Marfform

 Large blocks and soil are pressing against the wire mesh fence above the wall – should be cleaned before rainy season to avoid overloading the fence

FURTHER REVIEW NEEDED

N/A

COMMENTS

N/A

Signed:



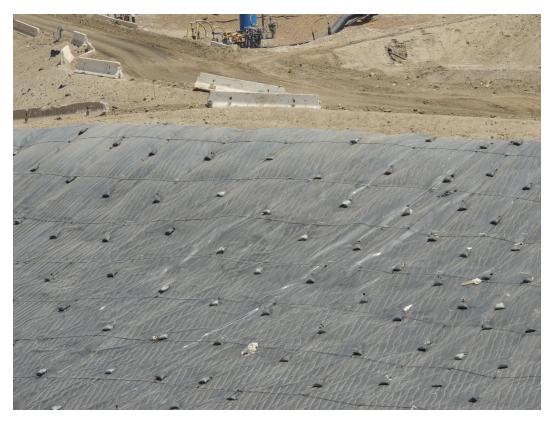


Photo 1: Ballooning of geomembrane on south facing slope of cell CC4 Part 4



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





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



Photo 4: New drainage ditch onto terminal basin





Photo 5: Existing pipe at location of new drainage ditch to terminal basin



Photo 6: Vegetation along joint between side and bottom slab – North channel near scale house





Photo 7: Bush growing between side and bottom slab



Photo 8: Erosion due to water from water tower





Photo 9: Water leaking form water tower bypassing drop inlet



Photo 10: Exposed geological facies at location of future access road

June 2021



Sunshine Canyon Landfill June 23, 2021 Site Visit July 1, 2021 Site Monitoring Conference Call

Site Visit performed by Mike Lindsay (UltraSystems) and Tarik Hadj-Hamou (SRK) 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 and TJ Singh (Republic).

Participants:

Edgar De La Torre, LACDRP Diana Gonzalez, LACDRP Gabriel Esparza, LACDPW Vu Truong, LACDPW James Aidukas, UltraSystems Mike Lindsay, UltraSystems Tarik Hadj-Hamou, SRK

Site Visit Observations Discussion:

To follow CDC guidelines for COVID-19 health protocols, UltraSystems sent personnel in separate vehicles to perform a site visit to photograph site conditions and record site observations of the landfill. Edgar De La Torre and Diana Gonzalez also were in a separate vehicle. After reviewing the photos and observation record, a post-site visit conference call was held to discuss Sunshine Canyon Landfill operations and the status of construction, maintenance and compliance for the month of June. 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:

- 1. The adjacent neighborhood was monitored for odor from 7:00 7:45 a.m. There were no landfill odors detected. Balboa Boulevard did not have any liquid odors from packer trucks near Woolsey.
 - a.) Chris Coyle acknowledged the statement.
- 2. (Photos 1689-1690, 1729) The new administration area was observed and there were no concerns.
 - a.) Trucks leaving the scales on the western side were causing localized dust clouds.
 - o Chris Coyle acknowledged the statement.
- 3. (Photos 1724-1725) The Adler tank liquids treatment facility was observed. There were no odors detected.
 - a.) Do the hydrogen peroxide storage containers have a pressure release system?
 - o Chris Coyle stated that they do have a pressure release system.
 - b.) Is there a maximum storage temperature for the hydrogen peroxide?
 - o Chris Coyle stated it has a maximum storage temperature of 212°F.
- 4. (Photo 1723) An eight-inch-diameter pipe was partially exposed near the tank farm.



- a.) Has this pipe been reburied?
 - Chris Coyle stated that he is not sure, but if it has not, it will be done. There is plenty of cover soil at that location.
- 5. (Photos 1739) The eastside drainage channel was observed.
 - a.) There was no change since the last visit. Areas of the channel had piles of litter and debris. Vegetation was growing in and adjacent to the concrete channel. Do these maintenance work tasks show up in your monthly and quarterly maintenance summary reports? (Surface Water 2.15 County condition.)
 - o Chris Coyle stated that they do show this in their monthly summary reports.
- 6. (Photos 1723) The eastside low point liner liquid removal system was observed. There were no concerns noted.
 - a.) Chris Coyle acknowledged the statement.
- 7. (Photos 1727-1728) The water storage tank for dust control use was observed.
 - a.) Is a more permanent drainage system planned for the spilling and leaking water?
 - Chris Coyle stated they are going to get the pinhole in the water tank sealed, re-grade the base for the tower, and put up a berm to direct the water.
- 8. (Photo 1735-1738) Basin B and County Bowl areas were observed.
 - a.) What was the source of the strong gas odor that was detected at 9:50 am?
 - Chris Coyle stated they were drilling that day and gas could have escaped from the drilling rig odor recovery system.
- 9. (Photos 1734) Basin B was observed. There was no change since the last site visit. The windblown trash in the back of the basin and vegetation growing in the basin was not worked on.
 - a.) Chris Coyle acknowledged the statement.
- 10. (Photos 1753-1754) Workers were observed using gas detection equipment along the collection pipes and wells near Cell CC-4 Part 3.
 - a.) Was this routine emission testing or something else?
 - Chris Coyle stated they are doing the initial check or recheck as part of their monthly activities.
- 11. (Photos 1779-1780) Cell CC-4 Part 4A was observed.
 - a.) The temporary membrane used for odor control has been removed.
 - b.) Is the northeast slope excavation removing stockpiled soil?
 - Chris Coyle stated yes, they were removing stockpiled soil to prepare for connecting CC-4 Part 4A to CC-2A.
- 12. The flares and gas-to-energy facility was observed.
 - a.) The gas being recovered was:
 - i. Flare 1 2293 SCFM
 - ii. Flare 3 not operating



