Sunshine Canyon Landfill
Independent Monitor
Quarterly Site Monitoring Status Report
July 1, 2020 – September 30, 2020

Prepared For:

City of Los Angeles Department of City Planning

And

County of Los Angeles Department of Regional Planning

Prepared By:

UltraSystems
environmental | management | planning

16431 Scientific Way
Irvine, California 92618

Prepared On:

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UltraSystems
environmental | management | planning

CERTIFICATION STATEMENT

January 6, 2021

The attached Quarterly Site Monitoring Status Report for the Sunshine Canyon Landfill dated January 6, 2021 is the Third Quarterly Report for 2020, issued by UltraSystems. This report covers the monitoring period from July 1, 2020 through September 30, 2020 and is prepared for the City of Los Angeles Department of City Planning and the County of Los Angeles Department of Regional Planning.

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

Signed,



James T. Aidukas

Project Manager

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

Telephone: 949.788.4900
Facsimile: 949.788.4901
Website: www.ultrasystems.com

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Sunshine Canyon Landfill City Mitigation Monitoring Summary
(see spreadsheet)

Sunshine Canyon Landfill County Mitigation Monitoring Summary
(see spreadsheet)

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 July 1, 2020 to September 30, 2020. It includes:

1. The City and County Mitigation Monitoring Summary spreadsheets for July 1, 2020 to September 30, 2020. These spreadsheets record the areas of monitoring completed and the status of being compliant during the third quarter of 2020;
2. A Status Summary of Non-Compliant, Further Review Needed and Compliant with the requirements of the conditions and/or mitigation measures;
3. Photo Location Map and Relevant Site Photos showing site conditions of key areas of the landfill during this quarter;
4. Site visit attendees by date of site visit and the mitigation monitoring site report from each monitor;
5. Site visits during the 3rd Quarter followed the Centers for Disease Control and Prevention (CDC) guidelines for COVID-19 health protocols and complied with state and County restrictions. The landfill visits occurred on one day each month during the July through September 2020 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 masks. 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 transcribed, which concluded the monitoring activity.

Site Visits During the Quarter

Three site visits were performed by UltraSystems during the July through September 2020 quarter in order to observe operational site activities and determine compliant status with conditions and/or mitigation measures. They were performed on July 22, 2020; August 18, 2020; and September 17, 2020. Remote site monitoring conference calls were held in lieu of normal site monitoring visit meetings in order to follow the CDC guidelines for COVID-19 health protocols.

Definition of Terms

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

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

Further Review Needed is defined as implementing plans (agency-approved, if required) to fully comply with a condition and/or mitigation measure. Some plans, especially vegetation, require an extended time frame, and immediate compliance is not possible.

Resolved is defined as action taken or activities completed to fully comply with conditions and/or mitigation measures.

Status Summary

This section summarizes the conditions and/or mitigation measures that were monitored during the quarterly reporting period and their respective statuses. The Sunshine Canyon Landfill Mitigation Monitoring Summary spreadsheets for the City and County show the conditions and/or mitigation measures monitored during the quarter. Also included in this report are relevant photos in Appendix II.

Compliant

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

Non-Compliant

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

Further Review Needed

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

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

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

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

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

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

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

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

Current Status/Comment – There was no grading outside of the approved landfill development limits during the 3rd Quarter. Cell CC-4 Part 3 was the only area accepting waste during the 3rd Quarter. Cell CC-4 Part 1/2 was at the finished elevation for this phase. CC-4 Part 4A started construction in June and construction was completed in September, with waste being accepted on September 17, 2020. This construction included the relocation of the truck scales, administration buildings and employee locker room to the City North top deck. The shop and LEA building will be moved in 2021.

Q-C.3.h (City)

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

Current Status/Comments – In the 3rd Quarter, localized dust clouds occurred on the County top deck when waste hauling transfer and soil importation trucks used the dirt roads. Packer trucks using the top decks' roads from the scales to the active area also generated localized dust clouds. Climatic conditions were an important factor on dust generation. The use of more water trucks employed on a demand basis should be considered. The dust was not observed leaving the site.

Q-C.5 (City)
Graffiti removal and deterrence on building and structures in public view.

Current Status/Comments – In the 3rd Quarter, there was no graffiti observed at the landfill site.

Q-C.10.c (City)
The operator shall submit, as part of its annual report, an evaluation of the feasibility of beneficial uses of the landfill gas collected at the site such as landfill-gas-to-energy.

Odor/Landfill Gas - 7.07 (County)
The permittee will recover and sell as much gas as is technically and economically feasible to reduce total air quality emissions from the landfill operations. It is expected that the technical and economic feasibility of commercial recovery and sale of landfill gas as a renewable energy resource will occur at levels below 40 MMCFD. The gas collection system will be installed in increments to allow for maximum gas recovery.

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

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

Current Status/Comments – At the end of July, the gas-to-energy plant was using 9016 SCFM of recovered landfill gas. Flare 1: 2700 SCFM of recovered landfill gas, 31% CH4, 1.8% O2, 100 ppm H2S; Flare 3: was not operating; Flare 9: 2947 SCFM; Flare 10: 2855 SCFM; Flare 11: 2886. The quality of the gas recovered was 42% CH4, 1.6% O2 and 88 ppm H2S. The total volume of landfill gas being recovered was 20,404 SCFM.

In mid-August, the gas-to-energy plant was using 9015 SCFM of recovered landfill gas, 41% CH4, 1.6% O2, 79 ppm H2S. Flare 1: 2760 SCFM, 32% CH4, 1.6% O2, 100 ppm H2S; Flare 3: was not operating; Flare 9: 3222 SCFM; Flare 10: 3221 SCFM; Flare 11: 3069 SCFM. The total volume of landfill gas being recovered was 21,287 SCFM.

In mid-September, the gas-to-energy plant was using 9285 SCFFM of recovered landfill gas, 41% CH4, 1.7% O2, 76 ppm H2S. Flare 1: was not observed; Flare 3: was not observed; Flare 9: 2926 SCFM; Flare 10: 2928 SCFM; Flare 11: 2894 SCFM. The total volume of landfill gas being recovered was 18,033 SCFM not including any gas flared at Flares 1 and 3.

The quantity of landfill gas being recovered during the 3rd Quarter has a daily average of 20,846 SCFM when using July and August volumes, with the gas-to-energy plant usage averaging 9016 SCFM. An expansion of the gas-to-energy plant or a different beneficial use facility should be pursued.

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

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

Current Status/Comments – An updated fire plan showing the new locations of all facilities, and normal and emergency ingress and egress should be prepared and sent to the local City fire department station and the City and County planning when construction of the new operation's facilities currently under construction have been completed. Emergency egress should be posted for employees and customers. It is recommended that the local City fire department station personnel should visit the site and be given the latest facility plot plan showing access roads and facilities. Key management personnel contacts should be provided to the City Fire Department.

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

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

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

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

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

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

Current Status/Comments – There was no grading outside of the approved landfill development limits during the 3rd Quarter. Cell CC-4 Part 3 was the only area accepting waste during the 3rd Quarter. Cell CC-4 Part 1/2 was at the finished elevation for this phase. CC-4 Part 4A construction was completed in September. This construction included the relocation of the truck scales, administration buildings and employee locker room to the City North top deck. This top deck was graded for the facilities and parking. It is within the approved footprint. The shop and LEA building will be moved in 2021.

M-4.1.4(11) (City)
An operations checklist shall be used by a registered engineering geologist for surveys following all earthquake events measuring 5.0 on the Richter Scale or greater near the project site. A comparison of operating parameters and site conditions before and after major earthquake events shall be made to verify that systems are operational as designed. Final designs for major engineered structures shall be based on the results of the detailed stability analyses of potential seismic events.

Geology-1.16 (County)
An operations checklist will be used by a certified engineering geologist, registered civil engineer, or licensed surveyor for surveys following all earthquake events of 5.0 magnitude or greater.

Current Status/Comments – There were no earthquakes of 5.0 magnitude or greater in the area during the 3rd Quarter.

M-4.1.1(6) (City)
Revegetation and erosion control procedures on all exposed slopes shall be implemented. The erosion controls to be implemented at the site shall include soil stabilization measures and revegetation in accordance with the approved revegetation plan as approved by the City Building and Safety Department. Interceptor ditches shall be designed to divert storm runoff to a sedimentation basin.

M-4.2.11(23) (City)
Disturbed areas shall be revegetated with an interim ground cover as specified in the proposed revegetation program. Excavation will proceed in a manner to reduce the amount of graded areas at any given time.

M-4.2.12 (28) (City)
Site Erosion
c. A temporary vegetation cover shall be established on all slopes that are to remain inactive for a period longer than 180 days.
d. An SCAQMD approved soil stabilization (sealant) product shall be used to retard soil erosion and enhance revegetation. Soil sealant shall be applied when necessary to selected working areas of the landfill. The sealant will also be used as a binder or tackifier to hold seen during revegetation mulch, and fertilizers in-place until grasses become establish and stabilize on the landfill surface.

Geology-1.13 (County)
Revegetation and erosion control of all exposed slopes will be an ongoing process. The erosion controls to be implemented at the site will include soil stabilization measures and revegetation in accordance with the approved Revegetation Program. The installation of interceptor ditches shall be designed for the diversion of storm runoff to sedimentation basins. Sediment traps will be used at points of runoff concentration along the perimeter of exposed slopes surfaces.
Condition: Approval of drainage plan. Retention of a consulting horticulturalist/Registered Professional Forester and an independent qualified biologist by the permittee for ongoing supervision of revegetation programs. Review and monitoring of planting programs by County Forester.

Geology-1.14 (County)
To prevent soil erosion on the face of the landfill, interim vegetation measures will be taken after placement of the temporary soil layer (even though the area may be disturbed by future filling operations). Vegetative cover will be placed as in the approved Revegetation Program.
Condition: Retention of a consulting horticulturalist/Registered Professional Forester and an independent qualified biologist by the permittee for ongoing supervision of revegetation programs. Review and monitoring of planting programs by County Forester.

Biota – 4.42 (County)
Areas inactive for 180 days or longer will be planted with interim vegetation as approved by County biologist. Records will be kept to track fill areas of the site which are transferred to an inactive status so that appropriate dust control and revegetation measures can be implemented.

Air Quality - 6.02 (County)
Dust Control will also be accomplished through the temporary revegetation of the landfill surface. A temporary revegetation of the landfill surface, and a temporary vegetation cover will be established on all slopes that are to remain inactive for a period longer than 180 days. Specifications of

temporary revegetation measures will be provided in the Revegetation Plan submitted to the County biologist for approval, the Closure and Postclosure Maintenance Plans, the Condition Use Permit, and Conditions of Project Approval.

Visual-10.08 (County)

Cover/Revegetation Requirements
The permittee shall comply with the following cover and re-vegetation requirements at the Landfill:
(1). The permittee shall apply a temporary hydroseed vegetation cover on any slope or other Landfill area that is projected to be inactive for a period greater than 180 days, as set forth in the IMP. The permittee shall promptly notify the County LEA and the Department of Public Works of any such slope or area;
Revegetation Requirements
(5) Notwithstanding the foregoing, the permittee shall not be bound by the previous provisions of this Condition No. 44, but instead by the requirements of the County LEA, so long as the Limits of Fill are not exceeded, if in consultation with the Department of Public Works, the County LEA determines that a different re-vegetation design or plan:
(1) would better protect public health and safety;
(2) would enable revegetation of the final slopes at least as well as shown in Exhibit "B" described in subsection D, above; and/or experts, including an independent, qualified bio (3) would be required because the minimum standards adopted by the CIWMB have been amended;
(6) the permittee shall employ an expert or biologist, to satisfy this Condition No. 44. Soil sampling and laboratory analysis shall be conducted in all areas that are required to be re-vegetated before any re-vegetation occurs to identify chemical or physical soil properties that may adversely affect plant growth or establishment. Soil amendments and fertilizer recommendations shall be applied and plant materials selected, based on the above referenced testing procedures and results. To the extent possible, plant types shall blend with species indigenous to the area, be drought tolerant, and be capable of rapid growth. The selected plants shall not include nonindigenous species that are likely to be invasive of adjacent natural areas.

Biota - Revegetation - 44.A (County)

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

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

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

Current Status/Comments – During the 3rd Quarter, Closure Turf was being maintained, and gas and liquids recovery systems under the turf were performing well. This cover material was in lieu of vegetation on the south-facing slopes and controlled and eliminated dust and erosion. Other areas of the landfill that were previously hydroseeded had germinated and were growing. The soil

stockpiled on the County top deck adjacent to Cell CC4 Part 3 was being used for daily cover. The size of the stockpile has been substantially reduced.

M-4.1.1 (7) (City)

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

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

M-4.1.6 / 18 (City)

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

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

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

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

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

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

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

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

a. Sample Probe Installation: One monitoring probe per 1,000 feet or as identified by South Coast Air Quality Management District (SCAQMD) and/or Local Enforcement Agency (LEA) in the landfill expansion, and one probe per 650 feet or as identified by SCAQMD and/or LEA in the City Inactive landfill along the landfill perimeter, or whichever is more restrictive shall be installed to identify potential areas of subsurface landfill gas (LFG) migration. These probes shall be monitored to ensure that quantities of LFG beyond regulatory standards do not vent offsite through subsurface soils.

b. Integrated Landfill Surface Sampling: The landfill surface shall be monitored to ensure that the average concentration of total organic compounds over the landfill surface does not exceed SCAQMD's standard of 25 ppm.
c. Ambient Air Samples: 24-hour integrated gas samples and required meteorological data shall be taken to assess any impact the landfill is having on the ambient air quality at the landfill perimeter.
d. Instantaneous Landfill Surface Monitoring: Spot checks on the landfill surface shall be made to determine the maximum concentration of total organic compounds measured as methane, measured at any one point on the surface of the landfill does not exceed the SCAQMD's standard of 500 ppm.
e. Regular Monitoring and Annual Testing: LFG concentrations at perimeter probes, gas collection system headers, the landfill surface, and in ambient air downwind of the landfill shall be monitored once per month or less frequently (but no less than quarterly) as required by the SCAQMD. The LFG collection system shall be adjusted and improved based on quarterly monitoring data and annual stack testing results.

Odor/Landfill Gas - 7.06 (County)
If an odor problem should develop, appropriate control measures shall be implemented. These measures include the application of daily cover material or more frequent applicant of the cover material to seal the landfill surface, or adjustments to the wells, equipment, and operation of the LFG collection and recover system.

Amendment 45.N - 4.a, 4.c, 4.d (County)
Identify and provide status on the measures currently being implemented as required by the AQMD's Order for Abatement.
An odor patrol program, which would include the following at a minimum:
• Provide a trained technician to conduct odor patrols in the surrounding neighborhoods at a frequency of one patrol per hour from 6 a.m. to 10 a.m., Monday through Saturday, and during adverse wind conditions.
• If odor is detected, identify its potential and/or actual source, including those that may not be related to the Landfill's operation, such as an odorous trash dumpster or transfer trucks.
• If odor is determined to be related to the Landfill's operation, take immediate action to reduce the odor. Document the streets patrolled on a map, time of the patrol, potential source of odor, and immediate actions taken by the Landfill.
• A landfill gas mitigation plan in preparation for the next rainy season since landfill gas emissions from either the landfill surface or landfill gas control equipment is cited as a potential contributor in the AQMD's Order for Abatement. The plan should include the following at a minimum:
• Description of the site's current Gas Monitoring and Control Plan, including a map showing locations of gas monitoring probes, gas extraction wells, horizontal and vertical gas collection lines, etc.
• Compliance history of the site's landfill gas migration control program from January 1, 2009, to the present quarter as well as any corrective actions.
• Discuss the impacts of the most recent heavy rains on the landfill gas collection system, including identifying locations of damage due to soil erosion, as well as any corrective actions or mitigation measures.
• A work plan that includes preventive measures, such as identifying and filling any surface cracks and installing additional extraction wells, as well as contingency measures.
• An implementation schedule for the above work plan.

Amendment 45.N - 5 (County)
Include in the Quarterly Dust and Odor Reports, which are required by CUP Condition No. 45.N, the status and effectiveness of mitigation measures 1 through 3 above, and the Odor Mitigation Plan.

Current Status/Comments – Compliance with these mitigation measures, concerning landfill gas monitoring and odor control and detection, is being monitored by a multi-agency team led by the SCAQMD, with their monitoring results noted in their reports. 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 UltraSystems' monitoring visits are reported.

In late July, the monitor drove the Granada Hills neighborhood area from 7:00 to 7:45 a.m., and there were no landfill odors detected. A strong localized odor was detected by the gas recovery well CTC-625. A localized odor was detected at the discharge flange of the western blower for Flares 9, 10, and 11.

In mid-August, the monitor drove the Granada Hills neighborhood areas from 7:30 to 7:45 a.m., and there were no landfill odors detected. A localized intermittent landfill gas odor was detected around gas recovery well CTC-625. A mister was operating at Basin A to control any Cell CC-4 Part 3 working face odors. Water misters were operating at the Old City South landfill berm.

In mid-September, the monitor drove the Granada Hills neighborhood from 7:30 to 8:00 a.m. and there were no landfill odors detected. A slight localized odor was detected at the base of the slope of CC-3A where it meets CC-4 Part 4A. A strong localized gas odor was detected east of Basin B. A localized gas odor was detected at the discharge flange of the western blower for Flares 9, 10, and 11. Dust Boss misters were being used at the CC-4 Part 3 working face to control localized odors.

During the 3rd Quarter, the use of Closure Turf to seal fill areas and function as intermediate cover provided enhanced gas recovery and gas-related odor control. There were no gas or liquids odors detected coming from the Closure Turf areas. Landfill liquids were being removed as needed.

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

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

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

Surface Water - 2.12 (County)

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

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

Surface drainage systems were in place to intercept or divert rainwater away from prior landfill cells and current filling operations. Most of these were temporary systems in active areas, and most conveyance V-ditches were unlined. Straw wattles were placed on the CC-4 Part 1/2 western and southern-facing slopes. Other areas had jute netting or were hydroseeded. The hydroseeded areas had grown vegetation.

Early in the 3rd Quarter, Basin A and the Terminal Basin had standing water. By the mid-3rd Quarter, all basins were dry and the temporary basin in the Cell CC-4 Part 3 area was removed for Cell CC-4 Part 4A construction. At the end of the 3rd Quarter, all basins had sediment removed, drainage rock around the outlet risers cleaned, and the basins were ready for rain events. Windblown litter was observed during the entire 3rd Quarter in the native vegetation west and south of Basin A.

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

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

Current Status/Comments – A map showing areas that are at the final elevations and which should have final cover should be available for review. Documents showing current filled elevations should also be available onsite for review. These conditions were not monitored.

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

M-4.3.1(45) (City)
An erosion control plan would be implemented by the project proponent to prevent stormwater pollution from construction activity. Construction materials, equipment and vehicles would be stored

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

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

Current Status/Comments – In the 3rd Quarter, surface drainage systems were in place to intercept or divert rainwater away from prior landfill cells and current filling operations. Most of these were temporary systems in active areas, and most conveyance V-ditches were unlined. Straw wattles were placed on the CC-4 Part 1/2 western and southern-facing slopes. Other areas had jute netting or were hydroseeded. Erosion protection systems were in place.

M-4.3.1(41) (City)
The surface water collection system shall be designed to collect runoff and collect/retain suspended solids. Water leaving the sedimentation basins shall be monitored in accordance with NPDES requirements.

M-4.3.1(43) (City)
Sediment shall be cleaned out of the sedimentation basins after every significant storm.

Surface Water 2.10 (County)
The surface water collection system shall be designed to collect runoff and collect/retain suspended solids. Water leaving the sedimentation bans shall be monitored in accordance with NPDES requirements. Sediment shall be cleaned out of the sedimentation basins after every significant storm.

Current Status/Comments – Early in the 3rd Quarter, Basin A and the Terminal Basin had standing water. By mid-3rd Quarter, all basins were dry and the temporary basin in the Cell CC-4 Part 3 area was removed for Cell CC-4 Part 4A construction. At the end of the 3rd Quarter, all basins had sediment removed, drainage rock around the outlet risers cleaned, and the basins were ready for rain events. Windblown litter was observed during the entire 3rd Quarter in the native vegetation west and south of Basin A.

M-4.3.1(46) (City)
A preventive maintenance program would be implemented by the project proponent, including inspection of facility equipment, systems, and stormwater management devices to detect conditions that may cause breakdowns or failures resulting in discharge of materials into stormwater. This program applies to the onsite drainage ditches; rip-rap; berms and dikes; dust control; silt fences; diversion grading; and pavement surfaces. Each system and piece of stationary equipment would be inspected monthly. Procedures for inspection would vary, due to the piece of equipment or system. However, the major elements of the inspection program would include checking for cracks or

structural failures, inspecting parts or pieces of equipment nonfunctioning, checking for the degradation or deterioration of operating units, and investigating the need for cleaning or emptying units. A summary report of these monitoring results and the corrective actions taken will be disseminated in each newsletter with a more detailed report on the website and in the annual report.

Surface Water 2.15 (County)

Surface Water Preventive Maintenance Program

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

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

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

In the 3rd Quarter, it was observed that vegetation was growing out of numerous cracks in the water retention basins and drainage conveyance channels' concrete. The terminal basin had vegetation growing out of cracks in the interior and exterior concrete side walls and top access walkway. Basins B and D concrete outlets had vegetation growing in cracks. The eastside drainage channel had vegetation growing in and adjacent to the concrete channel. Areas of the channels and basins need repair of the concrete and sealing of cracks when vegetation is removed.

M-4.3.2(50) (City)

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

Current Status/Comments – The old City north top deck has a tank farm of 16 Alder storage tanks for processing recovered leachate and condensate, with a double-walled pipeline to the sewer connection at the entrance near San Fernando Road. During the 3rd Quarter, this system operated with no odors detected at the tank farm or the sewer connection. Tank farm liquids were being treated with a 30% hydrogen peroxide solution.

M-4.4.1(60) (City)

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

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

Current Status/Comments – During the 3rd Quarter, sage mitigation areas Decks B and C were being maintained by the removal of non-native vegetation. Native vegetation was recovering from the Saddleridge Fire. The fire's impact to the PM-10 oak trees was being evaluated. There was no activity on the County sage mitigation areas.

M-4.4.3/72 (City)
Native tree species shall be replaced at a 2:1 (replacement: removal) ratio, consisting of 15-gallon or 5:1 3-gallong container trees. Mitigation trees shall be planted prior to impacted trees being removed, thus allowing tress to grow to specimen size in the field. A specimen-size tree shall be defined as a 15-gallon tree with a minimum trunk caliper of 1-inch measured 1-foot above ground. All mitigation trees shall be specimen size within 1 year after tree removal.

Biota - 4.10 (County)
The permittee shall comply with all terms and Conditions of Oak Tree Permit No. 86-312-(5). The permittee is authorized to remove oak trees within the project areas as necessary to conduct landfill operations authorized by this grant and subject to the requirements of Part VII of the Implementation and Monitoring Program attached to Oak Tree Permit 86-312-(5). Prior to approving any excavation of more than five acres containing significant stands of oak and/or Douglas fir trees, the Director of Public Works shall confer with the Los Angeles County Forester and Fire Warden.

Current Status/Comments – During the 3rd Quarter, the fire's impact to the PM-10 oak trees and mitigation oak and big cone fir trees were being evaluated by Republic's biological consultant. The report of the condition of the trees was not obtained. A plan and schedule to mitigate the impacts should be developed.

M-4.4.2/69 (City)
Potential candidate mitigation sites have been identified by the project proponent in conjunction with resource agencies for consideration to compensate for impacts on riparian and wetland resources as a result of project development. These sites include Bull Creek, Bee Canyon and East Canyon, which are located proximate to the project site. Prior to the development of any detailed mitigation plans and drawings, the final selection will be determined cooperatively by the CDFW, Corps, SWRCB, and other regulatory agencies in conjunction with the City and project proponent.

Current Status/Comments – The City was proceeding with writing and adopting an ordinance to allow the wetlands and riparian mitigation to be created in the Chatsworth Reservoir. All environmental analysis has been completed. Republic stated that there has been no progress in finalizing and adopting the ordinance. Since the COVID-19 pandemic, progress has been suspended.

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 for 2020 have not been received. No progress has been made in 2020 thus far.

M-4.9.3(110) (City)
Landfill employees shall watch for any illegal dumping activities on or around the project site. The landfill litter control crew shall provide cleanup servicer for areas within one mile of the project site. The phone number where this service will be requested will be provided in the quarterly newsletter and on the website.

Current Status/Comments – During the 3rd Quarter site visits, Sierra Highway and the adjacent neighborhood were cleared of any illegally dumped waste and any litter.

M-4.9.4(125) (City)
The landfill operator shall maintain perimeter fencing in and around the site in accordance with CCR, Title 14, § 17658 to discourage illegal entry to the landfill. Where existing topography conditions create an effective barrier, no perimeter fencing shall be installed. Entrance and access gates shall remain locked when the landfill facility is not in operation. All existing perimeter fencing shall be inspected on a routine basis by the landfill operator, and necessary repairs shall be made to ensure a continued deterrent for unauthorized entry to the project site. Additionally, the landfill operator shall maintain posted "no trespassing" signage at the exterior perimeter fencing nearest the project site entrance.

