

**Sunshine Canyon Landfill
Independent Monitor
Quarterly Site Monitoring Status Report
October 1, 2020 – December 31, 2020**

Prepared For:

City of Los Angeles Department of City Planning

And

County of Los Angeles Department of Regional Planning



Prepared By:



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Prepared On:

June 14, 2021

CERTIFICATION STATEMENT

June 14, 2021

The attached Quarterly Site Monitoring Status Report for the Sunshine Canyon Landfill dated June 14, 2021 is the Fourth Quarterly Report for 2020, issued by UltraSystems. This report covers the monitoring period from October 1, 2020 through December 31, 2020 and is prepared for the City of Los Angeles Department of City Planning and the County of Los Angeles Department of Regional Planning.

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

Signed,



James T. Aidukas

Project Manager

Contents

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

Sunshine Canyon Landfill City Mitigation Monitoring Summary
(see spreadsheet)

Sunshine Canyon Landfill County Mitigation Monitoring Summary
(see spreadsheet)

Appendices

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

Quarterly Status Report

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

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

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

This Quarterly Report provides the City of Los Angeles Department of Planning and the County of Los Angeles Department of Regional Planning with a concise status of the Mitigation Measure Monitoring for the period of October 1, 2020 to December 31, 2020. It includes:

1. The City and County Mitigation Monitoring Summary spreadsheets for October 1, 2020 to December 31, 2020. These spreadsheets record the areas of monitoring completed and the status of being compliant during the fourth 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 4th Quarter followed the Centers for Disease Control and Prevention (CDC) guidelines for COVID-19 health protocols and complied with state and County restrictions. The landfill visits occurred on one day each month during the October through December 2020 period. All UltraSystems monitors were in

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

Site Visits During the Quarter

Three site visits were performed by UltraSystems during the October through December 2020 quarter in order to observe operational site activities and determine compliant status with conditions and/or mitigation measures. They were performed on October 20, 2020; November 30, 2020; and December 16, 2020. Remote site monitoring conference calls were held in lieu of normal site monitoring visit meetings in order to follow the CDC guidelines for COVID-19 health protocols.

Definition of Terms

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

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

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

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

Status Summary

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

Compliant

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

Non-Compliant

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

Further Review Needed

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

Q-B.2.c (City)

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

Geology-1.07 (County)

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

Geology-1.11 (County)

Grading allows for ancillary facilities outside of the landfill footprint.

Biota-4.29 (County)

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

Biota-4.30 (County)

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

Biota-4.33 (County)

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

Biota-4.34 (County)

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

Current Status/Comment – There was no grading outside of the approved landfill development limits during the 4th Quarter. Cell CC-4 Part 3 was the only area accepting waste during the 4th Quarter. Cell CC-4 Part 1/2 was at the finished elevation for this phase. CC-4 Part 4A construction was completed in September, with the liner approved by RWQCB in December, and waste being placed in this cell on December 16, 2020. This cell provides a good lower elevation, wind-protected area for winter and spring weather conditions. 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. The shop and LEA building will be moved in 2021.

Q-C.3.h (City)

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

Current Status/Comments – In the 4th Quarter, localized dust clouds occurred on the County top deck when waste hauling transfer and soil importation trucks used the dirt roads. Packer trucks using the top decks' roads from the scales to the active area generated localized dust clouds. Climatic conditions were an important factor on dust generation. The use of more water trucks employed on a demand-basis should be considered. The dust was not observed leaving the site.

Q-C.5 (City)

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

Current Status/Comments – In the 4th Quarter, there was no graffiti observed at the landfill site.

Q-C.10.c (City)

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

Odor/Landfill Gas - 7.07 (County)

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

Gas - 52 (County)

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

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

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

Current Status/Comments – In mid-October, the gas-to-energy plant was using 9028 SCFM of recovered landfill gas. Flare 1: 2074 SCFM of recovered landfill gas, 42% CH₄, 1.8% O₂, 100 ppm H₂S; Flare 3: was not operating; Flare 9: 2799 SCFM; Flare 10: 2850 SCFM; Flare 11: 2866. The quality of the gas recovered was 39% CH₄, 1.5% O₂ and 71 ppm H₂S. The total volume of landfill gas being recovered was 19,617 SCFM.

At the end of November, the gas-to-energy plant was using 8916 SCFM of recovered landfill gas, 28% CH₄, 1.9% O₂, 70 ppm H₂S. Flare 1: 2644 SCFM, 31% CH₄, 1.9% O₂, 100 ppm H₂S; Flare 3: was not operating; Flare 9: 2753 SCFM; Flare 10: 2790 SCFM; Flare 11: 2731 SCFM. The total volume of landfill gas being recovered was 19,834 SCFM.

In mid-December, the gas-to-energy plant was using 4788 SCFM of recovered landfill gas, 41% CH₄, 1.1% O₂, 76 ppm H₂S. A portion of the gas-to-energy facility was down for maintenance. Flare 1: 2627 SCFM, 31% CH₄, 1.7% O₂, 100 ppm H₂S; Flare 3: 2091 SCFM; Flare 9: 3438 SCFM; Flare 10: 3626 SCFM; Flare 11: 3479 SCFM. The total volume of landfill gas being recovered was 20,049 SCFM.

The quantity of landfill gas being recovered during the 4th Quarter has a daily average of 19,800 SCFM, with the gas-to-energy plant usage averaging 9000-9500 SCFM. An expansion of the gas-to-energy plant or a different beneficial use facility needs to be considered. Republic has stated that they are pursuing options for using the gas.

T-4 (City)

Prepare a plot plan ["fire plan"] to the satisfaction of the Fire Department.

a. immediate access fire plan [now]

b. plot plan for the future facilities will be submitted when these are implemented

Fire Service - 12.03 (County)

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

Current Status/Comments – An updated fire plan showing the new locations of all facilities, and normal and emergency ingress and egress should be prepared and sent to the local City fire department station and City and County planning when construction of the new operation's facilities currently under construction have been completed. This should be possible by Fall of 2021. 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 4th Quarter. Cell CC-4 Part 3 was the only area accepting waste during the 4th Quarter. Cell CC-4 Part 1/2 was at the finished elevation for this phase. CC-4 Part 4A construction was completed. 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. This deck 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 4th Quarter.

M-4.1.1(6) (City)

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

M-4.2.11(23) (City)

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

M-4.2.12 (28) (City)

Site Erosion

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

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

Geology-1.13 (County)

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

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

Geology-1.14 (County)

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

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

Biota – 4.42 (County)

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

Air Quality - 6.02 (County)

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

Visual-10.08 (County)

Cover/Revegetation Requirements

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

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

Revegetation Requirements

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

(1) would better protect public health and safety;

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

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

Biota - Revegetation - 44.A (County)

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

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

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

Current Status/Comments – During the 4th 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 substantially reduced in height and size. Soil was being used for cover, site improvements and operations.

M-4.1.1 (7) (City)

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

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

M-4.1.6 / 18 (City)

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

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

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

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

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

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

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

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

a. Sample Probe Installation: One monitoring probe per 1,000 feet or as identified by South Coast Air Quality Management District (SCAQMD) and/or Local Enforcement Agency (LEA) in the landfill

expansion, and one probe per 650 feet or as identified by SCAQMD and/or LEA in the City Inactive landfill along the landfill perimeter, or whichever is more restrictive shall be installed to identify potential areas of subsurface landfill gas (LFG) migration. These probes shall be monitored to ensure that quantities of LFG beyond regulatory standards do not vent offsite through subsurface soils.

b. *Integrated Landfill Surface Sampling:* The landfill surface shall be monitored to ensure that the average concentration of total organic compounds over the landfill surface does not exceed SCAQMD's standard of 25 ppm.

c. *Ambient Air Samples:* 24-hour integrated gas samples and required meteorological data shall be taken to assess any impact the landfill is having on the ambient air quality at the landfill perimeter.

d. *Instantaneous Landfill Surface Monitoring:* Spot checks on the landfill surface shall be made to determine the maximum concentration of total organic compounds measured as methane, measured at any one point on the surface of the landfill does not exceed the SCAQMD's standard of 500 ppm.

e. *Regular Monitoring and Annual Testing:* LFG concentrations at perimeter probes, gas collection system headers, the landfill surface, and in ambient air downwind of the landfill shall be monitored once per month or less frequently (but no less than quarterly) as required by the SCAQMD. The LFG collection system shall be adjusted and improved based on quarterly monitoring data and annual stack testing results.

Odor/Landfill Gas - 7.06 (County)

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

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

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

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

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

Amendment 45.N - 5 (County)

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

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

On our random days of site visits during the 4th Quarter, no landfill odors were detected in the adjacent neighborhoods. In the 4th Quarter, there were four NOVs in October, none in November, and one in December for trash odors. The operations in the tipping area were changed to identify odorous loads and only allow tipping in areas that would be able to control the odors from leaving the site. Localized odors from gas and liquids recovery systems' construction and maintenance were detected during this quarter's monitoring. The odor occurrences were controlled onsite and were short in duration. A sacrificial HDPE liner and gas and liquids recovery system was installed in the 3rd Quarter on the Cell CC-2A west slopes adjacent to Cell CC-4 Part 4A. This was operating and was very effective in controlling odors.

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.

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 4th 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 west- and south-facing dirt slopes. Other areas had jute netting or were hydroseeded. Erosion protection systems were in place.

M-4.3.1(41) (City)

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

M-4.3.1(43) (City)

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

Surface Water 2.10 (County)

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

Current Status/Comments – By mid-December, all basins were almost dry and free of sediment and litter. The terminal basin had ponding water and the outlet risers' area had sediment and litter around them. Basin A was dry and free of sediment. Windblown litter was in the back native vegetation slopes. Basin D was dry and free of sediment and litter. Basin B was dry and free of sediment. Litter was observed on the back slope's native vegetation. The channels were free of sediment on all but the eastside drainage system. These channels had growing vegetation, windblown brush, and some spots with an accumulation of sediment and windblown litter. The current erosion control plans should be available for agency and monitor review.

M-4.3.1(46) (City)

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

Surface Water 2.15 (County)

Surface Water Preventive Maintenance Program

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

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

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

In the 4th Quarter, it was observed that vegetation was growing out of numerous cracks in the water retention basins and drainage conveyance channels' concrete. The terminal basin had vegetation growing out of cracks in the interior and exterior concrete side walls and top access walkway. Basins B and D concrete high flow outlets had vegetation growing in cracks. The eastside drainage channel had vegetation growing in and adjacent to the concrete channel. There were areas of the channels and basins that needed the growing vegetation to be removed, and repair of the concrete and sealing of cracks.

M-4.3.2(50) (City)

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

Current Status/Comments – The old City north top deck has a tank farm of 16 Alder storage tanks for processing recovered leachate and condensate, with a double-wall pipeline to the sewer connection at the entrance near San Fernando Road. This system operated with no odors detected at the tank farm nor the sewer connection during the 4th Quarter. Tank farm liquids were being treated with hydrogen peroxide at the tank farm and at the sewer connection.

M-4.4.1(60) (City)

Venturan Coastal Sage Scrub

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

Biota - 4.27 (County)

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

Current Status/Comments – During the 4th 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-gallon container trees. Mitigation trees shall be planted prior to impacted trees being removed, thus allowing trees to grow to specimen size in the field. A specimen-size tree shall be defined as a 15-gallon tree with a minimum trunk caliper of 1-inch measured 1-foot above ground. All mitigation trees shall be specimen size within 1 year after tree removal.