- iii. Flare 9 2792 SCFM
- iv. Flare 10 2845 SCFM
- v. Flare 11 2817 SCFM
- b.) Total gas volume flared was 10,747 SCFM.
- c.) Total gas recovered was 21,636 SCFM.
- d.) The flares were operating at 1637°F to 1655°F.
- e.) What is the status of a new renewable gas-to-energy facility being pursued to use the gas that is being flared?
 - o Chris Coyle stated there is no update.
- 13. The future access road alignment and the terminal toe berm areas were observed.
 - a.) Have the final design plans been approved?
 - o Chris Coyle stated that they have been approved.
 - b.) When will mass excavation and soil placement start?
 - o Chris Coyle stated they will start on July 6.
 - c.) Has the source of soil import been determined?
 - o Chris Coyle stated they will be getting soil from the spot market.

Site Operations

- 1. Were there any notices of violation (NOVs) issued in June 2021?
 - a.) Chris Coyle stated no violations in the month of June.
- 2. Were there any operational complaints in June 2021?
 - b.) Chris Coyle stated that there were some odor complaints.
- 3. Has there been any progress on the City ordinance for the Chatsworth mitigation site?
 - c.) Chris Coyle stated there has been no progress.
- 4. Have extension letters been obtained from the Corps of Engineers and California Fish and Wildlife for the mitigation project?
 - d.) Chris Coyle stated there has been no progress.

Site Visit Comments Mike Lindsay

- 1. The terminal basin has been mostly cleaned but needs more cleaning up with tumbleweeds and vegetation still present.
- 2. Some odors were detected on the landfill, but they were all localized.
- 3. Site overall looked like it was operating well.

The conference call was concluded.



Sunshine Canyon Landfill June 23, 2021 Site Visit Conference Call Discussion Items

Site Visit Participants

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

Discussion Topics After Reviewing Site Visit Photos

- The adjacent neighborhood was monitored for odor from 7:00 7:45 a.m. There were no landfill
 odors detected. Balboa Boulevard did not have any liquids odors from packer trucks near
 Woolsey.
- 2. (Photos 1689-1690, 1729) The new administration area was observed and there were no concerns.
 - a.) How often do water trucks apply water around the facility?
 - b.) Trucks leaving the scales on the western side were causing dust clouds.
- 3. (Photos 1724-1725) The Adler tank liquids treatment facility was observed. There were no odors detected.
 - a.) Do the hydrogen peroxide storage containers have a pressure release system?
 - b.) Is there a maximum storage temperature for the hydrogen peroxide?
- 4. (Photo 1723) A nine-inch diameter pipe was partially exposed near the tank farm.
 - a.) Has this pipe been re-buried?
- 5. (Photos 1739) The eastside drainage channel was observed.
 - a.) There was no change since the last visit. Areas of the channel had piles of litter and debris. Vegetation was growing in and adjacent to the concrete channel. Does this maintenance work show in your monthly and quarterly summary reports? (Surface Water 2.15 County condition.)
- 6. (Photos 1723) The eastside low point liner liquid removal system was observed. There were no odors detected.
- 7. (Photos 1727-1728) The water storage tank for dust control use was observed.
 - a.) Is a more permanent drainage system planned for the spilling water?
- 8. (Photo 1735-1738) Basin B bowl area was observed.
 - b.) What is the source of the strong gas odor that was detected at 9:50 am?



