Sunshine Canyon Landfill
Independent Monitor
Quarterly Site Monitoring Status Report
April 1, 2020 – June 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
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Prepared On:

November 4, 2020

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environmental | management | planning

CERTIFICATION STATEMENT

November 4, 2020

The attached Quarterly Site Monitoring Status Report for the Sunshine Canyon Landfill dated November 4, 2020 is the Second Quarterly Report for 2020, issued by UltraSystems. This report covers the monitoring period from April 1, 2020 through June 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

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Quarterly Status Report

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

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

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

This Quarterly Report provides the City of Los Angeles Department of Planning and the County of Los Angeles Department of Regional Planning with a concise status of the Mitigation Measure Monitoring for the period of April 1, 2020 to June 30, 2020. It includes:

1. The City and County Mitigation Monitoring Summary spreadsheets for April 1, 2020 to June 30, 2020. These spreadsheets record the areas of monitoring completed and the status of being compliant during the second 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 2nd Quarter followed the CDC guidelines for COVID-19 health protocols and complied with State and County restrictions. The landfill visits occurred on one day each month during the April through June 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 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 April through June 2020 quarter in order to observe operational site activities and determine compliant status with conditions and/or mitigation measures. They were performed on April 28, 2020; May 26, 2020; June 23, 2020. On May 6, 2020 and June 4, 2020, remote site monitoring conference calls were held in lieu of normal site monitoring visit meetings in order to follow the Centers for Disease Control and Prevention (CDC) guidelines for COVID-19 health protocols. The previously-discussed conditions and/or mitigation measures were tracked by each specialist who visited, and observations were documented. Site conditions were noted to be: Compliant, Non-Compliant, or Further Review Needed. If a Condition was found to be Non-Compliant or observed as having Further Review Needed, a reference was made to an appendix which details what was observed by the monitor.

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/Comments – There was no grading outside of the approved landfill development limits during the 2nd Quarter. Cell CC-4 Part 3 was the only area accepting waste during the 2nd Quarter. Cell CC-4 Part 1/2 was at the finished elevation for this phase. CC-4 Part 4A started construction in June. 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 April, localized dust clouds occurred on the County top deck when soil importation trucks used the dirt roads. In May, packer trucks using the top decks' roads from the scales to the active area generated localized dust clouds. The use of more water trucks employed on a demand basis should be considered.

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

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

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

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

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

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

within the stacks. Flame arrestors shall be provided to the satisfaction of the County Forester and Fire Warden.

Current Status/Comments – At the end of April, the gas-to-energy plant usage was not recorded. Flare 1: 2385 SCFM of recovered landfill gas, 34% CH4, 1.6% O2, 100 ppm H2S; Flare 3: was not operating; Flare 9: 3181 SCFM; Flare 10: 3113 SCFM; Flare 11: 3136. The total volume of landfill gas being flared was 11,815 SCFM. The quality of the gas recovered was 43% CH4, 1.7% O2 and 99 ppm H2S.

At the end of May, the gas-to-energy plant was using 9808 SCFM of recovered landfill gas, 42% CH4, 1.3% O2, 100 ppm H2S. Flare 1: 2678 SCFM, 34% CH4, 1.5% O2, 100 ppm H2S; Flare 3: 1898 SCFM; Flare 9: 2367 SCFM; Flare 10: 2259 SCFM; Flare 11: 2284 SCFM. The total volume of landfill gas being recovered was 21,294 SCFM.

At the end of June, the gas-to-energy plant was using 9069 SCFFM of recovered landfill gas, 41% CH4, 1.3% O2, 89 ppm H2S. Flare 1: 2750 SCFM, 33% CH4, 1.7% O2, 100 ppm H2S; Flare 3: was not operating; Flare 9: 3087 SCFM; Flare 10: 3111 SCFM; Flare 11: 3066 SCFM. The total volume of landfill gas being recovered was 21,086 SCFM.

The quantity of landfill gas being recovered during the 2nd Quarter has a daily average of 21,190 SCFM, with the gas-to-energy plant usage averaging 9439 SCFM. An expansion of the gas-to-energy plant or a different beneficial use facility should be pursued.

The conditions state that planning for expanding the renewable energy facilities should begin when the quantity and quality of gas being flared can support the installation of a new facility or an expansion of the existing facility, and that the status of the technical and economic feasibility be included in Republic's biennial reports. The typical time required for planning, funding and permitting a renewable energy facility is four years, or more.

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 2nd Quarter. Cell CC-4 Part 3 was the only area accepting waste during the 2nd Quarter. Cell CC-4 Part 1/2 was at the finished elevation for this phase. CC-4 Part 4A started construction in June. 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 2nd Quarter.

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

M-4.2.11(23) (City)
Disturbed areas shall be revegetated with an interim ground cover as specified in the proposed revegetation program. Excavation will proceed in a manner to reduce the 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 2nd Quarter, Closure Turf was being maintained, and gas and liquids recovery systems under the turf were performing well. This cover material was in lieu of vegetation on the south-facing slopes and controlled and eliminated dust and erosion. 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.

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 once Cell CC-4 Part 4 construction is completed.

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 April, the monitor drove the Granada Hills neighborhood area from 7:00 to 7:45 a.m., and there were no landfill odors detected. Localized odors at the working face in Cell CC-4 Part 3 were being controlled by two Dust Boss misters. There were no other localized odor sources detected.

In late May, the monitor drove the Granada Hills neighborhood areas from 7:15 to 7:30 a.m., and there were no landfill odors detected. No odors were detected at the site. 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. There were two SCAQMD NOV's issued in May for nuisance odors.

In late June, the monitor drove the Granada Hills neighborhood from 7:15 to 7:30 a.m. and there were no landfill odors detected. No odors were detected at the site. Dust Boss misters were being used at the CC-4 Part 3 working face to control localized odors.

During the 2nd 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.

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.

In April, rain events caused deep erosion rills in the stockpiled soil east of Basin A. All other conveyance systems performed well. In May, the alluvial water removal system cut-off wall pump was not properly operating causing water seeps in the terminal basin's side wall and floor. In June, ponding water was observed in a low spot on the County top deck south of the flare access road.

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 2nd Quarter, surface drainage systems were in place to intercept or divert rainwater away from prior landfill cells and current filling operations. Most of these were temporary systems in active areas, and most conveyance V-ditches were unlined. 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. Some gullies and ruts were observed on the slopes above the CC-4 Part 3 basin to the east of Basin A in the soil stockpile area.

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

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

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

Current Status/Comments – In April, Basin A had approximately 60% of the floor covered with standing water. A minimal amount of water was observed being discharged into the westside channel. Basin B was free of water, with the floor areas covered with dry and moist sediment. Wind-blown litter was observed in the east area of the basin and in the native vegetation. Litter was also observed in the back eastern area. Vegetation was growing in cracks in the high-flow spillway. The terminal basin had standing water at the outlet risers with a significant amount of litter floating on the water. Over half of the basin's floor was covered with a significant amount of sediment. The outlet channel had some sediment and windblown litter was present. Vegetation was growing out

of concrete cracks and expansion joints in the walls, floor, and walkway. The skimmers were not operating.

In May, Basin A had approximately 60% of the floor covered with water and sediment. Basin B was dry and had sediment and windblown litter and debris on the floor. The terminal basin had standing water and wet sediment with floating litter at the outlet risers. Vegetation had not yet been removed from the concrete walls and floor. Alluvial cut-off wall water was seeping into the basin.

In June, Basin A had approximately 50% of the basin floor covered with water and wet sediment. Basin B had dry sediment with vegetation growing out of it and the concrete spillway. The terminal basin was 90% free of water. A significant amount of sediment was removed. There was standing water with floating litter around the outlet risers. Vegetation in the concrete had not been removed.

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 – During the 2nd Quarter, a preventative maintenance program with 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 was performed on a monthly basis. A summary report should be issued on a quarterly basis. Prior reports have been reviewed and are available at the landfill's main office.

In the 2nd Quarter, it was observed that vegetation was growing out of numerous cracks in the water retention 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.

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 2nd 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 2nd 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 – An updated mitigation tree report evaluating the impacts of the Saddleridge Fire was prepared.

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 is 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. 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 on this mitigation project.

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 2nd Quarter site visits, Sierra Highway and the adjacent neighborhood were cleared of any illegally dumped waste and any litter.

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

Current Status/Comments – Throughout the 2nd 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 2nd Quarter, there was no grading in native undisturbed areas that required paleontological monitoring.

Republic's Site Procedures Due to 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 2nd 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 in the 4th Quarter of 2019. These will be reviewed again in the 3rd Quarter of 2020. 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 3rd 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 2nd 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
(04-30-2020 through 06-30-2020)

	Reference #	Mitigation #	City Mitigation Measures and Conditions Monitored by Discipline	Monitoring Frequency	First Quarter 2020												Second Quarter 2020											
					1/13/2020	Status*	Further Review Needed/Comments**	Resolved*	2/26/2020	Status*	Further Review Needed/Comments**	Resolved*	3/25/2020	Status*	Further Review Needed/Comments**	Resolved*	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*
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	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	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		✓	C	NONE		✓	C	NONE		✓	C	I-1	
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-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
20	Q - C.10.d. (1)		Alternative Fuel Vehicles	status																								
21	Q - C.10.d. (2)		Alternative Fuel Refuse Collection Trucks	status																								

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

Sunshine Canyon Landfill City Mitigation Monitoring Summary
(04-30-2020 through 06-30-2020)

	Reference #	Mitigation #	City Mitigation Measures and Conditions Monitored by Discipline	Monitoring Frequency	First Quarter 2020												Second Quarter 2020											
					1/13/2020	Status*	Further Review Needed/Comments**	Resolved*	2/26/2020	Status*	Further Review Needed/Comments**	Resolved*	3/25/2020	Status*	Further Review Needed/Comments**	Resolved*	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*
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-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
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-a		✓	C	I-b		✓	C	I-c		✓	C	I-d		✓	C	I-e		✓	C	I-f	
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-a		✓	C	I-b		✓	C	I-c		✓	C	I-d		✓	C	I-e		✓	C	I-f	
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-a		/		I-b		/		I-c		/		I-d		/		I-e		/		I-f	
38	M - 4.2.13	30	Operational Odor Control Techniques	ongoing	/		I-a		/		I-b		/		I-c		/		I-d		/		I-e		/		I-f	
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-a		/		I-b		/		I-c		/		I-d		/		I-e		/		I-f	
41	M - 4.2.13	33	Odor Control Measures	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	I-d		✓	C	I-e		✓	C	I-f	

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42	M - 4.2.13	34	Odor/LFG Monitoring	ongoing	/		I-a		/		I-b		/		I-c		/		I-d		/		I-e		/		I-f	
43			Periodic LFG Monitoring		/		I-a		/		I-b		/		I-c		/		I-d		/		I-e		/		I-f	
44	M - 4.3.2	52	LFG Migration Mitigation	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
45	M - 4.3.2	57	Dust Control Water	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	I-d		✓	C	I-e		✓	C	I-f	
46	M - 4.4.2	69	Offsite Mitigation Sites	status	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
47	M - 4.4.2	70	Purchasing Wetland Credit	status	/				/				/				/				/				/			
48	M - 4.4.2	71	Funding-Invasive Species Eradication Program	status	/				/				/				/				/				/			
49	M - 4.6	85	Site Lighting	status	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	I-d		✓	C	I-e		✓	C	I-f	
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	NONE		✓	C	NONE		✓	C	NONE	
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-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
83	M - 4.3.2	47	Landfill Liner	ongoing																								

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84	M - 4.3.2	48	Landfill Liner	ongoing																								
85	M - 4.3.2	54	Preliminary Closure/Postclosure Plan	status																								
86	M - 4.3.2	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-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
90																												
91	Hydrologist																											
92																												
93																												
94	M - 4.1.4	11	Earthquake Operations Checklist	upon event	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
95	M - 4.3.1	36	Surface Water Infiltration Minimization	ongoing																								
96	M - 4.3.1	37	Surface Drainage Systems	ongoing	✓	C	I-a		✓	C	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
97	M - 4.3.1	38	Permanent/Temporary Ditches	ongoing	✓	C	I-a		✓	C	I-b		✓	FRN	I-c		✓	C	I-d		✓	C	I-e		✓	FRN	I-f	
98	M - 4.3.1	39	Drainage Protection	ongoing	✓	C	I-a		✓	C	I-b		✓	FRN	I-c		✓	C	I-d		✓	C	I-e		✓	FRN	I-f	
99	M - 4.3.1	40	SWRCB Permit Coverage	ongoing	✓	C	I-a		✓	C	I-b		✓	C	I-c		✓	C	I-d		✓	C	I-e		✓	C	I-f	
100	M - 4.3.1	41	Surface Water Collection System	ongoing																								
101	M - 4.3.1	42	Surface Water Quality Monitoring	ongoing																								
102	M - 4.3.1	43	Sediment Basin Maintenance	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
103	M - 4.3.1	44	Final Landfill Cover	ongoing																								
104	M - 4.3.1	45	Erosion Control Plan	ongoing	✓	C	I-a		✓	C	I-b		✓	C	I-c		✓	C	I-d		✓	C	I-e		✓	C	I-f	
105	M - 4.3.1	46	Preventive Maintenance Program	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	