Biota - 4.10 (County)

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

Current Status/Comments – An updated mitigation tree report evaluating the impacts of the Saddleridge Fire and other impacts was being prepared. The number and type of trees that will need to be replaced will be addressed in the report. A replacement schedule will be developed at a future time. A mitigation tree replacement plan, scope and schedule has not been issued.

M-4.4.2/69 (City)

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

Current Status/Comments – The City was proceeding with writing and adopting an ordinance to allow the wetlands and riparian mitigation to be created in the Chatsworth Reservoir. All environmental analysis has been completed. Republic stated that there has been no progress in finalizing and adopting the ordinance in 2020. Since the COVID-19 pandemic, progress has been suspended. Time extension letters from the US Corps of Engineers and the California Department of Fish and Wildlife were in place for 2019. New extension letters for 2020 and 2021 have not been received. No progress has been made in 2020 on this required mitigation.

M-4.9.3(110) (City)

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

Current Status/Comments – During the 4th Quarter site visits, Sierra Highway and the adjacent neighborhood were cleared of any illegally dumped waste and any litter.

M-4.9.4(125) (City)

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

Current Status/Comments – During the 4th 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 4th Quarter, there was no grading in native undisturbed areas that required paleontological monitoring.

Republic's Site Procedures for COVID-19

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

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

In the 4th 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 2019, just before the COVID19 pandemic. Due to COVID-19 restrictions, a current review of these documents has been postponed. The monitors verified the following to be available to the monitors and agencies' staff.

a) Current Fill Sequence Plan.

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

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

These plans are electronically available onsite.

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

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

d) The current erosion control plans.

Current erosion control plans were available electronically.

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

Site drainage plans were available electronically.

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

The plan was available electronically.

- g) Comprehensive geotechnical reports.

The reports were available electronically.

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

Printed copies were available.

Part II – Logs and Records

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

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

- u) Adverse Weather (procedures for maintaining work safety during severe weather conditions)
- v) Drug and Alcohol-Free Workplace Procedures (procedures committed to the elimination of drug and alcohol use and abuse in the workplace)
- w) Bloodborne Pathogens (procedures to protect employees from infectious microorganisms in human blood that can cause disease in humans. These pathogens include hepatitis B (HBV), hepatitis C (HCV) and human immunodeficiency virus (HIV); needlesticks and other sharps-related injuries may expose workers to bloodborne pathogens)
- x) Rollovers (procedures to help prevent truck and equipment rollovers; addresses poor driving conditions, speeding, driver fatigue and distracted driving; part of Republic's Focus 6 Program)
- y) Asbestos Safety and Respiratory Protection (procedures to help prevent respiratory injury to employees; includes the use of respirators and specialized clothing)
- z) Slips, Trips and Falls (procedures to help prevent slips, trips and falls; includes keeping walkways clear, use of handrails, use of proper footwear and managing power cords)
- aa) Conduct Hazardous Assessment (identify hazards and risk factors that have the potential to cause harm)
- bb) Industrial Truck Training (safety training for machines such as forklifts and lift trucks; part of Republic's Focus 6 Program)
- cc) Radiation Awareness (procedures and training to increase employee understanding of radiation and radioactivity, and how to manage encounters with radioactive materials)
- dd) Hazardous Communication (physical and health hazards; a set of processes and procedures that employers must implement in the workplace to effectively communicate hazards associated with chemicals during handling, shipping, and any form of exposure)

Conclusions

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

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

The 2020 4th 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

(10-01-2020 through 12-31-2020)

| Line # | Reference # | Mitigation # | City Mitigation Measures and Conditions Monitored by Discipline | Monitoring Frequency | Third Quarter 2020 | | | | | | | | | | | | Fourth Quarter 2020 | | | | | | | | | | | |
|--------|-----------------|--------------|---|----------------------|--------------------|---------|----------------------------------|-----------|-----------|---------|----------------------------------|-----------|-----------|---------|----------------------------------|-----------|---------------------|---------|----------------------------------|-----------|------------|---------|----------------------------------|-----------|------------|---------|----------------------------------|-----------|
| | | | | | 7/22/2020 | Status* | Further Review Needed/Comments** | Resolved* | 8/18/2020 | Status* | Further Review Needed/Comments** | Resolved* | 9/17/2020 | Status* | Further Review Needed/Comments** | Resolved* | 10/20/2020 | Status* | Further Review Needed/Comments** | Resolved* | 11/30/2020 | Status* | Further Review Needed/Comments** | Resolved* | 12/16/2020 | Status* | Further Review Needed/Comments** | Resolved* |
| 1 | Project Manager | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | Q - A.3. | | Definitions | info | / | | | | / | | | | / | | | | / | | | | / | | | / | | | | |
| 5 | Q - A.6. | | Submit Annual Reports | June yearly | / | | | | / | | | | / | | | | / | | | | / | | | / | | | | |
| 6 | Q - A.10. | | Provision of Fees | yearly | / | | | | / | | | | / | | | | / | | | | / | | | / | | | | |
| 7 | Q - B.1. | | Permitted/Prohibited Landfill Uses | yearly | / | | | | / | | | | / | | | | / | | | | / | | | / | | | | |
| 8 | Q - B.2 | | Approval of Landfill | ongoing | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | |
| 9 | Q - B.2.c. | | Ancillary Uses and Facilities | ongoing | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | |
| 10 | | | Ancillary Uses and Facilities | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | Q - B.2.d (3) | | 10 Year Phase Review | 2015 | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | |
| 12 | | | 10 Year Phase Review | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | Q - B.4.d. | | Inert/Exempt Materials | info | / | | | | / | | | | / | | | | / | | | | / | | | / | | | | |
| 14 | Q - B.5.a. | | Prohibited Waste | info | / | | | | / | | | | / | | | | / | | | | / | | | / | | | | |
| 15 | Q - B.6. | | Waste Diversion | ongoing | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | |
| 16 | Q - C.3.g. | | Paved Access Roads | ongoing | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | |
| 17 | Q - C.3.h. | | Surfacing of Access Roads | ongoing | ✓ | FRN | I-g | | ✓ | FRN | I-h | | ✓ | FRN | I-i | | ✓ | FRN | I-j | | ✓ | FRN | I-k | | ✓ | FRN | I-l | |
| 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-g | | ✓ | FRN | I-h | | ✓ | FRN | I-i | | ✓ | FRN | I-j | | ✓ | FRN | I-k | | ✓ | FRN | I-l | |
| 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 (10-01-2020 through 12-31-2020)

| Line # | Reference # | Mitigation # | City Mitigation Measures and Conditions Monitored by Discipline | Monitoring Frequency | Third Quarter 2020 | | | | | | | | | | | | Fourth Quarter 2020 | | | | | | | | | | | |
|--------|-------------|--------------|---|----------------------|--------------------|---------|----------------------------------|-----------|-----------|---------|----------------------------------|-----------|-----------|---------|----------------------------------|-----------|---------------------|---------|----------------------------------|-----------|------------|---------|----------------------------------|-----------|------------|---------|----------------------------------|-----------|
| | | | | | 7/22/2020 | Status* | Further Review Needed/Comments** | Resolved* | 8/18/2020 | Status* | Further Review Needed/Comments** | Resolved* | 9/17/2020 | Status* | Further Review Needed/Comments** | Resolved* | 10/20/2020 | Status* | Further Review Needed/Comments** | Resolved* | 11/30/2020 | Status* | Further Review Needed/Comments** | Resolved* | 12/16/2020 | Status* | Further Review Needed/Comments** | Resolved* |
| 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-g | | ✓ | FRN | I-h | | ✓ | FRN | I-i | | ✓ | FRN | I-j | | ✓ | FRN | I-k | | ✓ | FRN | I-l | |
| 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 | ✓ | FRN | I-g | | ✓ | FRN | I-h | | ✓ | FRN | I-i | | ✓ | C | I-j | | ✓ | C | I-k | | ✓ | C | I-l | |
| 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-g | | ✓ | C | I-h | | ✓ | C | I-i | | ✓ | C | I-j | | ✓ | C | I-k | | ✓ | C | I-l | |
| 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-g | | / | | I-h | | / | | I-i | | / | | I-j | | / | | I-k | | / | | I-l | |
| 38 | M - 4.2.13 | 30 | Operational Odor Control Techniques | ongoing | / | | I-g | | / | | I-h | | / | | I-i | | / | | I-j | | / | | I-k | | / | | I-l | |
| 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-g | | / | | I-h | | / | | I-i | | / | | I-j | | / | | I-k | | / | | I-l | |
| 41 | M - 4.2.13 | 33 | Odor Control Measures | ongoing | ✓ | FRN | NONE | | ✓ | FRN | NONE | | ✓ | FRN | NONE | | ✓ | FRN | NONE | | ✓ | FRN | NONE | | ✓ | FRN | NONE | |

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| 42 | M - 4.2.13 | 34 | Odor/LFG Monitoring | ongoing | / | | I-g | | / | | I-h | | / | | I-i | | / | | I-j | | / | | I-k | | / | | I-l | |
| 43 | | | Periodic LFG Monitoring | | / | | I-g | | / | | I-h | | / | | I-i | | / | | I-j | | / | | I-k | | / | | I-l | |
| 44 | M - 4.3.2 | 52 | LFG Migration Mitigation | ongoing | / | NA | NONE | | / | NA | NONE | | / | NA | NONE | | / | NA | NONE | | / | NA | NONE | | / | NA | NONE | |
| 45 | M - 4.3.2 | 57 | Dust Control Water | ongoing | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | |
| 46 | M - 4.4.2 | 69 | Offsite Mitigation Sites | status | ✓ | FRN | I-g | | ✓ | FRN | I-h | | ✓ | FRN | I-i | | ✓ | FRN | I-j | | ✓ | FRN | I-k | | ✓ | FRN | I-l | |
| 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 | ✓ | FRN | NONE | | ✓ | FRN | NONE | | ✓ | FRN | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | |
| 50 | M - 4.7.1 | 86 | Open Space Buffer Area | ongoing | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | |
| 51 | M - 4.9.3 | 106 | Litter Minimization | ongoing | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | |
| 52 | M - 4.9.3 | 107 | Litter/Debris Containment | ongoing | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | FRN | NONE | | ✓ | FRN | NONE | | ✓ | FRN | 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 | | ✓ | FRN | NONE | | ✓ | FRN | NONE | | ✓ | FRN | NONE | |
| 72 | M - 4.1.2 | 8 | Landslide Guidelines | ongoing | | | | | | | | | | | | | ✓ | FRN | NONE | | ✓ | FRN | NONE | | ✓ | FRN | NONE | |
| 73 | M - 4.1.2 | 9 | Soil Stabilization | ongoing | | | | | | | | | | | | | | | | | | | | | | | | |
| 74 | M - 4.1.4 | 10 | Landfill Design | ongoing | | | | | | | | | | | | | | | | | | | | | | | | |
| 75 | M - 4.1.4 | 11 | Earthquake Operations Checklist | upon event | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | |
| 76 | M - 4.1.5 | 12 | Geologic Hazards - Liquefaction | ongoing | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | |
| 77 | M - 4.1.5 | 13 | Design/Construction-Liquefaction | ongoing | | | | | | | | | | | | | | | | | | | | | | | | |
| 78 | M - 4.1.5 | 14 | Design/Construction-Containment Structures | ongoing | | | | | | | | | | | | | | | | | | | | | | | | |
| 79 | M - 4.1.6 | 15 | Refuse Slope Gradients | ongoing | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | |
| 80 | M - 4.1.6 | 16 | Cut and Fill Slope Gradients | ongoing | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | |
| 81 | M - 4.1.6 | 17 | Final Slope Factors of Safety | ongoing | | | | | | | | | | | | | | | | | | | | | | | | |
| 82 | M - 4.1.6 | 18 | Survey Monuments | ongoing | ✓ | FRN | I-g | | ✓ | FRN | I-h | | ✓ | FRN | I-i | | ✓ | FRN | I-j | | ✓ | FRN | I-k | | ✓ | FRN | I-l | |
| 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 | | ✓ | FRN | NONE | | ✓ | FRN | NONE | | ✓ | FRN | NONE | |
| 89 | M - 4.18 | 178 | Landfill Elevation Exceedance | ongoing | ✓ | FRN | I-g | | ✓ | FRN | I-h | | ✓ | FRN | I-i | | ✓ | FRN | I-j | | ✓ | FRN | I-k | | ✓ | FRN | I-l | |
| 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-g | | ✓ | C | I-h | | ✓ | C | I-i | | ✓ | C | I-j | | ✓ | C | I-k | | ✓ | C | I-l | |
| 97 | M - 4.3.1 | 38 | Permanent/Temporary Ditches | ongoing | ✓ | C | I-g | | ✓ | C | I-h | | ✓ | FRN | I-i | | ✓ | C | I-j | | ✓ | C | I-k | | ✓ | FRN | I-l | |
| 98 | M - 4.3.1 | 39 | Drainage Protection | ongoing | ✓ | C | I-g | | ✓ | C | I-h | | ✓ | FRN | I-i | | ✓ | C | I-j | | ✓ | C | I-k | | ✓ | FRN | I-l | |
| 99 | M - 4.3.1 | 40 | SWRCB Permit Coverage | ongoing | ✓ | C | I-g | | ✓ | C | I-h | | ✓ | C | I-i | | ✓ | C | I-j | | ✓ | C | I-k | | ✓ | C | I-l | |
| 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-g | | ✓ | FRN | I-h | | ✓ | FRN | I-i | | ✓ | FRN | I-j | | ✓ | FRN | I-k | | ✓ | FRN | I-l | |
| 103 | M - 4.3.1 | 44 | Final Landfill Cover | ongoing | | | | | | | | | | | | | | | | | | | | | | | | |
| 104 | M - 4.3.1 | 45 | Erosion Control Plan | ongoing | ✓ | C | I-g | | ✓ | C | I-h | | ✓ | C | I-i | | ✓ | C | I-j | | ✓ | C | I-k | | ✓ | C | I-l | |
| 105 | M - 4.3.1 | 46 | Preventive Maintenance Program | ongoing | ✓ | FRN | I-g | | ✓ | FRN | I-h | | ✓ | FRN | I-i | | ✓ | FRN | I-j | | ✓ | FRN | I-k | | ✓ | FRN | I-l | |