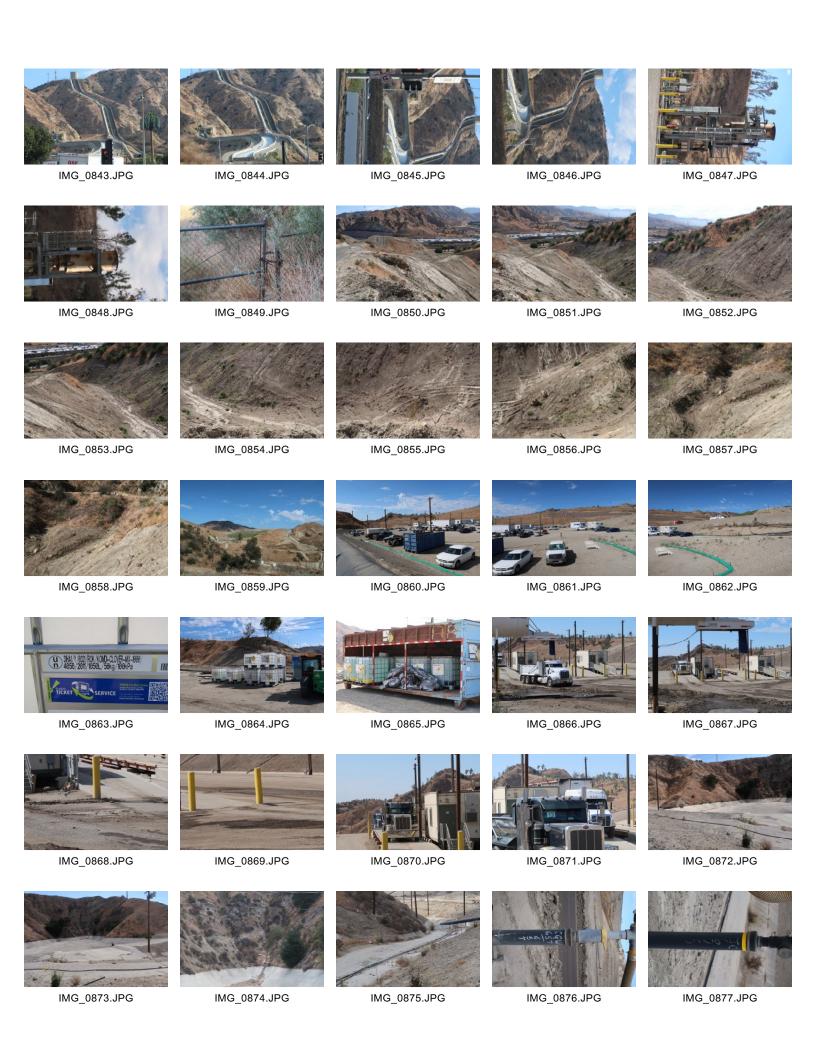
- 9. (Photos 1734) Basin B was observed. There was no change since the last site visit. The windblown trash in the back of the basin and vegetation growing in the basin was not worked on.
- 10. (Photos 1753-1754) Workers were observed using gas detection equipment along the collection pipes and wells near Cell CC-4 Part 3.
 - a.) Was this routine emission testing or something else?
- 11. (Photos 1779-1780) Cell CC-4 Part 4A was observed.
 - a.) The temporary membrane used for odor control has been removed.
 - b.) Is the northeast slope excavation removing stockpiled soil?
 - c.) When will this cell be used as the primary working area?
- 12. The flares and gas-to-energy facility was observed.
 - a.) The gas being recovered was:
 - i. Flare 1 2293 SCFM
 - ii. Flare 3 not operating
 - iii. Flare 9 2792 SCFM
 - iv. Flare 10 2845 SCFM
 - v. Flare 11 2817 SCFM
 - c.) Total gas volume flared was 10,747 SCFM.
 - d.) Sunshine Gas Producers facility meter was indicating 10,889 SCFM. This is beyond the capacity of the facility.
 - e.) Total gas recovered was 21,636 SCFM.
 - f.) The flares were operating at 1637°F to 1655°F.
 - g.) What is the status of a new renewable gas-to-energy facility being pursued to use the gas that is being flared?
- 13. The future access road alignment and the terminal toe berm areas were observed.
 - a.) Have the final design plans been approved?
 - b.) When will mass excavation and soil placement start?
 - c.) Has the source of soil import been determined?