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106	M - 4.3.2	49	Interception of Groundwater Seepage	ongoing																								
107	M - 4.3.2	50	LCRS/Leachate Monitoring	ongoing	✓	C	I-a		✓	C	I-b		✓	C	I-c		✓	C	I-d		✓	C	I-e		✓	C	I-f	
108	M - 4.3.2	51	LCRS Monitoring	ongoing																								
109																												
110	Biologist																											
111																												
112																												
113	M - 4.1.1	6	Slope Erosion Control	ongoing	✓	C	I-a		✓	C	I-b		✓	C	I-c		✓	C	I-d		✓	C	I-e		✓	C	I-f	
114	M - 4.2.11	23	Revegetation/Excavation	ongoing	✓	C	I-a		✓	C	I-b		✓	C	I-c		✓	C	I-d		✓	C	I-e		✓	C	I-f	
115	M - 4.2.12		Temporary Vegetation Cover	ongoing	✓	C	I-a		✓	C	I-b		✓	C	I-c		✓	C	I-d		✓	C	I-e		✓	C	I-f	
116	M - 4.4.1	60	Coastal Sage Scrub Mitigation Plan	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
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-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
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-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
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-a		✓	C	I-b		✓	C	I-c		✓	C	I-d		✓	C	I-e		✓	C	I-f	
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-a		✓	C	I-b		✓	C	I-c		✓	C	I-d		✓	C	I-e		✓	C	I-f	

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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-a		/		I-b		/		I-c		/		I-d		/		I-e		/		I-f	
7	Amendment 45.N - 4.c	45N	Odor Patrol Program	ongoing	/		I-a		/		I-b		/		I-c		/		I-d		/		I-e		/		I-f	
8	Amendment 45.N - 4.d	45N	Landfill Gas Mitigation Plan	ongoing	/		I-a		/		I-b		/		I-c		/		I-d		/		I-e		/		I-f	
9	Amendment 45.N - 5	45N	Dust and Odor Reports	ongoing	/		I-a		/		I-b		/		I-c		/		I-d		/		I-e		/		I-f	
10																												
11	Combined Site & Bridge Area -20.A	20.A	Joint Powers Authority	info	/				/				/				/				/				/			
12	Combined Site & Bridge Area -20.F	20.F	Mitigation Reporting and Monitoring Program Amendment	status	/				/				/				/				/				/			
13	Landfill Capacity - 27	27	Tipping Fees for Partial Loads/Peak Hours	status																								
14	Grading & Drainage-41.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-a		✓	C	I-b		✓	C	I-c		✓	C	I-d		✓	C	I-e		✓	C	I-f	
16	Fugitive Dust - 45.B	45.B	Working Face Areas	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	I-d		✓	C	I-e		✓	C	I-f	
17	Fugitive Dust - 45.F	45.F	Inactive Areas Monitoring	ongoing	✓	C	I-a		✓	C	I-b		✓	C	I-c		✓	C	I-d		✓	C	I-e		✓	C	I-f	
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-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
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-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
47	Groundwater - 3.13		Groundwater-LFG Migration Mitigation	ongoing																								

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48	Groundwater - 3.14		Groundwater-Monitoring Wells	ongoing																								
49	BIOTA – 4.05		Annual Fee Submission for SEA Studies	status	/				/				/				/				/				/			
50	BIOTA – 4.06		Buffer Zone Maintenance as Nature Preserve	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
51	BIOTA – 4.07		Buffer Zone Maintenance-Vegetation	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
52	BIOTA – 4.08		Ridgeline Maintenance-Remain Undisturbed	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
53	BIOTA – 4.47		Cleaning of Equipment	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
54	BIOTA – 4.48		Monitoring of Vector-Attracting Items	ongoing																								
55	BIOTA – 4.49		Salvaged Material Storage-Vector Control	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
56	BIOTA – 4.50		Vector Activity Monitoring	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
57	Air Quality - 6.03		Dust Emission Minimization	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	C	I-c		✓	C	I-d		✓	C	I-e		✓	C	I-f	
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-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
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	NONE		✓	C	NONE		✓	C	NONE	
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-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
129	Geology - 1.02		Seismic Design	ongoing																								
130	Geology - 1.03		Maximum Refuse Slope Gradients	ongoing																								
131	Geology - 1.04		Maximum Refuse Slope Gradients	ongoing																								
132	Geology - 1.05		Unsuitable Material Procedures	ongoing																								
133	Geology - 1.06		Grading Activities Procedures	ongoing																								
134	Geology - 1.07		Grading Activities Procedures	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	C	I-d		✓	C	I-e		✓	C	I-f	

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135	Geology - 1.09		Outer Perimeter Ridgeline Requirements	info																								
136	Geology - 1.12		Soil Stabilization	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
137	Geology - 1.16		Checklists/Surveys Following Earthquake	upon event	✓	NA	NONE		✓	NA	NONE		✓	NA	NONE		✓	NA	NONE		✓	NA	NONE		✓	NA	NONE	
138	Geology - 1.18		Alluvium-Removal/Replacement	ongoing																								
139	Geology - 1.19		Landfill Design/Construction	ongoing																								
140	Geology - 1.20		Landfill Design/Construction-Foundations	ongoing																								
141	Surface Water - 2.03		Surface Drainage Control Facilities	ongoing	✓	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-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
148	Visual – 10.02		Final Fill Elevations	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
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	✓	C	I-a		✓	C	I-b		✓	C	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	

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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-a		✓	C	I-b		✓	C	I-c		✓	C	I-d		✓	C	I-e		✓	C	I-f	
164	Surface Water - 2.11		Surface Water Quality-Collection/Monitoring	ongoing																								
165	Surface Water - 2.12		Permanent/Temporary Drainage Facilities	ongoing	✓	C	I-a		✓	C	I-b		✓	C	I-c		✓	C	I-d		✓	C	I-e		✓	C	I-f	
166	Surface Water - 2.13		Permanent/Temporary Drainage Facilities	ongoing																								
167	Surface Water - 2.14		Erosion Control Plan	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
168	Groundwater - 3.03		Interception of Groundwater Seepage	ongoing																								
169	Groundwater - 3.06		Monitoring Wells	ongoing																								
170																												
171	Biologist																											
172																												
173																												
174	Revegetation - 44	44	Revegetation/Cover Requirements	ongoing																								
175	Revegetation - 44.A	44.A	Temporary Hydroseed Vegetation	ongoing	✓	C	I-a		✓	C	I-b		✓	C	I-c		✓	C	I-d		✓	C	I-e		✓	C	I-f	
176	Revegetation - 44.B	44.B	Interim Reclamation/Revegetation Plan-Sold Waste	ongoing																								
177	Revegetation - 44.D	44.D	Final Fill Slope Requirements	ongoing																								
178	Revegetation - 44.E	44.E		ongoing																								
179																												
180	Geology - 1.13		Drainage Plan Approval	ongoing	✓	C	I-a		✓	C	I-b		✓	C	I-c		✓	C	I-d		✓	C	I-e		✓	C	I-f	
181	Geology - 1.14		Personnel Retention for Monitoring Soil Erosion	ongoing	✓	C	I-a		✓	C	I-b		✓	C	I-c		✓	C	I-d		✓	C	I-e		✓	C	I-f	
182	Groundwater - 3.11		Irrigation/Revegetation Management-Personnel Retention	ongoing																								
183	BIOTA – 4.10		Oak Tree Permit	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	C		✓	C	I-e		✓	C	I-f	

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184	BIOTA – 4.11		Oak Tree Mitigation Plan	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	C		✓	C	I-e		✓	C	I-f	
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-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
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-a		✓	C	I-b		✓	C	I-c		✓	C	I-d		✓	C	I-e		✓	C	I-f	
202	BIOTA – 4.43		Replacement Riparian Habitat	status	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
203	Air Quality - 6.02		Dust Control	ongoing	✓	C	I-a		✓	C	I-b		✓	C	I-c		✓	C	I-d		✓	C	I-e		✓	C	I-f	
204	Visual – 10.06		Upper Ridge Planting/Revegetation	ongoing																								
205	Visual – 10.07		Tree Planting Around Perimeter	ongoing																								
206	Visual – 10.08		Cover/Revegetation Requirements	ongoing	✓	C	I-a		✓	C	I-b		✓	C	I-c		✓	C	I-d		✓	C	I-e		✓	C	I-f	
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	✓	C	I-a		✓	C	I-b		✓	C	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	
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	NONE		✓	C	NONE		✓	C	NONE	

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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-a		✓	C	I-b		✓	C	I-c		✓	C	I-d		✓	C	I-e		✓	C	I-f	
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-a		✓	C	I-b		✓	C	I-c		✓	C	I-d		✓	C	I-e		✓	C	I-f	
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
(04-30-2020 through 06-30-2020)

Line #	Reference #	Mitigation #	County Mitigation Measures and Conditions Monitored by Discipline	Monitoring Frequency	First Quarter 2020												Second Quarter 2020											
					1/13/2020	Status*	Further Review Needed/Comments**	Resolved*	2/26/2020	Status*	Further Review Needed/Comments**	Resolved*	3/25/2020	Status*	Further Review Needed/Comments**	Resolved*	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*
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-a		✓	C	I-b		✓	C	I-c		✓	C	I-d		✓	C	I-e		✓	C	I-f	
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-d through I-f
Second 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-d through I-f: There was no grading outside of the approved landfill development limits during the 2nd Quarter. Cell CC-4 Part 3 was the only area accepting waste during the 2nd Quarter. Cell CC-4 Part 1/2 was at the finished elevation for this phase. CC-4 Part 4A started construction in June. 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-d through I-f: See Q – B.2.c above.
		Geology - 1.12	County DPW EPD/SCL-LEA	I-d through I-f: See Q – B.2.c above.
	Q - C.3.h		City Planning	I-d and I-f: In April, localized dust clouds occurred on the County top deck when soil importation trucks used the dirt roads. In May, packer trucks using the top decks' roads from the scales to the active area generated localized dust clouds. The use of more water trucks employed on a demand basis should be considered.
	Q - C.10.c		City Planning	I-d: The gas-to-energy plant usage was not recorded. Flare 1: 2385 SCFM of recovered landfill gas, 34% CH4, 1.6% O2, 100 ppm H2S; Flare 3: was not operating; Flare 9: 3181 SCFM; Flare 10: 3113 SCFM; Flare 11: 3136. The total volume of landfill gas being flared was 11,815 SCFM. The quality of the gas recovered was 43% CH4, 1.7% O2 and 99 ppm H2S. I-e: The gas-to-energy plant was using 9808 SCFM of recovered landfill gas, 42% CH4, 1.3% O2, 100 ppm H2S. Flare 1: 2678 SCFM, 34% CH4, 1.5% O2, 100 ppm H2S; Flare 3: 1898 SCFM; Flare 9: 2367 SCFM; Flare 10: 2259 SCFM; Flare 11: 2284 SCFM. The total volume of landfill gas being recovered was 21,294 SCFM. I-f: The gas-to-energy plant was using 9069 SCFFM of recovered landfill gas, 41% CH4, 1.3% O2, 89 ppm H2S. Flare 1: 2750 SCFM, 33% CH4, 1.7% O2, 100 ppm H2S; Flare 3: was not operating; Flare 9: 3087 SCFM; Flare 10: 3111 SCFM; Flare 11: 3066 SCFM. The total volume of landfill gas being recovered was 21, 086 SCFM. I-e and I-f: The quantity of landfill gas being recovered during the 2nd Quarter has a daily average of 21,190 SCFM, with the gas-to-energy plant usage averaging 9439 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-d and I-f: See Q - C.10.c above.
		Gas - 52	County DPW EPD/SCL-LEA County Forester Fire Warden	I-d and I-f: See Q - C.10.c above.
	T-4		City Planning, City Fire Department	I-d through I-f: An updated fire plan showing the new locations of all facilities, and normal and emergency ingress and egress should be prepared and sent to the local City fire department station and City and County planning 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-d through I-f: See T-4 above.
	M - 4.1.1 / 7		City Planning, DOGGR	I-d through I-f: The old abandoned oil well casing adjacent to the new secondary access road from the Flare 11 site was not reabandoned. An evaluation of the need to reabandon this well should be done. This well was not leaking oil or gas, and did not pose a current hazard. It is well beyond the approved landfill limits.
		Re-abandonment Procedures	County Planning, County DPW EPD/SCL-LEA, DOGGR	I-d through I-f: See M - 4.1.1 / 7 above.
	M - 4.1.4 / 11	Post-5.0 Earthquake Analysis	City Planning	I-d through I-f: There were no earthquakes of 5.0 or greater during this monitoring period.
	M - 4.2.12 / 26 and 28		City Planning/SCAQMD	I-d through I-f: During the 2nd Quarter, Closure Turf was being maintained, and gas and liquids recovery systems under the turf were performing well. This cover material was in lieu of vegetation on the south-facing slopes, and controlled and eliminated dust and erosion. 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.
		Fugitive Dust - 45.F	County DPH/County LEA County DPW-EPD County Biologist	I-d through I-f: See M - 4.2.12 / 28 above.
	M -4.2.13/ 29, 30, 32, 33, and 34		City Planning/SCL-LEA/SCAQMD	I-d through I-f: Compliance with these mitigation measures, concerning landfill gas monitoring and odor control and detection, is being monitored by a multi-agency team led by the SCAQMD. Only obvious gas emission sources, odorous operations related to gas and/or gas and landfill liquids, lack of cover, or exposed trash resulting in odor observed during the monitoring visit are reported.
		Amendment 45.N-4.a, 4.c, 4.d	County DPW-EPD	I-d through I-f: See M -4.2.13/ 29, 30, 32, 34 above.
		Amendment 45.N-5	County DPW-EPD	I-d through I-f: See M -4.2.13/ 29, 30, 32, 34 above.
	M - 4.2.13 / 33		City Planning/SCAQMD	I-d: The monitor drove the Granada Hills neighborhood area from 7:00 to 7:45 a.m., and there were no landfill odors detected. Localized odors at the working face in Cell CC-4 Part 3 were being controlled by two Dust Boss misters. There were no other localized odor sources detected. I-e: The monitor drove the Granada Hills neighborhood areas from 7:15 to 7:30 a.m., and there were no landfill odors detected. No odors were detected at the site. 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. There were two SCAQMD NOVs issued in May for nuisance odors. I-f: The monitor drove the Granada Hills neighborhood from 7:15 to 7:30 a.m. and there were no landfill odors detected. No odors were detected at the site. Dust Boss misters were being used at the CC-4 Part 3 working face to control localized odors. I-d and I-f: 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.