Current Status/Comments – Throughout the 3rd Quarter of 2020, the south oil field gate and north perimeter gate were observed to be closed and locked.

M-4.19.2(191) (City)
Prior to the commencement of initial earth excavation, specific sections of the City/County Landfill Project area shall be resurveyed as a precautionary measure to minimize potential loss of undiscovered paleontological resources. Specific sections of the project area to be resurveyed shall be as determined by the intended cut-and-fill areas proposed for landfill development. As new areas for excavation are identified by the project proponent, an evaluation of those areas shall be made based on the prior survey results and consultation with appropriate technical specialists.

Ecological Significance 62 (County)
The Permittee shall develop and implement a program to identify and conserve all significant archaeological and paleontological materials found onsite pursuant to Part VII of the IMP. If the Permittee finds any evidence of aboriginal habitation or fossils during earthmoving activities, Landfill operations shall immediately cease in that immediate area, and the evidence and area shall be preserved until a qualified archaeologist or paleontologist, as appropriate, makes a determination as to the significance of the evidence. If the determination indicates that the archaeological or paleontological resources are significant, the resources shall be recovered to the extent practicable prior to resuming Landfill operations in that immediate area of the Landfill.

Current Status/Comments – During the 3rd Quarter, there was no grading in native undisturbed areas that required paleontological monitoring.

Republic's Site Procedures for COVID-19

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

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

In the 3rd Quarter of 2020, 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. Due to COVID-19 restrictions, a current review of these documents has been postponed. The monitors verified the following to be available to the monitors and agencies' staff.

a) Current Fill Sequence Plan.

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

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

   These plans are electronically available onsite.

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

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

d) The current erosion control plans.

   Current erosion control plans were available electronically.

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

Site drainage plans were available electronically.

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

The plan was available electronically.

g) Comprehensive geotechnical reports.

The reports were available electronically.

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

Printed copies were available.

Part II – Logs and Records

Previously requested logs, records, safety and procedural documents to be made available onsite were reviewed in printed and electronic formats in the 4th Quarter of 2019. These will be reviewed again in the 4th Quarter of 2020. The monitors verified the following to be available to the monitors and agencies' staff.

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

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

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

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

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

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

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

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

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

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

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

Conclusions

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

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

The 2020 3rd Quarter Mitigation Monitoring Summary spreadsheets track the progress and completion of tasks as they were accomplished during this quarterly period.

Sunshine Canyon Landfill City Mitigation Monitoring Summary
(07-01-2020 through 09-30-2020)

	Reference #	Mitigation #	City Mitigation Measures and Conditions Monitored by Discipline	Monitoring Frequency	Second Quarter 2020												Third Quarter 2020											
					4/28/2020	Status*	Further Review Needed/Comments**	Resolved*	5/26/2020	Status*	Further Review Needed/Comments**	Resolved*	6/23/2020	Status*	Further Review Needed/Comments**	Resolved*	7/22/2020	Status*	Further Review Needed/Comments**	Resolved*	8/18/2020	Status*	Further Review Needed/Comments**	Resolved*	9/17/2020	Status*	Further Review Needed/Comments**	Resolved*
1	**Project Manager**																											
2																												
3																												
4	Q - A.3.		Definitions	info	/				/				/				/				/				/			
5	Q - A.6.		Submit Annual Reports	June yearly	/				/				/				/				/				/			
6	Q - A.10.		Provision of Fees	yearly	/				/				/				/				/				/			
7	Q - B.1.		Permitted/Prohibited Landfill Uses	yearly	/				/				/				/				/				/			
8	Q - B.2		Approval of Landfill	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
9	Q - B.2.c.		Ancillary Uses and Facilities	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
10			Ancillary Uses and Facilities																									
11	Q - B.2.d (3)		10 Year Phase Review	2015	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
12			10 Year Phase Review																									
13	Q - B.4.d.		Inert/Exempt Materials	info	/				/				/				/				/				/			
14	Q - B.5.a.		Prohibited Waste	info	/				/				/				/				/				/			
15	Q - B.6.		Waste Diversion	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
16	Q - C.3.g.		Paved Access Roads	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
17	Q - C.3.h.		Surfacing of Access Roads	ongoing	✓	C	NONE		✓	C	NONE		✓	C	I-1		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i	
18	Q - C.5.		Graffiti Removal and Deterrence	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
19	Q - C.10.c.		Evaluation of Beneficial Gas Usage	June yearly	✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i	
20	Q - C.10.d. (1)		Alternative Fuel Vehicles	status																								
21	Q - C.10.d. (2)		Alternative Fuel Refuse Collection Trucks	status																								

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

Sunshine Canyon Landfill City Mitigation Monitoring Summary
(07-01-2020 through 09-30-2020)

	Reference #	Mitigation #	City Mitigation Measures and Conditions Monitored by Discipline	Monitoring Frequency	Second Quarter 2020												Third Quarter 2020											
					4/28/2020	Status*	Further Review Needed/Comments**	Resolved*	5/26/2020	Status*	Further Review Needed/Comments**	Resolved*	6/23/2020	Status*	Further Review Needed/Comments**	Resolved*	7/22/2020	Status*	Further Review Needed/Comments**	Resolved*	8/18/2020	Status*	Further Review Needed/Comments**	Resolved*	9/17/2020	Status*	Further Review Needed/Comments**	Resolved*
22	Q - C.12.a.		Technical Advisory Committee	info	/				/				/				/				/				/			
23	Q - C.12.c.		Contract for Mitigation Monitoring	info	/				/				/				/				/				/			
24	Q - C.12.c.		Contract for Mitigation Monitoring-5 years	info	/				/				/				/				/				/			
25																												
26	T - 4		Fire Plan	status	✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i	
27	T - 5.j.		Trip Diversion	status	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
28	T - 6		Satisfactory Street Lighting	status	/				/				/				/				/				/			
29																												
30	M - 4.1.1	7	Reabandonment Procedures	status	✓	C	I-d		✓	C	I-e		✓	C	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i	
31	M - 4.1.4	11	Post-5.0 Earthquake Analysis	upon event	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
32	M - 4.2.12	27	Heavy Equipment Operations	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
33	M - 4.2.12		Heavy Equipment Operations	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
34	M - 4.2.12	28	Site Erosion-Cover	ongoing	✓	C	I-d		✓	C	I-e		✓	C	I-f		✓	C	I-g		✓	C	I-h		✓	C	I-i	
35	M - 4.2.12		Site Erosion-Cell Height	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
36	M - 4.2.12		Site Erosion-Sealant	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
37	M - 4.2.13	29	LFG Control Measures	ongoing	/		I-d		/		I-e		/		I-f		/	C	I-g		/	C	I-h		/	C	I-i	
38	M - 4.2.13	30	Operational Odor Control Techniques	ongoing	/		I-d		/		I-e		/		I-f		/	C	I-g		/	C	I-h		/	C	I-i	
39	M - 4.2.13	31	Solid Waste Compaction	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
40	M - 4.2.13	32	LFG Collection and Recovery System	ongoing	/		I-d		/		I-e		/		I-f		/	C	I-g		/	C	I-h		/	C	I-i	
41	M - 4.2.13	33	Odor Control Measures	ongoing	✓	C	I-d		✓	C	I-e		✓	C	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i	

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42	M - 4.2.13	34	Odor/LFG Monitoring	ongoing	/		I-d		/		I-e		/		I-f		/	C	I-g		/	C	I-h		/	C	I-i	
43			Periodic LFG Monitoring		/		I-d		/		I-e		/		I-f		/	C	I-g		/	C	I-h		/	C	I-i	
44	M - 4.3.2	52	LFG Migration Mitigation	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
45	M - 4.3.2	57	Dust Control Water	ongoing	✓	C	I-d		✓	C	I-e		✓	C	I-f		✓	C	I-g		✓	C	I-h		✓	C	I-i	
46	M - 4.4.2	69	Offsite Mitigation Sites	status	✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i	
47	M - 4.4.2	70	Purchasing Wetland Credit	status	/				/				/				/				/				/			
48	M - 4.4.2	71	Funding-Invasive Species Eradication Program	status	/				/				/				/				/				/			
49	M - 4.6	85	Site Lighting	status	✓	C	I-d		✓	C	I-e		✓	C	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i	
50	M - 4.7.1	86	Open Space Buffer Area	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
51	M - 4.9.3	106	Litter Minimization	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
52	M - 4.9.3	107	Litter/Debris Containment	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	I-g		✓	C	I-h		✓	C	I-i	
53	M - 4.9.3	108	Vehicle Tarping Requirements	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
54	M - 4.9.3	109	Periodic Offsite Litter Pickup	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
55	M - 4.9.3	110	Illegal Dumping Activities	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
56	M - 4.9.3	111	Radio Dispatch Litter Control	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
57	M - 4.9.3	112	Litter Control	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
58	M - 4.9.5	127	Address Concerns of Citizens' Advisory Committee	ongoing	/				/				/				/				/				/			
59	M - 4.9.6	128	Landfill Gas/Collection System-Unsafe Methane Levels Monitoring	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
60	M - 4.9.6	129	Landfill Gas/Collection System-Detection/Training	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
61	M - 4.9.6	130	Landfill Gas/Collection System-Risk Mitigation	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	

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62	M - 4.16.4	176	Reclaimed Water	status	/				/				/				/				/				/			
63	M - 4.16.4	177	Water Conservation	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
64																												
65	**Civil & Geotechnical Engineer**																											
66																												
67																												
68	M - 4.1.1	2	Grading Outside of Conceptual Grading Plan Area	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
69	M - 4.1.1	3	Unsuitable Material Removal/Buffer Zones	ongoing																								
70	M - 4.1.1	4	Grading Outside of Landfill Footprint	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
71	M - 4.1.1	5	Grading Activity Compliance	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
72	M - 4.1.2	8	Landslide Guidelines	ongoing																								
73	M - 4.1.2	9	Soil Stabilization	ongoing																								
74	M - 4.1.4	10	Landfill Design	ongoing																								
75	M - 4.1.4	11	Earthquake Operations Checklist	upon event	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
76	M - 4.1.5	12	Geologic Hazards - Liquefaction	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
77	M - 4.1.5	13	Design/Construction-Liquefaction	ongoing																								
78	M - 4.1.5	14	Design/Construction-Containment Structures	ongoing																								
79	M - 4.1.6	15	Refuse Slope Gradients	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
80	M - 4.1.6	16	Cut and Fill Slope Gradients	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
81	M - 4.1.6	17	Final Slope Factors of Safety	ongoing																								
82	M - 4.1.6	18	Survey Monuments	ongoing	✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i	
83	M - 4.3.2	47	Landfill Liner	ongoing																								

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84	M - 4.3.2	48	Landfill Liner	ongoing																								
85	M - 4.3.2	54	Preliminary Closure/Postclosure Plan	status																								
86	M - 4.3.2	55	Landfill Design/Operation/Final Closure Monitoring	status																								
87	M - 4.3.2	56	Cover Application	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
88	M - 4.14.1	155	Access Roadway Grade	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
89	M - 4.18	178	Landfill Elevation Exceedance	ongoing	✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i	
90																												
91	**Hydrologist**																											
92																												
93																												
94	M - 4.1.4	11	Earthquake Operations Checklist	upon event	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
95	M - 4.3.1	36	Surface Water Infiltration Minimization	ongoing																								
96	M - 4.3.1	37	Surface Drainage Systems	ongoing	✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f		✓	C	I-g		✓	C	I-h		✓	C	I-i	
97	M - 4.3.1	38	Permanent/Temporary Ditches	ongoing	✓	C	I-d		✓	C	I-e		✓	FRN	I-f		✓	C	I-g		✓	C	I-h		✓	C	I-i	
98	M - 4.3.1	39	Drainage Protection	ongoing	✓	C	I-d		✓	C	I-e		✓	FRN	I-f		✓	C	I-g		✓	C	I-h		✓	C	I-i	
99	M - 4.3.1	40	SWRCB Permit Coverage	ongoing	✓	C	I-d		✓	C	I-e		✓	C	I-f		✓	C	I-g		✓	C	I-h		✓	C	I-i	
100	M - 4.3.1	41	Surface Water Collection System	ongoing																								
101	M - 4.3.1	42	Surface Water Quality Monitoring	ongoing																								
102	M - 4.3.1	43	Sediment Basin Maintenance	ongoing	✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i	
103	M - 4.3.1	44	Final Landfill Cover	ongoing																								
104	M - 4.3.1	45	Erosion Control Plan	ongoing	✓	C	I-d		✓	C	I-e		✓	C	I-f		✓	C	I-g		✓	C	I-h		✓	C	I-i	
105	M - 4.3.1	46	Preventive Maintenance Program	ongoing	✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i	

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

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

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

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

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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	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
202	M - 4.19.2	190	Paleontological Resources Recovery	ongoing																								
203	M - 4.19.2	191	Paleontological Resources Inspection	ongoing	✓	C	I-d		✓	C	I-e		✓	C	I-f		✓	C	I-g		✓	C	I-h		✓	C	I-i	

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1	**Project Manager**																											
2																												
3																												
4	Amendment 45.N - 1	45N	Daily Cover Materials	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
5	Amendment 45.N - 3	45N	Daily Cover Procedure	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
6	Amendment 45.N - 4.a	45N	Order for Abatement Status	ongoing	/		I-d		/		I-e		/		I-f		/		I-g		/		I-h		/		I-i	
7	Amendment 45.N - 4.c	45N	Odor Patrol Program	ongoing	/		I-d		/		I-e		/		I-f		/		I-g		/		I-h		/		I-i	
8	Amendment 45.N - 4.d	45N	Landfill Gas Mitigation Plan	ongoing	/		I-d		/		I-e		/		I-f		/		I-g		/		I-h		/		I-i	
9	Amendment 45.N - 5	45N	Dust and Odor Reports	ongoing	/		I-d		/		I-e		/		I-f		/		I-g		/		I-h		/		I-i	
10																												
11	Combined Site & Bridge Area -20.A	20.A	Joint Powers Authority	info	/				/				/				/				/				/			
12	Combined Site & Bridge Area -20.F	20.F	Mitigation Reporting and Monitoring Program Amendment	status	/				/				/				/				/				/			
13	Landfill Capacity - 27	27	Tipping Fees for Partial Loads/Peak Hours	status																								
14	Grading & Drainage-41.A -.D	41A-D	Water Conservation	status	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
15	Revegetation - 44.F	44.F	Revegetation	status	✓	C	I-d		✓	C	I-e		✓	C	I-f		✓	C	I-g		✓	C	I-h		✓	C	I-i	
16	Fugitive Dust - 45.B	45.B	Working Face Areas	ongoing	✓	C	I-d		✓	C	I-e		✓	C	I-f		✓	C	I-g		✓	C	I-h		✓	C	I-i	
17	Fugitive Dust - 45.F	45.F	Inactive Areas Monitoring	ongoing	✓	C	I-d		✓	C	I-e		✓	C	I-f		✓	C	I-g		✓	C	I-h		✓	C	I-i	
18	Fugitive Dust - 45.I	45.I	Cleaning of Roads	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
19	Litter Control - 46.A - .D	46A-D	Litter Control Program	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
20	Gas - 52	52	Landfill Gas Collection System	ongoing	✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i	
21	Traffic - 57	57	Traffic Improvements	status	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
22	Traffic - 60	60	Street Light Installation	status	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
23	Traffic - 61	61	Traffic Minimization	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
24	Permittee Fees - 64 - 72	64-72	Permittee Fees	info	/				/				/				/				/				/			

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25	Permittee Fees - 69	69	Permittee Fees-Contributions	info	/				/				/				/				/				/			
26	Permittee Fees - 70	70	Permittee Fees	info	/				/				/				/				/				/			
27	Permittee Fees - 72	72	Permittee Fees	info	/				/				/				/				/				/			
28	Alternative Fuel Vehicles - 77.A	77.A	Alternative Fuel Vehicles-Light Duty	status	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
29	Alternative Fuel Vehicles - 77.B	77.B	Alternative Fuel Vehicles-Refuse/Collection Trucks	status	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
30	Alternative Fuel Vehicles - 77.C	77.C	Alternative Fuel Vehicles-Report	status																								
31	Alternative Fuel Vehicles - 77.D	77.D	Alternative Fuel Vehicles-heavy-duty, alternative fuel off-road equipment pilot program	status																								
32	Alternative Fuel Vehicles - 77.E	77.E	Alternative Fuel Vehicles-Non-diesel Requirements	status																								
33	Alternative Fuel Vehicles - 77.F	77.F	Alternative Fuel Vehicles-Non-diesel Truck Trip Requirements	status																								
34	Alternative Fuel Vehicles - 77.G	77.G	Alternative Fuel Vehicles-Clean Fuel Demo Program	status																								
35	Alternative Fuel Vehicles - 77.H	77.H	Alternative Fuel Vehicles-Compliance Evaluation	status																								
36	Air Quality Monitoring - 81	81	Air Quality Monitoring-Testing	ongoing	/				/				/				/				/				/			
37			Air Quality Monitoring-Testing																									
38	IMP - Part I.A	IMP1	Air Quality Monitoring-Testing	ongoing	/				/				/				/				/				/			
39			Air Quality Monitoring-Testing																									
40	IMP - Part VI	IMP6	Air Quality Monitoring-Testing	ongoing	/				/				/				/				/				/			
41																												
42	MMRS-12/01/06		Mitigation Monitoring and Reporting Summary	info	/				/				/				/				/				/			
43			Permits																									
44	Geology - 1.15		Permittee's On-site Solid Waste Recovery and Recycling Program	status	/				/				/				/				/				/			
45	Surface Water - 2.09		SWRCB Permit Coverage	ongoing	/				/				/				/				/				/			
46	Surface Water - 2.15		Surface Water Preventive Maintenance Program	ongoing	✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i	
47	Groundwater - 3.13		Groundwater-LFG Migration Mitigation	ongoing																								

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48	Groundwater - 3.14		Groundwater-Monitoring Wells	ongoing																								
49	BIOTA – 4.05		Annual Fee Submission for SEA Studies	status	/				/				/				/				/				/			
50	BIOTA – 4.06		Buffer Zone Maintenance as Nature Preserve	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
51	BIOTA – 4.07		Buffer Zone Maintenance-Vegetation	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
52	BIOTA – 4.08		Ridgeline Maintenance-Remain Undisturbed	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
53	BIOTA – 4.47		Cleaning of Equipment	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
54	BIOTA – 4.48		Monitoring of Vector-Attracting Items	ongoing																								
55	BIOTA – 4.49		Salvaged Material Storage-Vector Control	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
56	BIOTA – 4.50		Vector Activity Monitoring	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
57	Air Quality - 6.03		Dust Emission Minimization	ongoing	✓	C	I-d		✓	C	I-e		✓	C	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i	
58	Air Quality - 6.04		Usage of Cut Material for Cover	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
59	Air Quality - 6.05		Operations in Accordance with SCAQMD/DOPW Requirements	info	/				/				/				/				/				/			
60	Air Quality - 6.06		Landfill Gas Control/Extraction System/Monitoring	ongoing	/				/				/				/				/				/			
61	Air Quality - 6.07		Flaring Systems	info	/				/				/				/				/				/			
62	Air Quality - 6.08		Management of Truck Arrivals	ongoing																								
63	Air Quality - 6.10		Refuse Truck Mitigation	status																								
64	Air Quality - 6.11		Light Duty Alternative Fuel Vehicles	status	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	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	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
73	Odor/Landfill Gas – 7.02		Landfill Gas Collection System	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
74	Odor/Landfill Gas – 7.04		Gas Collection/Flare System Risk Mitigation	ongoing																								
75	Odor/Landfill Gas – 7.05		Wellhead Awareness	status	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
76	Odor/Landfill Gas – 7.06		Odor Control Measures	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
77	Odor/Landfill Gas – 7.07		Gas Recovery and Sale	status	✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i	
78	Traffic/Circulation – 8.03		Street Light Installation	status	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
79	Traffic/Circulation – 8.04		Truck Traffic Minimization	status																								
80	Traffic/Circulation – 8.08		Tipping Fees for Partial Loads/Peak Hours	status																								
81	Traffic/Circulation – 8.10		Nighttime Landfill Operations Feasibility	status	/				/				/				/				/				/			
82	Traffic/Circulation – 8.11		Parking Management along San Fernando Road	status	/				/				/				/				/				/			
83	Traffic/Circulation – 8.13		Adequate Queuing	status																								
84	Visual – 10.03		Landfill Flare Locations	status	/				/				/				/				/				/			
85	Visual – 10.04		Confinement of Excavation Cover Material	status																								
86	Visual – 10.05		Lighting Requirements	status																								
87	Visual – 10.11		Litter Control Program	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
88	Visual – 10.11		Solid Waste Load Procedures-Improperly Covered/Contained	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
89	Visual – 10.11		Debris Removal at Entrance	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
90	Visual – 10.11		Litter Control-Fencing	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	I-g		✓	C	I-h		✓	C	I-i	
91	Visual – 10.11		Periodic Litter Pickup	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
92	Visual – 10.11		Litter Control-Additional Measures	ongoing																								
93	Visual – 10.12		Discharge Control/Litter Recovery	status																								

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94	Water Conserv. - 11.01		Water Conservation	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
95	Recycling - 14.01		On-site Waste Diversion/Recycling	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
96	Recycling - 14.03		Tonnage Disposal Determination	info	/				/				/				/				/				/			
97	Recycling - 14.04		Recycling-Various Tasks	info	/				/				/				/				/				/			
98			Clean Dirt Procedures																									
99	Site - 15.11		Reclaimed Water Utilization	status	/				/				/				/				/				/			
100	Site - 15.12		Water Conservation Measures	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
101	Admin Rpts/Pgms - 17.4		Operation Compliance	info	/				/				/				/				/				/			
102	Admin Rpts/Pgms -17.10		Fill Sequencing Plans	status																								
103	Admin Rpts/Pgms-17.15		Quarterly Newsletter	status																								
104	Landfill Operation - 18.7		Graffiti Removal/Deterrent Plan	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
122																												
123	**Civil & Geotechnical Engineer**																											
124																												
125																												
126	Revegetation - 44.C	44.C	Cut Slope Requirements	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
127																												
128	Geology - 1.01		Survey Monument Locations	ongoing	✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i	
129	Geology - 1.02		Seismic Design	ongoing																								
130	Geology - 1.03		Maximum Refuse Slope Gradients	ongoing																								
131	Geology - 1.04		Maximum Refuse Slope Gradients	ongoing																								
132	Geology - 1.05		Unsuitable Material Procedures	ongoing																								
133	Geology - 1.06		Grading Activities Procedures	ongoing																								
134	Geology - 1.07		Grading Activities Procedures	ongoing	✓	C	I-d		✓	C	I-e		✓	C	I-f		✓	C	I-g		✓	C	I-h		✓	C	I-i	

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135	Geology - 1.09		Outer Perimeter Ridgeline Requirements	info																								
136	Geology - 1.12		Soil Stabilization	ongoing	✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i	
137	Geology - 1.16		Checklists/Surveys Following Earthquake	upon event	✓	NA	NONE		✓	NA	NONE		✓	NA	NONE		✓	NA	NONE		✓	NA	NONE		✓	NA	NONE	
138	Geology - 1.18		Alluvium-Removal/Replacement	ongoing																								
139	Geology - 1.19		Landfill Design/Construction	ongoing																								
140	Geology - 1.20		Landfill Design/Construction-Foundations	ongoing																								
141	Surface Water - 2.03		Surface Drainage Control Facilities	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
142	Surface Water - 2.05		Underdrain Requirements	ongoing																								
143	Surface Water - 2.06		Final Cover for Surface Water Runoff Control	ongoing																								
144	Groundwater - 3.02		Liner System Requirements	ongoing																								
145	Groundwater - 3.04		Onsite Inspector for Liner Installation	ongoing																								
146	Groundwater - 3.09		Alluvium Removal	ongoing																								
147	Visual – 10.01		Landfill Elevations	ongoing	✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i	
148	Visual – 10.02		Final Fill Elevations	ongoing	✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i	
149																												
150	**Hydrologist**																											
151																												
152																												
153	Grading & Drainage - 38	38	Installation of Drainage Structures	ongoing																								
154																												
155	Geology - 1.17		Landfill Design/Construction-Seismic	ongoing																								
156	Surface Water - 2.01		Surface Water Runoff Interception	ongoing																								
157	Surface Water - 2.02		Surface Water Runoff Collection	ongoing																								
158	Surface Water - 2.03		Surface Drainage Control-Maintenance	ongoing	✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i	