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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-g | | ✓ | C | I-h | | ✓ | C | I-i | | ✓ | C | I-j | | ✓ | C | I-k | | ✓ | C | I-l | |
| 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-g | | ✓ | C | I-h | | ✓ | C | I-i | | ✓ | C | I-j | | ✓ | C | I-k | | ✓ | C | I-l | |
| 114 | M - 4.2.11 | 23 | Revegetation/Excavation | ongoing | ✓ | C | I-g | | ✓ | C | I-h | | ✓ | C | I-i | | ✓ | C | I-j | | ✓ | C | I-k | | ✓ | C | I-l | |
| 115 | M - 4.2.12 | | Temporary Vegetation Cover | ongoing | ✓ | C | I-g | | ✓ | C | I-h | | ✓ | C | I-i | | ✓ | C | I-j | | ✓ | C | I-k | | ✓ | C | I-l | |
| 116 | M - 4.4.1 | 60 | Coastal Sage Scrub Mitigation Plan | ongoing | ✓ | FRN | I-g | | ✓ | FRN | I-h | | ✓ | FRN | I-i | | ✓ | FRN | I-j | | ✓ | FRN | I-k | | ✓ | FRN | I-l | |
| 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-g | | ✓ | FRN | I-h | | ✓ | FRN | I-i | | ✓ | FRN | I-j | | ✓ | FRN | I-k | | ✓ | FRN | I-l | |
| 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-g | | ✓ | FRN | I-h | | ✓ | FRN | I-i | | ✓ | FRN | I-j | | ✓ | FRN | I-k | | ✓ | FRN | I-l | |
| 136 | M - 4.9.2 | 96 | Vector Activity Monitoring | ongoing | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | |
| 137 | M - 4.9.2 | 97 | Vector Elimination | ongoing | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | |
| 138 | M - 4.9.2 | 98 | Fly Control | ongoing | | | | | | | | | | | | | | | | | | | | | | | | |
| 139 | M - 4.9.2 | 99 | Rodent Control | ongoing | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | |
| 140 | M - 4.9.2 | 100 | Operational Vector-Limiting Activity | ongoing | | | | | | | | | | | | | | | | | | | | | | | | |
| 141 | M - 4.9.2 | 101 | Equipment Cleanliness/Maintenance | ongoing | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | |
| 142 | M - 4.9.2 | 102 | Storage of Vector-Attracting Items | ongoing | | | | | | | | | | | | | | | | | | | | | | | | |
| 143 | M - 4.9.2 | 103 | Salvaged Material Storage-Vector Control | ongoing | | | | | | | | | | | | | ✓ | FRN | NONE | | ✓ | FRN | NONE | | ✓ | FRN | NONE | |
| 144 | M - 4.9.2 | 104 | Periodic Vector Inspections | ongoing | | | | | | | | | | | | | | | | | | | | | | | | |
| 145 | M - 4.9.2 | 105 | Implementation of Vector Control Measures | ongoing | | | | | | | | | | | | | | | | | | | | | | | | |
| 146 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 147 | Air Quality & Noise Specialist | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 148 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 149 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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| 150 | M - 4.2.11 | 19 | Emissions Mitigation Measures | ongoing | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | |
| 151 | M - 4.2.11 | 19 | Construction Curtailing due to Pollution | ongoing | / | NA | NONE | | / | NA | NONE | | / | NA | NONE | | / | NA | NONE | | / | NA | NONE | | / | NA | NONE | |
| 152 | M - 4.2.11 | 20 | Dust Lofting Minimization | ongoing | | | | | | | | | | | | | | | | | | | | | | | | |
| 153 | M - 4.2.11 | 21 | Wind Speed Monitoring | ongoing | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | |
| 154 | M - 4.2.11 | 22 | Grading-Dust Reduction | ongoing | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | |
| 155 | M - 4.2.12 | 24 | Construction Equipment Maintenance | ongoing | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | |
| 156 | M - 4.2.12 | | Construction Curtailing due to Pollution | ongoing | / | NA | NONE | | / | NA | NONE | | / | NA | NONE | | / | NA | NONE | | / | NA | NONE | | / | NA | NONE | |
| 157 | M - 4.2.12 | 25 | Refuse Trucks-Maintenance | ongoing | | | | | | | | | | | | | | | | | | | | | | | | |
| 158 | M - 4.2.12 | | Refuse Trucks-Engine | ongoing | | | | | | | | | | | | | | | | | | | | | | | | |
| 159 | M - 4.2.12 | | Refuse Trucks-Fee Schedule | ongoing | | | | | | | | | | | | | | | | | | | | | | | | |
| 160 | M - 4.2.12 | | Refuse Trucks-Fee Schedule Delivery Time | ongoing | | | | | | | | | | | | | | | | | | | | | | | | |
| 161 | M - 4.2.12 | | Refuse Trucks-Idling | ongoing | | | | | | | | | | | | | | | | | | | | | | | | |
| 162 | M - 4.2.12 | | Refuse Trucks-Emissions | ongoing | | | | | | | | | | | | | | | | | | | | | | | | |
| 163 | M - 4.2.12 | 26 | Truck Travel and Fugitive Dust Emissions | ongoing | | | | | | | | | | | | | ✓ | FRN | NONE | | ✓ | FRN | NONE | | ✓ | FRN | NONE | |
| 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-g | | ✓ | C | I-h | | ✓ | C | I-i | | ✓ | C | I-j | | ✓ | C | I-k | | ✓ | C | I-l | |
| 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-g | | ✓ | C | I-h | | ✓ | C | I-i | | ✓ | C | I-j | | ✓ | C | I-k | | ✓ | C | I-l | |

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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-g | | / | | I-h | | / | | I-i | | / | | I-j | | / | | I-k | | / | | I-l | |
| 7 | Amendment 45.N - 4.c | 45N | Odor Patrol Program | ongoing | / | | I-g | | / | | I-h | | / | | I-i | | / | | I-j | | / | | I-k | | / | | I-l | |
| 8 | Amendment 45.N - 4.d | 45N | Landfill Gas Mitigation Plan | ongoing | / | | I-g | | / | | I-h | | / | | I-i | | / | | I-j | | / | | I-k | | / | | I-l | |
| 9 | Amendment 45.N - 5 | 45N | Dust and Odor Reports | ongoing | / | | I-g | | / | | I-h | | / | | I-i | | / | | I-j | | / | | I-k | | / | | I-l | |
| 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-g | | ✓ | C | I-h | | ✓ | C | I-i | | ✓ | C | I-j | | ✓ | C | I-k | | ✓ | C | I-l | |
| 16 | Fugitive Dust - 45.B | 45.B | Working Face Areas | ongoing | ✓ | C | I-g | | ✓ | C | I-h | | ✓ | C | I-i | | ✓ | C | I-j | | ✓ | C | I-k | | ✓ | C | I-l | |
| 17 | Fugitive Dust - 45.F | 45.F | Inactive Areas Monitoring | ongoing | ✓ | C | I-g | | ✓ | C | I-h | | ✓ | C | I-i | | ✓ | C | I-j | | ✓ | C | I-k | | ✓ | C | I-l | |
| 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-g | | ✓ | FRN | I-h | | ✓ | FRN | I-i | | ✓ | FRN | I-j | | ✓ | FRN | I-k | | ✓ | FRN | I-l | |
| 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 | | ✓ | FRN | NONE | | ✓ | FRN | NONE | | ✓ | FRN | NONE | |
| 29 | Alternative Fuel Vehicles - 77.B | 77.B | Alternative Fuel Vehicles-Refuse/Collection Trucks | status | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | FRN | NONE | | ✓ | FRN | NONE | | ✓ | FRN | NONE | |
| 30 | Alternative Fuel Vehicles - 77.C | 77.C | Alternative Fuel Vehicles-Report | status | | | | | | | | | | | | | | | | | | | | | | | | |
| 31 | Alternative Fuel Vehicles - 77.D | 77.D | Alternative Fuel Vehicles-heavy-duty, alternative fuel off-road equipment pilot program | status | | | | | | | | | | | | | | | | | | | | | | | | |
| 32 | Alternative Fuel Vehicles - 77.E | 77.E | Alternative Fuel Vehicles-Non-diesel Requirements | status | | | | | | | | | | | | | | | | | | | | | | | | |
| 33 | Alternative Fuel Vehicles - 77.F | 77.F | Alternative Fuel Vehicles-Non-diesel Truck Trip Requirements | status | | | | | | | | | | | | | | | | | | | | | | | | |
| 34 | Alternative Fuel Vehicles - 77.G | 77.G | Alternative Fuel Vehicles-Clean Fuel Demo Program | status | | | | | | | | | | | | | | | | | | | | | | | | |
| 35 | Alternative Fuel Vehicles - 77.H | 77.H | Alternative Fuel Vehicles-Compliance Evaluation | status | | | | | | | | | | | | | | | | | | | | | | | | |
| 36 | Air Quality Monitoring - 81 | 81 | Air Quality Monitoring-Testing | ongoing | / | | | | / | | | | / | | | | / | | | | / | | | | / | | | |
| 37 | | | Air Quality Monitoring-Testing | | | | | | | | | | | | | | | | | | | | | | | | | |
| 38 | IMP - Part I.A | IMP1 | Air Quality Monitoring-Testing | ongoing | / | | | | / | | | | / | | | | / | | | | / | | | | / | | | |
| 39 | | | Air Quality Monitoring-Testing | | | | | | | | | | | | | | | | | | | | | | | | | |
| 40 | IMP - Part VI | IMP6 | Air Quality Monitoring-Testing | ongoing | / | | | | / | | | | / | | | | / | | | | / | | | | / | | | |
| 41 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 42 | MMRS-12/01/06 | | Mitigation Monitoring and Reporting Summary | info | / | | | | / | | | | / | | | | / | | | | / | | | | / | | | |
| 43 | | | Permits | | | | | | | | | | | | | | | | | | | | | | | | | |
| 44 | Geology - 1.15 | | Permittee's On-site Solid Waste Recovery and Recycling Program | status | / | | | | / | | | | / | | | | / | | | | / | | | | / | | | |
| 45 | Surface Water - 2.09 | | SWRCB Permit Coverage | ongoing | / | | | | / | | | | / | | | | / | | | | / | | | | / | | | |
| 46 | Surface Water - 2.15 | | Surface Water Preventive Maintenance Program | ongoing | ✓ | FRN | I-g | | ✓ | FRN | I-h | | ✓ | FRN | I-i | | ✓ | FRN | I-j | | ✓ | FRN | I-k | | ✓ | FRN | I-l | |
| 47 | Groundwater - 3.13 | | Groundwater-LFG Migration Mitigation | ongoing | | | | | | | | | | | | | | | | | | | | | | | | |