Discipline	City Condition Reference # / Mitigation #	County Condition Reference #/ Mitigation #	Responsible Agency	Further Review Needed – Comments
Project Manager	M - 4.2.13 / 34		City Planning/SCAQMD	I-d through I-ff: See M-4.2.13/29, 30, and 32 above.
		Odor/Landfill Gas - 7.06	County DPW-EPD/SCL-LEA/SCAQMD	I-d and I-f: See M-4.2.13/33 above.
		Amendment 45.N - 4.a, 4.c, 4.d	County DPW-EPD	I-d and I-f: See M-4.2.13/29, 30, 32, and 34 above.
		Amendment 45.N - 5	County DPW-EPD	I-d and I-f: See M-4.2.13/29, 30, 32, and 34 above.
		Surface Water - 2.15	County DPW EPD/ LARWQCB, SCL- LEA	I-d through I-f: A preventative maintenance program with inspection of facility equipment, systems and storm water management devices to detect conditions that may cause breakdowns or failures resulting in discharge of materials into stormwater should be performed on a monthly basis, with a summary report issued on a quarterly basis. These reports have been reviewed and are available at the landfill's main office. In the 2nd Quarter, it was observed that vegetation was growing out of numerous cracks in the water retention 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.
	M - 4.4.2/ 69		City Planning	I-d through I-f: The City is 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. 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.
		Biota - 4.4.3	CDFW	I-d through I-f: See M - 4.4.2 / 69 above.
	M - 4.9.3 / 110		City Planning/City LEA	I-d through I-f: During the 2nd Quarter site visits, Sierra Highway and the adjacent neighborhood were cleared of any illegally dumped waste and any litter.
Civil and Geotechnical Engineer	M - 4.1.1 / 2		City Building and Safety City Planning	I-d through I-f: See M - 4.1.1 / 5 below.

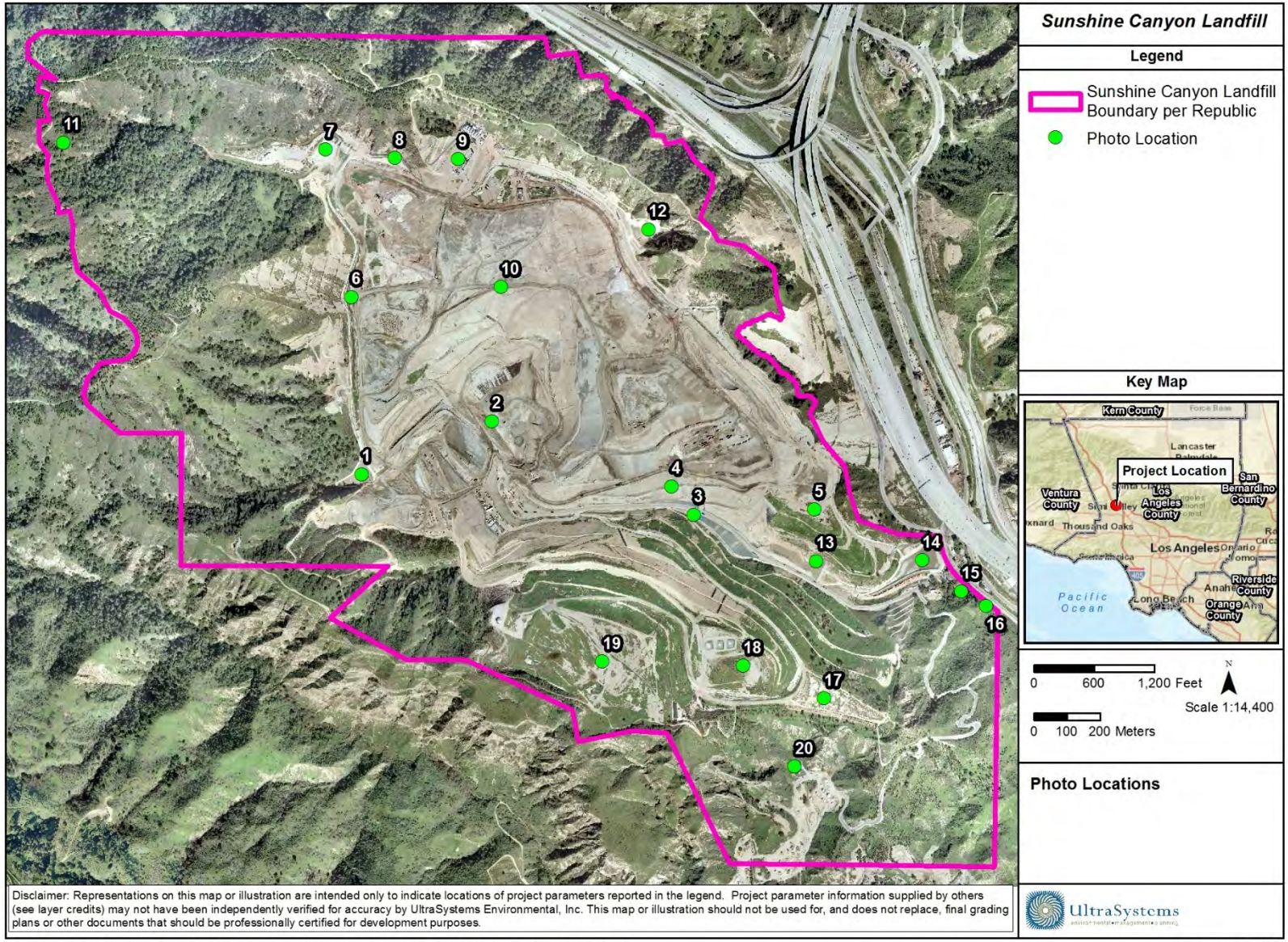
Discipline	City Condition Reference # / Mitigation #	County Condition Reference #/ Mitigation #	Responsible Agency	Further Review Needed – Comments
Civil and Geotechnical Engineer	M - 4.1.1 / 4		City Planning/LARWQCB Cal Recycle	I-d through I-f: See M - 4.1.1 / 5 below.
	M - 4.1.1 / 5		City Planning/ LARWQCB Cal Recycle	I-d through I-f: There was no grading outside of the approved landfill development limits during the 2nd Quarter. Cell CC-4 Part 3 was the only area accepting waste during the 2nd Quarter. Cell CC-4 Part 1/2 was at the finished elevation for this phase. CC-4 Part 4A started construction in June. 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-d through I-f: See M - 4.1.1 / 5 above.
	M - 4.1.5 / 12		City Planning/LARWQCB Cal Recycle	I-d through I-f: See M - 4.1.1 / 5 above.
	M - 4.1.6 / 18			I-d through I-f: The landfill perimeter boundary survey PVC marker pipes have been removed in areas where Edison pole grading took place, near the Flare 11 site pad grading and near the CC-4 Part 3 buttress. These boundary markers have not been replaced. All markers should be replaced once Cell CC-4 construction is completed.
	M - 4.14.1 / 155		City Planning/Cal Recycle PW-BOE LADBS City LEA	I-d through I-f: Access roads were being maintained around the working area for emergency access.
	M - 4.18 / 178		City Planning/City LEA	I-d through I-f: A map showing areas that are at the final elevations and which should have final cover should be available for review. Documents showing current filled elevations should also be available onsite for review. These conditions were not monitored.
		Visual - 10.01 Visual - 10.02	County DPW EPD/ LARWQCB SCL-LEA	I-d through I-f: See M - 4.18 / 178 above.
Hydrologist	M - 4.3.1/ 37, 38		City Planning/ LARWQCB CalRecycle SCL-LEA PW-BOE	I-d through I-f: Surface drainage systems were in place to intercept or divert rainwater away from prior landfill cells and current filling operations. Most of these were temporary systems in active areas, and most conveyance V-ditches were unlined. 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. In April, rain events caused deep erosion rills in the stockpiled soil east of Basin A. All other conveyance systems performed well. In May, the alluvial water removal system cut-off wall pump was not properly operating causing water seeps in the terminal basin's side wall and floor. In June, ponding water was observed in a low spot on the County top deck south of the flare access road.
		Surface Water - 2.03 Surface Water - 2.12	County DPW EPD/ LARWQCB SCL-LEA	I-d through I-f: See M - 4.3.1/ 37, 38 above.
	M - 4.3.1 / 39		City Planning/LARWQCB Cal Recycle	I-d through I-f: See M - 4.3.1/ 37, 38 above.

Discipline	City Condition Reference # / Mitigation #	County Condition Reference #/ Mitigation #	Responsible Agency	Further Review Needed – Comments
Hydrologist	M - 4.3.1 / 40		City Planning/ LARWQCB CalRecycle SCL-LEA PW-BOE LADBS	I-d through I-f: See M - 4.3.1/ 37, 38 above.
	M - 4.3.1 / 43		City Planning/ LARWQCB CalRecycle SCL-LEA PW-BOE LADBS	I-d: In April, Basin A had approximately 60% of the floor covered with standing water. A minimal amount of water was observed being discharged into the westside channel. Basin B was free of water, with the floor areas covered with dry and moist sediment. Wind-blown litter was observed in the east area of the basin and in the native vegetation. Litter was also observed in the back eastern area. Vegetation was growing in cracks in the high-flow spillway. The terminal basin had standing water at the outlet risers with a significant amount of litter floating on the water. Over half of the basin's floor was covered with a significant amount of sediment. The outlet channel had some sediment and windblown litter was present. Vegetation was growing out of concrete cracks and expansion joints in the walls, floor and walkway. The skimmers were not operating. I-e: In May, Basin A had approximately 60% of the floor covered with water and sediment. Basin B was dry and had sediment and windblown litter and debris on the floor. The terminal basin had standing water and wet sediment with floating litter at the outlet risers. Vegetation had not yet been removed from the concrete walls and floor. Alluvial cut-off wall water was seeping into the basin. I-f: In June, Basin A had approximately 50% of the basin floor covered with water and wet sediment. Basin B had dry sediment with vegetation growing out of it and the concrete spillway. The terminal basin was 90% free of water. A significant amount of sediment was removed. There was standing water with floating litter around the outlet risers. Vegetation in the concrete had not been removed.
		Surface Water - 2.10	LARWQCB / County DPW EPD	I-d through I-f: See M - 4.3.1/ 37, 38 and 43 above.
		Surface Water - 2.14	LARWQCB / County DPW EPD	I-d through I-f: See M - 4.3.1 / 37, 38 and 43 above. The current erosion control plans should be available for agency and monitor review.
	M - 4.3.1/ 46		City Planning/ LARWQCB CalRecycle PW-BOE	I-d through I-f: See 2.15 above.
Biologist	M - 4.3.2 / 50		City Planning/ LARWQCB CalRecycle SCL-LEA	I-d through I-f: The old City north top deck has a tank farm of 16 Alder storage tanks for processing recovered leachate and condensate, with a double-wall pipeline to the sewer connection at the entrance near San Fernando Road. This system operated with no odors detected at the tank farm or the sewer connection during the 2nd Quarter. Tank farm liquids were being treated with hydrogen peroxide.
	M - 4.1.1 / 6		City Planning/ LARWQCB CalRecycle SCL-LEA LADBS	I-d through I-f: See M - 4.2.12 / 28 above.