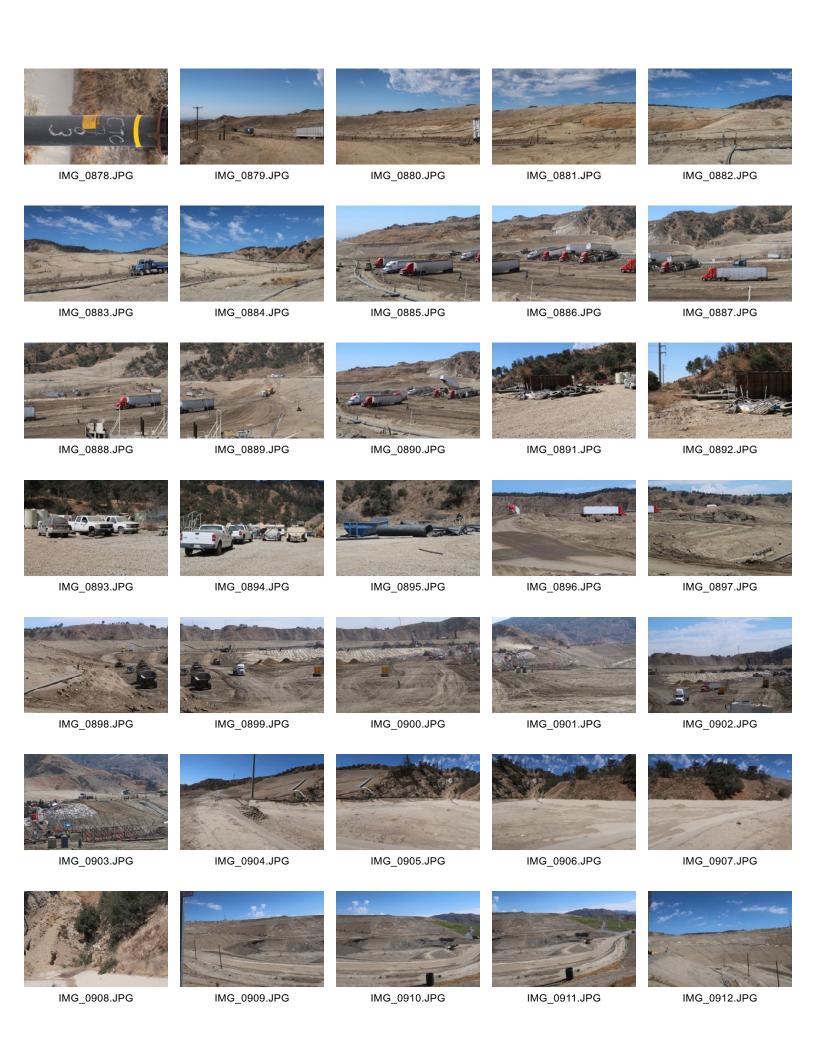
Site Operations

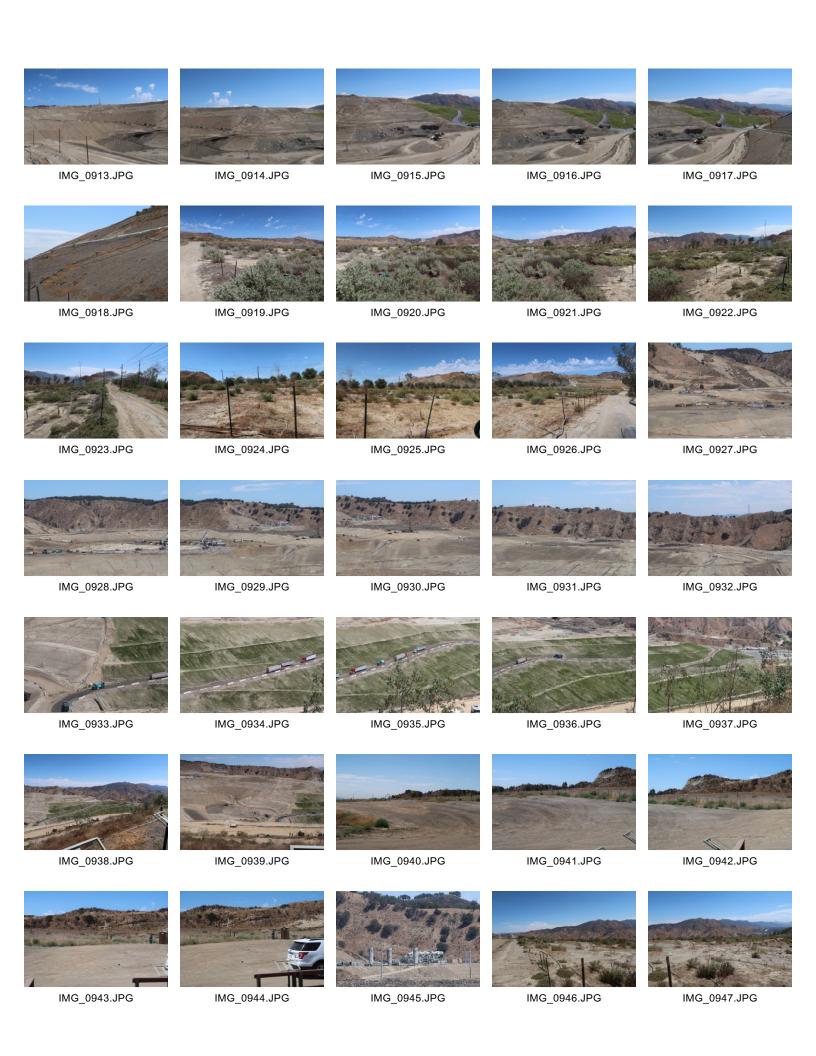
- 1. Were there any notices of violation (NOVs) issued in June 2021?
- 1. Were there any operational complaints in June 2021?
- 2. Has there been any progress on the City ordinance for the Chatsworth mitigation site?
- 3. Have extension letters been obtained from the Corps of Engineers and California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

Site Visit Comments Mike Lindsay

To be discussed during conference call.