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| | | | | | 7/22/2020 | Status* | Further Review Needed/Comments** | Resolved* | 8/18/2020 | Status* | Further Review Needed/Comments** | Resolved* | 9/17/2020 | Status* | Further Review Needed/Comments** | Resolved* | 10/20/2020 | Status* | Further Review Needed/Comments** | Resolved* | 11/30/2020 | Status* | Further Review Needed/Comments** | Resolved* | 12/16/2020 | Status* |
| 48 | Groundwater - 3.14 | | Groundwater-Monitoring Wells | ongoing | | | | | | | | | | | | | | | | | | | | | | |
| 49 | BIOTA – 4.05 | | Annual Fee Submission for SEA Studies | status | / | | | | / | | | | / | | | | / | | | | / | | | / | | |
| 50 | BIOTA – 4.06 | | Buffer Zone Maintenance as Nature Preserve | ongoing | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C |
| 51 | BIOTA – 4.07 | | Buffer Zone Maintenance-Vegetation | ongoing | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C |
| 52 | BIOTA – 4.08 | | Ridgeline Maintenance-Remain Undisturbed | ongoing | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C |
| 53 | BIOTA – 4.47 | | Cleaning of Equipment | ongoing | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C |
| 54 | BIOTA – 4.48 | | Monitoring of Vector-Attracting Items | ongoing | | | | | | | | | | | | | | | | | | | | | | |
| 55 | BIOTA – 4.49 | | Salvaged Material Storage-Vector Control | ongoing | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C |
| 56 | BIOTA – 4.50 | | Vector Activity Monitoring | ongoing | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C |
| 57 | Air Quality - 6.03 | | Dust Emission Minimization | ongoing | ✓ | FRN | I-g | | ✓ | FRN | I-h | | ✓ | FRN | I-i | | ✓ | FRN | I-j | | ✓ | FRN | I-k | | ✓ | FRN |
| 58 | Air Quality - 6.04 | | Usage of Cut Material for Cover | ongoing | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C |
| 59 | Air Quality - 6.05 | | Operations in Accordance with SCAQMD/DOPW Requirements | info | / | | | | / | | | | / | | | | / | | | | / | | | | / | |
| 60 | Air Quality - 6.06 | | Landfill Gas Control/Extraction System/Monitoring | ongoing | / | | | | / | | | | / | | | | / | | | | / | | | | / | |
| 61 | Air Quality - 6.07 | | Flaring Systems | info | / | | | | / | | | | / | | | | / | | | | / | | | | / | |
| 62 | Air Quality - 6.08 | | Management of Truck Arrivals | ongoing | | | | | | | | | | | | | | | | | | | | | | |
| 63 | Air Quality - 6.10 | | Refuse Truck Mitigation | status | | | | | | | | | | | | | | | | | | | | | | |
| 64 | Air Quality - 6.11 | | Light Duty Alternative Fuel Vehicles | status | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | FRN | NONE | | ✓ | FRN | NONE | | ✓ | FRN |
| 65 | Air Quality - 6.11 | | Alternative Fuel Refuse Collection/Transfer Trucks | status | | | | | | | | | | | | | | | | | | | | | | |
| 66 | Air Quality - 6.11 | | Alternative Fuel Vehicle Report Submission | status | | | | | | | | | | | | | | | | | | | | | | |
| 67 | Air Quality - 6.11 | | Heavy-duty, Alternative Fuel Off-Road Equipment Pilot Program | status | | | | | | | | | | | | | | | | | | | | | | |
| 68 | Air Quality - 6.11 | | Non-Diesel, Alternative Fuel Vehicles-Transfer/Collection Trucks | status | | | | | | | | | | | | | | | | | | | | | | |
| 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-g | | ✓ | FRN | I-h | | ✓ | FRN | I-i | | ✓ | FRN | I-j | | ✓ | FRN | I-k | | ✓ | FRN | I-l |
| 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 | I-g | | ✓ | C | I-h | | ✓ | C | I-i | | ✓ | FRN | I-j | | ✓ | FRN | I-k | | ✓ | FRN | I-l |
| 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-Variou Tasks | info | / | | | | / | | | | / | | | | / | | | | / | | | | / | | | |
| 98 | | | Clean Dirt Procedures | | | | | | | | | | | | | | | | | | | | | | | | | |
| 99 | Site - 15.11 | | Reclaimed Water Utilization | status | / | | | | / | | | | / | | | | / | | | | / | | | | / | | | |
| 100 | Site - 15.12 | | Water Conservation Measures | ongoing | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | |
| 101 | Admin Rpts/Pgms - 17.4 | | Operation Compliance | info | / | | | | / | | | | / | | | | / | | | | / | | | | / | | | |
| 102 | Admin Rpts/Pgms -17.10 | | Fill Sequencing Plans | status | | | | | | | | | | | | | | | | | | | | | | | | |
| 103 | Admin Rpts/Pgms-17.15 | | Quarterly Newsletter | status | | | | | | | | | | | | | ✓ | FRN | NONE | | ✓ | FRN | NONE | | ✓ | FRN | NONE | |
| 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-g | | ✓ | FRN | I-h | | ✓ | FRN | I-i | | ✓ | FRN | I-j | | ✓ | FRN | I-k | | ✓ | FRN | I-l | |
| 129 | Geology - 1.02 | | Seismic Design | ongoing | | | | | | | | | | | | | | | | | | | | | | | | |
| 130 | Geology - 1.03 | | Maximum Refuse Slope Gradients | ongoing | | | | | | | | | | | | | | | | | | | | | | | | |
| 131 | Geology - 1.04 | | Maximum Refuse Slope Gradients | ongoing | | | | | | | | | | | | | | | | | | | | | | | | |
| 132 | Geology - 1.05 | | Unsuitable Material Procedures | ongoing | | | | | | | | | | | | | | | | | | | | | | | | |
| 133 | Geology - 1.06 | | Grading Activities Procedures | ongoing | | | | | | | | | | | | | | | | | | | | | | | | |
| 134 | Geology - 1.07 | | Grading Activities Procedures | ongoing | ✓ | C | I-g | | ✓ | C | I-h | | ✓ | C | I-i | | ✓ | C | I-j | | ✓ | C | I-k | | ✓ | C | I-l | |

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| 135 | Geology - 1.09 | | Outer Perimeter Ridgeline Requirements | info | | | | | | | | | | | | | | | | | | | | | | | |
| 136 | Geology - 1.12 | | Soil Stabilization | ongoing | ✓ | FRN | I-g | | ✓ | FRN | I-h | | ✓ | FRN | I-i | | ✓ | FRN | I-j | | ✓ | FRN | I-k | | ✓ | FRN | I-l |
| 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-g | | ✓ | FRN | I-h | | ✓ | FRN | I-i | | ✓ | FRN | I-j | | ✓ | FRN | I-k | | ✓ | FRN | I-l |
| 148 | Visual – 10.02 | | Final Fill Elevations | ongoing | ✓ | FRN | I-g | | ✓ | FRN | I-h | | ✓ | FRN | I-i | | ✓ | FRN | I-j | | ✓ | FRN | I-k | | ✓ | FRN | I-l |
| 149 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 150 | Hydrologist | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 151 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 152 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 153 | Grading & Drainage - 38 | 38 | Installation of Drainage Structures | ongoing | | | | | | | | | | | | | | | | | | | | | | | |
| 154 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 155 | Geology - 1.17 | | Landfill Design/Construction-Seismic | ongoing | | | | | | | | | | | | | | | | | | | | | | | |
| 156 | Surface Water - 2.01 | | Surface Water Runoff Interception | ongoing | | | | | | | | | | | | | | | | | | | | | | | |
| 157 | Surface Water - 2.02 | | Surface Water Runoff Collection | ongoing | | | | | | | | | | | | | | | | | | | | | | | |
| 158 | Surface Water - 2.03 | | Surface Drainage Control-Maintenance | ongoing | ✓ | FRN | I-g | | ✓ | FRN | I-h | | ✓ | FRN | I-i | | ✓ | FRN | I-j | | ✓ | FRN | I-k | | ✓ | FRN | I-l |

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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-g | | ✓ | C | I-h | | ✓ | C | I-i | | ✓ | C | I-j | | ✓ | C | I-k | | ✓ | C | I-l |
| 164 | Surface Water - 2.11 | | Surface Water Quality-Collection/Monitoring | ongoing | | | | | | | | | | | | | | | | | | | | | | | |
| 165 | Surface Water - 2.12 | | Permanent/Temporary Drainage Facilities | ongoing | ✓ | C | I-g | | ✓ | C | I-h | | ✓ | C | I-i | | ✓ | C | I-j | | ✓ | C | I-k | | ✓ | C | I-l |
| 166 | Surface Water - 2.13 | | Permanent/Temporary Drainage Facilities | ongoing | | | | | | | | | | | | | | | | | | | | | | | |
| 167 | Surface Water - 2.14 | | Erosion Control Plan | ongoing | ✓ | C | I-g | | ✓ | C | I-h | | ✓ | C | I-i | | ✓ | C | I-j | | ✓ | C | I-k | | ✓ | C | I-l |
| 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-g | | ✓ | C | I-h | | ✓ | C | I-i | | ✓ | C | I-j | | ✓ | C | I-k | | ✓ | C | I-l |
| 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-g | | ✓ | C | I-h | | ✓ | C | I-i | | ✓ | C | I-j | | ✓ | C | I-k | | ✓ | C | I-l |
| 181 | Geology - 1.14 | | Personnel Retention for Monitoring Soil Erosion | ongoing | ✓ | C | I-g | | ✓ | C | I-h | | ✓ | C | I-i | | ✓ | C | I-j | | ✓ | C | I-k | | ✓ | C | I-l |
| 182 | Groundwater - 3.11 | | Irrigation/Revegetation Management-Personnel Retention | ongoing | | | | | | | | | | | | | | | | | | | | | | | |
| 183 | BIOTA – 4.10 | | Oak Tree Permit | ongoing | ✓ | FRN | C | | ✓ | C | I-h | | ✓ | C | I-i | | ✓ | C | NONE | | ✓ | C | I-k | | ✓ | C | I-l |