Discipline	City Condition Reference # / Mitigation #	County Condition Reference #/ Mitigation #	Responsible Agency	Further Review Needed – Comments
Biologist		Geology - 1.14	LARWQCB/ County Forester	I-d through I-f: See M - 4.2.12 / 28 above.
	M - 4.2.11 / 23		City Planning	I-d through I-f: See M - 4.2.12 / 28 above.
		Geology - 1.13	County DPW EPD/ County Forester LARWQCB	I-d through I-f: See M - 4.2.12 / 28 above.
	M - 4.2.12		SCL-LEA/ City Planning	I-d through I-f: See M - 4.2.12 / 28 above.
		Revegetation - 44.A	SCL-LEA/ County DPW EPD Regional Planning County Biologist	I-d through I-f: See M - 4.2.12 / 28 above.
		Revegetation - 44.F	SCL-LEA/ County DPW EPD Regional Planning County Biologist	I-d through I-f: See M - 4.2.12 / 28 above.
		Biota - 4.42	SCL-LEA	I-d through I-c: See M - 4.2.12 / 28 above.
		Air Quality - 6.02	SCAQMD/ SCL-LEA	I-d through I-f: See M - 4.2.12 / 28 above.
		Visual - 10.08	County Forester	I-d through I-f: See M - 4.2.12 / 28 above.
	M - 4.4.1 / 60		City Planning	I-d through I-f: During the 2nd Quarter, sage mitigation areas 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-d through I-f: See M - 4.4.1 / 60 above.
		Biota - 4.10	County LEA/CDFW	I-d through I-f: An updated mitigation tree report evaluating the impacts of the Saddleridge Fire was prepared.
	M - 4.4.3 / 72		City Planning	I-d through I-f: See Biota - 4.10 above.
	M - 4.9.4 / 121		City Planning/Cal Recycle Cal OSHA LAFD City LEA	I-d through I-f: See T-4 above.
	M-4.9.4/ 125		City Planning/ CalRecycle Cal OSHA SCL-LEA	I-d through I-f: During the 2nd Quarter of 2020, the south oil field gate and north perimeter gate were observed to be locked.

Discipline	City Condition Reference # / Mitigation #	County Condition Reference #/ Mitigation #	Responsible Agency	Further Review Needed – Comments
Paleontologist	M-4.19.2/ 191		City Planning	I-d through I-f: During the 2nd Quarter, there was no grading in native undisturbed areas that required paleontological monitoring.
Paleontologist		Ecological Significance 62	County Planning	I-d through I-f: See M-4.19.2/ 191 above.

Appendix II
Relevant Site Photos


Sunshine Canyon Landfill
Legend
Sunshine Canyon Landfill Boundary per Republic
Photo Location
Key Map
Kern County
Project Location
Ventura County
Los Angeles County
San Bernardino County
Riverside County
Orange County
Pacific Ocean
Thousand Oaks
Los Angeles
Long Beach
0 600 1,200 Feet
Scale 1:14,400
0 100 200 Meters
N
Photo Locations
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Path: J:\Projects\5800_Sunshine_Canyon\MXDs\PhotoLocations\5800_Sunshine_Canyon_PhotoLocations_2017_Quarterly_Report_#3.mxd
November 13, 2017
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Photo Location Map Key

Map Location	Title	Photo Number
1	Basin A	1 – 40
2	Working Area, CC4 Part 1 and Part 2	–
3	Working Area, CC4 Part 3	41 – 102
4	Cell Construction Area, CC-4 Part 4A	103 – 181
5	Closure Turf	182 – 198
6	New Office and Scales Location	199 – 231
7	Alder Tank Liquids Treatment System	232 – 239
8	County Sage Mitigation Area and Westside Drainage Channels	240 – 280
9	Basin D	281 – 287
10	Basin D Material Storage Area	288 – 289
11	Basin D Outlet Channel	–
12	Flares 9, 10, 11 and Gas-to-Energy Facility	290 – 303
13	County Top Deck	304 – 329
14	North Access Road	330 – 335
15	Basin B	336 – 360
16	Eastside Drainage Channel	361 – 368
17	Terminal Basin	369 – 422
18	Greywater Sewer Connection	–
19	Retaining Wall at San Fernando Road	–
20	Sage Mitigation, Deck C	423 – 434
21	Sage Mitigation, Deck B	435 – 457
22	Sage Mitigation, Deck A	–
23	Southern Ownership Buffer	–
–	General Site	458 – 498

Photo 1: Basin A: April 28, 2020

Photo 2: Basin A: April 28, 2020

Photo 3: Basin A: April 28, 2020

Photo 4: Basin A: April 28, 2020

Photo 5: Basin A: April 28, 2020

Photo 6: Basin A: April 28, 2020

Photo 7: Basin A Outlet: April 28, 2020

Photo 8: Basin A Outlet: April 28, 2020

Photo 9: Basin A Outlet: April 28, 2020

Photo 10: Basin A: April 28, 2020

Photo 11: Basin A: May 26, 2020

Photo 12: Basin A: May 26, 2020

Photo 13: Basin A: May 26, 2020

Photo 14: Basin A: May 26, 2020

Photo 15: Basin A: May 26, 2020

Photo 16: Basin A: May 26, 2020

Photo 17: Basin A: May 26, 2020

Photo 18: Basin A: May 26, 2020

Photo 19: Basin A Outlet: May 26, 2020

Photo 20: Basin A Outlet: May 26, 2020

Photo 21: Basin A Outlet: May 26, 2020

Photo 22: Basin A Outlet: May 26, 2020

Photo 23: Basin A Outlet: May 26, 2020

Photo 24: Basin A: June 23, 2020

Photo 25: Basin A: June 23, 2020

Photo 26: Basin A: June 23, 2020

Photo 27: Basin A: June 23, 2020

Photo 28: Basin A: June 23, 2020

Photo 29: Basin A: June 23, 2020

Photo 30: Basin A: June 23, 2020

Photo 31: Basin A: June 23, 2020

Photo 32: Basin A: June 23, 2020

Photo 33: Basin A: June 23, 2020

Photo 34: Basin A: June 23, 2020

Photo 35: Basin A: June 23, 2020

Photo 36: Basin A: June 23, 2020

Photo 37: Basin A: June 23, 2020

Photo 38: Basin A: June 23, 2020

Photo 39: Basin A: June 23, 2020

Photo 40: Basin A Outlet: June 23, 2020

Photo 41: Working Area, CC-4 Part 3: April 28, 2020

Photo 42: Working Area, CC-4 Part 3: April 28, 2020

Photo 43: Working Area, CC-4 Part 3: April 28, 2020

Photo 44: Working Area, CC-4 Part 3: April 28, 2020

Photo 45: Working Area, CC-4 Part 3: April 28, 2020

Photo 46: Working Area, CC-4 Part 3: April 28, 2020

Photo 47: Working Area, CC-4 Part 3: April 28, 2020

Photo 48: Working Area, CC-4 Part 3: April 28, 2020

Photo 49: Working Area, CC-4 Part 3: April 28, 2020

Photo 50: Working Area, CC-4 Part 3: April 28, 2020

Photo 51: Working Area, CC-4 Part 3: April 28, 2020

Photo 52: Working Area, CC-4 Part 3: April 28, 2020

Photo 53: Working Area, CC-4 Part 3: April 28, 2020

Photo 54: Working Area, CC-4 Part 3: April 28, 2020

Photo 55: Working Area, CC-4 Part 3: April 28, 2020

Photo 56: Working Area, CC-4 Part 3: April 28, 2020

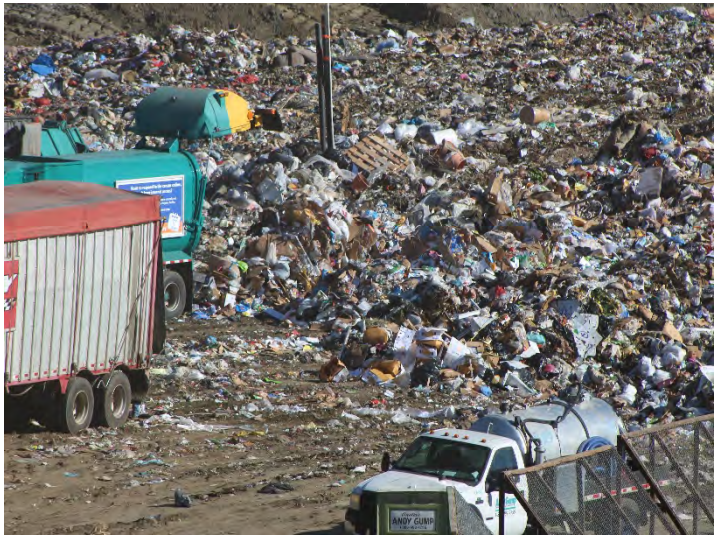

Photo 57: Working Area, CC-4 Part 3: April 28, 2020

Photo 58: Working Area, CC-4 Part 3: April 28, 2020

Photo 59: Working Area, CC-4 Part 3: April 28, 2020

Photo 60: Working Area, CC-4 Part 3: April 28, 2020

Photo 61: Working Area, CC-4 Part 3: April 28, 2020

Photo 62: Working Area, CC-4 Part 3: April 28, 2020

Photo 63: Working Area, CC-4 Part 3: April 28, 2020

Photo 64: Working Area, CC-4 Part 3: May 26, 2020

Photo 65: Working Area, CC-4 Part 3: May 26, 2020

Photo 66: Working Area, CC-4 Part 3: May 26, 2020

Photo 67: Working Area, CC-4 Part 3: May 26, 2020

Photo 68: Working Area, CC-4 Part 3: May 26, 2020

Photo 69: Working Area, CC-4 Part 3: May 26, 2020

Photo 70: Working Area, CC-4 Part 3: May 26, 2020

Photo 71: Working Area, CC-4 Part 3: May 26, 2020

Photo 72: Working Area, CC-4 Part 3: May 26, 2020

Photo 73: Working Area, CC-4 Part 3: May 26, 2020

Photo 74: Working Area, CC-4 Part 3: May 26, 2020

Photo 75: Working Area, CC-4 Part 3: May 26, 2020

Photo 76: Working Area, CC-4 Part 3: June 23, 2020

Photo 77: Working Area, CC-4 Part 3: June 23, 2020

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Photo 79: Working Area, CC-4 Part 3: June 23, 2020

Photo 80: Working Area, CC-4 Part 3: June 23, 2020

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Photo 100: Working Area, CC-4 Part 3: June 23, 2020

Photo 101: Working Area, CC-4 Part 3: June 23, 2020

Photo 102: Working Area, CC-4 Part 3: June 23, 2020

Photo 103: Cell Construction Area, CC-4 Part 4A: April 28, 2020

Photo 104: Cell Construction Area, CC-4 Part 4A: May 26, 2020

Photo 105: Cell Construction Area, CC-4 Part 4A: May 26, 2020

Photo 106: Cell Construction Area, CC-4 Part 4A: May 26, 2020

Photo 107: Cell Construction Area, CC-4 Part 4A: May 26, 2020

Photo 108: Cell Construction Area, CC-4 Part 4A: May 26, 2020

Photo 109: Cell Construction Area, CC-4 Part 4A: June 23, 2020

Photo 110: Cell Construction Area, CC-4 Part 4A: June 23, 2020

Photo 111: Cell Construction Area, CC-4 Part 4A: June 23, 2020

Photo 112: Cell Construction Area, CC-4 Part 4A: June 23, 2020

Photo 113: Cell Construction Area, CC-4 Part 4A: June 23, 2020

Photo 114: Cell Construction Area, CC-4 Part 4A: June 23, 2020

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Photo 170: Cell Construction Area, CC-4 Part 4A: June 23, 2020