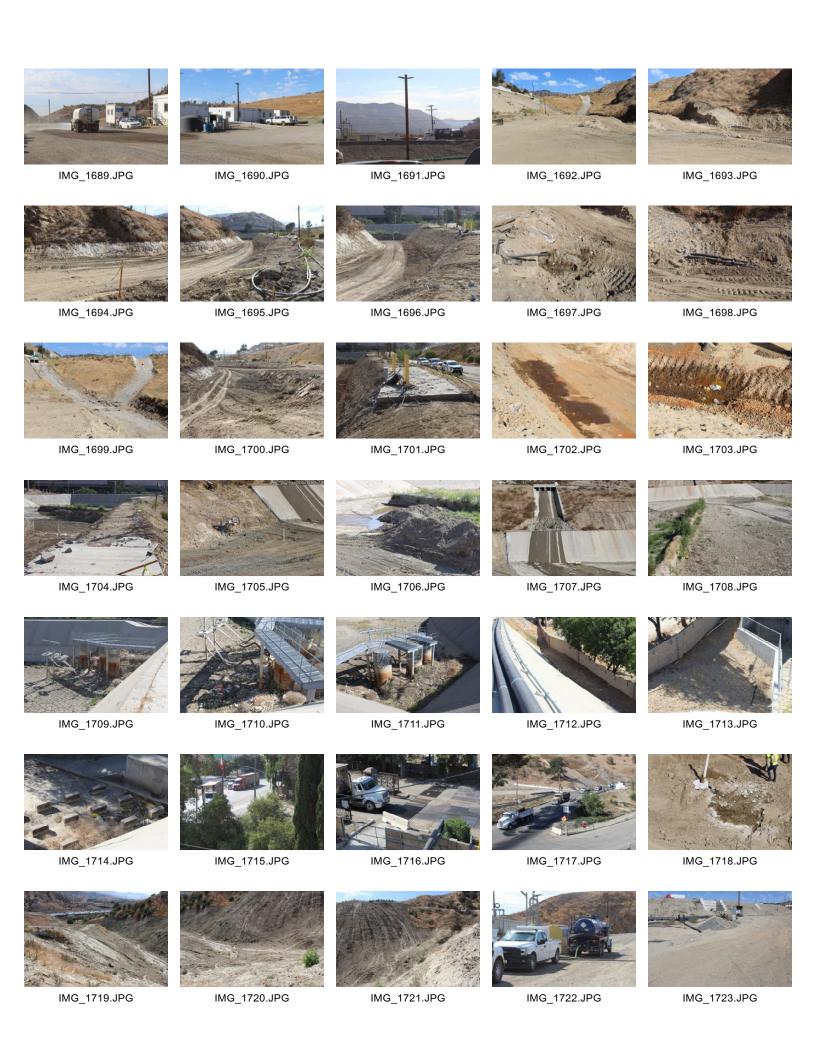






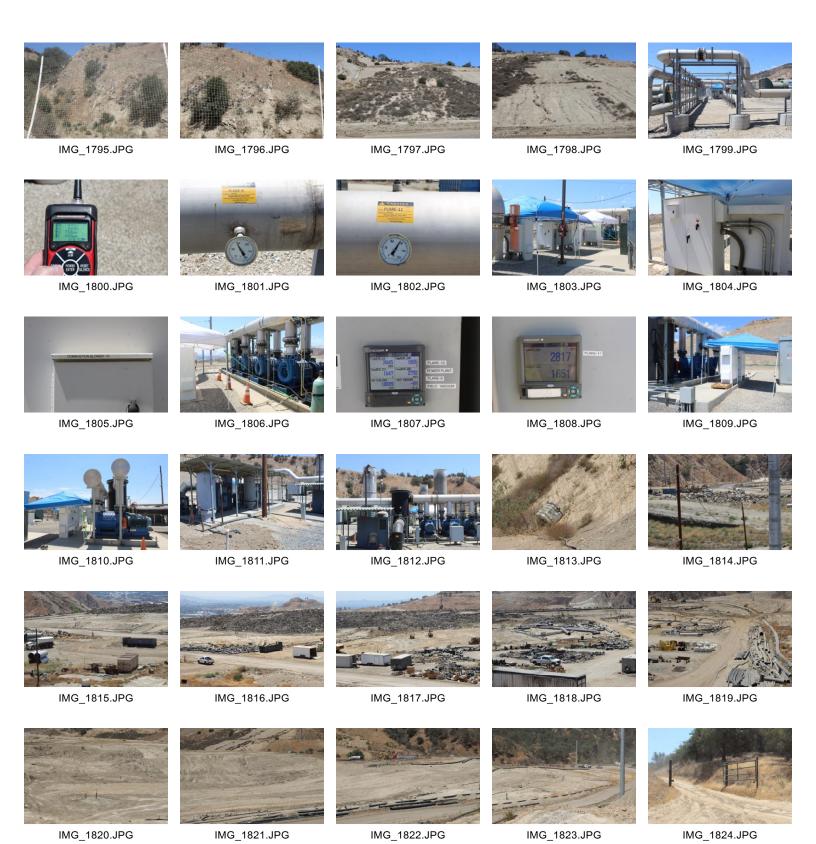














SUNSHINE CANYON LANDFILL MITIGATION MONITORING SITE REPORT

Monitor: James Aidukas	Page:	1	of	2	
Discipline: Project Manager	Date: 6/23/21				
Site Conditions: 60-85° F, 0-10 MPH winds					
	SITE LOG				

Republic General Manager - Chris Coyle

Drove the Granada Hills neighborhood and school areas from 7:10 to 7:50 a.m. There were no landfill odors detected. Met with Mike Lindsay (UltraSystems), Tarik Hadj-Hamou (SRK), and Edgar De La Torre and Diana Gonzalez (LACDRP). Mike Lindsay checked into the site via a phone call to Chris Coyle. We then proceeded to monitor the site in separate vehicles and observed the following:

- There was no litter observed on Balboa Boulevard.
- The oil field area was observed. The oil field flare was operating with hot exhaust waves swirling around the top of the stack. A flare stack extension was laying on the ground. The City fire department should visit this oil field site and advise if this type of flare is an approved use in this area.
- The south perimeter gate was locked.
- The brush removal and surface grading for the new access road had no activity since the last visit.
- The westside inlet to the terminal basin and the basin's floor and sidewall's concrete to the eastside inlet was removed in preparation for start of construction of the toe berm. The soil on the slopes and floor were wet from alluvial water, most likely from the cutoff wall.
- There general administration area was observed. There was no change since the last site visit in May. The parking area surface is holding up well, with no concerns noted.
- The LEA trailer was moved to the new offices area.
- The Adler Tank liquids treatment facility was observed. There were eight 1050-liter containers of 30% hydrogen peroxide. Yellow caution tape was still seen around the tank area. There were no landfill liquids odor detected.
- The scales were observed. The exit dirt road was in good condition. There were no potholes.
- The roadway on the west side of the scales was not being watered, and trucks were generating localized dust clouds when leaving the scales.
- Spillage from the water storage tank for dust control caused a deep erosion rill in the soil