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| 184 | BIOTA – 4.11 | | Oak Tree Mitigation Plan | ongoing | ✓ | FRN | C | | ✓ | C | I-h | | ✓ | C | I-i | | ✓ | C | NONE | | ✓ | C | I-k | | ✓ | C | I-l | |
| 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-g | | ✓ | FRN | I-h | | ✓ | FRN | I-i | | ✓ | FRN | I-j | | ✓ | FRN | I-k | | ✓ | FRN | I-l | |
| 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-g | | ✓ | C | I-h | | ✓ | C | I-i | | ✓ | C | I-j | | ✓ | C | I-k | | ✓ | C | I-l | |
| 202 | BIOTA – 4.43 | | Replacement Riparian Habitat | status | ✓ | FRN | I-g | | ✓ | FRN | I-h | | ✓ | FRN | I-i | | ✓ | FRN | I-j | | ✓ | FRN | I-k | | ✓ | FRN | I-l | |
| 203 | Air Quality - 6.02 | | Dust Control | ongoing | ✓ | C | I-g | | ✓ | C | I-h | | ✓ | C | I-i | | ✓ | C | I-j | | ✓ | C | I-k | | ✓ | C | I-l | |
| 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-g | | ✓ | C | I-h | | ✓ | C | I-i | | ✓ | C | I-j | | ✓ | C | I-k | | ✓ | C | I-l | |
| 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-g | | ✓ | C | I-h | | ✓ | C | I-i | | ✓ | C | I-j | | ✓ | C | I-k | | ✓ | C | I-l | |
| 220 | Fugitive Dust - 45.I | 45.I | Paved Roads-Cleaning | ongoing | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | |
| 221 | Fugitive Dust - 45.N | 45.N | Report Submission-Dust/Odor | every quarter | | | | | | | | | | | | | | | | | | | | | | | | |
| 222 | Air Quality Monitoring - 81 | 81 | Air Quality Monitoring-Tests | ongoing | | | | | | | | | | | | | | | | | | | | | | | | |
| 223 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 224 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 225 | Air Quality – 6.01 | | Fugitive Dust Aversion | ongoing | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | |
| 226 | Air Quality – 6.01 | | Working Face Requirements | ongoing | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | |
| 227 | Air Quality – 6.01 | | Erosion Control-Daily Cover | ongoing | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | |
| 228 | Air Quality – 6.01 | | Soil Stockpile Requirements | ongoing | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | |
| 229 | Air Quality – 6.01 | | Active Area Fill | ongoing | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | NONE | |
| 230 | Air Quality – 6.01 | | Soil Sealant | ongoing | | | | | | | | | | | | | | | | | | | | | | | | |
| 231 | Air Quality – 6.01 | | Dust Emissions-Road Maintenance | ongoing | ✓ | C | I-g | | ✓ | C | I-h | | ✓ | C | I-i | | ✓ | C | I-j | | ✓ | C | I-k | | ✓ | C | I-l | |

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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 | | ✓ | C | NONE | | ✓ | C | NONE | | ✓ | C | 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-g | | ✓ | C | I-h | | ✓ | C | I-i | | ✓ | C | I-j | | ✓ | C | I-k | | ✓ | C | I-l | |
| 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 | | / | FRN | NONE | | / | FRN | NONE | | / | FRN | NONE | |
| 279 | Archaeological – 5.03 | | Onsite Paleontologist | ongoing | ✓ | C | I-g | | ✓ | C | I-h | | ✓ | C | I-i | | ✓ | C | I-j | | ✓ | C | I-k | | ✓ | C | I-l | |
| 280 | Archaeological – 5.04 | | Archaeological/Paleontological Identification Instruction | ongoing | / | NA | NONE | | / | NA | NONE | | / | NA | NONE | | / | NA | NONE | | / | NA | NONE | | / | NA | NONE | |

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| 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-g | | ✓ | C | I-h | | ✓ | C | I-i | | ✓ | C | I-j | | ✓ | C | I-k | | ✓ | C | I-l | |
| 287 | IMP - Part VII.B | IMP7 | Archaeological/Paleontological-Report Submission | ongoing | | | | | | | | | | | | | | | | | | | | | | | | |

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Further Review Needed Comments: Reference I-j through I-l Fourth 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-j through I-l: There was no grading outside of the approved landfill development limits during the 4th Quarter. Cell CC-4 Part 3 was the only area accepting waste during the 4th Quarter. Cell CC-4 Part 1/2 was at the finished elevation for this phase. CC-4 Part 4A construction was completed in September, with the liner approved by RWQCB in December, and waste being placed in this cell on December 16, 2020. This cell provides a good lower elevation, wind-protected area for winter and spring weather conditions. 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. The shop and LEA building will be moved in 2021. |
| | | Geology - 1.07 | County DPW EPD/SCL-LEA | I-j through I-l: See Q – B.2.c above. |
| | | Geology - 1.12 | County DPW EPD/SCL-LEA | I-j through I-l: See Q – B.2.c above. |
| | Q - C.3.h | | City Planning | I-j and I-l: In the 4th Quarter, localized dust clouds occurred on the County top deck when waste hauling transfer and soil importation trucks used the dirt roads. Packer trucks using the top decks' roads from the scales to the active area generated localized dust clouds. Climatic conditions were an important factor on dust generation. The use of more water trucks employed on a demand-basis should be considered. The dust was not observed leaving the site. |
| | Q - C.10.c | | City Planning | <p>I-j: The gas-to-energy plant was using 9028 SCFM of recovered landfill gas. Flare 1: 2074 SCFM of recovered landfill gas, 42% CH₄, 1.8% O₂, 100 ppm H₂S; Flare 3: was not operating; Flare 9: 2799 SCFM; Flare 10: 2850 SCFM; Flare 11: 2866. The quality of the gas recovered was 39% CH₄, 1.5% O₂ and 71 ppm H₂S. The total volume of landfill gas being recovered was 19,617 SCFM.</p> <p>I-k: The gas-to-energy plant was using 8916 SCFM of recovered landfill gas, 28% CH₄, 1.9% O₂, 70 ppm H₂S. Flare 1: 2644 SCFM, 31% CH₄, 1.9% O₂, 100 ppm H₂S; Flare 3: was not operating; Flare 9: 2753 SCFM; Flare 10: 2790 SCFM; Flare 11: 2731 SCFM. The total volume of landfill gas being recovered was 19,834 SCFM.</p> <p>I-l: The gas-to-energy plant was using 4788 SCFM of recovered landfill gas, 41% CH₄, 1.1% O₂, 76 ppm H₂S. A portion of the gas-to-energy facility was down for maintenance. Flare 1: 2627 SCFM, 31% CH₄, 1.7% O₂, 100 ppm H₂S; Flare 3: 2091 SCFM; Flare 9: 3438 SCFM; Flare 10: 3626 SCFM; Flare 11: 3479 SCFM. The total volume of landfill gas being recovered was 20,049 SCFM.</p> <p>I-j and I-l: The quantity of landfill gas being recovered during the 4th Quarter has a daily average of 19,800 SCFM, with the gas-to-energy plant usage averaging 9000-9500 SCFM. An expansion of the gas-to-energy plant or a different beneficial use facility needs to be considered. Republic has stated that they are pursuing options for using the gas</p> |
| | | Odor/Landfill Gas - 7.07 | County Planning/SCAQMD SCL-LEA | I-j and I-l: See Q - C.10.c above. |
| | | Gas - 52 | County DPW EPD/SCL-LEA County Forester Fire Warden | I-j and I-l: See Q - C.10.c above. |

| Discipline | City Condition Reference # / Mitigation # | County Condition Reference #/ Mitigation # | Responsible Agency | Further Review Needed – Comments |
|-----------------|---|--|---|---|
| Project Manager | T-4 | | City Planning, City Fire Department | I-j through I-l: 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. This should be possible by Fall of 2021. 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. |
| | | Fire Service - 12.03 | County DPW EPD/SCL-LEA County Forester Fire Warden | I-j through I-l: See T-4 above. |
| | M - 4.1.1 / 7 | | City Planning, DOGGR | I-j through I-l: 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-j through I-l: See M - 4.1.1 / 7 above. |
| | M - 4.1.4 / 11 | Post-5.0 Earthquake Analysis | City Planning | I-j through I-l: There were no earthquakes of 5.0 or greater during this monitoring period. |
| | M - 4.2.12 / 26 and 28 | | City Planning/SCAQMD | I-j through I-l: During the 4th 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 substantially reduced in height and size. Soil was being used for cover, site improvements and operations. |
| | | Fugitive Dust - 45.F | County DPH/County LEA County DPW-EPD County Biologist | I-j through I-l: See M - 4.2.12 / 28 above. |
| | M -4.2.13/ 29, 30, 32, 33, and 34 | | City Planning/SCL-LEA/SCAQMD | I-j through I-l: 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-j through I-l: See M -4.2.13/ 29, 30, 32, 34 above. |
| | | Amendment 45.N-5 | County DPW-EPD | I-j through I-l: See M -4.2.13/ 29, 30, 32, 34 above. |

| Discipline | City Condition Reference # / Mitigation # | County Condition Reference #/ Mitigation # | Responsible Agency | Further Review Needed – Comments |
|-----------------|---|--|----------------------------------|---|
| Project Manager | M - 4.2.13 / 33 | | City Planning/SCAQMD | <p>I-j through I-l: On our random days of site visits during the 4th Quarter, no landfill odors were detected in the adjacent neighborhoods. In the 4th Quarter, there were four NOV's in October, none in November, and one in December for trash odors. The operations in the tipping area were changed to identify odorous loads and only allow tipping in areas that would be able to control the odors from leaving the site. Localized odors from gas and liquids recovery systems' construction and maintenance were detected during this quarter's monitoring. The odor occurrences were controlled onsite and were short in duration. A sacrificial HDPE liner and gas and liquids recovery system was installed in the 3rd Quarter on the Cell CC-2A west slopes adjacent to Cell CC-4 Part 4A. This was operating and was very effective in controlling odors.</p> <p>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.</p> |
| | M - 4.2.13 / 34 | | City Planning/SCAQMD | I-g through I-i: See M-4.2.13/29, 30, and 32 above. |
| | | Odor/Landfill Gas - 7.06 | County DPW-EPD/SCL-LEA/SCAQMD | I-j and I-l: See M-4.2.13/33 above. |
| | | Amendment 45.N - 4.a, 4.c, 4.d | County DPW-EPD | I-j and I-l: See M-4.2.13/29, 30, 32, and 34 above. |
| | | Amendment 45.N - 5 | County DPW-EPD | I-j and I-l: See M-4.2.13/29, 30, 32, and 34 above. |
| | | Surface Water - 2.15 | County DPW EPD/LARWQCB, SCL- LEA | <p>I-j through I-l: A preventative maintenance program with inspection of facility equipment, systems and storm water management devices to detect conditions that may cause breakdowns or failures resulting in discharge of materials into stormwater should be performed on a monthly basis, with a summary report issued on a quarterly basis. These reports have been reviewed prior to COVID-19 restrictions and were available at the landfill's main office.</p> <p>In the 4th Quarter, it was observed that vegetation was growing out of numerous cracks in the water retention basins and drainage conveyance channels' concrete. The terminal basin had vegetation growing out of cracks in the interior and exterior concrete side walls and top access walkway. Basins B and D concrete outlets had vegetation growing in cracks. The eastside drainage channel had vegetation growing in and adjacent to the concrete channel. There were areas of the channels and basins that needed the growing vegetation to be removed, and repair of the concrete and sealing of cracks.</p> |
| | M - 4.4.2/ 69 | | City Planning | I-j through I-l: The City was proceeding with writing and adopting an ordinance to allow the wetlands and riparian mitigation to be created in the Chatsworth Reservoir. All environmental analysis has been completed. Republic stated that there has been no progress in finalizing and adopting the ordinance in 2020. Since the COVID-19 pandemic, progress has been suspended. 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 and 2021 have not been received. No progress has been made in 2020 on this required mitigation. |