Photo 171: Cell Construction Area, CC-4 Part 4A: June 23, 2020

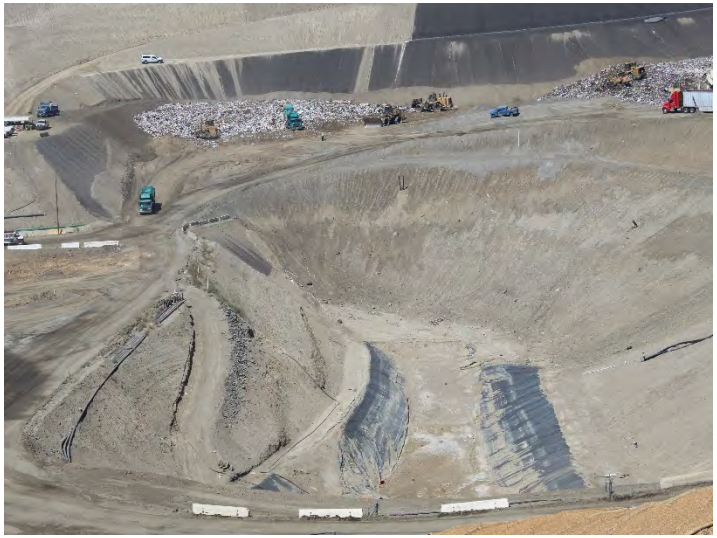

Photo 172: Cell Construction Area, CC-4 Part 4A: June 23, 2020

Photo 173: Cell Construction Area, CC-4 Part 4A: June 23, 2020

Photo 174: Cell Construction Area, CC-4 Part 4A: June 23, 2020

Photo 175: Cell Construction Area, CC-4 Part 4A: June 23, 2020

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Photo 180: Cell Construction Area, CC-4 Part 4A: June 23, 2020

Photo 181: Cell Construction Area, CC-4 Part 4A: June 23, 2020

Photo 182: Closure Turf: April 28, 2020

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Photo 195: Closure Turf: June 23, 2020

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Photo 199: New Office & Scales Location: April 28, 2020

Photo 200: New Office & Scales Location: April 28, 2020

Photo 201: New Office & Scales Location: April 28, 2020

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Photo 220: New Office & Scales Location: June 23, 2020

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Photo 230: New Office & Scales Location: June 23, 2020

Photo 231: New Office & Scales Location: June 23, 2020

Photo 232: Adler Tank Liquids Treatment System: May 26, 2020

Photo 233: Adler Tank Liquids Treatment System: May 26, 2020

Photo 234: Adler Tank Liquids Treatment System: May 26, 2020

Photo 235: Adler Tank Liquids Treatment System: May 26, 2020

Photo 236: Adler Tank Liquids Treatment System: June 23, 2020

Photo 237: Adler Tank Liquids Treatment System: June 23, 2020

Photo 238: Adler Tank Liquids Treatment System: June 23, 2020

Photo 239: Adler Tank Liquids Treatment System: June 23, 2020

Photo 240: County Sage Mitigation Area & Westside Drainage Channels: April 28, 2020

Photo 241: County Sage Mitigation Area & Westside Drainage Channels: April 28, 2020

Photo 242: County Sage Mitigation Area & Westside Drainage Channels: April 28, 2020

Photo 243: County Sage Mitigation Area & Westside Drainage Channels: April 28, 2020

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Photo 252: County Sage Mitigation Area & Westside Drainage Channels: April 28, 2020

Photo 253: County Sage Mitigation Area & Westside Drainage Channels: May 26, 2020

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Photo 269: County Sage Mitigation Area & Westside Drainage Channels: June 23, 2020

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Photo 279: County Sage Mitigation Area & Westside Drainage Channels: June 23, 2020

Photo 280: County Sage Mitigation Area & Westside Drainage Channels: June 23, 2020

Photo 281: Basin D: April 28, 2020

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Photo 284: Basin D: April 28, 2020

Photo 285: Basin D: May 26, 2020

Photo 286: Basin D: June 23, 2020

Photo 287: Basin D: June 23, 2020

Photo 288: Basin D Material Storage Area: May 26, 2020

Photo 289: Basin D Material Storage Area: June 23, 2020

Photo 290: Flares 9, 10, 11: May 26, 2020

Photo 291: Flares 9, 10, 11: May 26, 2020

Photo 292: Gas-to-Energy Facility: May 26, 2020

Photo 293: Flares 9, 10, 11: May 26, 2020

Photo 294: Flares 9, 10, 11: May 26, 2020

Photo 295: Flares 9, 10, 11: May 26, 2020

Photo 296: Flares 9, 10, 11: June 23, 2020

Photo 297: Flares 9, 10, 11: June 23, 2020

Photo 298: Flares 9, 10, 11: June 23, 2020

Photo 299: Flares 9, 10, 11: June 23, 2020

Photo 300: Gas-to-Energy Facility: June 23, 2020

Photo 301: Flares 9, 10, 11: June 23, 2020

Photo 302: Flares 9, 10, 11: June 23, 2020

Photo 303: Flares 9, 10, 11: June 23, 2020

Photo 304: County Top Deck: May 26, 2020

Photo 305: County Top Deck: May 26, 2020

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Photo 315: County Top Deck: June 23, 2020

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Photo 329: County Top Deck: June 23, 2020

Photo 330: North Access Road: April 28, 2020

Photo 331: North Access Road: May 26, 2020

Photo 332: North Access Road: May 26, 2020

Photo 333: North Access Road: June 23, 2020

Photo 334: North Access Road: June 23, 2020

Photo 335: North Access Road: June 23, 2020

Photo 336: Basin B: April 28, 2020

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Photo 360: Basin B: June 23, 2020

Photo 361: Eastside Drainage Channel: May 26, 2020

Photo 362: Eastside Drainage Channel: May 26, 2020

Photo 363: Eastside Drainage Channel: May 26, 2020

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Photo 365: Eastside Drainage Channel: June 23, 2020

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Photo 369: Terminal Basin: April 28, 2020

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Photo 422: Terminal Basin: June 23, 2020

Photo 423: Sage Mitigation, Deck C: April 28, 2020

Photo 424: Sage Mitigation, Deck C: April 28, 2020

Photo 425: Sage Mitigation, Deck C: May 26, 2020

Photo 426: Sage Mitigation, Deck C: May 26, 2020

Photo 427: Sage Mitigation, Deck C: May 26, 2020

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Photo 429: Sage Mitigation, Deck C: May 26, 2020

Photo 430: Sage Mitigation, Deck C: May 26, 2020

Photo 431: Sage Mitigation, Deck C: June 23, 2020

Photo 432: Sage Mitigation, Deck C: June 23, 2020

Photo 433: Sage Mitigation, Deck C: June 23, 2020

Photo 434: Sage Mitigation, Deck C: June 23, 2020

Photo 435: Sage Mitigation, Deck B: April 28, 2020

Photo 436: Sage Mitigation, Deck B: April 28, 2020

Photo 437: Sage Mitigation, Deck B: April 28, 2020

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Photo 445: Sage Mitigation, Deck B: May 26, 2020

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Photo 449: Sage Mitigation, Deck B: June 23, 2020

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Photo 456: Sage Mitigation, Deck B: June 23, 2020

Photo 457: Sage Mitigation, Deck B: June 23, 2020

Photo 458: General Site: May 26, 2020

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Photo 485: General Site: June 23, 2020

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UltraSystems
environmental•management•planning

Sunshine Canyon Landfill
Site Monitoring Procedures for April, May, and June 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 April through June 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.

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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

April 2020

Sunshine Canyon Landfill Meeting Log
April 28, 2020 Site Visit
May 6, 2020 Site Monitoring Conference Call

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

Participants:

Tim Stapleton, LACDRP
Edgar De La Torre, LACDRP
Gabriel Esparza, LACDPW
Vu Truong, LACDPW
Dave Thompson, LA City LEA
James Aidukas, UltraSystems
Mike Lindsay, UltraSystems
Michelle Tollett, UltraSystems

Discussion:

To follow CDC guidelines for COVID-19 health protocols, UltraSystems sent a single person to perform a site visit to photograph site conditions. After reviewing the photos, 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 April. 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. Mike Lindsay stated that localized dust clouds were generated from dirt access roads on the County CC-4 Part 1/2 top deck by double bottom dump trucks hauling imported soil to a stockpile area (photos 3643 through 3645); a large dump truck moving cover soil to CC-4 Part 3 generated localized dust clouds; and the dirt access road from the County top deck to CC-4 Part 3 was not being watered (photos 3649, 3659 and 3660).
    - Joshua Mills stated that the double-bottom dump trucks were importing clean soil for future construction projects.
    - Chris Coyle stated that whenever dust becomes a problem, they employ additional water trucks.

b. Mike Lindsay stated that Sediment basin A has standing water covering approximately 60% of the basin (photos 3682 through 3686).
    - Chris Coyle stated that all the sediment basins are designed to hold water and to let the sediment settle out so that clean water can be discharged. They are not using the basin water for dust control due to potential odor problems.

c. Mike Lindsay stated that standing water was observed in a low spot on the County top deck along the perimeter westside roadway (photo 3731).
    - Chris Coyle stated that they were aware of it and repaired the low spot immediately after Mike Lindsay mentioned it on the site visit.

d. Mike Lindsay stated that the northern secondary access road to the Coltrane access has deep erosion ruts on the dirt hill-incline portion of roadway (no photo).
    - Chris Coyle stated that they have money in the budget this month to get that whole road on Republic's property graded. Now that the wet season is over, it will be graded.

e. Mike Lindsay stated that wind-blown litter was observed in the small canyon drainage along the roadway above and west of administration buildings (photo 3755).
    - Chris Coyle stated that they will get the litter picked up.

f. Mike Lindsay stated that wind-blown litter and debris were observed in the southeast portion of Basin B and on the native back hillsides. He noted that the native hillsides are steep and probably hard to clean (photo 3625 and 3626).
    - Chris Coyle agreed that due to the steep slopes, safety is a concern when cleaning those slopes.

g. Mike Lindsay stated that the recent rains caused deep erosion rills in the native soil slope east of Basin A and above CC-4 Part 3 (photos 3707 and 3708).
    - Chris Coyle stated that they will dress-up the whole site this summer.
    - Joshua Mills stated that those slopes are stockpiled native soil and not waste slopes.

h. Mike Lindsay stated that any CC-4 Part 3 localized odors at the working area were being controlled by two Dust Boss misters located in the cell (photo 3581).
    - Joshua Milles acknowledge that statement.

i. Mike Lindsay stated that the terminal basin's east wall has vegetation growing out of many of the concrete expansion joints and cracks (photos 3787 through 3793).
    - Chris Coyle stated that they are performing all the weeding up front in preparation for the fire inspection, which has been delayed until June 1. Once the vegetation is removed, any repairs to the concrete will be done.

<u>Discussion Topics After Reviewing Site Visit Photos</u>

1. (Photos 3565 – 3590) CC-4 Part 1/2 appears to be at the finished elevation for this phase. CC-4 Part 3 is currently the only active fill area.
    a.) Did CC-4 Part 4A get constructed? If so, what are the boundaries of the cell?
    b.) When will the next cell construction start? What will it be called and what will be the boundaries?
        - Chris Coyle stated that CC-4 Part 4A is in the soil stockpile area and construction will start in June. CC-4 Part 4A, construction will include moving the scales, administration building, and locker room this year and the shop and LEA building next year.

2. (Photos 3701 – 3703, 3763 – 3765, 3766 – 3769) The existing scales are in close proximity to the entrance to CC-4 Part 3. This does not provide adequate queueing distance directly from the scales to Cell CC-4 Part 3.

a.) It appears that all trucks are routed to the County top deck and circled back to CC-4 Part 3.
b.) What is the delay in disposal time?
c.) How long will this route be used?
- Chris Coyle stated that they will be routing trucks this way until sometime next year when CC 4A is complete and the new scales operational and in use. Trucks will then go across the top deck of CC-4 Part 1 and 2 to access Cell CC-4 Part 3. This routing of the trucks has no impact on offsite queueing and the overall time for disposal has not increase.

3. (Photos 3591, 3592, 3596 and 3599) The HDPE-lined sediment basin in CC-4 Part 3 has standing water, trash and a section of the liner torn.
   a.) Is the liner going to be repaired or will it be removed and the area filled with waste and replaced with a new basin by October?
   - Chris Coyle stated that the CC-4 Part 3 stormwater basin will be removed as part of the Cell CC-4 Part 4A construction and not replaced. There will be no more temporary stormwater basins that have to be pumped after this basin is removed.

4. (Photos 3667, 3607 – 3617, 3619, 3627 and 3628) Some of the new office and scale facilities have been constructed on the Old City North top deck.
   a.) What is the current schedule for the relocation of the existing offices and facilities shown in 3667?
   b.) Where will the new scale offices be located?
   c.) What are the two office trailers shown on Photo 3611 used for?
   d.) What facilities will be placed on the large graded pad shown in photos 3616 and 3617? Will the Adler Tank liquids treatment facility remain as shown on photo 3615?
   e.) Will power and communication lines be installed on the wooden poles?
   f.) Poles were observed to the west and north of Basin B. Where do they connect to the Edison power source?
   - Chris Coyle stated that moving of the scales, administration building, and locker room will commence in June and be completed this year. The shop and LEA building will be relocated next year. The office buildings now in place at the new offices location are for the accounting staff.
   - Josh Mills stated that the wooden poles are for power. They are getting power from the existing service on the top of the ridge near the County flares. The telecommunication service will come up from the terminal basin in a conduit. The hydrogen peroxide used at the Adler Tank liquids treatment facility is a 30% solution and the required setback from any office structures is ten feet. The setback and secondary containment requirements are being met.