 next to the tank. A dirt berm was constructed to keep the water off the scale's exit road. A
 more permanent solution is needed.
- There was no change in the condition of the eastside channel. It had spots with dry, windblown brush and litter and vegetation growing out of cracks in the concrete. Cleaning of the channels is on the maintenance schedules to be done by October 1st.

Page 2 of 2, 6/23/21:

- Basin B was dry and free of sediment. Litter was observed in the east back area of the basin and hillside vegetation.
- There were localized gas and/or liquids odors near CGW-657, CTC-625, and CTC-703. The exact source could not be determined.
- The County bowl area was observed and there were no concerns with the fill area noted. The disposal roads could use more water or use of tackifier to control dust.
- Cell CC-4 Part 3 was accepting waste. ADC was being used. There was no dust at the fill area.
- The Basin D storage area has piles of tires, steel, HDPE and other waste material that should be disposed of. The five inoperable vehicles are in the process of being disposed. Open storage bins could harbor vermin and snakes.
- The County top deck was observed. A significant amount of stockpiled soil was removed. The roadway in this area was not being watered and localized dust clouds were being generated. Surveying the elevation of the waste should be done.
- There was stockpiled wood being stored on the County top deck hear Basin D. This was from the current brush clearing for the new access road and the terminal buttress.
- Basin A was observed to be dry. Minimal sediment was in the basin. The west and north native vegetation around the basin had windblown litter in it.
- CC-4 Part 4A was inactive. Some of the stockpiled soil near the western area of CC-2A was being excavated.
- The County sage mitigation area slopes had native vegetation filling in bare dirt areas. Native vegetation is doing well in these select areas. The area with prior erosion rills has some native vegetation growing. No mitigation activity was being done.
- The Closure Turf was being maintained. There were no gas or liquids odors.
- Sage mitigation decks B and C were doing well and maintained with non-natives being
- There were numerous dead mature oak trees at the PM-10 berm.
- The PM-10 misters were operating.