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159	Surface Water - 2-04		Sedimentation Basin Capabilities	ongoing																								
160	Surface Water - 2.05		Underdrain Placement	ongoing																								
161	Surface Water - 2.07		Drainage Control System Design Approval	ongoing																								
162	Surface Water - 2.08		Surface Water Runoff-Drainage System	ongoing																								
163	Surface Water - 2.10		Surface Water Collection System-Monitoring	ongoing	✓	C	I-d		✓	C	I-e		✓	C	I-f		✓	C	I-g		✓	C	I-h		✓	C	I-i	
164	Surface Water - 2.11		Surface Water Quality-Collection/Monitoring	ongoing																								
165	Surface Water - 2.12		Permanent/Temporary Drainage Facilities	ongoing	✓	C	I-d		✓	C	I-e		✓	C	I-f		✓	C	I-g		✓	C	I-h		✓	C	I-i	
166	Surface Water - 2.13		Permanent/Temporary Drainage Facilities	ongoing																								
167	Surface Water - 2.14		Erosion Control Plan	ongoing	✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f		✓	C	I-g		✓	C	I-h		✓	C	I-i	
168	Groundwater - 3.03		Interception of Groundwater Seepage	ongoing																								
169	Groundwater - 3.06		Monitoring Wells	ongoing																								
170																												
171	**Biologist**																											
172																												
173																												
174	Revegetation - 44	44	Revegetation/Cover Requirements	ongoing																								
175	Revegetation - 44.A	44.A	Temporary Hydroseed Vegetation	ongoing	✓	C	I-d		✓	C	I-e		✓	C	I-f		✓	C	I-g		✓	C	I-h		✓	C	I-i	
176	Revegetation - 44.B	44.B	Interim Reclamation/Revegetation Plan-Sold Waste	ongoing																								
177	Revegetation - 44.D	44.D	Final Fill Slope Requirements	ongoing																								
178	Revegetation - 44.E	44.E		ongoing																								
179																												
180	Geology - 1.13		Drainage Plan Approval	ongoing	✓	C	I-d		✓	C	I-e		✓	C	I-f		✓	C	I-g		✓	C	I-h		✓	C	I-i	
181	Geology - 1.14		Personnel Retention for Monitoring Soil Erosion	ongoing	✓	C	I-d		✓	C	I-e		✓	C	I-f		✓	C	I-g		✓	C	I-h		✓	C	I-i	
182	Groundwater - 3.11		Irrigation/Revegetation Management-Personnel Retention	ongoing																								
183	BIOTA – 4.10		Oak Tree Permit	ongoing	✓	FRN	C		✓	C	I-e		✓	C	I-f		✓	FRN	C		✓	C	I-h		✓	C	I-i	

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184	BIOTA – 4.11		Oak Tree Mitigation Plan	ongoing	✓	FRN	C		✓	C	I-e		✓	C	I-f		✓	FRN	C		✓	C	I-h		✓	C	I-i	
185	BIOTA – 4.13		Oak Tree Mitigation Counting	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
186	BIOTA – 4.20		Poultry Wire Screen	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
187	BIOTA – 4.24		Drip Irrigation	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
188	BIOTA – 4.27		Coastal Sage Scrub Mitigation Plan	ongoing	✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i	
189	BIOTA – 4.28		Coastal Sage Scrub Seeding	ongoing																								
190	BIOTA – 4.29		San Diego Horned Lizard Mitigation	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
191	BIOTA – 4.30		California Gnatcatcher Surveys	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
192	BIOTA – 4.31		Least Bell's Vireo Surveys	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
193	BIOTA – 4.32		Western Burrowing Owl Surveys	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
194	BIOTA – 4.33		Migratory Bird Treaty Act	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
195	BIOTA – 4.34		Raptor Nests Habitat	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
196	BIOTA – 4.36		Personnel Retention for Monitoring Revegetation Plan	ongoing																								
197	BIOTA – 4.37		Personnel Retention for Monitoring Revegetation Plan, Onsite Plants	status																								
198	BIOTA – 4.38		Green Waste Material	ongoing																								
199	BIOTA – 4.39		Revegetation of Slopes/Fill Areas	ongoing																								
200	BIOTA – 4.41		Revegetation Plan-Replacement Cover	ongoing																								
201	BIOTA – 4.42		Interim Vegetation	ongoing	✓	C	I-d		✓	C	I-e		✓	C	I-f		✓	C	I-g		✓	C	I-h		✓	C	I-i	
202	BIOTA – 4.43		Replacement Riparian Habitat	status	✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i	
203	Air Quality - 6.02		Dust Control	ongoing	✓	C	I-d		✓	C	I-e		✓	C	I-f		✓	C	I-g		✓	C	I-h		✓	C	I-i	
204	Visual – 10.06		Upper Ridge Planting/Revegetation	ongoing																								
205	Visual – 10.07		Tree Planting Around Perimeter	ongoing																								
206	Visual – 10.08		Cover/Revegetation Requirements	ongoing	✓	C	I-d		✓	C	I-e		✓	C	I-f		✓	C	I-g		✓	C	I-h		✓	C	I-i	
207	Visual – 10.08		Solid Waste Disposal Procedures	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	

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

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232	Air Quality – 6.01		Access Roads-Paving	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
233	Air Quality – 6.01		Dust Generation-Dumping	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
234	Air Quality – 6.01		Water Tanks/Piping Maintenance	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
235	Air Quality – 6.01		Wind Speed Monitoring	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
236	Air Quality – 6.01		Report Submission-Dust/Odor	every quarter	/				/				/				/				/				/			
237	Odor/Landfill Gas – 7.03		Odor/Landfill Gas Monitoring Program	ongoing	/				/				/				/				/				/			
238	Odor/Landfill Gas – 7.03		Landfill Surface Sampling	ongoing	/				/				/				/				/				/			
239	Odor/Landfill Gas – 7.03		Landfill Perimeter Air Samples	ongoing	/				/				/				/				/				/			
240	Odor/Landfill Gas – 7.03		Landfill Surface Monitoring	ongoing	/				/				/				/				/				/			
241	Odor/Landfill Gas – 7.03		LFG Collection System Monitoring	ongoing	/				/				/				/				/				/			
242	Noise – 9.01		Landfill Access/Operation	info	/				/				/				/				/				/			
243	Noise – 9.03		Landfill Equipment-Mufflers/Silencers	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
244	Admin Rpts/ Pgms-17.16		Air Quality Monitoring-Corrective Action Plan	ongoing	/				/				/				/				/				/			
246																												
247	**Hydrology, Hazardous Waste / Risk of Upset**																											
248																												
249																												
250	IMP - Part IV.E	IMP4	Load Inspection-Random Manual	ongoing																								
251																												
252	Groundwater - 3.05		Leachate Collection and Removal System	ongoing																								
253	Groundwater - 3.15		Underground Diesel Fuel Storage Tanks	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
254	Fire Service - 12.02		On-site Fire Response Capabilities-Operating Equipment	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
255	Fire Service - 12.03		On-site Fire Response Capabilities-Roads/Water	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
256	Fire Service - 12.04		On-site Fuel Storage Tanks-Permit Issuance	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	

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257	Fire Service - 12.05		Building Limits	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
258	Fire Service - 12.06		Methane Gas Monitoring-On-site Structures	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
259	Hazardous Materials – 13.02		Waste Load Checking Program	ongoing																								
260	Hazardous Materials – 13.05		Hazardous Waste Disposal	ongoing																								
261	Hazardous Materials – 13.10		Hazardous Waste-Procedures	ongoing																								
262	Hazardous Materials – 13.11		Spill Response Program	ongoing																								
263	Safety - 16.02		Injury and Illness Prevention Program	status																								
264	Safety - 16.03		Working Conditions-Monitoring	status																								
265	Safety - 16.04		Inspection Checklist-Work Area Exposure	status																								
266	Safety - 16.07		Accident/Injury Reports	status																								
267	Safety - 16.08		First-aid Kits	ongoing																								
268	Safety - 16.10		Lockout/Blackout Procedures	status																								
269	Safety - 16.11		Personal Protective Equipment	status																								
270	Landfill Operation - 18.8		Prohibited Waste Procedures	ongoing																								
271																												
272	**Archaeologist**																											
273																												
274																												
275	Ecological Significance - 62	62	Archaeological/Paleontological Identification/Conservation Program	ongoing	✓	C	I-d		✓	C	I-e		✓	C	I-f		✓	C	I-g		✓	C	I-h		✓	C	I-i	
276	IMP - Part VII.B	IMP7	Archaeological/Paleontological Report Submission	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
277	Archaeological – 5.01		Archaeological Resurvey	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
278	Archaeological – 5.02		Onsite Archaeologist	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
279	Archaeological – 5.03		Onsite Paleontologist	ongoing	✓	C	I-d		✓	C	I-e		✓	C	I-f		✓	C	I-g		✓	C	I-h		✓	C	I-i	
280	Archaeological – 5.04		Archaeological/Paleontological Identification Instruction	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	

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

Sunshine Canyon Landfill County Mitigation Monitoring Summary
(07-01-2020 through 09-30-2020)

Line #	Reference #	Mitigation #	County Mitigation Measures and Conditions Monitored by Discipline	Monitoring Frequency	Second Quarter 2020												Third Quarter 2020											
					4/28/2020	Status*	Further Review Needed/Comments**	Resolved*	5/26/2020	Status*	Further Review Needed/Comments**	Resolved*	6/23/2020	Status*	Further Review Needed/Comments**	Resolved*	7/22/2020	Status*	Further Review Needed/Comments**	Resolved*	8/18/2020	Status*	Further Review Needed/Comments**	Resolved*	9/17/2020	Status*	Further Review Needed/Comments**	Resolved*
281	Archaeological – 5.05		Archaeological Resource Curation	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
282																												
283	**Paleontologist**																											
284																												
285																												
286	Ecological Significance - 62	62	Archaeological/Paleontological -Material Identification/Conservation	ongoing	✓	C	I-d		✓	C	I-e		✓	C	I-f		✓	C	I-g		✓	C	I-h		✓	C	I-i	
287	IMP - Part VII.B	IMP7	Archaeological/Paleontological-Report Submission	ongoing																								

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

Appendix I
Further Review Needed Comments: Reference I-g through I-i
Third Quarter 2020 Site Visits

Discipline	City Condition Reference # / Mitigation #	County Condition Reference #/ Mitigation #	Responsible Agency	Further Review Needed – Comments
Project Manager	Q – B.2.c		City Planning	I-g through I-i: There was no grading outside of the approved landfill development limits during the 3rd Quarter. Cell CC-4 Part 3 was the only area accepting waste during the 3rd Quarter. Cell CC-4 Part 1/2 was at the finished elevation for this phase. CC-4 Part 4A started construction in June and construction was completed in September, with waste being accepted on September 17, 2020. This construction included the relocation of the truck scales, administration buildings, and employee locker room to the City North top deck. The shop and LEA building will be moved in 2021.
		Geology - 1.07	County DPW EPD/SCL-LEA	I-g through I-i: See Q – B.2.c above.
		Geology - 1.12	County DPW EPD/SCL-LEA	I-g through I-i: See Q – B.2.c above.
	Q - C.3.h		City Planning	I-g and I-i: In the 3rd Quarter, localized dust clouds occurred on the County top deck when waste hauling transfer and soil importation trucks used the dirt roads. Packer trucks using the top decks' roads from the scales to the active area generated localized dust clouds. Climatic conditions were an important factor on dust generation. The use of more water trucks employed on a demand-basis should be considered. The dust was not observed leaving the site.
	Q - C.10.c		City Planning	I-g: The gas-to-energy plant was using 9016 SCFM of recovered landfill gas. Flare 1: 2700 SCFM of recovered landfill gas, 31% CH4, 1.8% O2, 100 ppm H2S; Flare 3: was not operating; Flare 9: 2947 SCFM; Flare 10: 2855 SCFM; Flare 11: 2886. The quality of the gas recovered was 42% CH4, 1.6% O2 and 88 ppm H2S. The total volume of landfill gas being recovered was 20,404 SCFM. I-h: The gas-to-energy plant was using 9015 SCFM of recovered landfill gas, 41% CH4, 1.6% O2, 79 ppm H2S. Flare 1: 2760 SCFM, 32% CH4, 1.6% O2, 100 ppm H2S; Flare 3: was not operating; Flare 9: 3222 SCFM; Flare 10: 3221 SCFM; Flare 11: 3069 SCFM. The total volume of landfill gas being recovered was 21,287 SCFM. I-i: The gas-to-energy plant was using 9285 SCFFM of recovered landfill gas, 41% CH4, 1.7% O2, 76 ppm H2S. Flare 1: was not observed; Flare 3: was not observed; Flare 9: 2926 SCFM; Flare 10: 2928 SCFM; Flare 11: 2894 SCFM. The total volume of landfill gas being recovered was 18,033 SCFM not including any gas flared at Flares 1 and 3. I-g and I-i: The quantity of landfill gas being recovered during the 3rd Quarter has a daily average of 20,846 SCFM when using July and August volumes, with the gas-to-energy plant usage averaging 9016 SCFM. An expansion of the gas-to-energy plant or a different beneficial use facility should be pursued.
		Odor/Landfill Gas - 7.07	County Planning/SCAQMD SCL-LEA	I-g and I-i: See Q - C.10.c above.
		Gas - 52	County DPW EPD/SCL-LEA County Forester Fire Warden	I-g and I-i: See Q - C.10.c above.
	T-4		City Planning, City Fire Department	I-g through I-i: An updated fire plan showing the new locations of all facilities, and normal and emergency ingress and egress should be prepared and sent to the local City fire department station and City and County planning when construction of the new operation's facilities currently under construction have been completed. Emergency egress should be posted for employees and customers. It is recommended that the local City fire department station personnel should visit the site and be given the latest facility plot plan showing access roads and facilities. Key management personnel contacts should be provided to the City Fire Department.

Discipline	City Condition Reference # / Mitigation #	County Condition Reference #/ Mitigation #	Responsible Agency	Further Review Needed – Comments
Project Manager		Fire Service - 12.03	County DPW EPD/SCL-LEA County Forester Fire Warden	I-g through I-i: See T-4 above.
	M - 4.1.1 / 7		City Planning, DOGGR	I-g through I-i: The old abandoned oil well casing adjacent to the new secondary access road from the Flare 11 site was not reabandoned. An evaluation of the need to reabandon this well should be done. This well was not leaking oil or gas, and did not pose a current hazard. It is well beyond the approved landfill limits.
		Re-abandonment Procedures	County Planning, County DPW EPD/SCL-LEA, DOGGR	I-g through I-i: See M - 4.1.1 / 7 above.
	M - 4.1.4 / 11	Post-5.0 Earthquake Analysis	City Planning	I-g through I-i: There were no earthquakes of 5.0 or greater during this monitoring period.
	M - 4.2.12 / 26 and 28		City Planning/SCAQMD	I-g through I-i: During the 3rd Quarter, Closure Turf was being maintained, and gas and liquids recovery systems under the turf were performing well. This cover material was in lieu of vegetation on the south-facing slopes, and controlled and eliminated dust and erosion. Other areas of the landfill that were previously hydroseeded had germinated and were growing. The soil stockpiled on the County top deck adjacent to Cell CC4 Part 3 was being used for daily cover. The size of the stockpile has been substantially reduced.
		Fugitive Dust - 45.F	County DPH/County LEA County DPW-EPD County Biologist	I-g through I-i: See M - 4.2.12 / 28 above.
	M -4.2.13/ 29, 30, 32, 33, and 34		City Planning/SCL-LEA/SCAQMD	I-g through I-i: Compliance with these mitigation measures, concerning landfill gas monitoring and odor control and detection, is being monitored by a multi-agency team led by the SCAQMD. Only obvious gas emission sources, odorous operations related to gas and/or gas and landfill liquids, lack of cover, or exposed trash resulting in odor observed during the monitoring visit are reported.
		Amendment 45.N-4.a, 4.c, 4.d	County DPW-EPD	I-g through I-i: See M -4.2.13/ 29, 30, 32, 34 above.
		Amendment 45.N-5	County DPW-EPD	I-g through I-i: See M -4.2.13/ 29, 30, 32, 34 above.

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-g: In July, the monitor drove the Granada Hills neighborhood area from 7:00 to 7:45 a.m., and there were no landfill odors detected. A strong localized odor was detected by the gas recovery well CTC-625. A localized odor was detected at the discharge flange of the western blower for Flares 9, 10, and 11. I-h: The monitor drove the Granada Hills neighborhood areas from 7:30 to 7:45 a.m., and there were no landfill odors detected. A localized intermittent landfill gas odor was detected around gas recovery well CTC-625. A mister was operating at Basin A to control any Cell CC-4 Part 3 working face odors. Water misters were operating at the Old City South landfill berm. I-i: The monitor drove the Granada Hills neighborhood from 7:30 to 8:00 a.m. and there were no landfill odors detected. A slight localized odor was detected at the base of the slope of CC-3A where it meets CC-4 Part 4A. A strong localized gas odor was detected east of Basin B. A localized gas odor was detected at the discharge flange of the western blower for Flares 9, 10, and 11. Dust Boss water misters were being used at the CC-4 Part 3 working face to control localized odors. I-g and I-i: The use of Closure Turf to seal fill areas and function as intermediate cover provided enhanced gas recovery and gas-related odor control. There were no gas or liquids odors detected coming from the Closure Turf areas.
	M - 4.2.13 / 34		City Planning/SCAQMD	I-g through I-i: See M-4.2.13/29, 30, and 32 above.
		Odor/Landfill Gas - 7.06	County DPW-EPD/SCL-LEA/SCAQMD	I-g and I-i: See M-4.2.13/33 above.
		Amendment 45.N - 4.a, 4.c, 4.d	County DPW-EPD	I-g and I-i: See M-4.2.13/29, 30, 32, and 34 above.
		Amendment 45.N - 5	County DPW-EPD	I-g and I-i: See M-4.2.13/29, 30, 32, and 34 above.
		Surface Water - 2.15	County DPW EPD/ LARWQCB, SCL- LEA	I-g through I-i: A preventative maintenance program with inspection of facility equipment, systems and storm water management devices to detect conditions that may cause breakdowns or failures resulting in discharge of materials into stormwater should be performed on a monthly basis, with a summary report issued on a quarterly basis. These reports have been reviewed and are available at the landfill's main office. In the 3rd Quarter, it was observed that vegetation was growing out of numerous cracks in the water retention basins and drainage conveyance channels' concrete. The terminal basin had vegetation growing out of cracks in the interior and exterior concrete side walls and top access walkway. Basins D and B concrete outlets had vegetation growing in cracks. The eastside drainage channel had vegetation growing in and adjacent to the concrete channel. Areas of the channels and basins need repair of the concrete and sealing of cracks when vegetation is removed.
	M - 4.4.2/ 69		City Planning	I-g through I-i: The City was proceeding with writing and adopting an ordinance to allow the wetlands and riparian mitigation to be created in the Chatsworth Reservoir. All environmental analysis has been completed. Republic stated that there has been no progress in finalizing and adopting the ordinance. Since the COVID-19 pandemic, progress has been suspended. 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 for 2020 have not been received. No progress has been made in 2020 thus far.

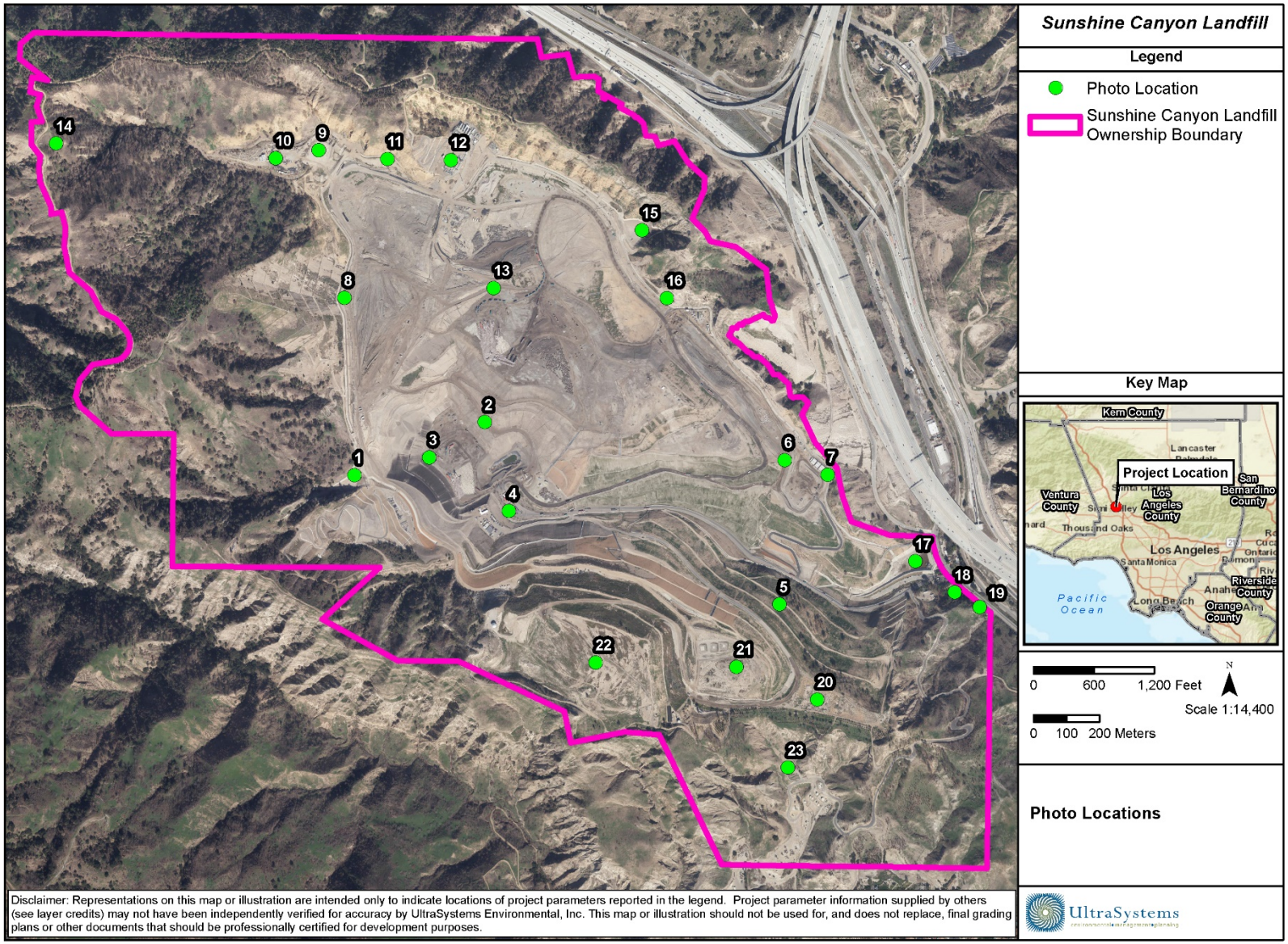
Discipline	City Condition Reference # / Mitigation #	County Condition Reference #/ Mitigation #	Responsible Agency	Further Review Needed – Comments
Project Manager		Biota - 4.4.3	CDFW	I-g through I-i: See M - 4.4.2 / 69 above.
	M - 4.9.3 / 110		City Planning/City LEA	I-g through I-i: During the 3rd Quarter 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-g through I-i: See M - 4.1.1 / 5 below.
	M - 4.1.1 / 4		City Planning/LARWQCB Cal Recycle	I-g through I-i: See M - 4.1.1 / 5 below.
	M - 4.1.1 / 5		City Planning/ LARWQCB Cal Recycle	I-g through I-i: There was no grading outside of the approved landfill development limits during the 3rd Quarter. Cell CC-4 Part 3 was the only area accepting waste during the 3rd Quarter. Cell CC-4 Part 1/2 was at the finished elevation for this phase. CC-4 Part 4A construction was completed in September. This construction included the relocation of the truck scales, administration buildings and employee locker room to the City North top deck. This top deck was graded for the facilities and parking. It is within the approved footprint. The shop and LEA building will be moved in 2021.
		Geology - 1.07	County DPW EPD/ County LEA	I-g through I-i: See M - 4.1.1 / 5 above.
	M - 4.1.5 / 12		City Planning/LARWQCB Cal Recycle	I-g through I-i: See M - 4.1.1 / 5 above.
	M - 4.1.6 / 18			I-g through I-i: The landfill perimeter boundary survey PVC marker pipes have been removed in areas where Edison pole grading took place, near the Flare 11 site pad grading and near the CC-4 Part 3 buttress. These boundary markers have not been replaced. All markers should be replaced.
	M - 4.14.1 / 155		City Planning/Cal Recycle PW-BOE LADBS City LEA	I-g through I-i: Access roads were being maintained around the working area for emergency access.
	M - 4.18 / 178		City Planning/City LEA	I-g through I-i: A map showing areas that are at the final elevations and which should have final cover should be available for review. Documents showing current filled elevations should also be available onsite for review. These conditions were not monitored.
		Visual - 10.01 Visual - 10.02	County DPW EPD/ LARWQCB SCL-LEA	I-g through I-i: See M - 4.18 / 178 above.
Hydrologist	M - 4.3.1/ 37, 38		City Planning/ LARWQCB CalRecycle SCL-LEA PW-BOE	I-g through I-i: Surface drainage systems were in place to intercept or divert rainwater away from prior landfill cells and current filling operations. Most of these were temporary systems in active areas, and most conveyance V-ditches were unlined. Straw wattles were placed on the CC-4 Part 1/2 western and southern-facing slopes. Other areas had jute netting or were hydroseeded. The hydroseeded areas had grown vegetation.
		Surface Water - 2.03 Surface Water - 2.12	County DPW EPD/ LARWQCB SCL-LEA	I-g through I-i: See M - 4.3.1/ 37, 38 above.