5. (Photos 3683 – 3686 and 3689 – 3691) Basin A was mostly full of water and had minimal discharged.
   a.) Was the water being used for dust control?
   - Chris Coyle stated earlier that all of the sediment basins at the site are used to settle out sediment and clean water is then discharged. Water from the basins are not used for dust control.

6. (Photos 3712 – 3716 and 3720 – 3730) The County sage mitigation slopes had native and non-native vegetation growing. Mustard appears to be taking hold of areas impacted by the fire.
7. (Photos 3770, 3771, 3774, and 3775) The Deck C sage mitigation area and PM-10 Oak trees were recovering from the Saddleridge Fire. Non-natives were also growing in this area. Mustard appears to be taking hold of areas burned by the fire and cleared by construction.
8. (Photos 3777 – 3782, 3772, 3773, 3783 and 3784) The Deck B sage mitigation areas were recovering from the Saddleridge Fire. Non-natives were also growing in the area. Mustard appears to be taking hold of areas burned by the fire and cleared by construction.
    a.) What is the maintenance and weed abatement plan and schedule for items 6, 7 and 8 above?
        - Mike DeYoung stated that landscapers are focusing their efforts on mustard removal on Decks B and C and along the PM-10 berm area. Additionally, they are clearing brush to comply with fire prevention vegetation removal requirements.

<u>Status Items</u>

1. What is the status on the City of Los Angeles Chatsworth Reservoir ordinance to allow the development of wetlands and riparian mitigation?
    - Josh Mills stated there has been no change on the status. The City has not completed and approved the ordinance to allow for the mitigation project.

2. Did California Fish and Wildlife and the Corps of Engineers issue time extension letters for the Chatsworth mitigation?
    - Josh Mills stated that he will obtain the status of the extension letter and will provide us with an update.

3. What is the construction schedule for the terminal buttress? Will imported soil be needed to start the construction? How much imported soil and when will it be imported if not at the start?
    - Josh Mills stated that due to COVID-19-related increases in waste volumes, the terminal buttress may be compressed into a two-project that would start next year. Importation of soil will be needed. Some clean soil is now being imported for operations.
    - Gabriel Esparza asked if this soil was the same as was requested to be approved by LACDPW. He also asked if a request for importations of soil was made to LACDPW.
        - Chris Coyle responded no; this wasn't the same soil referred to in the prior request. That request was for using lightly contaminated soil for cover. No request to import was made for this soil as it is clean soil.

4. Can the monitor be emailed a copy of the current fill sequence plan?

5. Can the monitor be provided an image file from the 2020 flyover?

- Josh Mills stated that they would email UltraSystems a copy of the current fill sequence plan and 2020 flyover.

6. Has the access road to the oil field road from City Deck C been repaired?
    - Josh Milles stated that the access road repairs have not yet been done.

7. What are the new daily tonnage limits and hours of operation? How long will they be in effect?
    - Chris Coyle stated that a three-month long increase in tonnage has been approved due to COVID-19 impacts. The new daily tonnage is 14,100 tons/day (Prior was 12,500). Waste disposal hours have not changed. The landfill can perform closing and maintenance operations until 9:00 p.m.

8. Has the fire department graded the northern ridgeline roads and the road down to Coltrane Road?
    - Chris Coyle stated that the Republic-owned road to the County-maintained road will be graded once weather permits. The County Fire Department-maintained road has not been graded or repaired.

9. Are all the flares operating? What is the schedule for Flare 12 construction?
    - Josh Mills stated that power to Flare 3 has not yet been restored since the airplane crash. All other flares were operating. Installation of Flare 12 is delayed pending the resolution of issues concerning a SCAQMD permit to construct and operate.

The site visit conference call was then ended.

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Sunshine Canyon Landfill April 28, 2020 Site Visit
Monitoring Conference Call Discussion Items

Issues Observed by Mike Lindsay

1. Localized dust clouds were generated on the County CC-4 Part 1/2 top deck by double bottom dump trucks (photos 3643 through 3645). A large dump truck moving cover soil to CC-4 Part 3 generated localized dust clouds. The dirt access road was not watered. (photos 3649, 3659, and 3660).
2. Sediment basin A has standing water over 60% of the basin (photos 3682 through 3686).
3. Observed standing water in a low spot on the County top deck along the perimeter westside roadway (photo 3731).
4. The secondary access road has deep erosion ruts on the dirt hill climb portion of roadway (no photo).
5. Wind-blown litter is present in the small canyon drainage along the roadway above and west of administration buildings (photo 3755).
6. Wind-blown litter and debris were observed in Basin B and on the native back hillsides. (photo 3625 and 3626).
7. The recent rains cause deep erosion rills in a soil slope east of Basin A and above CC-4 Part 3. (photos 3707 and 3708).
8. CC-4 Part 3 localized odors were being controlled by a Dust Boss (photo 3581).
9. The terminal basin east wall has vegetation growing out of many of the concrete expansion joints (photos 3787 through 3793).
   1.

Discussion Topics After Reviewing Site Visit Photos

1. (Photos 3565 – 3590) CC-4 Part 1/2 appears to be at the finished elevation for this phase. CC-4 Part 3 is currently the only active fill area.
   a.) Did CC-4 Part 4A get constructed? If so, what are the boundaries of the cell?
   b.) When will the next cell construction start? What will it be called and what will be the boundaries?
2. (Photos 3701 – 3703, 3763 – 3765, 3766 – 3769) The existing scales are in close proximity to the entrance to CC-4 Part 3. This does not appear to provide adequate queueing distance.
   a.) Are all trucks routed to the County top deck and circled back to CC-4 Part 3?
   b.) What is the delay in disposal time?
   c.) How long will this route be used?
3. (Photos 3591, 3592, 3596, and 3599) The HDPE lined sediment basin in CC-4 Part 3 has standing water, trash and a section of the liner torn.
   a.) Is the liner going to be repaired or will it be removed and the area filled with waste and replaced by October?
4. (Photos 3667 and 3607 – 3617, 3619, 3627, and 3628) Some of the new office and scale facilities have been constructed on the Old City North top deck.
   a.) What is the current schedule for the relocation of the existing offices and facilities show in 3667?
   b.) Where will the new scale offices be located?
   c.) What are the two office trailers shown on Photo 3611 used for?

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   d.) What facilities will be placed on the large graded pad shown on Photos 3616 and 3617? Will the Adler Tank liquids treatment system remain as shown on Photo 3615?
   e.) Will power and communication lines be installed on the wooden poles?
   f.) Poles were observed to the west and north of Basin B. Where do they connect to the Edison power source?
5. (Photos 3683 – 3686 and 3689 – 3691) Basin A was full of water and had minimal discharged.
   a.) Was the water being used for dust control?
6. (Photos 3712 – 3716 and 3720 – 3730) The County sage mitigation slopes had native and non-native vegetation growing. Mustard appears to be taking hold of areas impacted by the fire.
7. (Photos 3770, 3771, 3774, and 3775) The Deck C sage mitigation area and PM-10 Oak trees were recovering from the Saddleridge Fire. Non-natives were also growing in this area. Mustard appears to be taking hold of areas burned by the fire and cleared by construction.
8. (Photos 3777 – 3782, 3772, 3773, 3783, and 3784) The Deck B sage mitigation areas were recovering from the Saddleridge Fire. Non-natives were also growing in the area. Mustard appears to be taking hold of areas burned by the fire and cleared by construction.
   a.) What is the maintenance and weed abatement plan and schedule for items 6, 7, and 8, above?

<u>Status Items</u>

1. What is the status on the City of Los Angeles Chatsworth Reservoir ordinance to allow the development of wetlands and riparian mitigation?
2. Did California Fish and Wildlife and the Corps of Engineers issue time extension letters for the Chatsworth mitigation?
3. What is the construction schedule for the terminal buttress? Will imported soil be needed to start the construction? How much imported soil and when will it be imported if not at the start?
4. Can the monitor be emailed a copy of the current fill sequence plan?
5. Has the access road to the oil field road from City Deck C been repaired?
6. What are the new tonnage and hours of operation? How long will they be in effect?
7. Has the fire department graded the northern ridgeline roads and the road down to Coltrane Road?
8. Are all the flares operating? What is the schedule for Flare 12 construction?


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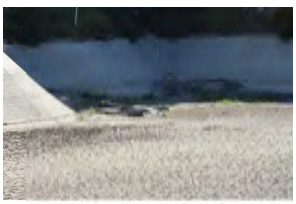
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SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT

Monitor: Mike Lindsay	Page: 1 of 2
Discipline: Environmental Engineer	Date: 04-28-2020 Tuesday
Site Conditions: Clear, 68–91 °F, 2–10 mph, 47% RH	

SITE LOG

1. No odors are present in adjacent neighborhood and school at 7:45 am.
2. Checked into office via phone call and text with Chris Coyle (Republic Services).
3. Traffic spotters are onsite to control traffic.
4. Cell CC-4 Part 3 working area is in good order, including tippers, traffic controllers and water trucks for odor and dust control. The low-point catch basin is partially filled with water. ADC is 90% covered with new trash at 8:20 am. Localized odors are being controlled by two Dust Boss misters.
5. Asphalt paving has been completed for the new entrance and scales area. New power poles have been installed along the northeast drainage channel. Two admin structures have been placed southeast of the new scales pad.
6. Water trucks are applying water to site for dust control.
7. Sediment basin B is in good order, with no standing water. The new power pole lines are being strung across the basin's spillway, and along the northeast perimeter drainage channel.
8. Wind-blown litter and debris are present in Basin B and on the native back hillsides.
9. Localized dust clouds are being created on the County CC-4 Part 1-2 top deck by double bottom dump trucks. The trucks appear to be importing soil.
10. Soil is being sifted on the west side of the County top deck.
11. Broken asphalt is being stockpiled on Cell CC-4 Part 1-2.
12. A new gas recovery well is being drilled on Cell CC-4 Part 1-2 top deck.
13. Twenty to thirty refuge trucks are in queue coming down the haul road to enter Cell CC-4 Part 3.
14. Sediment basin A is in good order, with standing water covering 60% of the basin.
15. Safety cones have been placed along the sides of the westside drainage channel crossing bridge.
16. Flare 3 is offline.
17. County sage mitigation slopes are in good order, with significant new growth due to the seasonal rainfall. Yellow flowering plants are dominant at the southern end of slopes.
18. Westside drainage channel is good order.
19. Bird abatement is active at the working area, including rockets and falconry.
20. Observed standing water in a low spot on the County top deck along the perimeter westside roadway, just north of the County sage mitigation area.
21. About 80 36-inch by 50-foot header pipes have been staged along the westside drainage channel near sediment basin D, along with about 36 24-inch pipes.
22. The storage yard is in good order, with five vehicles stored in yard.
23. A pile of cut wood is temporarily stored by sediment basin D.
24. Flare 9 is operating at 3181 scfm, 1662 °F. Gas sample measured at 43 % Vol. CH_4, 1.7 % Vol. O_2, 99 ppm H_2S and 259 ppm CO. Gas inlet temperature is 138 °F. Blowers 1, 2, 3 and 4 are operating.
25. Flare 10 is operating at 3113 scfm, 1661 °F.
26. Flare 11 is operating at 3136 scfm, 1639 °F.
27. Street sweepers are cleaning the haul roads.
28. The secondary access road perimeter gate is closed and locked.

29. The secondary access road has deep erosion ruts on the dirt hill-climb portion of roadway.
30. Wind-blown litter is present in the small canyon drainage along the roadway above and west of administration buildings.
31. The diesel fuel filling station is in good order.
32. City deck B sage mitigation area has partially recovered from the Saddleridge fire six months ago, with grasses and flowering plants throughout.
33. Flare 1 is operating at 2385 scfm, 1626 °F. Gas sample measured at 34 % Vol. CH4, 1.6 % Vol. O2, 100 ppm H2S and 211 ppm CO. Gas inlet temperature is 137 °F.
34. City deck C sage mitigation area has also partially recovered, especially at the southern end. Mostly grasses have filled in across the deck.
35. Most of the PM-10 berm mitigation oak trees are recovering from the fire, with many showing new growth, and some that have died completely.
36. Water misters are active along the PM-10 berm.
37. Mustard weed is dominating the adjacent slopes to City decks B and C, especially in the fire-damaged areas.
38. Closure turf at the City north slopes is in good order.
39. Thirty-plus disposal trucks are queued along the main haul road at 12:00 pm.
40. Terminal basin is in good order, with some standing water remaining. Skimmers are not in operation. Trash and debris have collected at riser drains, to be cleaned when basin dries out.
41. The terminal basin outlet channel is in good order.
42. The terminal basin east wall has vegetation growing out of many of the concrete expansion joints, including some half-inch to one-inch stalks.
43. Checked out of office via phone call and text with Chris Coyle.
44. Sierra Highway is in good overall condition.