Flare Operating Conditions:

- o Flare 1 1637°F, 2393 SCFM, 31% CH₄, 1.0% O₂, 100 PPM H₂S
- Flare 3 not operating
- Flare 9 1655°F, 2792 SCFM, 41% CH₄, 1.5% O₂, 76 PPM H₂S
- Flare 10 1647°F, 2845 SCFM
- Flare 11 1651°F, 2817 SCFM

The gas-to-energy plant was using 10,889 SCFM of recovered landfill gas, 41% CH₄, 1.5% O₂, 76 ppm

H₂S. Total gas volume recovered was 21,736 SCFM. **FURTHER REVIEW NEEDED**

COMMENTS

Signed:

SUNSHINE CANYON LANDFILL MITIGATION MONITORING SITE REPORT

Monitor: Mike Lindsay	Page: 1 of 2			
Discipline: Environmental Engineer	Date: 06-23-2021 Wednesd	ay		
Site Conditions: Partly Cloudy, 64–88 °F, WSW 1–9 mph, 64% RH, 33 AQI				

SITE LOG

- 1. No odors are present at the adjacent neighborhood at 7:40 am.
- 2. No odors are present at the Rancho Cascades neighborhood at 7:50 am.
- 3. Sierra Highway is clear of trash and debris.
- 4. Checked into office via phone with Chris Coyle (Republic Services).
- 5. Edgar De La Torre and Diana Gonzales (LACDRP), Jim Aidukas (UltraSystems) and Tarik Hadj-Hamou (SRK) followed me in separate vehicles to site locations.
- 6. The admin facility is in good order, with a water truck applying water to the parking lot to control dust.
- 7. The terminal basin south inlet area has been partially demolished for the final toe berm construction, with concrete and fencing removed from site.
- 8. Some liquids are present along the terminal basin inlet channel adjacent to the cut-off wall location.
- 9. The terminal basin outlet channel has tumbleweeds and debris present, to be cleared by October.
- 10. Street sweepers are cleaning the haul roads.
- 11. Observed excavated area along the oil field road for the final toe berm, with no seeps present.
- 12. A nine-inch diameter pipe is partially exposed where it crosses under the road just west of the Alder tank farm. Republic was notified via phone.
- 13. No odors or leaks are present at the Alder tank farm.
- 14. Observed the low-point drainage sump. No odors are present.
- 15. The scales are in good order, with some ponding water at exit ramps from the water truck refilling tank.
- 16. A water truck is applying water to the main haul road as it exits the scales area.
- 17. Sediment basin B is dry and in good order, with some wind-blown trash present on steep slopes at back of basin.
- 18. A localized gas odor is present at bowl area southwest of basin B at 9:50 am.
- 19. Cell CC-4 Part 3 working area is in good order; the ADC is 40% covered with new trash at 10:00 am. Three tippers are active, with moving-floor trucks dumping to the east-side of cell.
- 20. Traffic spotters are onsite to control traffic.
- 21. Workers are repairing a gas well at north-end of Cell CC-4 Part 3.
- 22. Workers are using a gas detection tool, looking for leaks along the piping and wells near Part 3.
- 23. A new gas collection well is being constructed east of Part 3, including a drilling rig.
- 24. The storage yard is in good order, with vehicles, used tires and a mattress being stored.
- 25. Sediment basin D is in good order, with riser drains clear of debris.
- 26. Sediment basin A is in good order. Wind-blown trash is present along back slopes.
- 27. Cell CC-4 Part 4A is not accepting waste this morning. The temporary membrane used for odor control has been removed, and some soil has been excavated from the northeast slopes.
- 28. Flare 3 is offline.
- 29. The closure turf at the City north slopes along the main haul road to the scales is in good order.
- 30. Flare 1 is operating at 2293 scfm, 1637 °F. Gas sample measured at 31 % Vol. CH4, 1.0 % Vol. O2, 100 ppm H2S and 212 ppm CO. Gas inlet temperature is 139 °F. No odors are present.
- 31. Water misters are operating along the PM-10 berm for odor and dust control.