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

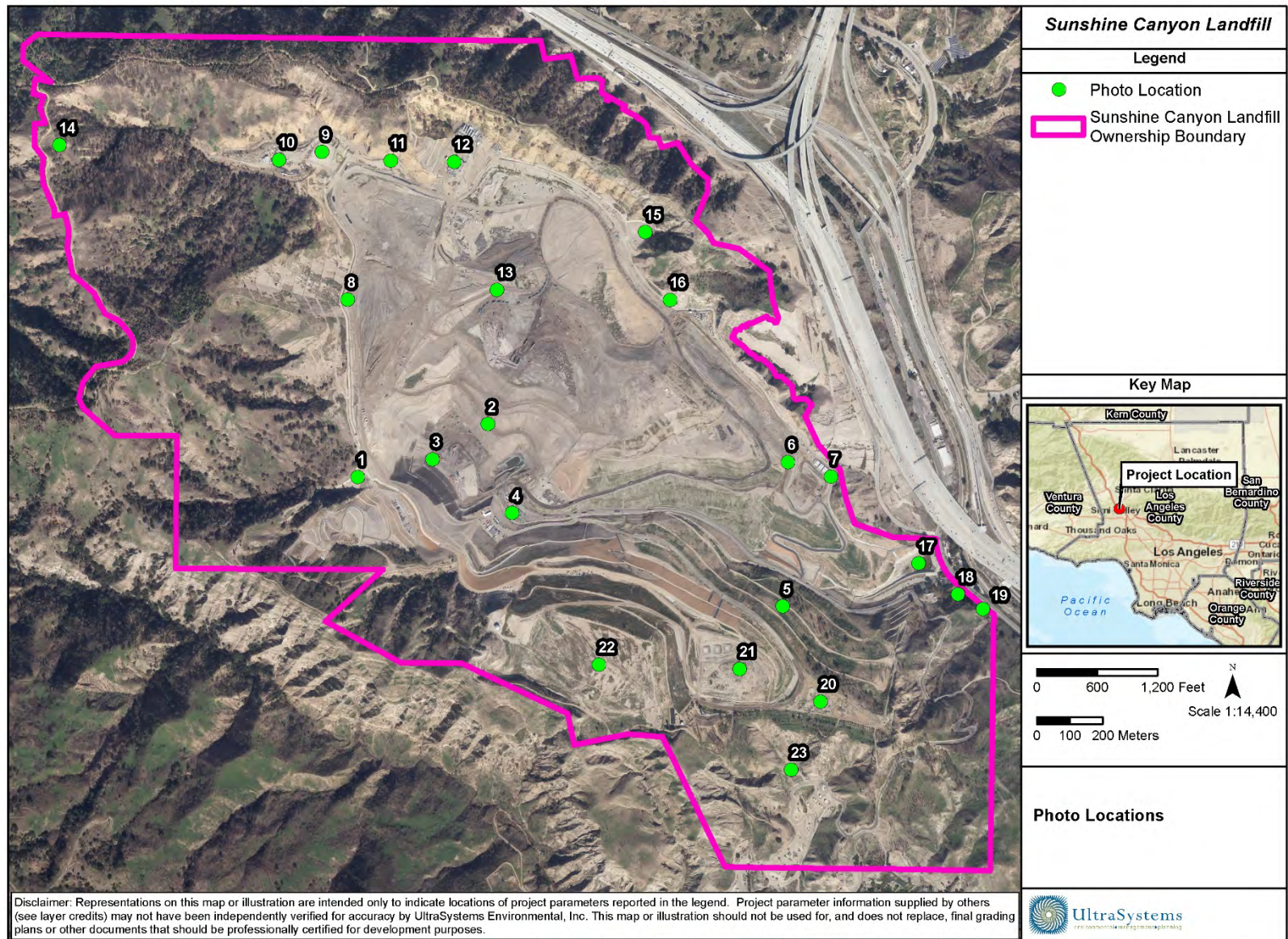
| Discipline | City Condition Reference # / Mitigation # | County Condition Reference #/ Mitigation # | Responsible Agency | Further Review Needed – Comments |
|-------------|---|--|---|---|
| Hydrologist | M - 4.3.1 / 39 | | City Planning/LARWQCB Cal Recycle | I-j through I-l: See M - 4.3.1/ 37, 38 above. |
| | M - 4.3.1 / 40 | | City Planning/ LARWQCB CalRecycle SCL-LEA PW-BOE LADBS | I-j through I-l: See M - 4.3.1/ 37, 38 above. |
| | M - 4.3.1 / 43 | | City Planning/ LARWQCB CalRecycle SCL-LEA PW-BOE LADBS | I-j through I-l: By mid-December, all basins were almost dry and free of sediment and litter. The terminal basin had ponding water and the outlet risers' area had sediment and litter around them. Basin A was dry and free of sediment. Windblown litter was in the back native vegetation slopes. Basin D was dry and free of sediment and litter. Basin B was dry and free of sediment. Litter was observed in the back slopes native vegetation. The channels were free of sediment on all but the eastside drainage system. These channels had growing vegetation, windblown brush, and some spots with an accumulation of sediment and windblown litter. |
| | | Surface Water - 2.10 | LARWQCB / County DPW EPD | I-j through I-l: See M - 4.3.1/ 37, 38 and 43 above. |
| | | Surface Water - 2.14 | LARWQCB / County DPW EPD | I-j through I-l: 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-j through I-l: See 2.15 above. |
| | M - 4.3.2 / 50 | | City Planning/ LARWQCB CalRecycle SCL-LEA | I-j through I-l: The old City north top deck has a tank farm of 16 Alder storage tanks for processing recovered leachate and condensate, with a double-wall pipeline to the sewer connection at the entrance near San Fernando Road. This system operated with no odors detected at the tank farm nor the sewer connection during the 4th Quarter. Tank farm liquids were being treated with hydrogen peroxide at the tank farm and at the sewer connection. |

| Discipline | City Condition Reference # / Mitigation # | County Condition Reference # / Mitigation # | Responsible Agency | Further Review Needed – Comments |
|------------|---|---|--|--|
| Biologist | M - 4.1.1 / 6 | | City Planning/ LARWQCB CalRecycle SCL-LEA LADBS | I-j through I-l: See M - 4.2.12 / 28 above. |
| | | Geology - 1.14 | LARWQCB/ County Forester | I-j through I-l: See M - 4.2.12 / 28 above. |
| | M - 4.2.11 / 23 | | City Planning | I-j through I-l: See M - 4.2.12 / 28 above. |
| | | Geology - 1.13 | County DPW EPD/ County Forester LARWQCB | I-j through I-l: See M - 4.2.12 / 28 above. |
| | M - 4.2.12 | | SCL-LEA/ City Planning | I-j through I-l: See M - 4.2.12 / 28 above. |
| | | Revegetation - 44.A | SCL-LEA/ County DPW EPD Regional Planning County Biologist | I-j through I-l: See M - 4.2.12 / 28 above. |
| | | Revegetation - 44.F | SCL-LEA/ County DPW EPD Regional Planning County Biologist | I-j through I-l: See M - 4.2.12 / 28 above. |
| | | Biota - 4.42 | SCL-LEA | I-j through I-l: See M - 4.2.12 / 28 above. |
| | | Air Quality - 6.02 | SCAQMD/ SCL-LEA | I-j through I-l: See M - 4.2.12 / 28 above. |
| | | Visual - 10.08 | County Forester | I-j through I-l: See M - 4.2.12 / 28 above. |
| | M - 4.4.1 / 60 | | City Planning | I-j through I-l: During the 4th 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-j through I-l: See M - 4.4.1 / 60 above. |
| | | Biota - 4.10 | County LEA/CDFW | I-j through I-l: An updated mitigation tree report evaluating the impacts of the Saddleridge Fire and other impacts was being prepared. The number and type of trees that will need to be replaced will be addressed in the report. A replacement schedule will be developed at a future time. A mitigation tree replacement plan, scope and schedule has not been issued. |
| | M - 4.4.3 / 72 | | City Planning | I-j through I-l: See Biota - 4.10 above. |

| Discipline | City Condition Reference # / Mitigation # | County Condition Reference # / Mitigation # | Responsible Agency | Further Review Needed – Comments |
|-----------------------|--|--|---|---|
| Biologist | M - 4.9.4 / 121 | | City Planning/Cal Recycle Cal OSHA LAFD City LEA | I-j through I-l: See T-4 above. |
| | M-4.9.4/ 125 | | City Planning/ CalRecycle Cal OSHA SCL-LEA | I-j through I-l: During the 4th Quarter of 2020, the south oil field gate and north perimeter gate were observed to be locked. |
| Paleontologist | M-4.19.2/ 191 | | City Planning | I-j through I-l: During the 4th Quarter, there was no grading in native undisturbed areas that required paleontological monitoring. |
| | | Ecological Significance 62 | County Planning | I-j through I-l: See M-4.19.2/ 191 above. |

Appendix II

Relevant Site Photos



October 12, 2020

Photo Location Map Key

| Map Location | Title | Photo Number |
|--------------|--|--------------|
| 1 | Basin A | 1 – 12 |
| 2 | Working Area, CC4 Part 1 and Part 2 | – |
| 3 | Working Area, CC4 Part 3 | 13 – 68 |
| 4 | Cell Construction Area, CC-4 Part 4A | 69 – 126 |
| 5 | Closure Turf | 127 – 133 |
| 6 | Office and Scales Location | 134 – 150 |
| 7 | Alder Tank Liquids Treatment System | 151 – 156 |
| 8 | County Sage Mitigation Area and Westside Drainage Channels | 157 – 178 |
| 9 | Basin D | 179 – 185 |
| 10 | Basin D Material Storage Area | 186 – 190 |
| 11 | Basin D Outlet Channel | – |
| 12 | Flares 9, 10, 11 and Gas-to-Energy Facility | 191 – 218 |
| 13 | County Top Deck | 219 – 228 |
| 14 | North Access Road | 229 – 230 |
| 15 | Basin B | 231 – 247 |
| 16 | Eastside Drainage Channel | 248 – 259 |
| 17 | Terminal Basin | 260 – 286 |
| 18 | Greywater Sewer Connection | 287 – 288 |
| 19 | Retaining Wall at San Fernando Road | 289 – 304 |
| 20 | Sage Mitigation, Deck C | 305 – 320 |
| 21 | Sage Mitigation, Deck B | 321 – 330 |
| 22 | Sage Mitigation, Deck A | 331 – 333 |
| 23 | Southern Ownership Buffer | 334 – 355 |
| – | General Site | 356 – 520 |