FURTHER REVIEW NEEDED

1. Eliminate dust clouds on Cell CC-4 Part 1-2 with additional water trucks.
2. Eliminate standing water in low-spot on County top deck.
3. Remove wind-blown trash from natural drainage on westside.
4. Remove mustard weed from City mitigation decks and adjacent slopes.
5. Remove vegetation from terminal basin concrete cracks and expansion joints.

Signed: Michael W. Lindsay

May 2020

Sunshine Canyon Landfill Meeting Log
May 26, 2020 Site Visit
June 4, 2020 Site Monitoring Conference Call

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

Participants:

Edgar De La Torre, LACDRP
Vu Truong, LACDPW
Dave Thompson, LA City LEA
James Aidukas, UltraSystems
Mike Lindsay, UltraSystems
Michelle Tollett, UltraSystems

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 May. We asked questions regarding health measures, site operations, weather impacts, landfill gas and liquids control, construction activities, and mitigation measures status. We received comments and updates from Republic staff as follows:

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

a. Mike Lindsay stated he observed that Cell CC-4 Part 3 was the only area accepting waste. Clean sifted soil was being brought to the perimeter of the liner from a soil stockpile on the County top deck.
    - Chris Coyle acknowledged the statement and stated that the soil was being used for the liner protective cover.

b. Mike Lindsay stated that the CC-4 Part 3 basin had no standing water.
    - Chris Coyle stated that they were letting the sediment dry so that it can be removed. The CC-4 Part 4 cell development will remove this temporary lined basin.

c. Mike Lindsay stated that he observed the scales and the scalehouse buildings were moved and asked when the other building will be relocated.
    - Chris Coyle stated that the relocation of the administration buildings will start in June and will be completed by the end of the month. The LEA and shop buildings will be moved next year.

d. Mike Lindsay stated that he observed that the route for incoming waste trucks was to go past the old scales site, then head east up the haul road to the new scales site, then they continued up the hill past CC-3, turned west and went over the top deck before dropping down into the Cell CC-4 Part 3 active working area. He asked if that was correct.

- Chris Coyle stated that it was the current route being used. As the cell further develops, it will be modified.

e. Mike Lindsay stated that he observed the new light poles and lighting were installed at the scales and administration buildings locations.
   - Chris Coyle stated that new lighting was installed and that they were LED directional lights that do not need shields or covers to control light spillage. And these light fixtures are compliant with the requirements to control offsite impacts.

f. Mike Lindsay asked where the new power poles tie into the power supply.
   - Josh Mills stated that the power comes from the powerline near the gas-to-energy facility.

g. Mike Lindsay stated that the Adler Tank landfill liquids treatment facility was observed and that there were no odors detected.
   - Chris Coyle acknowledge the statement.

h. Mike Lindsay stated that he observed that the Basin D storage area had five broken-down vehicles stored in the yard and about 50 used tires in a pile.
   - Chris Coyle stated that the tires were removed from deposited waste and that they will store them until they get a full truck load. And that they are permitted to store up to 500 before they are required to dispose of them offsite.

i. Edgar De La Torre asked what is being done with the inoperative vehicles.
   - Chris Coyle stated that they are in the process of scrapping them.

j. Mike Lindsay stated that the northern secondary access road in Sunshine Canyon had been graded. The secondary access road perimeter gate was being held open as a large, red grader smoothed the road to Coltrane. He asked if the red grader was the fire department's.
   - Chris Coyle said that the road down to Coltrane was a fire road and that the grader was most likely theirs.

k. Mike Lindsay stated that large localized dust clouds were present from the double bottom dump trucks heading up the perimeter access roadway, passing by sediment basin B.
   - Chris Coyle stated that since the site visit on May 26, a minimum of two water trucks are being used on the access roadways to control dust generation.

l. Mike Lindsay asked when the sediment basins and drainage channels will be cleaned.
   - Chris Coyle stated that they will all be cleaned by October 1.

<u>Discussion Topics After Reviewing Site Visit Photos</u>

1. (Photos 4335, 4336, 4337, 4364, 4365, 4366, 4359, 4360) Observed that the scales are moved and operating at the Old City North area.
   a.) Are all three scales operating and are they weight-certified? Are all three inbound scales operating?
   b.) Lighting at the scales does not have downward shields to prevent offsite impacts. Will any be installed?

- Chris Coyle stated that there are four inbound scales operating, and they are certified by Weights and Measures, and that they are re-certified on a quarterly basis.
- Lighting was discussed in item e, above.

2. (Photos 4371, 4372, 4373) Lighting was installed on the utility poles at the new office area. This lighting does not have downward shields.
    a.) Will any be installed?
        - Chris Coyle's response regarding lighting was discuss in item e, above.

3. (Photos 4305–4331 and 4340–4343, 4501–4509 and 4513–4515) Cell CC-4 Part 3 is filling rapidly.
    a.) When will Cell CC-4 Part 4 development start?
    b.) What is the estimated completion date?
    c.) Will waste placement go north and east once the Part 3 lined area is filled?
        - Chris Coyle stated that Cell CC-4 Part 4 development will start on June 8. The completion is scheduled for September 1. The filling of Cell CC-4 Part 4 will occur in September to allow for the best control of rain run-off. The future filling sequence after filling Part 4 has not been set.

4. (Photos 4344–4348) The CC-4 Part 3 basin is dry.
    a.) When will the CC-4 Part 3 basin be removed?
        - Chris Coyle stated that it will be removed during the grading for CC-4 Part 4.

5. (Photos 4487–4495) Basin A has standing water covering approximately 60% of the area. Minimal water is being discharged.
    a.) Is water being held until the terminal basin is dried and sediment removed?
        - Josh Mills stated that Basin A's discharge is blocked to allow construction work on the westside drainage channel to occur and development of the new access road to the Cell CC-4 Part 4.

6. (Photos 4518–4522) Closure turf appears to be well maintained.
    a.) Are the gas and liquids recovery systems working properly?
        - Chris Coyle stated that the Closure Turf and all of the liquid and gas recovery system are working great, with no problems occurring.
        - James Aidukas stated that it appeared the gas recovery volume was now over 21,000 SCFM and asked what caused the increase?
            - Josh Mills responded that they are now in the second well schedule of improvements, which include 34 more new gas wells and header improvements to allow more vacuum to more areas. The 36-inch header to the CC-4 Part 1 top deck area will be constructed after the rains next year. The header near Basin D will also be improved.

7. (Photos 4421–4428 and 4437–4440) The County sage mitigation slope areas have a significant amount of native vegetation doing well.
    a.) Are there any plans to repair the slopes to eliminate the deep erosion rills?
        - Chris Coyle stated that there are no plans to repair the erosion rills.

8. (Photos 4443) Waste tires and five non-operational vehicles were observed in the Basin D storage area.
    a.) What are the plans for the disposal of these tires?
    b.) What are the plans for these vehicles?
        - This was previously discussed in item h, above.

9. (Photos 4457, 4458, and 4462–4464) The County top deck soil stockpile area has been substantially lowered.
    a.) What is the current elevation?
    b.) What is the waste's approximate elevation?
        - Chris Coyle stated that the elevations are not known. He stated that their engineer will provide them with the elevations and they will be given to the monitor.

10. (Photos 4478, 4479 4474, 4484, 4485) This area is a new soil stockpile area on the County top deck.
    a.) How much soil will be stockpiled here?
        - Chris Coyle stated that the prior stockpile had three million cubic yards. This new one may reach that level. Cell CC-4 Part 4 will alone place 400,000 cubic yards at that stockpile.

11. (Photo 4486) This is an area below the gas plant where water is ponding on the County top deck.
    a.) When will this depression be filled?
        - Chris Coyle stated that they will fill that low point.

12. (Photos 4396–4402 and 4404) Basin B was dry. There was debris in the back eastern area.
    a.) When will the basin be cleaned of debris and sediment?
    b.) Vegetation is growing in the concrete cracks and expansion joints of the high-flow outlet.
        - Chris Coyle stated that all the basins and drainage channels will be cleaned by October 1. He stated that they are working on removal of the vegetation growing out of the concrete cracks in Basin B and the terminal basin. Once all of the vegetation is removed, they will be determining what is the best way to fill the cracks.

13. (Photos 4387, 4465–4472, 4407, 4408) Truck traffic on dry dirt roads is causing uncontrolled dust emissions.
    a.) How many trucks are importing soil each day? What is their capacity?
    b.) How many more days of importing soil is expected? What is the total goal?
        - Chris Coyle stated that Republic has sent a letter to LACDPW giving all of this information to them. The County can then provide it to the monitor.

14. (Photos 4554 – 4562 and 4567) The terminal basin has standing water and wet sediment and a significant amount of debris.
    a.) What is the schedule to clean the basin?

- Chris Coyle stated that the sediment is being moved around to get it to dry. It will be cleared of sediment and litter by October 1.

15. (Photo 4548) Vegetation is growing out of the concrete cracks in the top access around the terminal basin.
    a.) What is the maintenance schedule for the removal of this vegetation?
        - This was previously discussed in item 12, above.

16. (Photos 4545–4547, 4549 and 4550) Water is seeping out of the floor and walls of the terminal basin.
    a.) Is there a problem with the cut-off wall water removal pump system?
        - Josh Mills stated that the pumps were temporarily shut down to tie in the new office area's electrical system. The pumps are now back online and the alluvial water is controlled with no seepage into the terminal basin.

Status Items

1. The fill sequence plan sent to us last month was outdated. Please provide a current plan.
    - Chris Coyle stated that a current cell limits plan can be provided once the new flyover image is available.

2. We received the site image via email. What is the date that the flyover image was taken?
    - Chris Coyle stated that the current site aerial flyover was done in February. The new image will be available in July.

3. What is the status of the non-native plant removal in the sage mitigation Deck B and Deck C areas?
    - Chris Coyle stated that JMA has been removing mustard for the last three weeks of May. They will continue until they have finished the required maintenance.

4. Edgar De La Torre asked if there were any NOV's in May?
    - Chris Coyle stated that there were two for odors; one occurring in the evening hours and one during the day.

The site monitoring conference call was then ended.

UltraSystems
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Sunshine Canyon Landfill May 26, 2020 Site Monitoring
Conference Call Discussion Items

Issues Observed by Mike Lindsay
Edgar De La Torre (LACDRP) followed Mike Lindsay in a separate vehicle

1. Cell CC-4 Part 3 was the only area accepting waste.
2. Dozers were placing sifted soil on the CC-4 Part 3 perimeter lined slope areas.
3. The low-point catch basin in Cell C-4 Part 3 had no standing water, with sediment drying out.
4. Scales and scalehouse buildings have been relocated to the new site. Administration buildings are scheduled to move in June.
5. The route for incoming waste trucks was going past the old scales site, then head east up the haul road to the new scales site, then they continued up the hill past CC-3**,** turned west and went over the top deck before dropping down into the Cell CC-4 Part 3 active working area.
6. Light poles have been installed in the new administration parking lot.
7. No odors were present at the tank farm.
8. The Basin D storage area had five vehicles stored in the yard and about 50 used tires.
9. The northern secondary access road has been graded. The secondary access road perimeter gate was being held open as a large, red grader smoothed the road to Coltrane.
10. Large localized dust clouds were present from the double bottom dump trucks heading up the perimeter access roadway, passing by sediment basin B.
11. The emergency eyewash station was in good operating order, located next to the hydrogen peroxide.
12. The eastside drainage channel was clear and in good order.

Discussion Topics After Reviewing Site Visit Photos

1. (Photos 4335, 4336, 4337, 4364, 4365, 4366, 4359, 4360) Observed that the scales are moved and operating at the Old City North area.
    a.) Are all three scales operating and are they weight-certified? Are all three inbound scales?
    b.) Lighting at the scales does not have downward shields to prevent offsite light and glare impacts. Will any be installed?
2. (Photos 4371, 4372, 4373) Lighting was installed on the utility poles at the new office area. This lighting does not have downward shields.
    a.) Will any be installed?
3. (Photos 4305-4331 and 4340-4343, 4501-4509 and 4513-4515) Cell CC-4 Part 3 is filling rapidly.
    a.) When will Cell CC-4 Part 4 development start?
    b.) What is the estimated completion date?
    c.) Will waste placement go north and east once the Part 3 lined area is filled?
4. (Photos 4344-4348) The CC-4 Part 3 basin is dry.
    a.) When will the CC-4 Part 3 basin be removed?
5. (Photos 4487-4495) Basin A has standing water covering approximately 60% of the area. Minimal water is being discharged.
    a.) Is water being held until the terminal basin is dried and sediment removed?
6. (Photos 4518 - 4522) Closure turf appears to be well maintained.

a.) Are the gas and liquids recovery systems working properly?