Page: 2 of 2 06-23-2021

- 32. The County top deck is in good order, with soil being hauled out for cover material.
- 33. The County sage mitigation slopes are dormant in the summer heat.
- 34. Flare 9 is operating at 2792 scfm, 1655 °F. Gas sample measured at 41 % Vol. CH4, 1.5 % Vol. O2, 76 ppm H2S and 355 ppm CO. Blowers 1, 2, 3, 4, 5 and 6 are operating. Gas inlet temperature is 142 °F.
- 35. Flare 10 is operating at 2845 scfm, 1647 °F.
- 36. Flare 11 is operating at 2817 scfm, 1651 °F. Gas inlet temperature is 143 °F.
- 37. The Sunshine Gas Producers facility is operating at 10889 scfm.
- 38. No gas odors are present at outlet flange of blower 5 or 6.
- 39. The cube liquid container is still laying on the west slope of the flare pad.
- 40. Water trucks are applying water to site for dust control.
- 41. The westside drainage channel is clear and in good order.
- 42. The secondary access road perimeter gate is open.
- 43. Checked out of office with Chris Coyle via phone.

FURTHER REVIEW NEEDED

1. Remove cube liquid container on west slope of the flare 9 pad.

Signed: Michael W. Lindsay



SUNSHINE CANYON LANDFILL

MITIGATION MONITORING

SITE REPORT

Monitor: Tarik Hadj-Hamou, Ph.D., P.E.	PAGE 1 OF 6
Discipline: Civil – Geotechnical and Hydrology	Date: June 23, 2021

Site Conditions: Sunny and warm

SITE LOG

8:00

- Meet with UltraSystems team members Mike Lindsay and Jim Aidukas, to prepare tour of landfill, review of previous visits, review documents, discuss potential issues, organize areas and features to inspect.
- Sign-up at landfill by phone (Mike Lindsay)
- Meet with Edgar De La Torre and Diana Gonzalez of L.A. County)

8:30–1:30 Site inspection

- Tour of landfill
- Access Roads
- Cell 4 Phase 4
- Waste placement
- Drainage systems (Basins, channels)
- Erosion protection system
- Grading work for new access road/berm
- Landfill for geotechnical and hydrological issues
- Other observations

Access Roads Including Oil Road.

- Main access road: No stability concerns
- Waste depression on upslope along access road to old administration pad (Photo 1) no additional movement since last observed by the team in 2020

Cell 4 Phase 4

• The geomembrane placed on the south facing slope to control gas emission from the waste mass has been removed and removal of stockpiled fill has begun (Photo 2)

Waste Placement

- One waste face in operation on top of Cell CC4 Phase 2-3 with 4 Tilters set-up (Photo 3)
- Interim cover material was used (Photo 4)

Drainage System

- Terminal Basin
 - Water and sediment are present between the gabion wall and the decant tower (Photo 5)
 - Water was observed at the surface of the excavated upper portion of the concrete floor (Photo 6)
- Cell CC3 Earthen basin
 - Clean
- Racin R
 - Basin is clean insignificant of sediment on the floor
- Basin D
 - Basin is clean and available for water storage
 - Vegetation is growing in crack on spillway to the west drainage channel as noted previously



- Basin A
 - Basin is clean insignificant of sediments on the floor
- Perimeter channels and ditches
 - Vegetation is growing though cracks and joints along portions of the channels and ditches (Photo 7).

Erosion Protection Systems

No major issues (gullies, sloughing) observed

Moffm

- Jute mats, wattles, and mulch have been installed on the slopes
- Erosion/gullies observed at water tower near scale house bypassing the drop inlet observed in May has been fixed

Grading work for new access road/berm

- Large excavation for future access road No construction activities on day of visit
- Native slopes have been cleared and grubbed exposing some geological facies.
- No potential geotechnical issues (sloughing, cracks, out of plane sliding) were observed

FURTHER REVIEW NEEDED

N/A

COMMENTS

• N/A

Signed:





Photo 1: Waste slope above old administration pad



Photo 2: Excavation on south facing slope of cell CC4 Part 4





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



Photo 4: Interim Cover at Waste Face on Cell CC4 Part 3





Photo 5: Water between gabion walls and decant towers at terminal basin



Photo 6: Water bubbling up in excavated floor of terminal basin



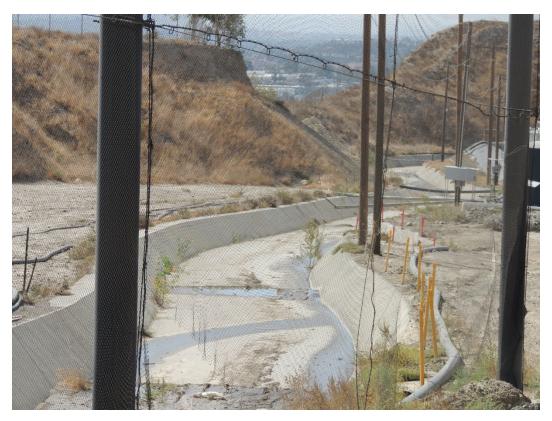


Photo 7: Bush growing between side and bottom slab