Photo 1: Basin A: October 20, 2020



Photo 2: Basin A: October 20, 2020



Photo 3: Basin A: October 20, 2020



Photo 4: Basin A Back Native Area: October 20, 2020



Photo 5: Basin A North Native Slope: October 20, 2020



Photo 6: Basin A North Native Slopes: November 30, 2020



Photo 7: Basin A: November 30, 2020



Photo 8: Basin A: November 30, 2020



Photo 9: Basin A Back Native Area: December 16, 2020



Photo 10: Basin A North Native Slope: December 16, 2020



Photo 11: Basin A: December 16, 2020



Photo 12: Basin A: December 16, 2020



Photo 13: Working Area, CC-4 Part 3: October 20, 2020



Photo 14: Working Area, CC-4 Part 3: October 20, 2020



Photo 15: Working Area, CC-4 Part 3: October 20, 2020



Photo 16: Working Area, CC-4 Part 3: October 20, 2020



Photo 17: Working Area, CC-4 Part 3: October 20, 2020



Photo 18: Working Area, CC-4 Part 3: October 20, 2020



Photo 19: Working Area, CC-4 Part 3: October 20, 2020



Photo 20: Working Area, CC-4 Part 3: October 20, 2020



Photo 21: Working Area, CC-4 Part 3: October 20, 2020



Photo 22: Working Area, CC-4 Part 3: October 20, 2020



Photo 23: Working Area, CC-4 Part 3: October 20, 2020



Photo 24: Working Area, CC-4 Part 3: October 20, 2020



Photo 25: Working Area, CC-4 Part 3: October 20, 2020



Photo 26: Working Area, CC-4 Part 3: October 20, 2020



Photo 27: Working Area, CC-4 Part 3: October 20, 2020



Photo 28: Working Area, CC-4 Part 3: October 20, 2020



Photo 29: Working Area, CC-4 Part 3: October 20, 2020



Photo 31: Working Area, CC-4 Part 3: October 20, 2020



Photo 30: Working Area, CC-4 Part 3: October 20, 2020



Photo 32: Working Area, CC-4 Part 3: October 20, 2020



Photo 33: Working Area, CC-4 Part 3: October 20, 2020



Photo 34: Working Area, CC-4 Part 3: October 20, 2020



Photo 35: Working Area, CC-4 Part 3: October 20, 2020



Photo 36: Working Area, CC-4 Part 3: October 20, 2020



Photo 37: Working Area, CC-4 Part 3: November 30, 2020



Photo 38: Working Area, CC-4 Part 3: November 30, 2020



Photo 39: Working Area, CC-4 Part 3: November 30, 2020



Photo 40: Working Area, CC-4 Part 3: November 30, 2020



Photo 41: Working Area, CC-4 Part 3: November 30, 2020



Photo 42: Working Area, CC-4 Part 3: November 30, 2020



Photo 43: Working Area, CC-4 Part 3: November 30, 2020



Photo 44: Working Area, CC-4 Part 3: November 30, 2020



Photo 45: Working Area, CC-4 Part 3: November 30, 2020



Photo 46: Working Area, CC-4 Part 3: November 30, 2020



Photo 47: Working Area, CC-4 Part 3: November 30, 2020



Photo 48: Working Area, CC-4 Part 3: November 30, 2020



Photo 49: Working Area, CC-4 Part 3: December 16, 2020



Photo 50: Working Area, CC-4 Part 3: December 16, 2020



Photo 51: Working Area, CC-4 Part 3: December 16, 2020



Photo 52: Working Area, CC-4 Part 3: December 16, 2020



Photo 53: Working Area, CC-4 Part 3: December 16, 2020



Photo 54: Working Area, CC-4 Part 3: December 16, 2020



Photo 55: Working Area, CC-4 Part 3: December 16, 2020



Photo 56: Working Area, CC-4 Part 3: December 16, 2020



Photo 57: Working Area, CC-4 Part 3: December 16, 2020



Photo 58: Working Area, CC-4 Part 3: December 16, 2020



Photo 59: Working Area, CC-4 Part 3: December 16, 2020



Photo 60: Working Area, CC-4 Part 3: December 16, 2020



Photo 61: Working Area, CC-4 Part 3: December 16, 2020



Photo 62: Working Area, CC-4 Part 3: December 16, 2020



Photo 63: Working Area, CC-4 Part 3: December 16, 2020



Photo 64: Working Area, CC-4 Part 3: December 16, 2020



Photo 65: Working Area, CC-4 Part 3: December 16, 2020



Photo 66: Working Area, CC-4 Part 3: December 16, 2020



Photo 67: Working Area, CC-4 Part 3: December 16, 2020



Photo 68: Working Area, CC-4 Part 3: December 16, 2020



Photo 69: Cell Construction Area, CC-4 Part 4A: October 20, 2020



Photo 70: Cell Construction Area, CC-4 Part 4A: October 20, 2020



Photo 71: Cell Construction Area, CC-4 Part 4A: October 20, 2020



Photo 72: Cell Construction Area, CC-4 Part 4A: October 20, 2020



Photo 73: Cell Construction Area, CC-4 Part 4A: October 20, 2020



Photo 74: Cell Construction Area, CC-4 Part 4A: October 20, 2020

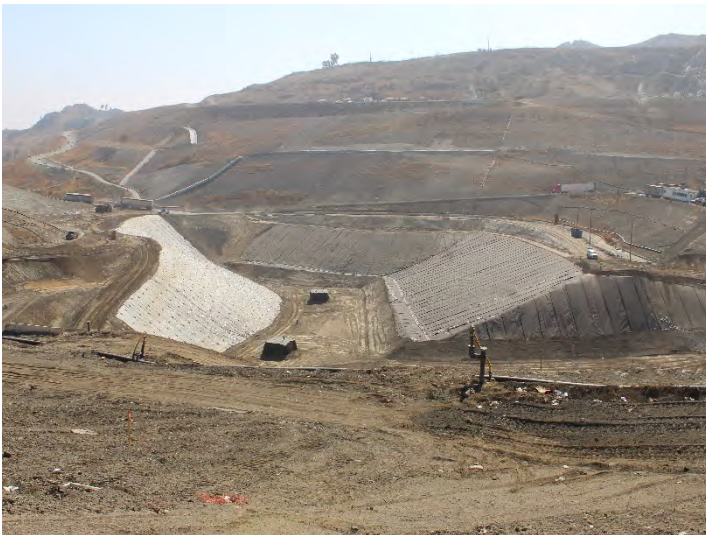


Photo 75: Cell Construction Area, CC-4 Part 4A: October 20, 2020



Photo 76: Cell Construction Area, CC-4 Part 4A: October 20, 2020



Photo 77: Cell Construction Area, CC-4 Part 4A: October 20, 2020



Photo 78: Cell Construction Area, CC-4 Part 4A: October 20, 2020



Photo 79: Cell Construction Area, CC-4 Part 4A: October 20, 2020



Photo 80: Cell Construction Area, CC-4 Part 4A: October 20, 2020



Photo 81: Cell Construction Area, CC-4 Part 4A: October 20, 2020

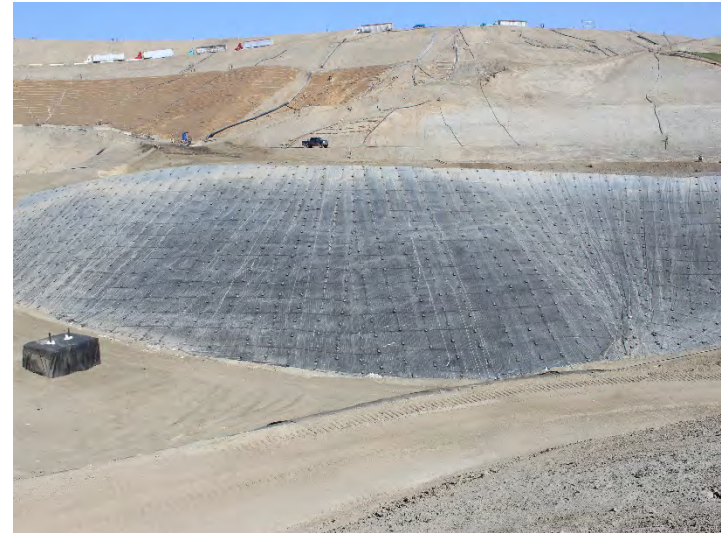


Photo 82: Cell Construction Area, CC-4 Part 4A: October 20, 2020



Photo 83: Cell Construction Area, CC-4 Part 4A: October 20, 2020



Photo 84: Cell Construction Area, CC-4 Part 4A: October 20, 2020



Photo 85: Cell Construction Area, CC-4 Part 4A: October 20, 2020



Photo 86: Cell Construction Area, CC-4 Part 4A: October 20, 2020



Photo 87: Cell Construction Area, CC-4 Part 4A: October 20, 2020

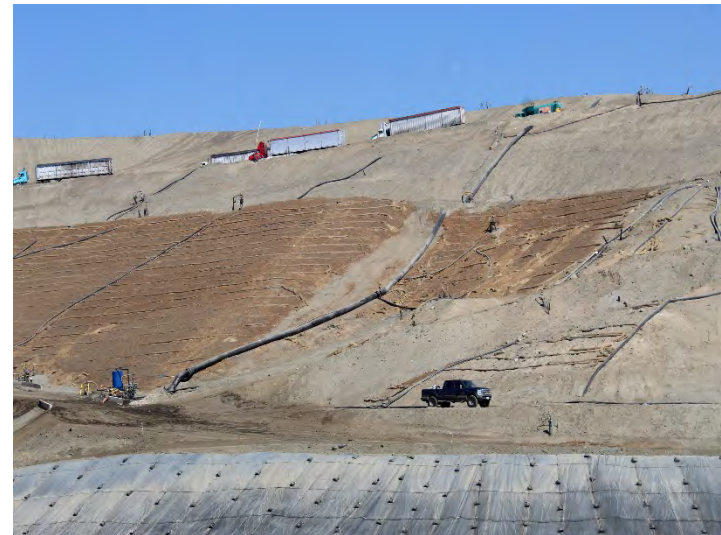


Photo 88: Cell Construction Area, CC-4 Part 4A: October 20, 2020



Photo 89: Cell Construction Area, CC-4 Part 4A: October 20, 2020

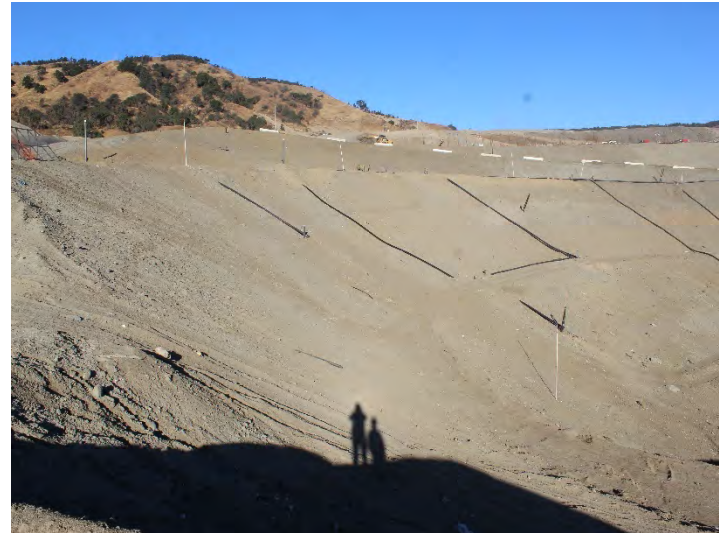


Photo 90: Cell Construction Area, CC-4 Part 4A: November 30, 2020



Photo 91: Cell Construction Area, CC-4 Part 4A: November 30, 2020



Photo 92: Cell Construction Area, CC-4 Part 4A: November 30, 2020



**Photo 93: Cell Construction Area, CC-4 Part 4A:
November 30, 2020**



**Photo 94: Cell Construction Area, CC-4 Part 4A:
November 30, 2020**



**Photo 95: Cell Construction Area, CC-4 Part 4A:
November 30, 2020**



**Photo 96: Cell Construction Area, CC-4 Part 4A:
November 30, 2020**



**Photo 97: Cell Construction Area, CC-4 Part 4A:
November 30, 2020**



**Photo 98: Cell Construction Area, CC-4 Part 4A:
November 30, 2020**



**Photo 99: Cell Construction Area, CC-4 Part 4A:
November 30, 2020**