Discipline	City Condition Reference # / Mitigation #	County Condition Reference #/ Mitigation #	Responsible Agency	Further Review Needed – Comments
Hydrologist	M - 4.3.1 / 39		City Planning/LARWQCB Cal Recycle	I-g through I-i: See M - 4.3.1/ 37, 38 above.
	M - 4.3.1 / 40		City Planning/ LARWQCB CalRecycle SCL-LEA PW-BOE LADBS	I-g through I-i: See M - 4.3.1/ 37, 38 above.
	M - 4.3.1 / 43		City Planning/ LARWQCB CalRecycle SCL-LEA PW-BOE LADBS	I-g through I-i: Early in the 3rd Quarter, Basin A and the Terminal Basin had standing water. By the mid-3rd Quarter, all basins were dry and the temporary basin in the Cell CC-4 Part 3 area was removed for Cell CC-4 Part 4A construction. At the end of the 3rd Quarter, all basins had sediment removed, drainage rock around the outlet risers cleaned, and the basins were ready for rain events. Windblown litter was observed during the entire 3rd Quarter in the native vegetation west and south of Basin A.
		Surface Water - 2.10	LARWQCB / County DPW EPD	I-g through I-i: See M - 4.3.1/ 37, 38 and 43 above.
		Surface Water - 2.14	LARWQCB / County DPW EPD	I-g through I-i: See M - 4.3.1 / 37, 38 and 43 above. The current erosion control plans should be available for agency and monitor review.
	M - 4.3.1/ 46		City Planning/ LARWQCB CalRecycle PW-BOE	I-g through I-i: See 2.15 above.
	M - 4.3.2 / 50		City Planning/ LARWQCB CalRecycle SCL-LEA	I-g through I-i: The old City north top deck has a tank farm of 16 Alder storage tanks for processing recovered leachate and condensate, with a double-wall pipeline to the sewer connection at the entrance near San Fernando Road. This system operated with no odors detected at the tank farm or the sewer connection during the 3rd Quarter. Tank farm liquids were being treated with hydrogen peroxide.

Discipline	City Condition Reference # / Mitigation #	County Condition Reference #/ Mitigation #	Responsible Agency	Further Review Needed – Comments
Biologist	M - 4.1.1 / 6		City Planning/ LARWQCB CalRecycle SCL-LEA LADBS	I-g through I-i: See M - 4.2.12 / 28 above.
		Geology - 1.14	LARWQCB/ County Forester	I-g through I-i: See M - 4.2.12 / 28 above.
	M - 4.2.11 / 23		City Planning	I-g through I-i: See M - 4.2.12 / 28 above.
		Geology - 1.13	County DPW EPD/ County Forester LARWQCB	I-g through I-i: See M - 4.2.12 / 28 above.
	M - 4.2.12		SCL-LEA/ City Planning	I-g through I-i: See M - 4.2.12 / 28 above.
		Revegetation - 44.A	SCL-LEA/ County DPW EPD Regional Planning County Biologist	I-g through I-i: See M - 4.2.12 / 28 above.
		Revegetation - 44.F	SCL-LEA/ County DPW EPD Regional Planning County Biologist	I-g through I-i: See M - 4.2.12 / 28 above.
		Biota - 4.42	SCL-LEA	I-g through I-i: See M - 4.2.12 / 28 above.
		Air Quality - 6.02	SCAQMD/ SCL-LEA	I-g through I-i: See M - 4.2.12 / 28 above.
		Visual - 10.08	County Forester	I-g through I-i: See M - 4.2.12 / 28 above.
	M - 4.4.1 / 60		City Planning	I-g through I-i: During the 3rd Quarter, sage mitigation areas B and C were being maintained by the removal of non-native vegetation. Native vegetation was recovering from the Saddleridge Fire. The fire's impact to the PM-10 oak trees was being evaluated. There was no activity on the County sage mitigation areas.
		Biota - 4.27	County LEA/CDFW	I-g through I-i: See M - 4.4.1 / 60 above.
		Biota - 4.10	County LEA/CDFW	I-g through I-i: An updated mitigation tree report evaluating the impacts of the Saddleridge Fire was being prepared. A mitigation tree replacement plan, scope, and schedule has not been issued.
	M - 4.4.3 / 72		City Planning	I-g through I-i: See Biota - 4.10 above.
	M - 4.9.4 / 121		City Planning/Cal Recycle Cal OSHA LAFD City LEA	I-g through I-i: See T-4 above.

Discipline	City Condition Reference # / Mitigation #	County Condition Reference #/ Mitigation #	Responsible Agency	Further Review Needed – Comments
Biologist	M-4.9.4/ 125		City Planning/ CalRecycle Cal OSHA SCL-LEA	I-g through I-i: During the 3rd Quarter of 2020, the south oil field gate and north perimeter gate were observed to be locked.
Paleontologist	M-4.19.2/ 191		City Planning	I-g through I-i: During the 3rd Quarter, there was no grading in native undisturbed areas that required paleontological monitoring.
		Ecological Significance 62	County Planning	I-g through I-i: See M-4.19.2/ 191 above.

Appendix II
Relevant Site Photos



Path: \\GISSVR\gis\Projects\5800_Sunshine_Canyon\MXDs\PhotoLocations\5800_Sunshine_Canyon_PhotoLocations_2020_10_12.mxd
Service Layer Credits: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community; CAL FIRE, 2007; Republic, March 2020; LA County Assessor, 2020

October 12, 2020

Photo Location Map Key

Map Location	Title	Photo Number
1	Basin A	1 – 23
2	Working Area, CC4 Part 1 and Part 2	24 – 76
3	Working Area, CC4 Part 3	77 – 187
4	Cell Construction Area, CC-4 Part 4A	188 – 344
5	Closure Turf	345 – 356
6	New Office and Scales Location	357 – 398
7	Alder Tank Liquids Treatment System	399 – 413
8	County Sage Mitigation Area and Westside Drainage Channels	414 – 438
9	Basin D	439 – 445
10	Basin D Material Storage Area	446 – 454
11	Basin D Outlet Channel	–
12	Flares 9, 10, 11 and Gas-to-Energy Facility	455 – 471
13	County Top Deck	472 – 478
14	North Access Road	479 – 480
15	Basin B	481 – 506
16	Eastside Drainage Channel	507 – 540
17	Terminal Basin	541 – 584
18	Greywater Sewer Connection	–
19	Retaining Wall at San Fernando Road	–
20	Sage Mitigation, Deck C	585 – 599
21	Sage Mitigation, Deck B	–
22	Sage Mitigation, Deck A	–
23	Southern Ownership Buffer	–
–	General Site	600 – 742



Photo 1: Basin A: July 22, 2020



Photo 2: Basin A: July 22, 2020



Photo 3: Basin A: July 22, 2020



Photo 4: Basin A: July 22, 2020



Photo 5: Basin A: July 22, 2020



Photo 6: Basin A: July 22, 2020



Photo 7: Basin A: July 22, 2020



Photo 8: Basin A: July 22, 2020



Photo 9: Basin A: July 22, 2020



Photo 10: Basin A: August 18, 2020



Photo 11: Basin A: August 18, 2020



Photo 12: Basin A: August 18, 2020



Photo 13: Basin A: August 18, 2020



Photo 14: Basin A: August 18, 2020



Photo 15: Basin A: August 18, 2020



Photo 16: Basin A: August 18, 2020



Photo 17: Basin A: August 18, 2020



Photo 18: Basin A: September 17, 2020



Photo 19: Basin A: September 17, 2020



Photo 20: Basin A: September 17, 2020



Photo 21: Basin A: September 17, 2020



Photo 22: Basin A: September 17, 2020



Photo 23: Basin A: September 17, 2020



Photo 24: Working Area, CC-4 Part 1 and 2: July 22, 2020



Photo 25: Working Area, CC-4 Part 1 and 2: July 22, 2020



Photo 26: Working Area, CC-4 Part 1 and 2: July 22, 2020



Photo 27: Working Area, CC-4 Part 1 and 2: July 22, 2020



Photo 28: Working Area, CC-4 Part 1 and 2: July 22, 2020



Photo 29: Working Area, CC-4 Part 1 and 2: July 22, 2020



Photo 30: Working Area, CC-4 Part 1 and 2: July 22, 2020



Photo 31: Working Area, CC-4 Part 1 and 2: July 22, 2020



Photo 32: Working Area, CC-4 Part 1 and 2: July 22, 2020



Photo 33: Working Area, CC-4 Part 1 and 2: July 22, 2020



Photo 34: Working Area, CC-4 Part 1 and 2: July 22, 2020



Photo 35: Working Area, CC-4 Part 1 and 2: July 22, 2020



Photo 36: Working Area, CC-4 Part 1 and 2: July 22, 2020



Photo 37: Working Area, CC-4 Part 1 and 2: July 22, 2020



Photo 38: Working Area, CC-4 Part 1 and 2: July 22, 2020



Photo 39: Working Area, CC-4 Part 1 and 2: July 22, 2020



Photo 40: Working Area, CC-4 Part 1 and 2: July 22, 2020



Photo 41: Working Area, CC-4 Part 1 and 2: July 22, 2020



Photo 42: Working Area, CC-4 Part 1 and 2: July 22, 2020



Photo 43: Working Area, CC-4 Part 1 and 2: July 22, 2020



Photo 44: Working Area, CC-4 Part 1 and 2: July 22, 2020



Photo 45: Working Area, CC-4 Part 1 and 2: July 22, 2020



Photo 46: Working Area, CC-4 Part 1 and 2: July 22, 2020



Photo 47: Working Area, CC-4 Part 1 and 2: July 22, 2020



Photo 48: Working Area, CC-4 Part 1 and 2: August 18, 2020



Photo 49: Working Area, CC-4 Part 1 and 2: August 18, 2020



Photo 50: Working Area, CC-4 Part 1 and 2: August 18, 2020



Photo 51: Working Area, CC-4 Part 1 and 2: August 18, 2020



Photo 52: Working Area, CC-4 Part 1 and 2: August 18, 2020



Photo 53: Working Area, CC-4 Part 1 and 2: August 18, 2020



Photo 54: Working Area, CC-4 Part 1 and 2: August 18, 2020



Photo 55: Working Area, CC-4 Part 1 and 2: August 18, 2020



Photo 56: Working Area, CC-4 Part 1 and 2: August 18, 2020



Photo 57: Working Area, CC-4 Part 1 and 2: August 18, 2020



Photo 58: Working Area, CC-4 Part 1 and 2: August 18, 2020



Photo 59: Working Area, CC-4 Part 1 and 2: August 18, 2020



Photo 60: Working Area, CC-4 Part 1 and 2: August 18, 2020



Photo 61: Working Area, CC-4 Part 1 and 2: August 18, 2020



Photo 62: Working Area, CC-4 Part 1 and 2: August 18, 2020



Photo 63: Working Area, CC-4 Part 1 and 2: August 18, 2020



Photo 64: Working Area, CC-4 Part 1 and 2: September 17, 2020



Photo 65: Working Area, CC-4 Part 1 and 2: September 17, 2020



Photo 66: Working Area, CC-4 Part 1 and 2: September 17, 2020



Photo 67: Working Area, CC-4 Part 1 and 2: September 17, 2020



Photo 68: Working Area, CC-4 Part 1 and 2: September 17, 2020



Photo 69: Working Area, CC-4 Part 1 and 2: September 17, 2020



Photo 70: Working Area, CC-4 Part 1 and 2: September 17, 2020



Photo 71: Working Area, CC-4 Part 1 and 2: September 17, 2020



Photo 72: Working Area, CC-4 Part 1 and 2: September 17, 2020



Photo 73: Working Area, CC-4 Part 1 and 2: September 17, 2020



Photo 74: Working Area, CC-4 Part 1 and 2: September 17, 2020



Photo 75: Working Area, CC-4 Part 1 and 2: September 17, 2020



Photo 76: Working Area, CC-4 Part 1 and 2: September 17, 2020



Photo 77: Working Area, CC-4 Part 3: July 22, 2020



Photo 78: Working Area, CC-4 Part 3: July 22, 2020



Photo 79: Working Area, CC-4 Part 3: July 22, 2020



Photo 80: Working Area, CC-4 Part 3: July 22, 2020



Photo 81: Working Area, CC-4 Part 3: July 22, 2020



Photo 82: Working Area, CC-4 Part 3: July 22, 2020



Photo 83: Working Area, CC-4 Part 3: July 22, 2020



Photo 84: Working Area, CC-4 Part 3: July 22, 2020



Photo 85: Working Area, CC-4 Part 3: July 22, 2020



Photo 86: Working Area, CC-4 Part 3: July 22, 2020



Photo 87: Working Area, CC-4 Part 3: July 22, 2020



Photo 88: Working Area, CC-4 Part 3: July 22, 2020



Photo 89: Working Area, CC-4 Part 3: July 22, 2020



Photo 90: Working Area, CC-4 Part 3: July 22, 2020



Photo 91: Working Area, CC-4 Part 3: July 22, 2020



Photo 92: Working Area, CC-4 Part 3: July 22, 2020



Photo 93: Working Area, CC-4 Part 3: July 22, 2020



Photo 94: Working Area, CC-4 Part 3: July 22, 2020



Photo 95: Working Area, CC-4 Part 3: July 22, 2020



Photo 96: Working Area, CC-4 Part 3: July 22, 2020



Photo 97: Working Area, CC-4 Part 3: July 22, 2020



Photo 98: Working Area, CC-4 Part 3: July 22, 2020



Photo 99: Working Area, CC-4 Part 3: July 22, 2020



Photo 100: Working Area, CC-4 Part 3: July 22, 2020



Photo 101: Working Area, CC-4 Part 3: July 22, 2020



Photo 102: Working Area, CC-4 Part 3: July 22, 2020



Photo 103: Working Area, CC-4 Part 3: July 22, 2020



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Photo 106: Working Area, CC-4 Part 3: July 22, 2020



Photo 107: Working Area, CC-4 Part 3: July 22, 2020



Photo 108: Working Area, CC-4 Part 3: July 22, 2020

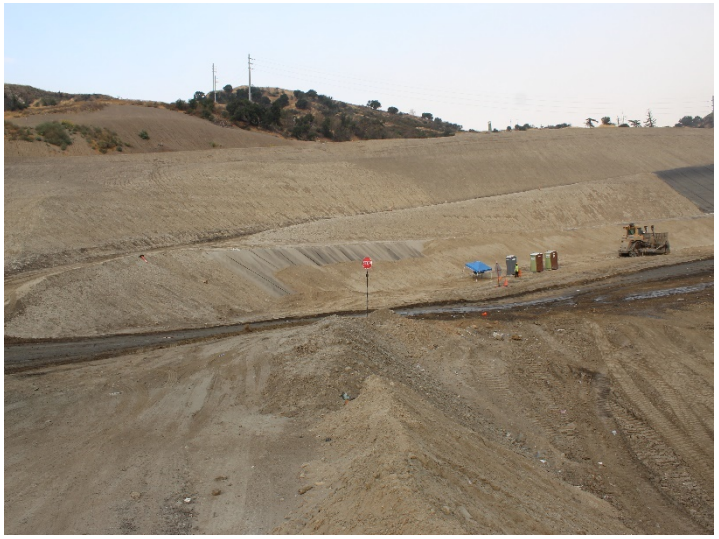

Photo 109: Working Area, CC-4 Part 3: August 18, 2020



Photo 110: Working Area, CC-4 Part 3: August 18, 2020



Photo 111: Working Area, CC-4 Part 3: August 18, 2020



Photo 112: Working Area, CC-4 Part 3: August 18, 2020



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Photo 125: Working Area, CC-4 Part 3: August 18, 2020

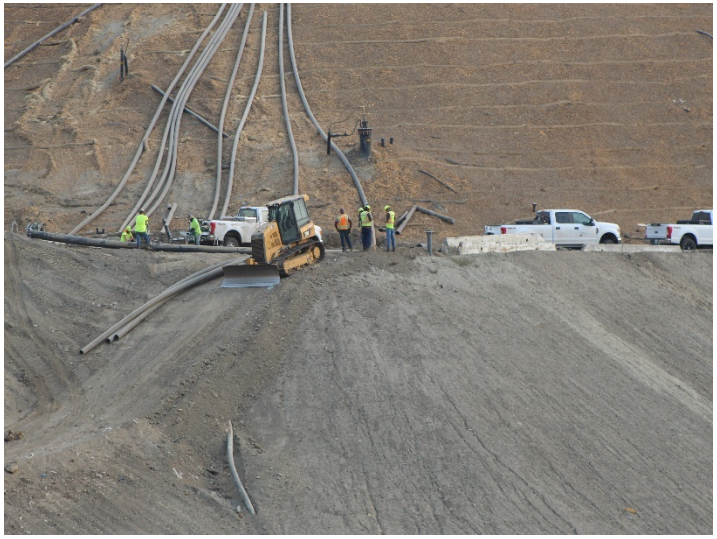

Photo 126: Working Area, CC-4 Part 3: August 18, 2020



Photo 127: Working Area, CC-4 Part 3: August 18, 2020



Photo 128: Working Area, CC-4 Part 3: August 18, 2020



Photo 129: Working Area, CC-4 Part 3: August 18, 2020



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Photo 141: Working Area, CC-4 Part 3: August 18, 2020



Photo 142: Working Area, CC-4 Part 3: August 18, 2020



Photo 143: Working Area, CC-4 Part 3: August 18, 2020



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Photo 152: Working Area, CC-4 Part 3: August 18, 2020



Photo 153: Working Area, CC-4 Part 3: August 18, 2020



Photo 154: Working Area, CC-4 Part 3: September 17, 2020



Photo 155: Working Area, CC-4 Part 3: September 17, 2020



Photo 156: Working Area, CC-4 Part 3: September 17, 2020



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Photo 186: Working Area, CC-4 Part 3: September 17, 2020



Photo 187: Working Area, CC-4 Part 3: September 17, 2020



Photo 188: Cell Construction Area, CC-4 Part 4A: July 22, 2020



Photo 189: Cell Construction Area, CC-4 Part 4A: July 22, 2020



Photo 190: Cell Construction Area, CC-4 Part 4A: July 22, 2020



Photo 191: Cell Construction Area, CC-4 Part 4A: July 22, 2020



Photo 192: Cell Construction Area, CC-4 Part 4A: July 22, 2020



Photo 193: Cell Construction Area, CC-4 Part 4A: July 22, 2020

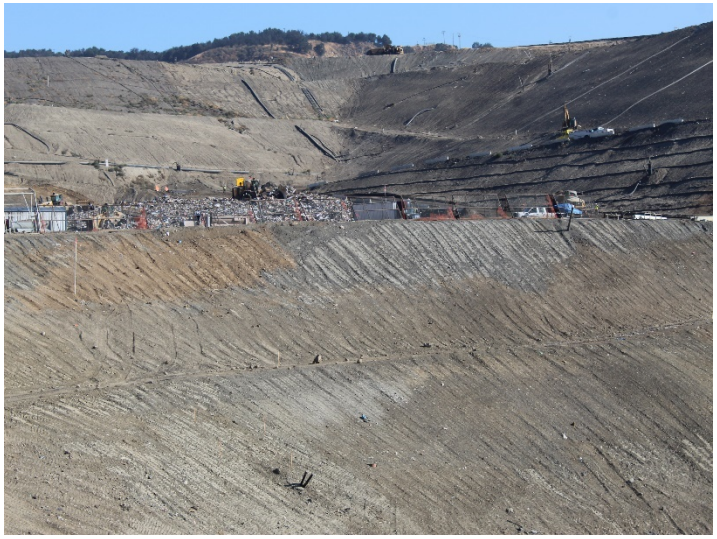

Photo 194: Cell Construction Area, CC-4 Part 4A: July 22, 2020



Photo 195: Cell Construction Area, CC-4 Part 4A: July 22, 2020



Photo 196: Cell Construction Area, CC-4 Part 4A: July 22, 2020



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Photo 202: Cell Construction Area, CC-4 Part 4A: July 22, 2020



Photo 203: Cell Construction Area, CC-4 Part 4A: July 22, 2020

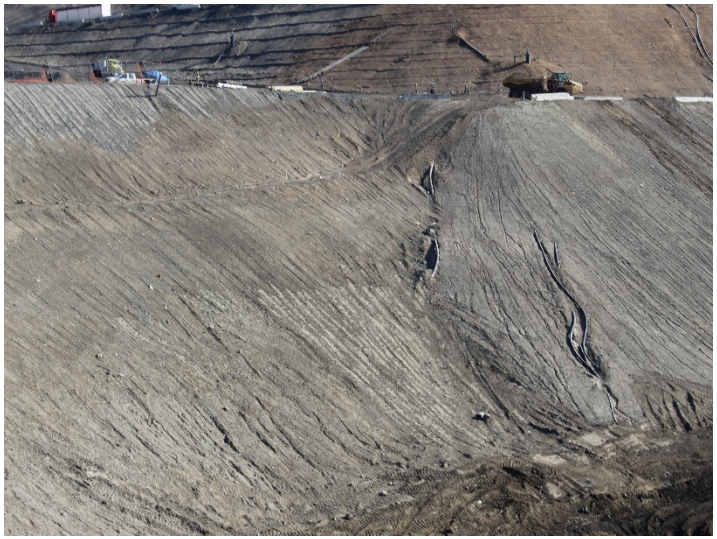

Photo 204: Cell Construction Area, CC-4 Part 4A: July 22, 2020



Photo 205: Cell Construction Area, CC-4 Part 4A: July 22, 2020



Photo 206: Cell Construction Area, CC-4 Part 4A: July 22, 2020



Photo 207: Cell Construction Area, CC-4 Part 4A: July 22, 2020



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Photo 230: Cell Construction Area, CC-4 Part 4A: July 22, 2020



Photo 231: Cell Construction Area, CC-4 Part 4A: July 22, 2020

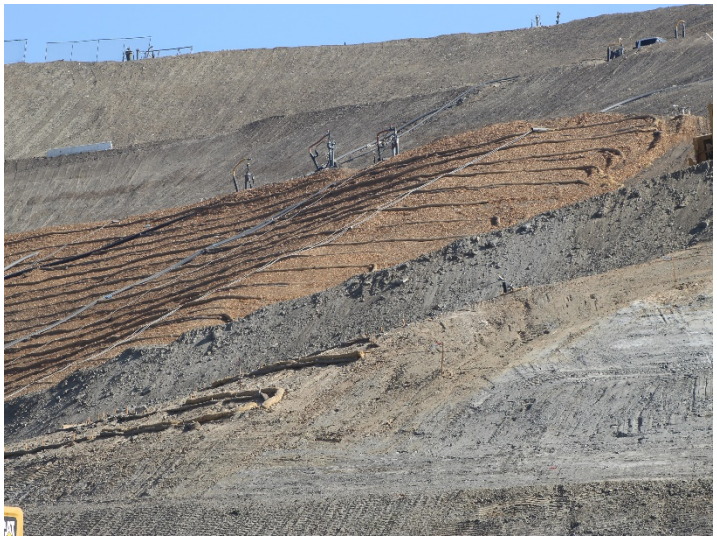

Photo 232: Cell Construction Area, CC-4 Part 4A: July 22, 2020



Photo 233: Cell Construction Area, CC-4 Part 4A: July 22, 2020



Photo 234: Cell Construction Area, CC-4 Part 4A: July 22, 2020



Photo 235: Cell Construction Area, CC-4 Part 4A: July 22, 2020

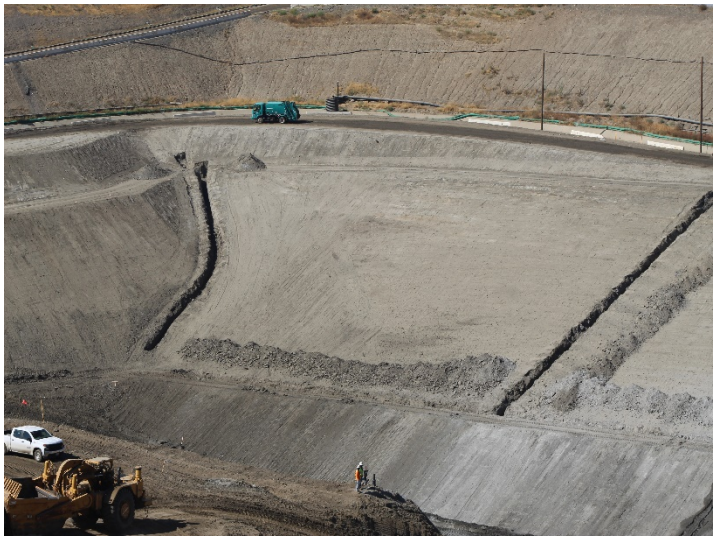

Photo 236: Cell Construction Area, CC-4 Part 4A: July 22, 2020



Photo 237: Cell Construction Area, CC-4 Part 4A: July 22, 2020



Photo 238: Cell Construction Area, CC-4 Part 4A: July 22, 2020



Photo 239: Cell Construction Area, CC-4 Part 4A: July 22, 2020



Photo 240: Cell Construction Area, CC-4 Part 4A: July 22, 2020



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Photo 242: Cell Construction Area, CC-4 Part 4A: July 22, 2020