7. (Photos 4421 – 4428 and 4437 - 4440) The County sage mitigation slope areas have a significant amount of native vegetation doing well.
    a.) Are there any plans to repair the slopes to eliminate the deep erosion rills?
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    a.) When will this depression be filled?
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    a.) What is the schedule to clean the basin?
15. (Photo 4548) Vegetation is growing out of the concrete cracks in the top access around the terminal basin.
    a.) What is the maintenance schedule for the removal of this vegetation?
16. (Photos 4545 – 4547, 4549 and 4550) Water is seeping out of the floor and walls of the terminal basin.
    a.) Is there a problem with the cut-off wall pump system?

<u>Status Items</u>

1. The fill sequence plan sent to us last month was outdated. Please provide a current plan.
2. We received the site image via email. What is the date that the flyover image was taken?
3. What is the status of the non-native plant removal in the sage mitigation Deck B and Deck C areas?


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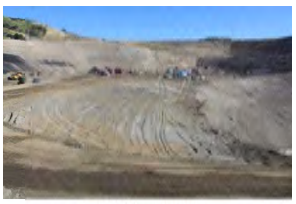
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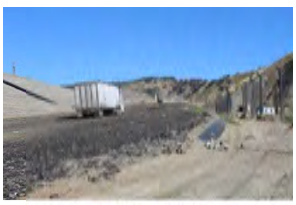
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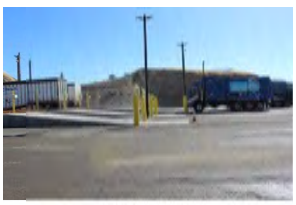
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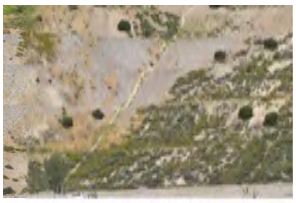
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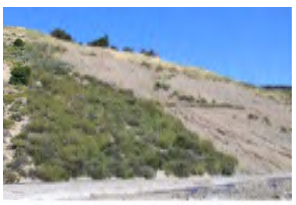
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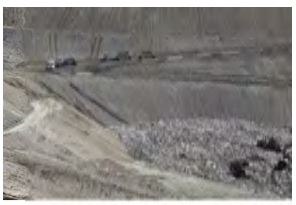
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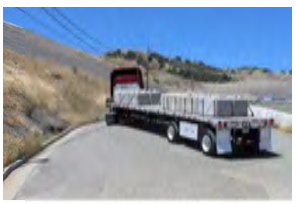
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SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT

Monitor: Mike Lindsay	Page: 1 of 2
Discipline: Environmental Engineer	Date: 05-26-2020 Tuesday
Site Conditions: Clear, 68–93 °F, 2–10 mph, 45% RH	

SITE LOG

1. Checked into office via phone call and text with Chris Coyle (Republic Services).
2. Edgar De La Torre (LACDRP) followed me in his separate truck to Cell CC-4 Part 3 working area.
3. Traffic spotters are onsite to control traffic.
4. Cell CC-4 Part 3 working area is in good order, including tippers, traffic controllers and water trucks for odor and dust control.
5. Work crews are using dozers to push clean, sifted soil up the Part 3 perimeter slopes to protect liner.
6. The low-point catch basin has no standing water, with mud drying out.
7. Scales and scalehouse have been relocated to new site. Admin buildings are scheduled to move in June.
8. Water trucks are applying water to site for dust control.
9. Haul trucks are going past old scales site, then heading east up the haul road to the new scales site, then they continue up the hill past CC-3B, then turn west and go over the top deck before dropping down into the Cell CC-4 Part 3 active working area.
10. Light poles have been installed in the new admin parking lot.
11. No odors are present at the tank farm, including the 30% hydrogen peroxide storage containers.
12. The emergency eyewash station is in good operating order, located next to the hydrogen peroxide.
13. The eastside drainage channel is clear and in good order.
14. Localized dust clouds are present from packer trucks heading up roadway from the new scalehouse as they turn west towards the top deck.
15. A new gas collection well is being drilled on the top deck of CC-3A.
16. Sediment basin B is dry and in good order.
17. New power poles and lines have been installed along the eastside drainage channel.
18. County sage mitigation slopes are in good order, with the hillside oak trees showing dark green growth.
19. Westside drainage channel is clear and in good order.
20. Sediment basin D is in good order.
21. The storage yard has five vehicles stored in yard, and about 50 used tires in a pile.
22. Flare 9 is operating at 2367 scfm, 1616 °F. Gas sample measured at 42 % Vol. CH4, 1.3 % Vol. O2, 100 ppm H2S and 351 ppm CO. Gas inlet temperature is 138 °F. Blowers 1, 2, 3 and 4 are operating.
23. Flare 10 is operating at 2259 scfm, 1668 °F.
24. Flare 11 is operating at 2284 scfm, 1632 °F. Gas inlet temperature is 142 °F.
25. Sunshine Gas Producers flow rate is at 9308 scfm.
26. The secondary access road has been graded smooth, with no more ruts in the roadway.
27. The secondary access road perimeter gate is being held open as a large grader is grading the road to Coltrane.
28. Large localized dust clouds are present from the double bottom dump trucks heading up roadway from the new scalehouse, to their dumping location by the gas-to-energy facility.
29. Observed standing water in a low spot on the County top deck along the perimeter westside roadway, just north of the County sage mitigation area.

30. Sediment basin A is in good order, with standing water covering 60% of the basin.
31. A water mister is operating by sediment basin A for odor control.
32. Flare 3 is now operating, with power restored after airplane crash damaged the site's source of power.
33. Flare 3 is operating at 1898 scfm, 1655 °F. Gas sample measured at 41 % Vol. CH4, 1.5 % Vol. O2, 68 ppm H2S and 270 ppm CO. Gas inlet temperature is 144 °F.
34. Street sweepers are cleaning the haul roads.
35. The diesel fuel filling station is in good order, with about ten water trucks parked along roadway.
36. Flare 1 is operating at 2678 scfm, 1643 °F. Gas sample measured at 34 % Vol. CH4, 1.5 % Vol. O2, 100 ppm H2S and 238 ppm CO. Gas inlet temperature is 141 °F.
37. Workers are installing the left blower at Flare 1.
38. Water misters are active along the PM-10 berm.
39. City deck B sage mitigation area has partially recovered from the Saddleridge fire seven months ago, with grasses and flowering plants throughout.
40. City deck C sage mitigation area has also partially recovered, especially at the southern end. Mostly grasses have filled in across the deck.
41. Most of the PM-10 berm mitigation oak trees are recovering from the fire, with many showing new growth.
42. The secondary access road washout by City deck C has been repaired and the fence reinstalled.
43. Closure turf at the City north slopes is in good order.
44. The cutoff wall water pump seems to be out of order, as water seeps up from the terminal basin side wall and center concrete crack. The water is heavily colored with iron oxide.
45. Terminal basin is in good order, with some standing water remaining. Skimmers are not in operation. Trash and debris have collected at riser drains, to be cleaned when basin dries out. Sediment has been placed into large piles for drying.
46. The terminal basin outlet channel is in good order.
47. Checked out of office via phone call and text with Joshua Mills.

FURTHER REVIEW NEEDED

1. Eliminate dust clouds on Cell CC-4 Part 1-2 with additional water trucks.
2. Eliminate dust clouds at stockpile area by the gas to energy facility with additional water trucks.
3. Eliminate standing water in low-spot on County top deck.
4. Repair cutoff wall pump at terminal basin.

Signed: Michael W. Lindsay

June 2020


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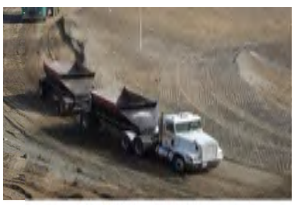
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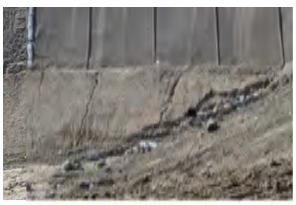
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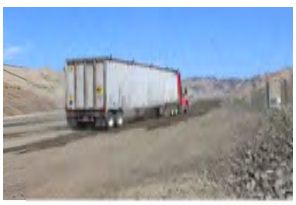
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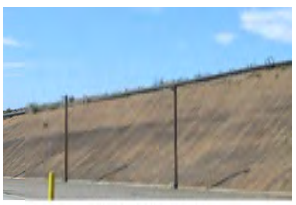
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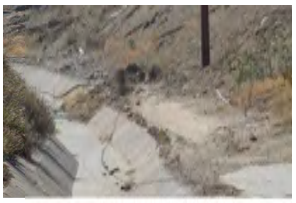
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SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT

Monitor: Mike Lindsay	Page: 1 of 2
Discipline: Environmental Engineer	Date: 06-23-2020 Tuesday
Site Conditions: Partly Cloudy, 63–91 °F, 3–12 mph, 81% RH	

SITE LOG

1. No odors are present at adjacent neighborhood or school.
2. Checked into office via phone text with Chris Coyle (Republic Services).
3. Edgar De La Torre and Diana Gonzales (LACDRP) followed me in a separate truck to site locations.
4. Traffic spotters are onsite to control traffic.
5. 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.
6. Scrapers are going up roadway north of CC-4 Part 3 to southern County top deck area.
7. Packer trucks are filling in southwest corner of CC-4 Part 3.
8. Cell CC-4 Part 3 ADC is 5% covered with new trash at 9:00 am.
9. A new gas recovery well is being drilled on the western edge of CC-4 Part 1-2.
10. Street sweepers are cleaning the haul roads.
11. Cell CC-4 Part 3 basin is dry.
12. Cell CC-4 Part 4 excavation work has begun, with many scrapers and dump trucks circling through to remove soil. Native, undisturbed soil is being excavated with rippers and bulldozers.
13. A paleontological monitor was not observed near the undisturbed soil excavation.
14. Admin offices have been partially relocated to new site. A cardboard sign along the entrance haul road shows an arrow, directing admin traffic up the roadway by basin 3B.
15. The tank farm is in good order, with no odors present.
16. The new scales are in good order.
17. A portable water truck filling station has been installed by the new scales, and has a movable spout.
18. The eastside drainage is in good order, with one area where soil is spilling into the channel, southeast of sediment basin B.
19. Sediment basin B is dry and in good order.
20. A strong landfill gas odor is present by well CTC-625.
21. Sediment basin A is in good order, with standing water covering 50% of the basin.
22. Windblown trash has collected throughout sediment basin A. There is a six-foot square plot of soil that has been removed within basin A sediment.
23. A four-foot-high ledge has been cut along the west side of the County top deck for liner tie-in.
24. The westside drainage channel is clear and in good order.
25. The storage yard is in good order, with vehicles and used tires being stored.
26. Sediment basin D is in good order.
27. Flare 9 is operating at 3087 scfm, 1648 °F. Gas sample measured at 41 % Vol. CH4, 1.3 % Vol. O2, 89 ppm H2S and 311 ppm CO. Gas inlet temperature is 139 °F. Blowers 1, 2, 3, 4, 5 and 6 are operating.
28. Flare 10 is operating at 3111 scfm, 1652 °F.
29. Flare 11 is operating at 3066 scfm, 1667 °F. Gas inlet temperature is 140 °F.
30. Water trucks are applying water to site for dust control.
31. Sunshine Gas Producers flow rate is at 9069 scfm.
32. The secondary access road is in good order, with the perimeter gate held open for grading.

33. Excavation work is occurring on the County top deck, north of sediment basin A, including rippers for undisturbed soil.
34. Flare 3 is offline.
35. Observed overall operations from observation deck, including Cell CC-4 Part 4 construction.
36. The diesel fuel filling station is in good order, with about ten water trucks parked along roadway.
37. Flare 1 is operating at 2750 scfm, 1644 °F. Gas sample measured at 33 % Vol. CH4, 1.7 % Vol. O2, 100 ppm H2S and 257 ppm CO. Gas inlet temperature is 141 °F.
38. City deck A sage mitigation area is in good order.
39. City deck B sage mitigation area continues to recover from the Saddleridge fire, with grasses and flowering plants throughout.
40. Water misters are active along the PM-10 berm.
41. City deck C sage mitigation area is also recovering, especially at the southern end. Mostly grasses have filled in across the deck.
42. Closure turf at the City north slopes is in good order.
43. The cutoff wall water pump seems to be in order now, with no water seeping from concrete cracks.
44. 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.
45. The terminal basin outlet channel has debris collected along the outside perimeter walls.
46. A worker is working on a water well probe at the terminal basin high perimeter side wall, just south of the cutoff wall.
47. Sierra Highway is clear of trash and debris.
48. Checked out of office via phone text with Chris Coyle.
49. The County drove the adjacent neighborhood and there were no odors present.

FURTHER REVIEW NEEDED

1. Confirm that a paleo monitor is present for Cell CC-4 Part 4 excavation.
2. Remove soil that has spilled into eastside drainage channel.
3. Eliminate gas odor at well CTC-625.
4. Remove wind-blown trash and debris from sediment basin A, when conditions permit.
5. Remove trash and debris from the terminal basin outlet channel outside walls.

Signed: Michael W. Lindsay