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Photo 244: Cell Construction Area, CC-4 Part 4A: July 22, 2020



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Photo 249: Cell Construction Area, CC-4 Part 4A: July 22, 2020



Photo 250: Cell Construction Area, CC-4 Part 4A: July 22, 2020



Photo 251: Cell Construction Area, CC-4 Part 4A: July 22, 2020



Photo 252: Cell Construction Area, CC-4 Part 4A: July 22, 2020



Photo 253: Cell Construction Area, CC-4 Part 4A: August 18, 2020



Photo 254: Cell Construction Area, CC-4 Part 4A: August 18, 2020



Photo 255: Cell Construction Area, CC-4 Part 4A: August 18, 2020



Photo 256: Cell Construction Area, CC-4 Part 4A: August 18, 2020



Photo 257: Cell Construction Area, CC-4 Part 4A: August 18, 2020



Photo 258: Cell Construction Area, CC-4 Part 4A: August 18, 2020



Photo 259: Cell Construction Area, CC-4 Part 4A: August 18, 2020



Photo 260: Cell Construction Area, CC-4 Part 4A: August 18, 2020

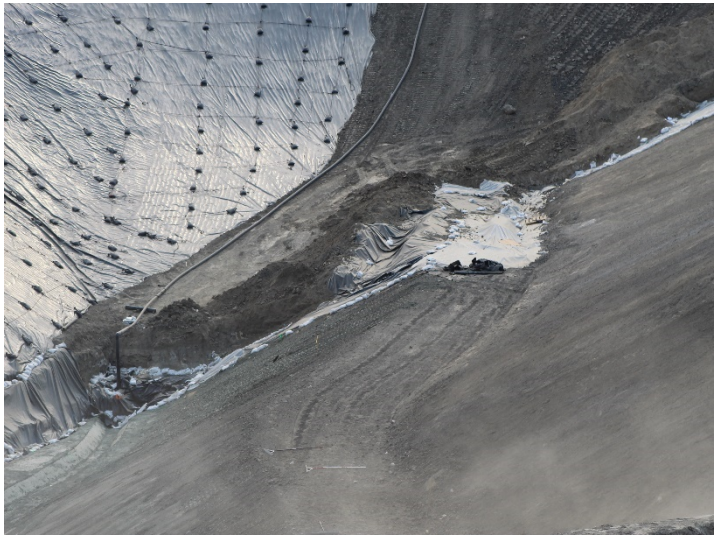

Photo 261: Cell Construction Area, CC-4 Part 4A: August 18, 2020



Photo 262: Cell Construction Area, CC-4 Part 4A: August 18, 2020



Photo 263: Cell Construction Area, CC-4 Part 4A: August 18, 2020



Photo 264: Cell Construction Area, CC-4 Part 4A: August 18, 2020



Photo 265: Cell Construction Area, CC-4 Part 4A: August 18, 2020



Photo 266: Cell Construction Area, CC-4 Part 4A: August 18, 2020



Photo 267: Cell Construction Area, CC-4 Part 4A: August 18, 2020

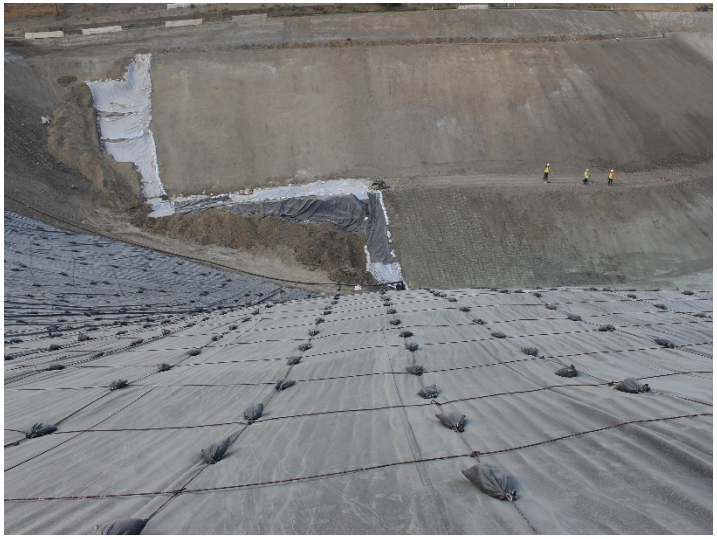

Photo 268: Cell Construction Area, CC-4 Part 4A: August 18, 2020

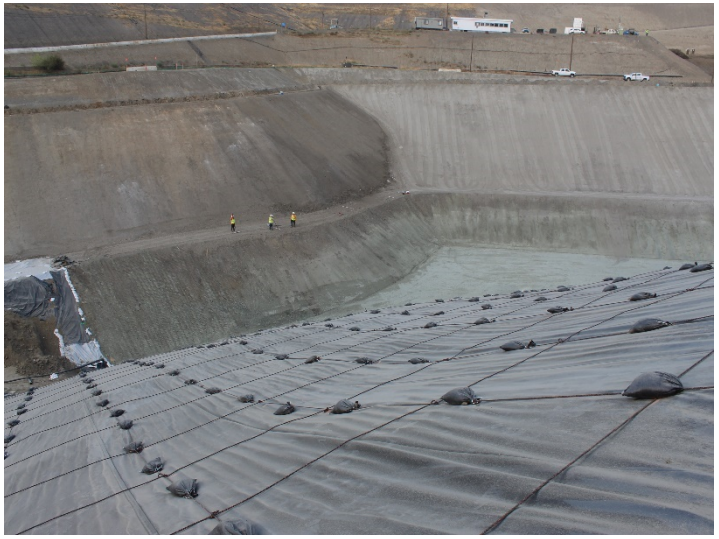

Photo 269: Cell Construction Area, CC-4 Part 4A: August 18, 2020



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Photo 271: Cell Construction Area, CC-4 Part 4A: August 18, 2020



Photo 272: Cell Construction Area, CC-4 Part 4A: August 18, 2020



Photo 273: Cell Construction Area, CC-4 Part 4A: August 18, 2020



Photo 274: Cell Construction Area, CC-4 Part 4A: August 18, 2020

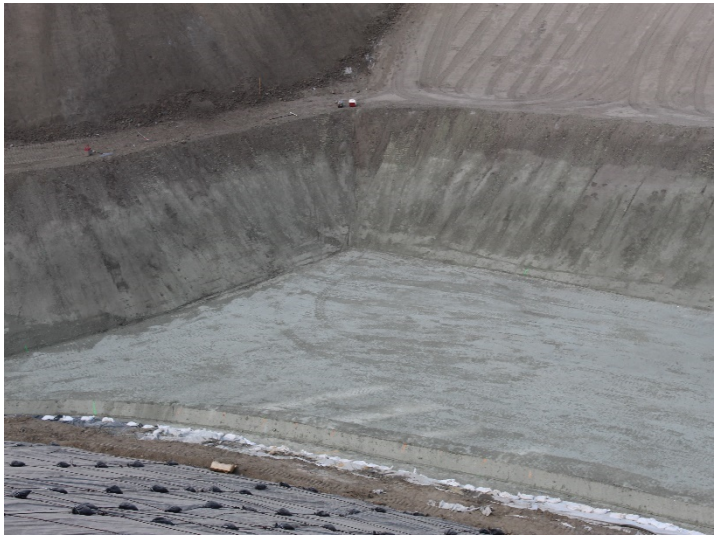

Photo 275: Cell Construction Area, CC-4 Part 4A: August 18, 2020



Photo 276: Cell Construction Area, CC-4 Part 4A: August 18, 2020



Photo 277: Cell Construction Area, CC-4 Part 4A: August 18, 2020



Photo 278: Cell Construction Area, CC-4 Part 4A: August 18, 2020



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Photo 288: Cell Construction Area, CC-4 Part 4A: August 18, 2020



Photo 289: Cell Construction Area, CC-4 Part 4A: August 18, 2020



Photo 290: Cell Construction Area, CC-4 Part 4A: September 17, 2020



Photo 291: Cell Construction Area, CC-4 Part 4A: September 17, 2020



Photo 292: Cell Construction Area, CC-4 Part 4A: September 17, 2020



Photo 293: Cell Construction Area, CC-4 Part 4A: September 17, 2020



Photo 294: Cell Construction Area, CC-4 Part 4A: September 17, 2020



Photo 295: Cell Construction Area, CC-4 Part 4A: September 17, 2020



Photo 296: Cell Construction Area, CC-4 Part 4A: September 17, 2020



Photo 297: Cell Construction Area, CC-4 Part 4A: September 17, 2020

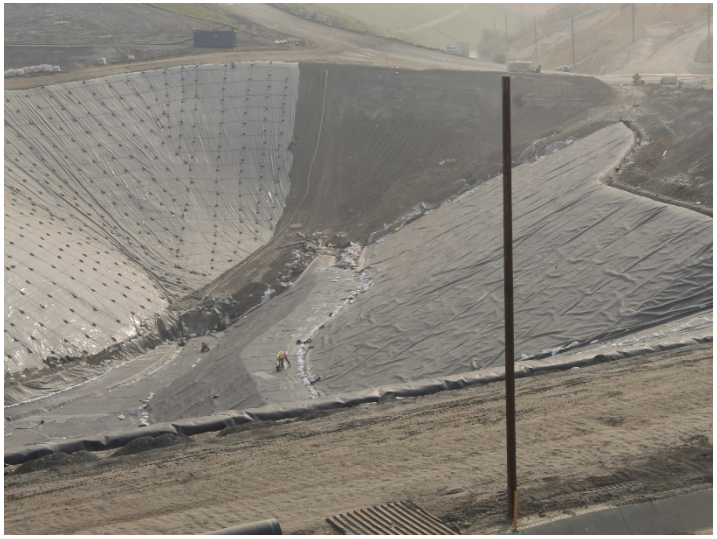

Photo 298: Cell Construction Area, CC-4 Part 4A: September 17, 2020



Photo 299: Cell Construction Area, CC-4 Part 4A: September 17, 2020



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Photo 301: Cell Construction Area, CC-4 Part 4A: September 17, 2020



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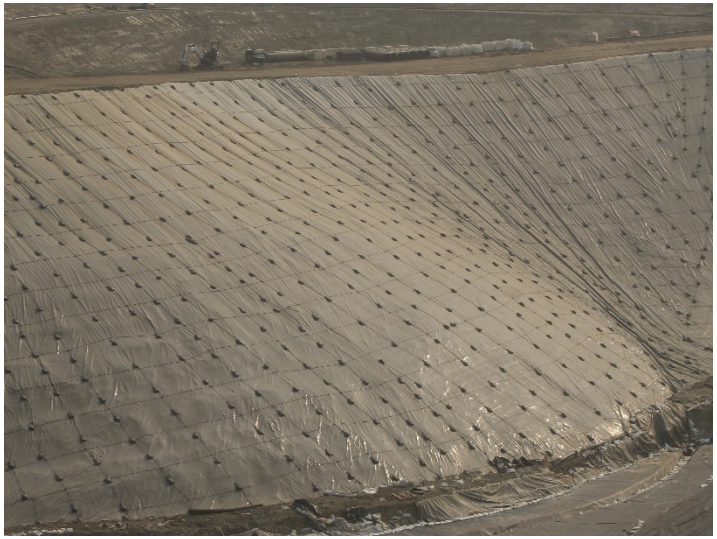

Photo 304: Cell Construction Area, CC-4 Part 4A: September 17, 2020



Photo 305: Cell Construction Area, CC-4 Part 4A: September 17, 2020



Photo 306: Cell Construction Area, CC-4 Part 4A: September 17, 2020



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Photo 321: Cell Construction Area, CC-4 Part 4A: September 17, 2020



Photo 322: Cell Construction Area, CC-4 Part 4A: September 17, 2020

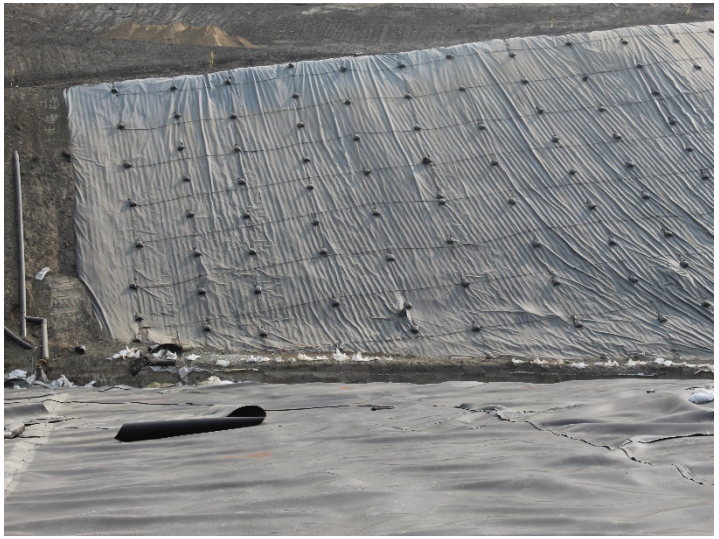

Photo 323: Cell Construction Area, CC-4 Part 4A: September 17, 2020



Photo 324: Cell Construction Area, CC-4 Part 4A: September 17, 2020



Photo 325: Cell Construction Area, CC-4 Part 4A: September 17, 2020



Photo 326: Cell Construction Area, CC-4 Part 4A: September 17, 2020



Photo 327: Cell Construction Area, CC-4 Part 4A: September 17, 2020



Photo 328: Cell Construction Area, CC-4 Part 4A: September 17, 2020



Photo 329: Cell Construction Area, CC-4 Part 4A: September 17, 2020

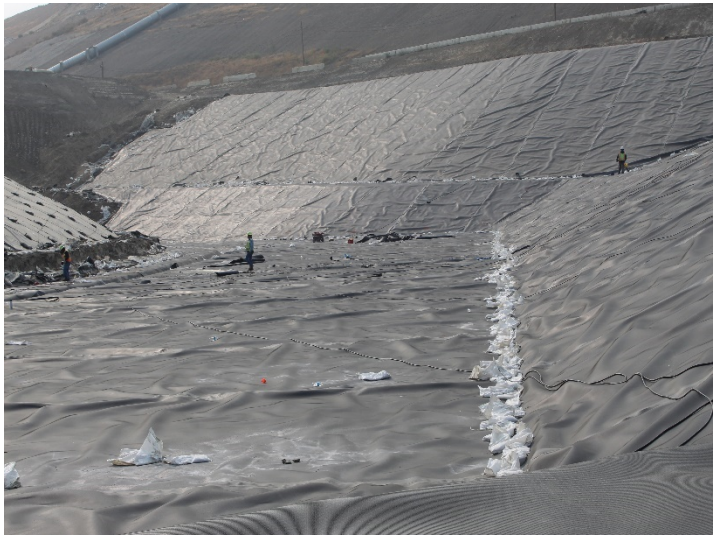

Photo 330: Cell Construction Area, CC-4 Part 4A: September 17, 2020

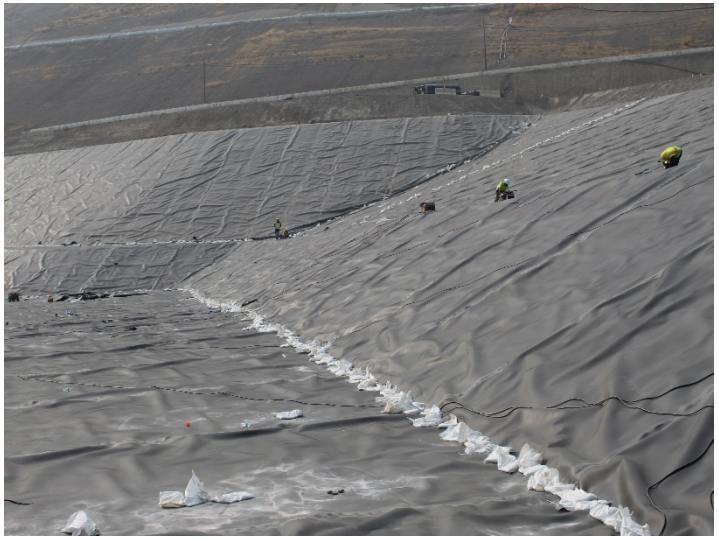

Photo 331: Cell Construction Area, CC-4 Part 4A: September 17, 2020



Photo 332: Cell Construction Area, CC-4 Part 4A: September 17, 2020



Photo 333: Cell Construction Area, CC-4 Part 4A: September 17, 2020



Photo 334: Cell Construction Area, CC-4 Part 4A: September 17, 2020



Photo 335: Cell Construction Area, CC-4 Part 4A: September 17, 2020



Photo 336: Cell Construction Area, CC-4 Part 4A: September 17, 2020

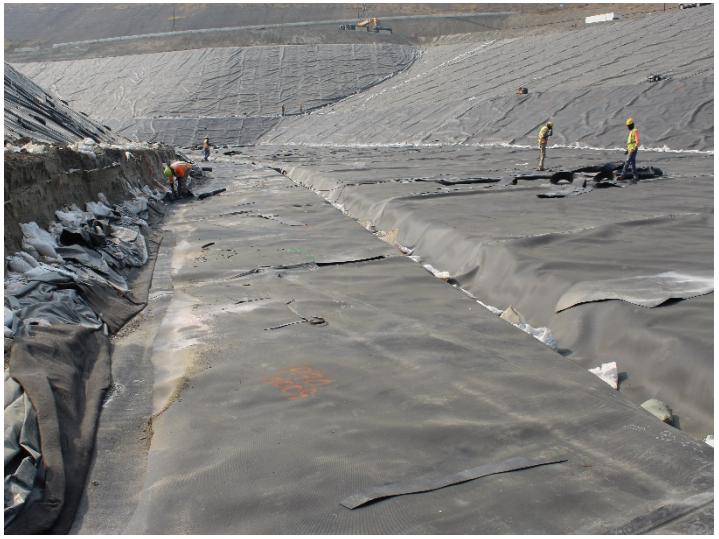

Photo 337: Cell Construction Area, CC-4 Part 4A: September 17, 2020

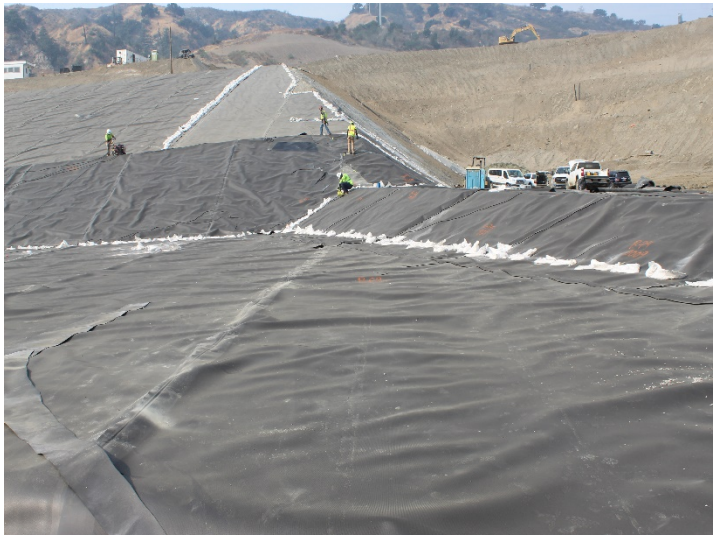

Photo 338: Cell Construction Area, CC-4 Part 4A: September 17, 2020



Photo 339: Cell Construction Area, CC-4 Part 4A: September 17, 2020



Photo 340: Cell Construction Area, CC-4 Part 4A: September 17, 2020



Photo 341: Cell Construction Area, CC-4 Part 4A: September 17, 2020



Photo 342: Cell Construction Area, CC-4 Part 4A: September 17, 2020



Photo 343: Cell Construction Area, CC-4 Part 4A: September 17, 2020



Photo 344: Cell Construction Area, CC-4 Part 4A: September 17, 2020



Photo 345: Closure Turf: July 22, 2020



Photo 346: Closure Turf: July 22, 2020



Photo 347: Closure Turf: July 22, 2020



Photo 348: Closure Turf: August 18, 2020



Photo 349: Closure Turf: August 18, 2020



Photo 350: Closure Turf: August 18, 2020



Photo 351: Closure Turf: August 18, 2020



Photo 352: Closure Turf: September 17, 2020



Photo 353: Closure Turf: September 17, 2020



Photo 354: Closure Turf: September 17, 2020



Photo 355: Closure Turf: September 17, 2020



Photo 356: Closure Turf: September 17, 2020



Photo 357: New Office and Scales Location: July 22, 2020



Photo 358: New Office and Scales Location: July 22, 2020



Photo 359: New Office and Scales Location: July 22, 2020



Photo 360: New Office and Scales Location: July 22, 2020



Photo 361: New Office and Scales Location: July 22, 2020



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Photo 375: New Office and Scales Location: July 22, 2020



Photo 376: New Office and Scales Location: August 18, 2020



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Photo 392: New Office and Scales Location: September 17, 2020



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Photo 394: New Office and Scales Location: September 17, 2020



Photo 395: New Office and Scales Location: September 17, 2020



Photo 396: New Office and Scales Location: September 17, 2020



Photo 397: New Office and Scales Location: September 17, 2020



Photo 398: New Office and Scales Location: September 17, 2020



Photo 399: Alder Tank Liquids Treatment System: July 22, 2020



Photo 400 Alder Tank Liquids Treatment System: July 22, 2020



Photo 401: Alder Tank Liquids Treatment System: July 22, 2020



Photo 402: Alder Tank Liquids Treatment System: July 22, 2020



Photo 403: Alder Tank Liquids Treatment System: August 18, 2020



Photo 404: Alder Tank Liquids Treatment System: August 18, 2020



Photo 405: Alder Tank Liquids Treatment System: August 18, 2020



Photo 406: Alder Tank Liquids Treatment System: August 18, 2020



Photo 407: Alder Tank Liquids Treatment System: August 18, 2020



Photo 408: Alder Tank Liquids Treatment System: August 18, 2020



Photo 409: Alder Tank Liquids Treatment System: August 18, 2020



Photo 410: Alder Tank Liquids Treatment System: September 17, 2020



Photo 411: Alder Tank Liquids Treatment System: September 17, 2020



Photo 412: Alder Tank Liquids Treatment System: September 17, 2020



Photo 413: Alder Tank Liquids Treatment System: September 17, 2020



Photo 414: County Sage Mitigation Area and Westside Drainage Channels: July 22, 2020



Photo 415: County Sage Mitigation Area and Westside Drainage Channels: July 22, 2020



Photo 416: County Sage Mitigation Area and Westside Drainage Channels: July 22, 2020



Photo 417: County Sage Mitigation Area and Westside Drainage Channels: July 22, 2020



Photo 418: County Sage Mitigation Area and Westside Drainage Channels: July 22, 2020



Photo 419: County Sage Mitigation Area and Westside Drainage Channels: July 22, 2020



Photo 420: County Sage Mitigation Area and Westside Drainage Channels: July 22, 2020



Photo 421: County Sage Mitigation Area and Westside Drainage Channels: July 22, 2020



Photo 422: County Sage Mitigation Area and Westside Drainage Channels: July 22, 2020



Photo 423: County Sage Mitigation Area and Westside Drainage Channels: July 22, 2020



Photo 424: County Sage Mitigation Area and Westside Drainage Channels: July 22, 2020



Photo 425: County Sage Mitigation Area and Westside Drainage Channels: July 22, 2020



Photo 426: County Sage Mitigation Area and Westside Drainage Channels: July 22, 2020



Photo 427: County Sage Mitigation Area and Westside Drainage Channels: August 18, 2020



Photo 428: County Sage Mitigation Area and Westside Drainage Channels: August 18, 2020



Photo 429: County Sage Mitigation Area and Westside Drainage Channels: August 18, 2020



Photo 430: County Sage Mitigation Area and Westside Drainage Channels: August 18, 2020



Photo 431: County Sage Mitigation Area and Westside Drainage Channels: August 18, 2020



Photo 432: County Sage Mitigation Area and Westside Drainage Channels: September 17, 2020



Photo 433: County Sage Mitigation Area and Westside Drainage Channels: September 17, 2020



Photo 434: County Sage Mitigation Area and Westside Drainage Channels: September 17, 2020



Photo 435: County Sage Mitigation Area and Westside Drainage Channels: September 17, 2020



Photo 436: County Sage Mitigation Area and Westside Drainage Channels: September 17, 2020



Photo 437: County Sage Mitigation Area and Westside Drainage Channels: September 17, 2020



Photo 438: County Sage Mitigation Area and Westside Drainage Channels: September 17, 2020



Photo 439: Basin D: July 22, 2020



Photo 440: Basin D: July 22, 2020



Photo 441: Basin D: August 18, 2020



Photo 442: Basin D: August 18, 2020



Photo 443: Basin D: September 17, 2020



Photo 444: Basin D: September 17, 2020



Photo 445: Basin D: September 17, 2020



Photo 446: Basin D Material Storage Area: July 22, 2020



Photo 447: Basin D Material Storage Area: July 22, 2020



Photo 448: Basin D Material Storage Area: July 22, 2020



Photo 449: Basin D Material Storage Area: July 22, 2020



Photo 450: Basin D Material Storage Area: July 22, 2020



Photo 451: Basin D Material Storage Area: August 18, 2020



Photo 452: Basin D Material Storage Area: August 18, 2020



Photo 453: Basin D Material Storage Area: September 17, 2020



Photo 454: Basin D Material Storage Area: September 17, 2020



Photo 455: Flares 9,10, 11 and Gas-to-Energy Facility: July 22, 2020



Photo 456: Flares 9,10, 11 and Gas-to-Energy Facility: July 22, 2020



Photo 457: Flares 9,10, 11 and Gas-to-Energy Facility: July 22, 2020



Photo 458: Flares 9,10, 11 and Gas-to-Energy Facility: July 22, 2020



Photo 459: Flares 9,10, 11 and Gas-to-Energy Facility: July 22, 2020



Photo 460: Flares 9,10, 11 and Gas-to-Energy Facility: July 22, 2020



Photo 461: Flares 9,10, 11 and Gas-to-Energy Facility: August 18, 2020



Photo 462: Flares 9,10, 11 and Gas-to-Energy Facility: August 18, 2020



Photo 463: Flares 9,10, 11 and Gas-to-Energy Facility: August 18, 2020



Photo 464: Flares 9,10, 11 and Gas-to-Energy Facility: August 18, 2020



Photo 465: Flares 9,10, 11 and Gas-to-Energy Facility: August 18, 2020



Photo 466: Flares 9,10, 11 and Gas-to-Energy Facility: August 18, 2020



Photo 467: Flares 9,10, 11 and Gas-to-Energy Facility: August 18, 2020



Photo 468: Flares 9,10, 11 and Gas-to-Energy Facility: September 17, 2020



Photo 469: Flares 9,10, 11 and Gas-to-Energy Facility: September 17, 2020



Photo 470: Flares 9,10, 11 and Gas-to-Energy Facility: September 17, 2020



Photo 471: Flares 9,10, 11 and Gas-to-Energy Facility: September 17, 2020



Photo 472: County Top Deck: July 22, 2020



Photo 473: County Top Deck: July 22, 2020



Photo 474: County Top Deck: July 22, 2020



Photo 475: County Top Deck: July 22, 2020



Photo 476: County Top Deck: July 22, 2020



Photo 477: County Top Deck: September 17, 2020



Photo 478: County Top Deck: September 17, 2020



Photo 479: North Access Road: July 22, 2020



Photo 480: North Access Road: August 18, 2020



Photo 481: Basin B: July 22, 2020



Photo 482: Basin B: July 22, 2020



Photo 483: Basin B: July 22, 2020



Photo 484: Basin B: July 22, 2020



Photo 485: Basin B: July 22, 2020



Photo 486: Basin B: July 22, 2020



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Photo 489: Basin B: July 22, 2020



Photo 490: Basin B: July 22, 2020



Photo 491: Basin B: August 18, 2020



Photo 492: Basin B: August 18, 2020



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Photo 497: Basin B: August 18, 2020



Photo 498: Basin B: September 17, 2020



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Photo 500: Basin B: September 17, 2020



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Photo 502: Basin B: September 17, 2020



Photo 503: Basin B: September 17, 2020



Photo 504: Basin B: September 17, 2020



Photo 505: Basin B: September 17, 2020



Photo 506: Basin B: September 17, 2020



Photo 507: Eastside Drainage Channel: July 22, 2020



Photo 508: Eastside Drainage Channel: July 22, 2020



Photo 509: Eastside Drainage Channel: July 22, 2020



Photo 510: Eastside Drainage Channel: July 22, 2020



Photo 511: Eastside Drainage Channel: July 22, 2020



Photo 512: Eastside Drainage Channel: July 22, 2020



Photo 513: Eastside Drainage Channel: July 22, 2020



Photo 514: Eastside Drainage Channel: July 22, 2020



Photo 515: Eastside Drainage Channel: July 22, 2020



Photo 516: Eastside Drainage Channel: August 18, 2020



Photo 517: Eastside Drainage Channel: August 18, 2020



Photo 518: Eastside Drainage Channel: August 18, 2020



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Photo 525: Eastside Drainage Channel: August 18, 2020



Photo 526: Eastside Drainage Channel: August 18, 2020



Photo 527: Eastside Drainage Channel: September 17, 2020



Photo 528: Eastside Drainage Channel: September 17, 2020



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Photo 538: Eastside Drainage Channel: September 17, 2020



Photo 539: Eastside Drainage Channel: September 17, 2020



Photo 540: Eastside Drainage Channel: September 17, 2020



Photo 541: Terminal Basin: July 22, 2020



Photo 542: Terminal Basin: July 22, 2020



Photo 543: Terminal Basin: July 22, 2020



Photo 544: Terminal Basin: July 22, 2020



Photo 545: Terminal Basin: July 22, 2020



Photo 546: Terminal Basin: July 22, 2020



Photo 547: Terminal Basin: July 22, 2020



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Photo 550: Terminal Basin: July 22, 2020



Photo 551: Terminal Basin: July 22, 2020



Photo 552: Terminal Basin: July 22, 2020



Photo 553: Terminal Basin: July 22, 2020



Photo 554: Terminal Basin: July 22, 2020



Photo 555: Terminal Basin: July 22, 2020



Photo 556: Terminal Basin: July 22, 2020



Photo 557: Terminal Basin: July 22, 2020



Photo 558: Terminal Basin: July 22, 2020



Photo 559: Terminal Basin: August 18, 2020



Photo 560: Terminal Basin: August 18, 2020



Photo 561: Terminal Basin: August 18, 2020



Photo 562: Terminal Basin: August 18, 2020



Photo 563: Terminal Basin: August 18, 2020



Photo 564: Terminal Basin: August 18, 2020



Photo 565: Terminal Basin: August 18, 2020



Photo 566: Terminal Basin: August 18, 2020



Photo 567: Terminal Basin: August 18, 2020



Photo 568: Terminal Basin: September 17, 2020



Photo 569: Terminal Basin: September 17, 2020



Photo 570: Terminal Basin: September 17, 2020



Photo 571: Terminal Basin: September 17, 2020



Photo 572: Terminal Basin: September 17, 2020



Photo 573: Terminal Basin: September 17, 2020



Photo 574: Terminal Basin: September 17, 2020



Photo 575: Terminal Basin: September 17, 2020



Photo 576: Terminal Basin: September 17, 2020



Photo 577: Terminal Basin: September 17, 2020



Photo 578: Terminal Basin: September 17, 2020



Photo 579: Terminal Basin: September 17, 2020



Photo 580: Terminal Basin: September 17, 2020



Photo 581: Terminal Basin: September 17, 2020



Photo 582: Terminal Basin: September 17, 2020



Photo 583: Terminal Basin: September 17, 2020



Photo 584: Terminal Basin: September 17, 2020



Photo 585: Sage Mitigation, Deck C: July 22, 2020



Photo 586: Sage Mitigation, Deck C: July 22, 2020



Photo 587: Sage Mitigation, Deck C: July 22, 2020



Photo 588: Sage Mitigation, Deck C: July 22, 2020



Photo 589: Sage Mitigation, Deck C: July 22, 2020



Photo 590: Sage Mitigation, Deck C: August 18, 2020



Photo 591: Sage Mitigation, Deck C: August 18, 2020



Photo 592: Sage Mitigation, Deck C: August 18, 2020



Photo 593: Sage Mitigation, Deck C: August 18, 2020



Photo 594: Sage Mitigation, Deck C: August 18, 2020



Photo 595: Sage Mitigation, Deck C: August 18, 2020



Photo 596: Sage Mitigation, Deck C: August 18, 2020



Photo 597: Sage Mitigation, Deck C: August 18, 2020



Photo 598: Sage Mitigation, Deck C: August 18, 2020



Photo 599: Sage Mitigation, Deck C: August 18, 2020



Photo 600: General Site: July 22, 2020



Photo 601: General Site: July 22, 2020



Photo 602: General Site: July 22, 2020

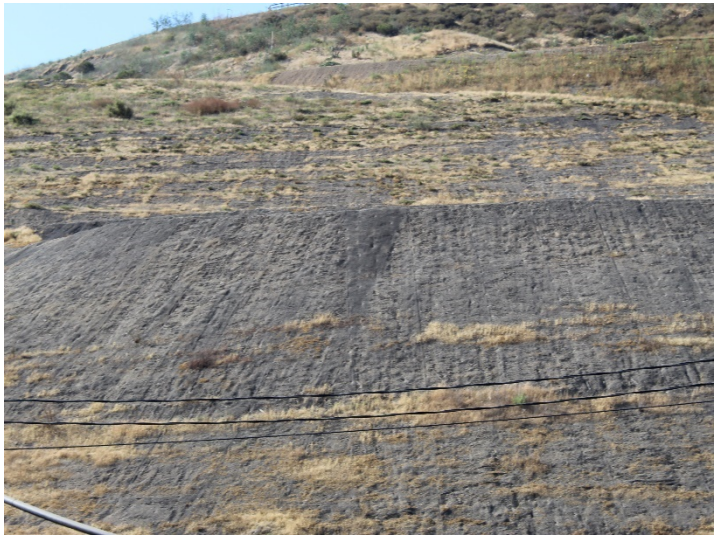

Photo 603: General Site: July 22, 2020



Photo 604: General Site: July 22, 2020



Photo 605: General Site: July 22, 2020



Photo 606: General Site: July 22, 2020



Photo 607: General Site: July 22, 2020



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Photo 612: General Site: July 22, 2020



Photo 613: General Site: July 22, 2020



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Photo 617: General Site: July 22, 2020



Photo 618: General Site: July 22, 2020



Photo 619: General Site: July 22, 2020



Photo 620: General Site: July 22, 2020



Photo 621: General Site: July 22, 2020



Photo 622: General Site: July 22, 2020



Photo 623: General Site: July 22, 2020



Photo 624: General Site: July 22, 2020



Photo 625: General Site: July 22, 2020



Photo 626: General Site: July 22, 2020



Photo 627: General Site: July 22, 2020



Photo 628: General Site: July 22, 2020



Photo 629: General Site: July 22, 2020



Photo 630: General Site: July 22, 2020



Photo 631: General Site: July 22, 2020



Photo 632: General Site: July 22, 2020



Photo 633: General Site: July 22, 2020



Photo 634: General Site: July 22, 2020



Photo 635: General Site: July 22, 2020



Photo 636: General Site: July 22, 2020



Photo 637: General Site: July 22, 2020



Photo 638: General Site: July 22, 2020



Photo 639: General Site: July 22, 2020



Photo 640: General Site: July 22, 2020



Photo 641: General Site: July 22, 2020



Photo 642: General Site: July 22, 2020



Photo 643: General Site: July 22, 2020



Photo 644: General Site: July 22, 2020



Photo 645: General Site: July 22, 2020



Photo 646: General Site: July 22, 2020



Photo 647: General Site: July 22, 2020



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Photo 649: General Site: July 22, 2020



Photo 650: General Site: July 22, 2020



Photo 651: General Site: July 22, 2020



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Photo 653: General Site: July 22, 2020



Photo 654: General Site: July 22, 2020



Photo 655: General Site: July 22, 2020



Photo 656: General Site: July 22, 2020



Photo 657: General Site: August 18, 2020



Photo 658: General Site: August 18, 2020



Photo 659: General Site: August 18, 2020



Photo 660: General Site: August 18, 2020



Photo 661: General Site: August 18, 2020



Photo 662: General Site: August 18, 2020



Photo 663: General Site: August 18, 2020



Photo 664: General Site: August 18, 2020



Photo 665: General Site: August 18, 2020



Photo 666: General Site: August 18, 2020



Photo 667: General Site: August 18, 2020



Photo 668: General Site: August 18, 2020



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Photo 674: General Site: August 18, 2020



Photo 675: General Site: August 18, 2020



Photo 676: General Site: August 18, 2020



Photo 677: General Site: August 18, 2020



Photo 678: General Site: August 18, 2020



Photo 679: General Site: August 18, 2020



Photo 680: General Site: August 18, 2020



Photo 681: General Site: August 18, 2020



Photo 682: General Site: August 18, 2020



Photo 683: General Site: August 18, 2020



Photo 684: General Site: August 18, 2020



Photo 685: General Site: August 18, 2020



Photo 686: General Site: August 18, 2020



Photo 687: General Site: August 18, 2020



Photo 688: General Site: August 18, 2020



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Photo 690: General Site: August 18, 2020



Photo 691: General Site: August 18, 2020



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Photo 697: General Site: August 18, 2020



Photo 698: General Site: August 18, 2020



Photo 699: General Site: September 17, 2020



Photo 700: General Site: September 17, 2020



Photo 701: General Site: September 17, 2020



Photo 702: General Site: September 17, 2020



Photo 703: General Site: September 17, 2020



Photo 704: General Site: September 17, 2020



Photo 705: General Site: September 17, 2020



Photo 706: General Site: September 17, 2020



Photo 707: General Site: September 17, 2020



Photo 708: General Site: September 17, 2020



Photo 709: General Site: September 17, 2020



Photo 710: General Site: September 17, 2020



Photo 711: General Site: September 17, 2020



Photo 712: General Site: September 17, 2020



Photo 713: General Site: September 17, 2020



Photo 714: General Site: September 17, 2020



Photo 715: General Site: September 17, 2020

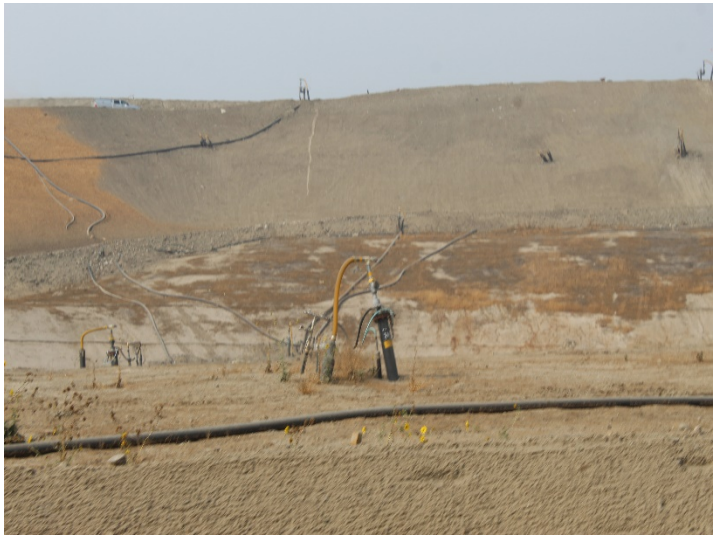

Photo 716: General Site: September 17, 2020



Photo 717: General Site: September 17, 2020



Photo 718: General Site: September 17, 2020



Photo 719: General Site: September 17, 2020



Photo 720: General Site: September 17, 2020



Photo 721: General Site: September 17, 2020



Photo 722: General Site: September 17, 2020



Photo 723: General Site: September 17, 2020



Photo 724: General Site: September 17, 2020



Photo 725: General Site: September 17, 2020



Photo 726: General Site: September 17, 2020

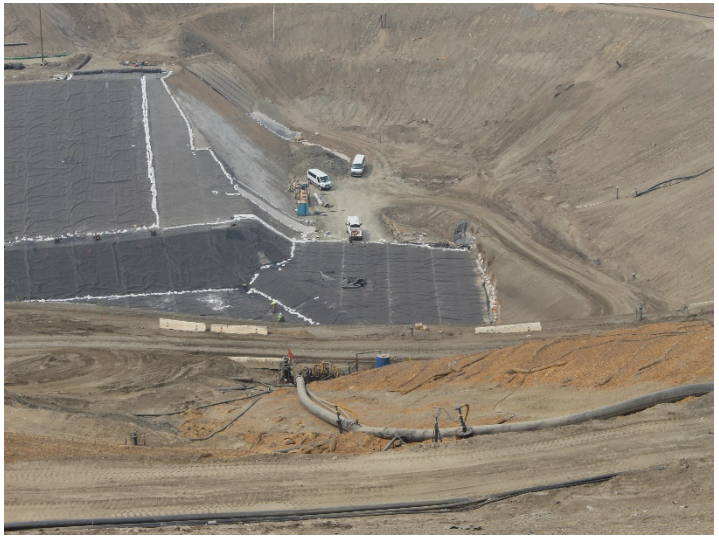

Photo 727: General Site: September 17, 2020



Photo 728: General Site: September 17, 2020



Photo 729: General Site: September 17, 2020



Photo 730: General Site: September 17, 2020



Photo 731: General Site: September 17, 2020



Photo 732: General Site: September 17, 2020



Photo 733: General Site: September 17, 2020



Photo 734: General Site: September 17, 2020



Photo 735: General Site: September 17, 2020



Photo 736: General Site: September 17, 2020



Photo 737: General Site: September 17, 2020



Photo 738: General Site: September 17, 2020



Photo 739: General Site: September 17, 2020



Photo 740: General Site: September 17, 2020



Photo 741: General Site: September 17, 2020



Photo 742: General Site: September 17, 2020

UltraSystems
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Sunshine Canyon Landfill
Site Monitoring Procedures for July, August, and September 2020

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 July through September 2020; continue practicing physical distancing; and wearing a cloth 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 locations
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. A brief after-monitoring conference call will follow after reviewing the photos.

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

Appendix II

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

July 2020

UltraSystems
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Sunshine Canyon Landfill Meeting Log
July 22, 2020 Site Visit
July 29, 2020 Site Monitoring Conference Call

Site Visit performed by Mike Lindsay (UltraSystems).
Remote site monitoring conference call with Chris Coyle, Joshua Mills, Dennis Montano and Bill Carr (Republic).

Participants:

Edgar De La Torre, LACDRP
Diana Gonzalez, LACDRP
Vu Truong, LACDPW
Dave Thompson, LA City LEA
James Aidukas, UltraSystems
Mike Lindsay, UltraSystems
Tarik Hadj-Hamou, SLR

Discussion:

To follow CDC guidelines for COVID-19 health protocols, UltraSystems sent a single person to perform a site visit to photograph site conditions and record site observations of the landfill. After reviewing the photos and observation record, a post-site visit conference call was held to discuss Sunshine Canyon Landfill operations and the status of construction, maintenance and compliance for the month of July. We asked questions regarding health measures, site operations, weather impacts, landfill gas and liquids control, construction activities and mitigation measures status. We received comments and updates from Republic staff as follows:

<u>Mike Lindsay's Site Visit Observations</u>

a. James Aidukas stated that it was observed in the Cell CC-4 Part 4A development area that seeps coming from the west slopes were causing ponding of water on the cell floor. He asked what development procedures are planned (Photos 6659, 6660, 6662, 6677, 6785–6787, 6898–6904).
    - Chris Coyle stated that the west slope that is being excavated is a soil stockpile that had hydraugers installed to capture those seeps and springs before the stockpile was made. The locations of the hydraugers were known and the water ponding lasted a few days until the new recovery piping was installed. This is part of the subdrain system.

b. James Aidukas stated that there was a 10-to-12-inch HDPE pipe that was severed and releasing iron oxide-colored water in the area where the puddling was observed. He asked what the piping was.
    - Chris Coyle stated that the HDPE pipe was part of the hydrauger collection and transfer to sewer system. John Mills stated that the specific location where the pipe was cut is where a liquid transfer pump was located. He also mentioned that all of the hydrauger locations and transfer piping systems are recorded and are part of the permanent underdrain system.

c. James Aidukas stated that it was observed that a check-valve was leaking liquids into a five-gallon bucket at the Alder tank landfill liquids handling facility (Photo 6705).
    - Chris Coyle stated that the valve was leaking, and maintenance was performed but did not fully stop the leak. Valve repair parts have been ordered and the valve will be serviced when parts are received.

d. James Aidukas stated that the new office area was observed and asked when the area will be completed and if the parking area will be paved (Photos 6694–6699).
    - Chris Coyle stated that the parking area will not be paved but it will be improved with two inches of road subbase, covered with soil and an emulsion, and hard packed similar to the old location. All facilities that will be moved in 2020 are in place. The maintenance and LEA office buildings will be moved in 2021.

e. James Aidukas stated that the new scale area was observed and asked if the road into and out of the scales will be paved (Photos 6708–6712, 6715, 6716).
    - Chris Coyle stated that everything is paved to the scales with concrete ramps onto and off of the scales. There is another three feet or so of paving beyond the concrete offramp and then the road becomes a landfill road with approximately two feet of crushed, recycled asphalt with two inches of road base as the top layer.

f. James Aidukas stated the eastside drainage channel was observed and besides the normal removal of sediment and debris by October, there are areas of the channel that need maintenance and vegetation removed from the concrete cracks. The channel has a broken sidewall near Basin B from electric pole construction activity. Basin B has sediment with vegetation and debris in the eastern back areas and vegetation is growing out of cracks in the high-flow spillway (Photos 6718, 6720, 6725, 6730, 6731, 6736, 6737, 6747, 6726–6729, 6732–6734, 6736, 6737).
    - Chris Coyle stated that they started the removal of vegetation from the concrete at the terminal basin. They will be doing this type of work with the landfill staff. They have just had their storm water control consultant at the site and he will be preparing a storm water control plan and a maintenance plan for the rainwater runoff control systems. All sediment removal and maintenance will be done by October 1 in all channels and basins.

g. James Aidukas stated that the CC-3A top deck was observed and asked if the deck had soil moved in and if the deck was graded. He also asked what the top deck elevation was (Photo 6760).
    - Chris Coyle stated that what is shown in the photo is a scraper road used for mass excavation. This is a temporary structure. The area has not been surveyed recently and the current elevation is not known. There is more than 60 feet that will be filled on the top deck. For stability concerns, other areas will be filled before adding more on this top deck.

h. James Aidukas asked if the road on the Old City South Deck had been filled with soil and graded (Photo 6765).
    - Chris Coyle stated that Sukut maintains that road for construction vehicle access. No landfill development activity is being done in this area.

i. James Aidukas stated that it was observed that some of the PM-10 oak trees appear to be dead from fire damage during the Saddleridge fire. He asked if an oak tree survey was performed and a schedule for any replacement developed (Photos 6813, 6814).
   - Chris Coyle stated that JMA evaluated all the mitigation vegetation and trees damaged by the fire and advised Republic to leave everything alone for two-to-three years. Chris also stated that there has to be a limit on how long Republic has to replace trees damaged by fire.
   - James Aidukas stated that the only trees without a replacement time limit are the PM-10 trees because they are there as a mitigation to reduce dust and other PM-10 from the site.

j. James Aidukas stated that Basin A was observed to have stagnant water along with wet sediment and debris, and that mosquito season is upon us. What is the sediment and water removal schedule (Photos 6846–6854)?
   - Chris Coyle stated that they have moved some soil out and are spreading the remaining sediment. The basin is now free of stagnant water. They are making progress on sediment removal and the basin should be clean in a couple of weeks.

k. James Aidukas stated that it was observed that the standing water in the terminal basin was being pumped into a temporary earthen pond for removal by vacuum truck. What is the current status of water removal and drying the sediment (Photos 6912–6923, 6925–6929)?
   - Chris Coyle stated that was what they were doing and that it is now free of standing water. The sediment is being moved to dry it, and dry material has been trucked out of the basin. It will be cleaned before October.

l. James Aidukas stated that on the floor of the terminal basin there appears to be an area that might be an equipment oil spill that should be investigated (Photo 6914).
   - Chris Coyle stated that they will investigate the area and do any necessary clean-up. In the future, he asked that they be notified immediately so that they can perform a quick clean-up if necessary.
   - Mike Lindsay stated that the potential spill was not noticed until post-site visit photo review.

m. James Aidukas stated that numerous bottom dump trucks were observed coming into the site and asked what they were hauling.
   - Chris Coyle stated that they were hauling clay and clean soil. They imported approximately 19,000 tons of clay for the liner last week. He stated that when clean soil is available, they bring it in and stockpile it for the construction of the final toe berm.

n. James Aidukas asked if there was any update on the Chatsworth Wetlands Mitigation, and if the Corps of Engineers and the Department of Fish and Wildlife issued extension letters.
   - Chris Coyle stated that the City has not recently made any progress on the ordinance. The City is the lead on adopting an ordinance. He stated that Republic has the funds budgeted and is ready to proceed. The extension letters from the Corps and Fish and Wildlife have not been received.

o. Mike Lindsay stated that he observed graffiti on the terminal basin's side of the entrance block wall.

- Chris Coyle stated that they painted over graffiti at that location just three weeks ago. They will get the new graffiti painted over.

p. Mike Lindsay stated that two large boulders were observed against the fence on the San Fernando Road retaining wall. These had fallen from the mid-point of the slope and additional boulders were seen hanging onto the slope. This poses a hazard to the County road.
   - Chris Coyle stated that he would pursue having a falling rock sign installed and notify County road maintenance of the condition.

q. Mike Lindsay stated that he drove the Rancho Cascades and Granada Hills neighborhoods and no landfill odors were detected.
   - Chris Coyle acknowledge the statement.

r. Mike Lindsay asked if the current cell development was called CC-4 Part 4 or CC-4 Part 4A.
   - Chris Coyle stated that it was Part 4A. The next cell will be where the maintenance yard and offices were and that will be Part 4B.

s. Mike Lindsay stated that a paleontologist was observed on site for the CC-4 Part 4A grading in any native soil area. Most of CC-4 Part 4A grading was in a previous soil stockpile area.
   - Chris Coyle acknowledge the statement.

t. Mike Lindsay stated that there were no odors at the Adler liquids handling facility, and that water misters were in place and operating at Cell CC-4 Part 3 and the City South landfill PM-10 berm. He said that Water Buffalo misters were operating at the maintenance area. CC-4 Part 3 was accepting waste with no operational concerns noted. Inoperable vehicles and waste tires were observed being stored in the Basin D storage area.
   - Chris Coyle stated that two vehicles are being disposed of along with the farm fans and two light plants.

u. Mike Lindsay stated that 20,404 SCFM of landfill gas was being recovered with 9016 SCFM being used at the gas-to-energy plant. James Aidukas asked if Republic was planning an expansion or new type of facility for the excess gas.
   - Chris Coyle stated that different options for the excess recovered gas are being investigated by Republic.

v. James Aidukas asked what is the schedule completion for Cell CC-4 Part 4A.
   - Chris Coyle stated it was September.

w. James Aidukas asked if there were any NOVs in July.
   - Chris Coyle stated there were none.

x. Edgar De La Torre asked if there were any complaints about offsite light impacts from the new office and scale facilities. He stated that on the way to another job site, going north on the I-210, the Sunshine Canyon Landfill lights were visible from that distance. He stated that his comment was a heads-up on what they saw, and not to make a determination of offsite impacts, however.
   - Chris Coyle stated that there were no complaints, and that the lights are directional LEDs facing downward to the ground, and that light and glare should not be a

problem. The lights are now on photocell on-off. All lights except for those at the scales will be put on timers.

The site monitoring conference call was then ended.

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Sunshine Canyon Landfill
July 22, 2020 Site Monitoring
Conference Call Discussion Items

Site Visit Participants

Mike Lindsay, UltraSystems – separate vehicle
Tarik Hadj-Hamou, SLR – separate vehicle
Edgar De La Torre and Diana Gonzalez, LACDPW – separate vehicle

Discussion Topics After Reviewing Site Visit Photos

1. (Photos 6659, 6660, 6643, 6662, 6676, 6677, 6785, 6786, 6787, 6898-6904) Observed hillside seeps causing ponding of water in Cell CC-4 Part 4 construction at the area where the old CC-4 Part 3 basin was located.
    a.) Have all the seeps been located?
    b.) When will collection systems be installed?

2. (Photos 6906, 6907, 6908, 6635, 6663, 6664, 6651) Liquids source and wet slopes were observed.
    a.) Liquid coming from a buried severed pipe appeared to be causing ponding on the CC-4 Part 4 cell construction floorarea. What is the liquids source?
    b.) Is water seeping from the Old City South area?

3. (Photo 6694) The lined berm was observed.
    a.) Is this the spill prevention berm for the liquids handling Alder Tank system?
    b.) Is there a low-point collection area and are pumps available?

4. (Photo 6702) A check valve leaking liquids at the Adler Tank liquids handling facility was observed.
    a.) What is leaking into the 5-gallon bucket?
    b.) Has a replacement valve been ordered?

5. (Photos 6694 - 6699) The new office area was observed.
    a.) When will the new office area be completed?
    b.) Will the parking area be paved or covered with treated compacted soil?

6. (Photos 6708 – 6712, 6715, 6716) The new scale area was observed.
    a.) Will the road in and out of the scales be paved?
    b.) If they will, what is the schedule?

7. (Photos 6718, 6720, 6724, 6725, 6730, 6731, 6736, 6737) The eastside drainage channel has vegetation growing out of concrete cracks.
    a.) What is the schedule for removing the vegetation out of the concrete?

8. (Photo 6947) The eastside drainage channel has a broken concrete sidewall.
    a.) Is the schedule for repair before October?

9. (Photos 6726 – 6729, 6732, 6733, 6734, 6736, 6737) Basin B is dry with sediment and vegetation growing and debris in the eastern back areas. Vegetation is growing out of concrete cracks in the high-flow spillway.
    a.) Is removal of the vegetation from the concrete spillway scheduled?

10. (Photo 6760) Cell CC-3A top deck was observed.
    a.) What is the elevation at this area?

11. (Photo 6765) The Old City South Deck B was observed.
    a.) Has this area been filled and graded?

12. (Photos 6813, 6814) The PM-10 Oak trees were observed.
    a.) Has a survey of oak trees damaged by the fire been performed and a schedule for replacement developed?

13. (Photos 6846 - 6854) Basin A was observed to have stagnant water in it along with debris.
    a.) What is the plan to dry up the sediment and remove debris?

14. (Photos 6912 – 6923, 6925 - 6929) The terminal basin has ponding water and wet sediment. Vegetation is growing out of concrete cracks in the basin.
    a.) What is the schedule for removing the vegetation from the concrete cracks?

15. (Photo 6914) The terminal basin was observed.
    b.) Is this an oil spill on the basin floor?

16. (Photos 6629, 6630) Numerous belly dump trucks were observed onsite.
    a.) How many are bringing in clay material and how many are bringing in clean beneficial soil?

<u>Site Conditions Observed by Mike Lindsay</u>

1. No odors were detected off-site at the Rancho Cascades or Granada Hills neighborhoods.
2. Cell CC-4 Part 4 is under construction with survey crews and a paleontologist observed.
3. There were no odors at the Adler liquids handling facilities.
4. Water misters were in place and operating at Cell CC-4 Part 3 and the City South landfill PM-10 berm. Water Buffalo misters were operating at the maintenance area.
5. CC-4 Part 3 was accepting waste with no operational concerns observed.
6. Inoperable vehicles and waste tires are being stored in the Basin D area storage yard. (Photos 6880 and 6683.)
7. The total amount of gas being recovered was 20,404 SCFM with 9016 being used for power generation.


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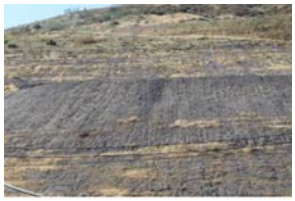
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SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT

Monitor: Mike Lindsay	Page: 1 of 2
Discipline: Environmental Engineer	Date: 07-22-2020 Wednesday
Site Conditions: Clear, 62–87 °F, 3–12 mph, 69% RH	

SITE LOG

1. No odors are present at the Rancho Cascades neighborhood.
2. The new admin lighting poles are not visible from the Rancho Cascades neighborhood.
3. Checked into office via phone text with Chris Coyle (Republic Services).
4. Tarik Hadj-Hamou (SLR), Edgar De La Torre and Diana Gonzales (LACDRP) followed me in separate vehicles to site locations.
5. Traffic spotters are onsite to control traffic.
6. Cell CC-4 Part 3 working area is in good order, including four tippers, traffic controllers and water trucks and misters for odor and dust control.
7. Monitor observed 22 double-bottomed dump trucks importing soil from 8:00 to 8:45 am.
8. Cell CC-4 Part 4 excavation work continues, with many scrapers and dump trucks circling through to remove soil. Native, undisturbed soil is being excavated with rippers and bulldozers. A survey team is taking measurements.
9. A paleontological monitor was observed near the undisturbed soil excavation.
10. Two trenches have been made from top to bottom of Cell CC-4 Part 4 western slopes.
11. Liquid seeps appear to be draining down the western slopes into Cell CC-4 Part 4.
12. Crews are working on a liquid discharge from a black ten-inch pipe at the bottom of the newly-excavated Cell CC-4 Part 4. An orange-colored liquid is flowing from the pipe at about 50 gallons per minute, causing mud and standing liquids.
13. Admin facilities continue to be constructed.
14. The tank farm has no odors present.
15. A five-gallon bucket is collecting a dark liquid that is dripping from a piping pressure regulator that is part of the tank farm system.
16. The new scales are in good order.
17. The eastside drainage is in good order.
18. Sediment basin B is dry and in good order. Some wind-blown trash is present at the basin's perimeter.
19. A new drainage pipe with inlet filter cap has been installed to drain surface water from the CC-3A north slopes (basin B bowl area), under the haul road and into the eastside drainage channel.
20. A strong landfill gas odor is present by well CTC-625.
21. Observed Cell CC-4 Part 4 excavation work from the high eastside haul road.
22. Straw wattles and hydroseeding has been placed on the east slopes above Cell CC-4 Part 4 for erosion control.
23. Closure turf at the City north slopes is in good order.
24. City deck C sage mitigation area is in good order, with tall yellow-flowering plants across the deck.
25. City deck B sage mitigation area continues to recover, with grasses and flowering plants throughout.
26. Water misters are active along the PM-10 berm.
27. Most of the mitigation oak trees along the PM-10 berm are doing well, but several at the west-end have died.
28. Flare 1 is operating at 2700 scfm, 1645 °F. Gas sample measured at 31 % Vol. CH_4, 1.8 % Vol. O_2, 100 ppm H_2S and 229 ppm CO. Gas inlet temperature is 134 °F.

29. Water buffalo misters are operational along the southwest bench road above the maintenance yard.
30. Observed overall operations from observation deck, including Cell CC-4 Part 4 construction.
31. The ADC at Cell CC-4 Part 3 is 70% covered with new trash at 11:10 am.
32. Flare 3 is offline.
33. Wind-blown trash and debris have collected in a natural drainage below Flare 3, south of sediment basin A along the access road.
34. Sediment basin A has some standing water, with sediment pushed up unto piles for drying.
35. Windblown trash has collected throughout sediment basin A.
36. The westside drainage channel is clear and in good order.
37. The County sage mitigation slopes are in good order, with some areas growing well, and others bare soil.
38. The storage yard is in good order, with three vehicles, used tires and a mattress being stored.
39. Sediment basin D is in good order.
40. Street sweepers are cleaning the haul roads.
41. Flare 9 is operating at 2947 scfm, 1643 °F. Gas sample measured at 42 % Vol. CH4, 1.6 % Vol. O2, 88 ppm H2S and 316 ppm CO. Gas inlet temperature is 138 °F. Blowers 1, 2, 3, 4, 5 and 6 are operating.
42. Flare 10 is operating at 2855 scfm, 1653 °F.
43. Flare 11 is operating at 2886 scfm, 1657 °F. Gas inlet temperature is 136 °F.
44. Sunshine Gas Producers flow rate is at 9016 scfm.
45. A localized gas odor is present at the lower output flange of blower six (the new blower to the far west side of blower pad).
46. Water trucks are applying water to site for dust control.
47. The secondary access road is in good order, with the perimeter gate closed and locked.
48. Terminal basin is in good order, with some standing water remaining. Skimmers are not in operation. Trash and debris have collected at riser drains and throughout basin, to be cleaned when basin dries out. Sediment has been placed into large piles for drying. Workers are placing a water sump pump to remove standing water. Vegetation has been removed along the concrete perimeter wall.
49. The terminal basin outlet channel has debris collected along the west outside perimeter wall.
50. A crew is performing work at a perimeter monitoring well near the landfill entrance gate on the terminal basin side.
51. Checked out of office via phone text with Chris Coyle.

FURTHER REVIEW NEEDED

1. Control seeps near CC-4 Part 4.
2. Control liquid discharge at bottom of CC-4 Part 4.
3. Repair liquid leak at tank farm piping.
4. Remove wind-blown trash and debris from natural drainage south of basin A.
5. Eliminate gas odor at well CTC-625.
6. Repair gas leak at blower six output flange.
7. Remove trash and debris from the terminal basin outlet channel west outside perimeter wall.

Signed: Michael W. Lindsay

August 2020

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Sunshine Canyon Landfill Meeting Log
August 18, 2020 Site Visit
September 8, 2020 Site Monitoring Conference Call

Site Visit performed by Mike Lindsay (UltraSystems).
Remote site monitoring conference call with Joshua Mills, Tuong-phu Ngo, Bill Carr and Valerie Moore (Republic).

Participants:
Edgar De La Torre, LACDRP
Diana Gonzalez, LACDRP
James Aidukas, UltraSystems
Mike Lindsay, UltraSystems

Site Visit Observations Discussion:

To follow CDC guidelines for COVID-19 health protocols, UltraSystems sent a single person to perform a site visit to photograph site conditions and record site observations of the landfill. After reviewing the photos and observation record, a post-site visit conference call was held to discuss Sunshine Canyon Landfill operations and the status of construction, maintenance and compliance for the month of July. We asked questions regarding health measures, site operations, weather impacts, landfill gas and liquids control, construction activities and mitigation measures status. We received comments and updates from Republic staff as follows:

a. James Aidukas stated that he observed no operational concerns (Photos 7493–7496, 7501–7510, 7535–7539, 7543–7545, 7548–7552, 7663–7673).
   - Joshua Mills acknowledged the statement.

b. James Aidukas asked how they were they planning to connect the existing liner when there are roads in between the liners? Is the liner seen in the photos the existing CC-3A liner? (Photos 7540 and 7546)
   - Joshua Mills stated that the liner seen in the photos was a temporary construction liner placed to control and remove any odorous gas. It is an HDPE liner with a drain tube welded in it to provide a vacuum source to remove any gaseous odors.

c. James Aidukas asked how and when will they remove the temporary liner system?
   - Joshua Mills stated they will remove it from the bottom as they incrementally fill Cell CC-4 Part 4A.

d. Mike Lindsay asked where the permanent liner was located?
   - Joshua Mills stated that the permanent liner is on the bottom of the waste, and the temporary liner is on top of the waste. The existing liner is connected to the new liner in Cell CC-4 Part 4A.

e. James Aidukas asked if Cell CC-4 Part A has been approved by RWQCB to accept waste?
   - Joshua Mills stated that they are still in the construction phase and anticipate obtaining RWQCB approval in mid-September.

f. James Aidukas asked if they will be able to control the dust generation from Cell CC-4 Part 3A during the upcoming high wind season?
   - Joshua Mills stated that they are ready for high wind conditions and have dust abatement measures they will employ, including using extra water trucks.

g. James Aidukas asked if Basin A will be cleared of sediment and ready for rain events by October 1, 2020? (Photos 7535, 7536)
   - Joshua Mills stated that it will be ready.

h. James Aidukas asked if they are going to clean and restack the rock around the outlet risers at Basin A?
   - Joshua Mills stated they typically unstack it, clean it, place new filter fabric and restack the rock. This will be performed by October 1st.

i. James Aidukas stated that it appears from the photographs that the office trailers looked like they had a solid piece of wood under the sides that may cause issues with gas accumulating under the trailers, and asked if that was indeed a piece of solid wood? (Photos 7577 and 7578)
   - Joshua Mills stated that the office trailers have vents and that they feel they are adequately vented. Also, that the trailers have gas monitors that would detect any gas build up. No gas levels have been detected at the trailers.

j. James Aidukas asked when they will pave the parking lot?
   - Joshua Mills stated that the emulsion base is going in today. The parking area will not be paved with asphalt. The road base with emulsion is the final surface.

k. James Aidukas stated that Mike Lindsay noticed the eyewash station at the Adler treatment facility had no wash solution in it. (Phot 7587)
   - Joshua Mills stated that he will look into having it filled.

l. James Aidukas asked if they would be able to clean the eastside drainage by October 1, and if they will remove vegetation growing in cracks in the concrete and perform any concrete channel repairs? (Photos 7589-7593)
   - Joshua Mills stated that the plan is to have the channel cleared by October 1, and that they have already started to clear the area.

m. James Aidukas stated that loaded trucks are causing potholes at the scales exit, and asked if they will be extending the paving to prevent bigger potholes? (Photos 7594, 7595)
   - Joshua Mills stated that they do not plan to pave more of the exit with asphalt but will fix the potholes as needed, possibly with road base.

n. James Aidukas asked if Basin B was going to be cleared of sediment by October 1. (Photos 7601-7609)
   - Bill Carr stated clearing operations already have begun and will be done by October 1st.

o. James Aidukas asked if the gas header that terminates near the scales has been extended to Cell CC-3 Part 2A? (Photos 7610-7614)
   - Joshua Mills stated that it has been extended and tied in to the gas recovery system.

p. James Aidukas asked if there has been any increase in the amount of gas recovered?
   - Joshua Mills stated that they have been able to capture more gas from this area.

q. James Aidukas stated that the top deck of Cell CC-3 Part 2B has HDPE, drainage rock, and asphalt material stored on it, and asked if that was a storage area for the winter season? (Photos 7626-7630)
   - Joshua Mills stated that it was a storage area for winter maintenance.

r. James Aidukas stated that there was stockpiling of soil and rock and rubble on the County top deck, and asked if this material was being stored for winter use. (Photos 7634-7637, 7644, 7645, 7652)
   - Joshua Mills stated that it would be used for this winter's operation.

s. James Aidukas stated there are three non-operatable vehicles being stored in the Basin D storage yard, and asked if they were in the process of being disposed of? (Photo 7646)
   - Joshua Mills stated they are in the process of scrapping those vehicles.

t. James Aidukas stated sediment has accumulated over a roll of material in Basin D, and asked what the material roll was? (Photos 7648-7650)
   - Joshua Mills stated he is not sure what that is, and said they are already cleaning the area.

u. James Aidukas asked if there were any NOVs in August?
   - Joshua Mills stated they did receive an NOV from SCAQMD for an odor nuisance on August 10, 2020. They assumed that it was from a transfer truck delivering waste in the morning of that day that was particularly odorous and have decided to accept trash at a later time in the day to be able to mitigate the odor.

v. James Aidukas asked if there were any operational complaints in August?
   - Joshua Mills stated not that he was aware of.

w. James Aidukas asked if the gas levels at perimeter probes P-205 and P-243 were being controlled?
   - Joshua Mills stated that they were being controlled with a methane gas reading of 0.01%, which might be just a calibration error.

x. James Aidukas asked if there was soil being imported to construct the terminal buttress and bypass road?
   - Joshua Mills stated that they will not begin construction on the buttress until mid-year 2021 and that soil importation for the buttress and bypass road has not begun.

y. Mike Lindsay noticed wooden poles installed along the west bench road above Part 4A, and asked what the purpose of the poles were?
   - Joshua Mills stated that they are used for fiber optic lines.

z. Mike Lindsay stated that a liquid seep is still present on the western slope of Cell CC-4 Part 4.
   - Joshua Mills stated that they are going to take care of it with more gas extraction infrastructure.

aa. Mike Lindsay stated that windblown trash and debris were present at the back of sediment Basin A.
    - Joshua Mills stated they are continually cleaning up that area.

bb. Mike Lindsay stated that windblown trash and debris continue to collect in the natural drainage below Flare 3, south of sediment Basin A along the access road, and asked if they have seen it.
    - Joshua Mills stated that he saw his team working on cleaning that area.

cc. James Aidukas stated that the perimeter PVC survey markers have been removed and asked when they will have surveyors put them back in?
    - Joshua Mills stated they will have to follow up with that task.

dd. James Aidukas asked if they had any issues with the heat.
    - Joshua Mills said no they did not have any heat-related issues.

The site monitoring conference call was then ended.

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Sunshine Canyon Landfill
August 18, 2020 Site Visit
Conference Call Discussion Items

Site Visit Participants

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

Discussion Topics After Reviewing Site Visit Photos

1. (Photos 7493–7496, 7501–7510, 7535–7539, 7543–7545, 7548–7552, 7663–7673) Cell CC-4 Part 3 was observed accepting waste.
    a.) There were no operational concerns noted.

2. (Photos 7498, 7499, 7506, 7511–7513, 7515–7526) Cell CC-4 Part 4A construction was observed.
    a.) How does the liner, shown in photos 7498, 7499, 7540, 7546 and 7547, tie into the existing liner?

3. (Photos 7535, 7536) Basin A was observed. The basin was dry and the majority of the sediment was removed.
    a.) When will the rest of the sediment be removed?
    b.) Will the rock around the risers be unstacked, cleaned and re–stacked?

4. (Photos 7577, 7578) The office trailers at the new location were observed.
    a.) How are the office trailers' under–carriage vented? The photos show a solid board around the bottom of the trailers.
    b.) Are the office CO gas monitors operating and have they been tested?
    c.) Will the parking lot area be surfaced with base and soil emulsion before winter rains?

5. (Photo 7587) The eyewash station in the Adler tank hydrogen peroxide treatment area was observed.
    a.) The eyewash equipment had no water solution in it.

6. (Photos 7589–7593) Portions of the eastside drainage channel were cleared of sediment, rock and windblown litter. Vegetation was not removed at the top of the sidewall concrete/ soil interface, nor in the channel. The broken concrete channel sidewall near basin B has not been repaired.
    a.) What is the schedule for sediment and vegetation removal?
    b.) What is the schedule for the channel repairs?

7. (Photos 7594, 7595) The new scales were observed.
    a.) As the trucks exit the off ramp, the pavement continues for about ten feet. From the end of the pavement, a rock-based dirt road continues to the operating area that is accepting waste. In the area that is 10 to 20 feet from the end of the pavement, there are large potholes. Will the pavement be extended?

8. (Photos 7601–7609) Basin B and its inlet and outlet channels to the basin were observed. Basin B was dry. Sediment, windblown litter and vegetation was not yet removed.
    a.) What is the schedule for clearing the basin?
    b.) Will the filtration rock around the outlets be unstacked, cleaned and re–stacked?
    c.) Will the vegetation be removed from the inlet and outlet channels?

9. (Photos 7610–7614) The east-facing slope of CC-2A and the County bowl areas were observed.
    a.) Has the new eastside main gas recovery header been connected to these areas?

10. (Photos 7626–7630) The top deck of CC-2B was observed. HDPE pipe, drainage rock and recycled asphalt material was being stored on the deck. No concerns were noted.

11. (Photos 7634–7637, 7644, 7645, 7652) Concrete rubble for wet weather operations and soil for operations was observed stockpiled on the County top deck. No concerns were noted.

12. (Photo 7646) Three inoperable vehicles were observed being stored in the Basin D area storage yard.
    a.) Are these vehicles in the process of being disposed of?

13. (Photos 7648–7650) Basin D was observed. The basin was dry and had some sediment in piles ready for removal.
    a.) When will the rest of the sediment and the buried roll of material be removed?

14. (Photos 7650, 7651) The westside drainage channel was observed. The channel had sediment in it and vegetation growing out of concrete cracks.
    a.) What is the schedule for sediment and vegetation removal, and sealing of concrete cracks?

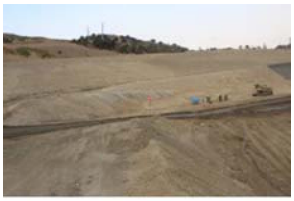
15. (Photos 7705–7713) The terminal basin was observed. All the sediment was not yet removed.
    b.) Will all the sediment and vegetation be removed by October 1, 2020?

<u>Site Operations</u>

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

<u>Site Visit Conditions Observed by Mike Lindsay</u>

1. New wooden poles have been installed along the west bench road above Part 4A.
2. A liquid seep is still present on the western slope of Cell CC-4 Part 4.
3. Windblown trash and debris are present at back of sediment basin A.
4. Wind-blown trash and debris continue to collect in the natural drainage below Flare 3, south of sediment basin A along the access road.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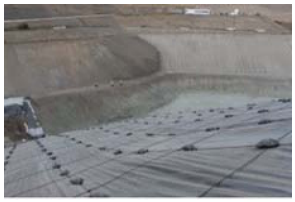
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SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT

Monitor: Mike Lindsay	Page: 1 of 2
Discipline: Environmental Engineer	Date: 08-18-2020 Tuesday
Site Conditions: Partly Cloudy, 78–109 °F, 3–14 mph, 44% RH	

SITE LOG

1. No odors are present at the adjacent neighborhood or school at 7:45 am.
2. Checked into office via phone with Joshua Mills (Republic Services).
3. Edgar De La Torre and Diana Gonzales (LACDRP) followed me in separate vehicles to site locations.
4. Cell CC-4 Part 3 working area is in good order, including four tippers, traffic controllers and water trucks and misters for odor and dust control. ADC is 40% covered with new trash at 9:00 am.
5. Bird abatement is active, including falconry.
6. New wooden poles have been installed along the west bench road above Part 4, probably for lighting/ power.
7. Traffic spotters are onsite to control traffic.
8. Flare 3 is offline.
9. Cell CC-4 Part 4 excavation work continues, with final grading taking place at bottom of cell. A survey team is taking measurements.
10. A trench is being made for liner tie-in along the top perimeter of south and west slopes of Cell CC-4 Part 4.
11. A liquid seep is still present on the western slope of Cell CC-4 Part 4.
12. Haul trucks are queued for the scales past the admin facility turn-off. Access to the admin facilities is unobstructed by use of the paved roadway coming up from the 3B basin area.
13. Admin facilities continue to be constructed.
14. The tank farm has no odors present.
15. The eyewash station at the tank farm's hydrogen peroxide storage is empty of water.
16. The liquid that was dripping from a piping check valve at the tank farm has been repaired.
17. The new scales are in good order.
18. The eastside drainage is in good order.
19. Sediment basin B is dry and in good order.
20. A localized, intermittent landfill gas odor is present by well CTC-625 at 9:40 am.
21. Cell CC-3B is in good order, with stockpiled piping and crushed asphalt.
22. No odors are present at gas well 3013-D at southern end of Cell CC-3A.
23. Cell CC-3A is in good order, with stockpiled crushed rock.
24. Closure turf at the City north slopes is in good order.
25. Flare 9 is operating at 3222 scfm, 1659 °F. Gas sample measured at 41 % Vol. CH4, 1.6 % Vol. O2, 79 ppm H2S and 262 ppm CO. Gas inlet temperature is 146 °F. Blowers 2, 3, 4, 5 and 6 are operating.
26. Blower number 1 is offline.
27. Flare 10 is operating at 3221 scfm, 1658 °F.
28. Flare 11 is operating at 3069 scfm, 1689 °F. Gas inlet temperature is 148 °F.
29. Sunshine Gas Producers gas volume is at 9015 scfm.
30. No gas odor is present at the lower output flange of blower six.
31. The gas to energy plant is in good order, with operator stating that they are actively balancing the system to cope with the high weather temperatures.
32. The secondary access road is in good order, with the perimeter gate propped open.

33. Sediment basin D is in good order.
34. The storage yard is in good order, with three vehicles, used tires and a mattress being stored.
35. The westside drainage channel is clear and in good order.
36. The County sage mitigation slopes are in good order.
37. Sediment basin A is dry, and sediment has been cleared.
38. Windblown trash and debris are present at back of sediment basin A.
39. The gas header pipe at sediment basin A is in good order, with supports in-place.
40. Flare 1 is operating at 2760 scfm, 1640 °F. Gas sample measured at 32 % Vol. CH4, 1.6 % Vol. O2, 100 ppm H2S and 242 ppm CO. Gas inlet temperature is 141 °F.
41. Water buffalo misters are operational along the southwest bench road above the maintenance yard.
42. Street sweepers are cleaning the haul roads.
43. Observed overall operations from the observation deck, including Cell CC-4 Part 3 working area, where a separate area is being used for haul trucks and tippers, and a smaller area used for packer trucks. Cell CC-4 Part 4 has a drilling rig being placed over what used to be the low-point basin.
44. City deck C sage mitigation area is in good order, with additional yellow-flowering plants across the deck.
45. City deck B sage mitigation area continues to recover, with grasses and flowering plants throughout.
46. Water misters are active along the PM-10 berm.
47. Most of the mitigation oak trees along the PM-10 berm are doing well, but with several in die-back mode.
48. Wind-blown trash and debris continue to collect in a natural drainage below Flare 3, south of sediment basin A along the access road.
49. Water trucks are applying water to site for dust control.
50. Workers are removing sediment and wind-blown trash from the roadside V-ditch along the main haul road.
51. Terminal basin is in good order, with no standing water. Sediment is being removed from large piles that have dried out. About four feet of sediment remains at outlet-end of basin. The riser drains have not been cleaned yet.
52. Checked out of office via phone with Joshua Mills.

FURTHER REVIEW NEEDED

1. Control seep near CC-4 Part 4.
2. Fill eyewash station with water at hydrogen peroxide storage.
3. Check on blower number 1 operation at Flare 9.
4. Keep north perimeter access gate closed and locked.
5. Remove wind-blown trash and debris from natural drainage south of basin A.
6. Eliminate gas odor at well CTC-625.

Signed: Michael W. Lindsay

September 2020

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Sunshine Canyon Landfill Meeting Log
September 17, 2020 Site Visit
October 19, 2020 Site Monitoring Conference Call

Site Visit performed by Mike Lindsay (UltraSystems) and Tarik Hadj-Hamou (SLR) in separate vehicles; Edgar De La Torre and Diana Gonzalez (LACDRP) accompanied UEI in separate vehicles.

Remote site monitoring conference call with Chris Coyle, Joshua Mills, Dennis Montano, Bill Carr 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, SLR

Site Visit Observations Discussion:

To follow CDC guidelines for COVID-19 health protocols, UltraSystems sent a single person to perform a site visit to photograph site conditions and record site observations of the landfill. After reviewing the photos and observation record, a post-site visit conference call was held to discuss Sunshine Canyon Landfill operations and the status of construction, maintenance and compliance for the month of July. We asked questions regarding health measures, site operations, weather impacts, landfill gas and liquids control, construction activities and mitigation measures status. We received comments and updates from Republic staff as follows:

a. James Aidukas stated that the CC-4 Part 3 south-facing slopes were observed, and asked if any temporary HDPE-lined drainage controls will be installed before the winter rains (Photos 7795-7798, 7802-7806).
   - Chris Coyle stated Cell CC4 Part 4A is constructed and accepting waste, and the south-facing slope will be covered with waste in the next two to three months. There is no need for temporary HDPE-lined drainage control. If erosion occurs due to heavy rain events, they will be repaired with soil.

b. James Aidukas stated that the Cell CC-4 Part 4A construction was observed and that the cell appears to be near completion, and asked if the concrete drainage channel shown in photo 7829 will be removed or just filled with soil before placing the new liner. He also asked if the seeps seen in the photos will be controlled and piped under the liner (Photos 7820-7828, 7834-7861).
   - Chris Coyle stated that this drainage channel will remain, and is on the west side of Cell CC-4 Part 4A. The drainage goes around the west side of Cells CC4 Part 3 and Part 4A and down to the terminal basin.

c. James Aidukas stated that the main access road was observed and asked if any wet weather surfacing needs to be placed on this road for wet weather use (Photo 7862).
   - Chris Coyle stated that the road is already fully weatherized.

d. James Aidukas stated that the Closure Turf-covered slopes were observed and they looked well-maintained, and asked what the horizontal pipes sticking out of the Closure Turf were used for (Photos 7862-7866, 7871).
   - Chris Coyle stated they are clean-out connections for a pumper truck to clean the liquids transfer piping. They are used on average once a month. The automatic liquids handling system is working well and is continually being improved so that there is more reliability and less maintenance required.

e. James Aidukas asked if any polymer binding emulsion will be used in the top surface of the offices and the parking area, similar to the prior office location parking area (Photos 7868-7870).
   - Chris Coyle stated that the soil foundation surface was prepped with a polymer emulsion before the road base material was placed. Nothing else would be done to this area this year, but emulsion may be applied as maintenance requires in the future.
   - Chris Coyle stated that the offices are elevated and a drainage swell next to the offices is a natural stopper so vehicles do not collide with the buildings, and that they are looking into installing lines and delineators to organize the parking lot.

f. James Aidukas stated that the Adler Tank liquids handling and treatment system was observed, and that there were no operational concerns noted (Photos 7872-7875).
   - Chris Coyle acknowledged the statement.

g. James Aidukas asked if sediment and vegetation has been removed from the eastside drainage channels, Basin B and the Terminal Basin (Photos 7876-7881, 7911, 7904, 7910, 7913, 7894-7896).
   - Bill Carr stated that the sediment and vegetation has been removed from Basin B, the eastside drainage channels and the Terminal Basin.
   - Chris Coyle stated that the concrete cracks in the drainage systems and basin's walls have not yet been repaired. They are working on scheduling the repairs.

h. Mike Lindsay stated that the potholes off the exit ramps of the scales have all been filled (Photos 7887-7892).
   - Chris Coyle stated that they are constantly checking for potholes and will continue to fill the roadway as needed. They fill the holes with mostly crushed concrete or asphalt.

i. James Aidukas stated that it was observed that Basin B was cleared of sediment and ready for winter rain events (Photos 7900-7908).
   - Chris Coyle stated that all basins were cleared of sediment by October 1, 2020, and were ready for winter rain events.

j. James Aidukas asked when Cell CC-4 Part 4A will be extended into the area where the LEA's office and maintenance facilities are now located (Photos 7929-7931, 7934-7936, 7941, 7942).
   - Chris Coyle stated that it will happen in 2021, when the LEA building and the shop is relocated. He suggested to refer to the 5-year cell development plan that explains the goals over the upcoming years.
   - Chris Coyle confirmed that the CC4 Part 4A liner terminates at the south side of the main access road and at the western slope on the north side.

k. James Aidukas stated that the small canyon south of Basin A had wind-blown litter in the vegetation (Photos 7970, 7976, 7982).
   - Bill Carr stated that they will send a crew and equipment to remove the wind-blown trash.

l. James Aidukas stated that it was observed that the Basin A outlet riser drainage rock was full of sediment (Photos 7983-7987).
   - Bill Carr stated that all the rocks have now been removed, cleaned and put back.

m. James Aidukas stated that it was observed that no work has been done at the County sage mitigation area (Photos 7990, 7991).
   - Chris Coyle stated that there are no plans for the County slopes at this time.

n. James Aidukas stated that the Flare 9, 10 and 11 pad drainage channel's concrete sidewall was broken in one location (Photos 8008-8011).
   - Joshua Mills stated that it will be fixed by the end of this month.

o. James Aidukas stated that there was vehicle traffic on the County top deck that was using unsurfaced, un-watered dirt roads, and was causing dust clouds (Photo 7999).
   - Chris Coyle replied that he will get additional water truck out to those areas that have vehicle traffic.

p. James Aidukas stated that the Terminal Basin's sediment was in the process of being removed and asked if the basin was ready for winter rains, and if the skimmers were operational (Photos 8018-8033).
   - Chris Coyle stated that the basin and skimmers are ready for winter rain events.

q. James Aidukas stated that the LEA Report indicated there was a small fire alongside the paved road to the top of the City South area, and asked what the cause was.
   - Chris Coyle stated that a mechanic was doing some grinding and sparks caused a small brush fire in an area of 100 feet by 150 feet. There was no damage to the landfill.

<u>Site Operations</u>

1. Were there any notices of violation (NOVs) issued in September?
   - Joshua Mills stated that it has been a long hot summer with Covid-19 trash, and they had two NOVs in September.

2. Are the gas levels at the perimeter gas probes P-205 and P-243 being controlled?
   - Chris Coyle stated that they are still analyzing the data.

3. What is the status of accepting waste at Cell CC-4 Part 4A?
   - Chris Coyle stated that as soon as the waterboard gives him the green light, which would approximately be a week to two weeks, they will begin filling Part 4A.

Site Visit Observations

1. Mike Lindsay noticed that during the September visit, the area had bad air quality and the sky was hazy from the surrounding fires. He went to the nearby school and neighborhood, and no landfill odors were detected offsite.
2. Mike Lindsay noticed a slight localized methane odor at the slopes of Cell CC-3A where the slope comes down and connects to Cell CC-4A Part 4A.
    - Tarik Hadj-Hamou stated that it is not surprising considering the wells in the nearby area, and that the mitigation measures that drain under the cell significantly reduced the gas and odor smells.
3. Mike Lindsay stated that the parking lot of the admin buildings had a final grading.
4. Mike Lindsay stated stockpiling of soil and crushed asphalt was observed on the top deck of Cell CC-3A, probably for wet weather future use.
    - Chris Coyle stated that might be just for the cell rather than for wet weather work, but can also be used for wet weather work.
5. Mike Lindsay asked why a worker was watering in a hole by Cell CC-4 Part 4A.
    - Chris Coyle said that it was for dust and odor control.
6. Mike Lindsay stated that sediment basin A was on track for being cleared of sediment, but the outlet riser rock was still impacted with soil.
    - Bill Carr said that all the rocks have now been removed, cleaned and put back.
7. Mike Lindsay asked if they used a lift truck to pick up the wind-blown trash from Basin A, Basin B or the terminal basin?
    - Bill Carr stated that all three sites and the canyon south of basin A needed a lift truck.
8. Mike Lindsay stated that there still is a localized gas odor coming from blower 6 at the Flare 11 pad.
    - Joshua Mills stated that improper flanges were used to mate with the blower flange, and that new flanges have been ordered and will be installed this week.
9. Mike Lindsay stated that the San Fernando Road retaining wall has some large rocks that have rolled out of the slope and were stopped by the chain link fence, and asked if it is a safety concern.
    - Chris Coyle stated that they are hiring a contractor to address this problem.
10. Edgar De La Torre asked if they are going to remove the inoperable vehicles stored in the Basin D storage yard.
    - Chris Coyle stated that those two trucks will be removed as part of the clean-up and scrapping process at the landfill.

The site monitoring conference call was then adjourned.

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Sunshine Canyon Landfill
September 17, 2020 Site Visit
Conference Call Discussion Items

Site Visit Participants

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

Discussion Topics After Reviewing Site Visit Photos

1. (Photos 7795-7798, 7802-7806) The CC-4 Part 3 south-facing slopes were observed.
    a.) Will any temporary HDPE-lined drainage control be installed before winter rains?

2. (Photos 7820-7828, 7834-7861) The Cell CC-4 Part 4A construction was observed. The cell appears to be near completion.
    a.) Is the concrete drainage channel shown in Photo 7829 removed or just filled with soil before placing the liner?
    b.) Are all of the seeps controlled in this Cell and piped under the liner?

3. (Photo 7862) The main access road was observed.
    a.) Will any wet weather surfacing need to be placed on this road for wet weather use?

4. (Photos 7862-7866, 7871) The Closure Turf-covered slopes were observed.
    a.) The Closure Turf covered slopes look well-maintained.
    b.) In photos 7864-7866 there are horizontal pipes sticking out of the Closure Turf. What are they used for?

5. (Photos 7868-7870) The new office location parking and access roads were observed.
    a.) The area around the offices and the parking area appear to be surfaced with road base. Was any polymer binding also used, similar to the prior office location parking area?

6. (Photos 7872-7875) The Adler Tank liquids handling and treatment system was observed.
    a.) There were no operational concerns noted.

7. (Photos 7876-7881, 7911, 7904, 7910, 7913, 7894-7896) The eastside drainage channels were observed from Basin B to the Terminal Basin.
    a.) Has sediment and vegetation been removed?
    b.) Have the channel concrete cracks and cleaves where vegetation was growing been repaired?

8. (Photos 7887-7892) The facility scales were observed.
    a.) There were no operational concerns noted.

9. (Photos 7900-7908) Basin B was observed.

a.) Sediment was being removed. Approximately 90% of the sediment was removed.

10. (Photos 7929-7931, 7934-7936, 7941, 7942) The Cell CC-4 Part 4A was observed.
    a.) When will this cell be extended into the area where the LEA's office and maintenance facilities are now located (photo 7930)?
    b.) How will the future liner be installed and tied into the Part 4A liner (photo7930)?

11. (Photos 7972-7975, 7977-7980, 7943-7945, 7947-7959) The Cell CC-4 Part 3 was observed accepting waste. There were no operational concerns noted.

12. (Photos 7970, 7976, 7982) The outlet channel from Basin A was observed.
    a.) The westside channel and inlets into it were cleared of sediment. The small canyon south of Basin A had wind-blown litter in the vegetation.

13. (Photos 7983-7987) Basin A was observed.
    a.) The basin was cleared of sediment.
    b.) The outlet riser drainage rock was full of sediment. Will this rock be cleaned?

14. (Photos 7990, 7991) The County sage mitigation area was observed.
    a.) No work has been done in this area.

15. (Photos 7997, 7998) Basin D was observed.
    a.) The basin was dry. Some debris was seen near the north outlet risers.

16. (Photos 8008-8011) The Flare 9, 10, and 11 pad's drainage channel was observed.
    a.) The concrete sidewall was broken in one location and needs to be repaired.

17. (Photo 7999) The County top deck was observed.
    a.) Vehicle traffic on un-watered roads was causing dust clouds.

18. (Photos 8018-8033) The Terminal Basin was observed.
    a.) Sediment was in the process of being removed. Is this basin ready for winter rains?

19. The LEA Report stated that there was a small fire alongside the paved road to the top of the City South area.
    a.) What was the cause?
    b.) How much was burned?
    c.) Were any facilities damaged?

<u>Site Operations</u>

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


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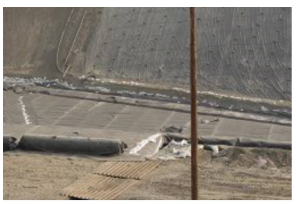
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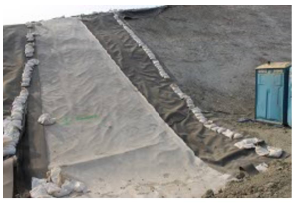
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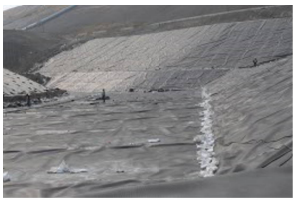
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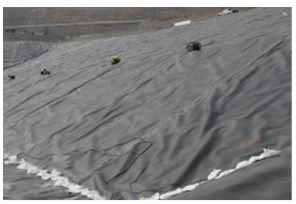
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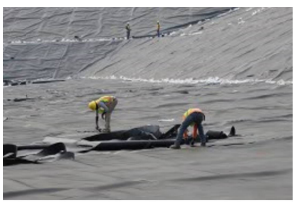
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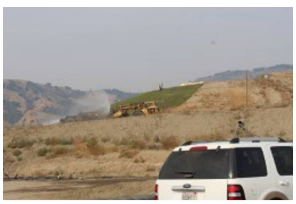
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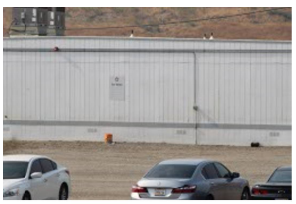
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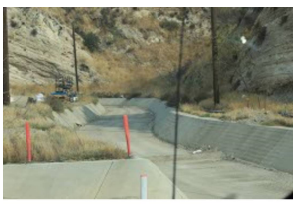
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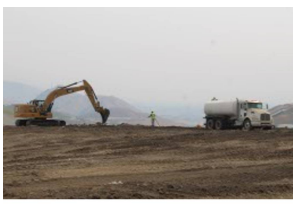
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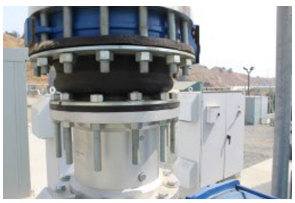
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SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT

Monitor: Mike Lindsay	Page: 1 of 2
Discipline: Environmental Engineer	Date: 09-17-2020 Thursday
Site Conditions: Hazy, Fire Smoke, 66–93 °F, 3–13 mph, 10% RH, 143 AQI (fire-related)	

SITE LOG

1. No odors are present at the adjacent neighborhood or school at 7:55 am.
2. Checked into office via phone with Joshua Mills (Republic Services).
3. Tarik Hadj-Hamou (SLR), Edgar De La Torre and Diana Gonzales (LACDRP) followed me in separate vehicles to site locations.
4. Cell CC-4 Part 3 working area is in good order, including tippers, traffic controllers, and water trucks and misters for odor and dust control. Part 3 is one lift higher since our August site visit.
5. Water trucks are applying water to site for dust control.
6. Final liner is being installed at Cell CC-4 Part 4A, including 60 and 80 mil geomembrane liner, clay and geotextile materials.
7. The temporary 30 mil material is in good order, and is held in-place with sandbags and ropes. It covers the west-facing slope of Cell CC-3A/2A, adjacent to Cell CC-4 Part 4A.
8. A localized, slightly methane gas odor is present at the slope base of 3A where it meets the 4A floor.
9. Traffic spotters are onsite to control traffic.
10. Closure turf at the City north slopes is in good order.
11. Admin facilities are mostly done with construction, with the parking lot final grading complete.
12. The tank farm has no odors present.
13. The new scales are in good order, and all potholes have been filled near the exit ramps.
14. The eastside drainage channel has been mostly cleared of sediment, ahead of the rainy season and October deadline. One area of the channel has spilled soil, southeast of sediment basin B.
15. Sediment basin B is being cleared of soil. A skip loader is pulling soil down from the side walls, and placing it into piles for removal. Filter rock at the riser drains has been cleaned.
16. A strong, localized landfill gas odor is present just east of sediment basin B at 10:20 am.
17. Cell CC-3A is in good order, with stockpiled soil and crushed asphalt.
18. Observed overall operations from high on Cell CC-3A, including Cell CC-4 Part 4A construction, and Cell CC-4 Part 3 working area, where the ADC is 40% covered with new trash at 10:40 am.
19. A backhoe is excavating an area northwest of Part 4, while a worker waters-in the hole.
20. Sediment basin A is mostly cleared of soil. Filter rock at the riser drains have not been cleaned.
21. Windblown trash and debris are present at back of sediment basin A.
22. New straw wattles have been installed along the County top deck roadway. They are placed along the western-edge of slopes to control erosion.
23. The westside drainage channel is clear and in good order.
24. The County sage mitigation slopes are in typical dry conditions for September.
25. The storage yard is in good order, with three vehicles, used tires and a mattress being stored.
26. Sediment basin D is in good order.
27. Street sweepers are cleaning the haul roads.
28. Flare 9 is operating at 2926 scfm, 1642 °F. Gas sample measured at 41 % Vol. CH4, 1.7 % Vol. O2, 76 ppm H2S and 197 ppm CO. Gas inlet temperature is 138 °F. Blowers 2, 3, 4, 5 and 6 are operating.
29. Flare 10 is operating at 2928 scfm, 1657 °F.
30. Flare 11 is operating at 2894 scfm, 1668 °F.

31. Sunshine Gas Producers gas volume is at 9285 scfm.
32. A localized landfill gas odor is present at the output flange of blower six.
33. The shallow concrete drainage channel at north edge of flare area is broken and partially filled with sediment.
34. Two new water mister machines are being tested near the maintenance facility.
35. Terminal basin is in good order, with some piles of soil drying out for removal. Soil behind riser drains has not been removed, and represents a very minimum capacity.
36. Large rocks behind front retaining wall are still resting against fencing.
37. Checked out of office via phone with Joshua Mills.

FURTHER REVIEW NEEDED

1. Eliminate gas odor near sediment basin B.
2. Remove wind-blown trash and debris from back of basin A.
3. Repair gas leak at blower number six output flange near Flare 11.
4. Repair concrete channel at Flare 11 area.
5. Clean out rocks and sediment from behind front retaining wall.

Signed: Michael W. Lindsay

SUNSHINE CANYON LANDFILL

MITIGATION MONITORING
SITE REPORT

Monitor: Tarik Hadj-Hamou, Ph.D., P.E.	PAGE 1 OF 5
Discipline: Civil – Geotechnical and Hydrology	Date: September 17, 2020
Site Conditions: Sunny and warm	

SITE LOG

8:00

- Met with UltraSystems team members Mike Lindsay, to prepare tour of landfill, review of previous visits, discuss potential issues, organize areas and features to inspect.
- Signed-up at landfill
- Met with Edgar De La Torre and Diana Gonzalez of LA County
- Discussed inspection process

8:00– 2:30 Site inspection

- Tour of landfill
- Access Roads
- Waste placement
- Drainage systems (Basins, channels)
- Construction at Cell CC4 Part 4A
- Erosion protection system
- Landfill for geotechnical and hydrological issues
- Other observations

Access Roads.

- New main access road: No stability concerns

Waste Placement

- Only one waste face was in operation on top of Cell CC4 Part 3
- 4 Tilters were set-up (Photo 7877)

Drainage System

- Terminal Basin
  - Most of the sediment has been removed, namely in front of the gabion walls7538Some sediment remains behind the decant towers (Photo 8025)
  - Some vegetation is growing on the outside wall (Photo THH-1 in this report) and out of the weep hole within the basin (Photo 8033)
- Cell CC3 Earthen basin
  - The basin is now split by the access road equipped with a culvert
  - Vegetation has grown in the basin (Photo THH-2 in this report) but should not affect hydraulic performance
- Basin B
  - Final clean-up of basin was on-going (Photo 7901)
- Basin D
  - Basin is clean and available for water storage
- Ditch along access road and pad of Flare 9-11
  - The drain at the end of the concrete on side of road is plugged by sediments with heavy vegetation growing (Photo THH-3 in this report).
  - Channel along hillside is partially filled with sediments (Photo 8011)

- Basin A (Photo 7985)
  - Sediment removed but for one truck load
- Perimeter channels and ditches
  - Most of the sediments noted in previous visits have been removed
  - Vegetation is growing at the connection between the side and the bottom concrete slabs (Photo 7877-7881) in the area behind the leachate collection tanks. There is always the risk of uplifting the bottom slab and opening a gap through which water can infiltrate.

Cell 4 Phase 4 Construction

- Liner under installation (Photo 7835)
- Liner installer was working on connection between new liner and liner from previous phase (Photo 7853)
- A temporary geomembrane was placed on east facing slope to control odors and gas emission (Photo 7811)

Erosion Protection Systems

- No major issues observed

Landfill for geotechnical and hydrological issues

- On-going excavation of next phase leads to steep cut slope (Photo 7969) – it is assumed that the temporary (construction time frame) of the slope have been evaluated
- No fissures or cracks were observed in any of the slope or roads

Retaining wall along San Fernando Road

- Large blocks and soil have accumulated against the wire mesh above the wall pushing it outward

FURTHER REVIEW NEEDED

- None

COMMENTS

- None

Signed: 



Photo THH-1: Vegetation growing in outside wall Water at low end of Terminal Basin



Photo THH-2: Vegetation in Cell CC3 Basin



Photo THH-3: Ditches along access road to Flares 9-11