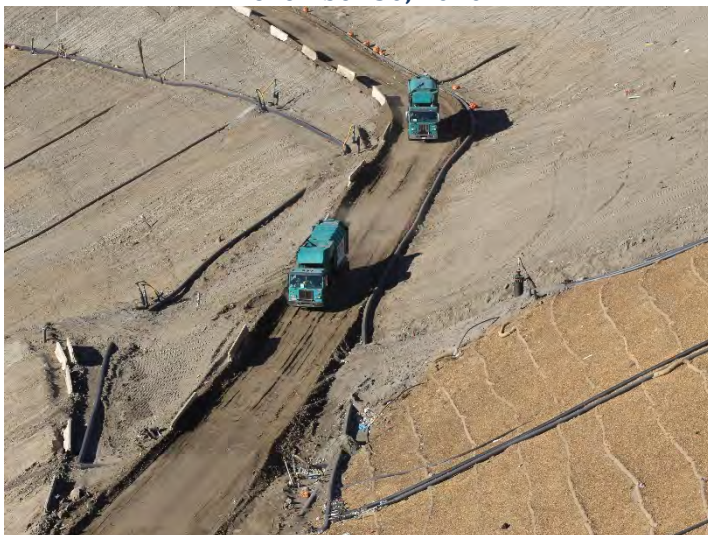
**Photo 100: Cell Construction Area, CC-4 Part 4A:
November 30, 2020**



**Photo 101: Cell Construction Area, CC-4 Part 4A:
November 30, 2020**



**Photo 102: Cell Construction Area, CC-4 Part 4A:
November 30, 2020**



**Photo 103: Cell Construction Area, CC-4 Part 4A:
November 30, 2020**



**Photo 104: Cell Construction Area, CC-4 Part 4A:
November 30, 2020**



**Photo 105: Cell Construction Area, CC-4 Part 4A:
November 30, 2020**



**Photo 106: Cell Construction Area, CC-4 Part 4A:
November 30, 2020**



**Photo 107: Cell Construction Area, CC-4 Part 4A:
November 30, 2020**



**Photo 108: Cell Construction Area, CC-4 Part 4A:
November 30, 2020**



**Photo 109: Cell Construction Area, CC-4 Part 4A:
November 30, 2020**



**Photo 110: Cell Construction Area, CC-4 Part 4A:
November 30, 2020**



**Photo 111: Cell Construction Area, CC-4 Part 4A:
November 30, 2020**



**Photo 112: Cell Construction Area, CC-4 Part 4A:
November 30, 2020**



**Photo 113: Cell Construction Area, CC-4 Part 4A:
November 30, 2020**



**Photo 114: Cell Construction Area, CC-4 Part 4A:
November 30, 2020**



**Photo 115: Cell Construction Area, CC-4 Part 4A:
December 16, 2020**



**Photo 116: Cell Construction Area, CC-4 Part 4A:
December 16, 2020**



**Photo 117: Cell Construction Area, CC-4 Part 4A:
December 16, 2020**



**Photo 118: Cell Construction Area, CC-4 Part 4A:
December 16, 2020**



**Photo 119: Cell Construction Area, CC-4 Part 4A:
December 16, 2020**



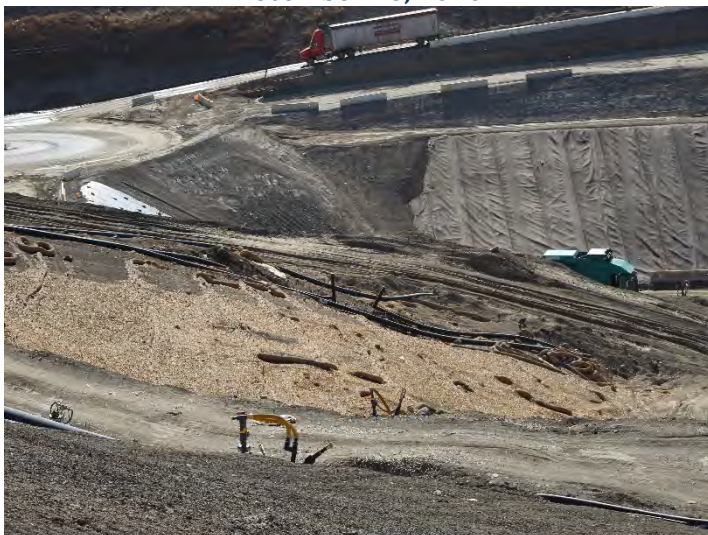
**Photo 120: Cell Construction Area, CC-4 Part 4A:
December 16, 2020**



**Photo 121: Cell Construction Area, CC-4 Part 4A:
December 16, 2020**



**Photo 122: Cell Construction Area, CC-4 Part 4A:
December 16, 2020**



**Photo 123: Cell Construction Area, CC-4 Part 4A:
December 16, 2020**



**Photo 124: Cell Construction Area, CC-4 Part 4A:
December 16, 2020**



**Photo 125: Cell Construction Area, CC-4 Part 4A:
December 16, 2020**



**Photo 126: Cell Construction Area, CC-4 Part 4A:
December 16, 2020**



Photo 127: Closure Turf: October 20, 2020



Photo 128: Closure Turf: October 20, 2020



Photo 129: Closure Turf: October 20, 2020



Photo 130: Closure Turf: October 20, 2020



Photo 131: Closure Turf: November 30, 2020



Photo 132: Closure Turf: December 16, 2020

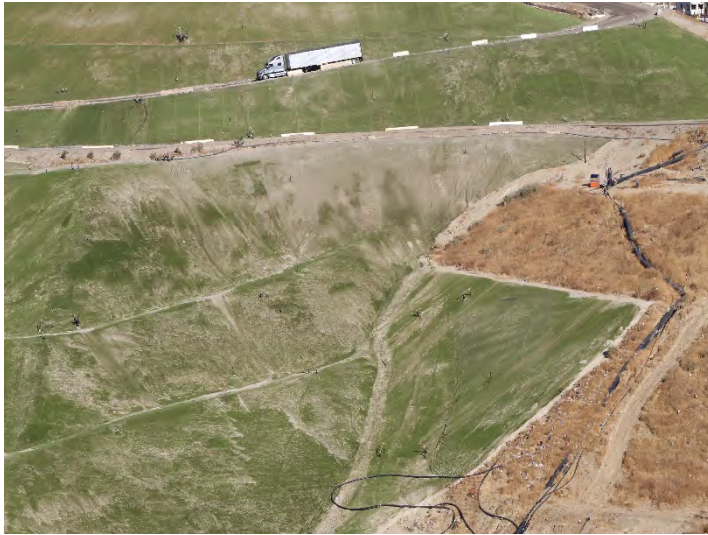


Photo 133: Closure Turf: December 16, 2020



Photo 134: Office and Scales Location: October 20, 2020



Photo 135: Office and Scales Location: October 20, 2020



Photo 136: Office and Scales Location: October 20, 2020



Photo 137: Office and Scales Location: October 20, 2020



Photo 138: Office and Scales Location: October 20, 2020



Photo 139: Office and Scales Location: November 30, 2020



Photo 140: Office and Scales Location: November 30, 2020



Photo 141: Office and Scales Location: November 30, 2020



Photo 142: Office and Scales Location: November 30, 2020



Photo 143: Office and Scales Location: November 30, 2020



Photo 144: Office and Scales Location: November 30, 2020



Photo 145: Office and Scales Location: November 30, 2020



Photo 146: Office and Scales Location: November 30, 2020



Photo 147: Office and Scales Location: November 30, 2020



Photo 148: Office and Scales Location: November 30, 2020



Photo 149: Office and Scales Location: December 16, 2020



Photo 150: Office and Scales Location: December 16, 2020



**Photo 151: Alder Tank Liquids Treatment System:
October 20, 2020**



**Photo 152: Alder Tank Liquids Treatment System:
October 20, 2020**



**Photo 153: Alder Tank Liquids Treatment System:
October 20, 2020**



**Photo 154: Alder Tank Liquids Treatment System:
November 30, 2020**



**Photo 155: Alder Tank Liquids Treatment System:
November 30, 2020**



**Photo 156: Alder Tank Liquids Treatment System:
November 30, 2020**



Photo 157: County Sage Mitigation Area: October 20, 2020



Photo 158: County Sage Mitigation Area: November 30, 2020



Photo 159: County Sage Mitigation Area: November 30, 2020



Photo 160: County Sage Mitigation Area: November 30, 2020



Photo 161: County Sage Mitigation Area: November 30, 2020



Photo 162: County Sage Mitigation Area: December 16, 2020



Photo 163: County Sage Mitigation Area: December 16, 2020



Photo 164: County Sage Mitigation Area: December 16, 2020



Photo 165: County Sage Mitigation Area: December 16, 2020



Photo 166: Westside Drainage Channel: November 30, 2020



Photo 167: Westside Drainage Channel: November 30, 2020



Photo 168: Westside Drainage Channel: November 30, 2020



Photo 169: Westside Drainage Channel: November 30, 2020



Photo 170: Westside Drainage Channel: November 30, 2020



Photo 171: Westside Drainage Channel: November 30, 2020



Photo 172: Westside Drainage Channel: November 30, 2020



Photo 173: Westside Drainage Channel: November 30, 2020



Photo 174: Westside Drainage Channel: December 16, 2020



Photo 175: Westside Drainage Channel: December 16, 2020



Photo 176: Westside Drainage Channel: December 16, 2020



Photo 177: Westside Drainage Channel: December 16, 2020



Photo 178: Westside Drainage Channel: December 16, 2020



Photo 179: Basin D: October 20, 2020



Photo 180: Basin D: October 20, 2020



Photo 181: Basin D: November 30, 2020



Photo 182: Basin D: November 30, 2020



Photo 183: Basin D: November 30, 2020



Photo 184: Basin D: November 30, 2020



Photo 185: Basin D: November 30, 2020



Photo 186: Basin D Storage Area: October 20, 2020



Photo 187: Basin D Storage Area: October 20, 2020



Photo 188: Basin D Storage Area: November 30, 2020



Photo 189: Basin D Storage Area: November 30, 2020



Photo 190: Basin D Storage Area: December 16, 2020



**Photo 191: Flares 9, 10, 11:
October 20, 2020**



**Photo 192: Flares 9, 10, 11:
October 20, 2020**



**Photo 193: Flares 9, 10, 11 Site Drainage Channel:
October 20, 2020**



**Photo 194: Flares 9, 10, 11 Site Drainage Channel:
October 20, 2020**



**Photo 195: Flares 9, 10, 11:
October 20, 2020**



**Photo 196: Flares 9, 10, 11:
November 30, 2020**



**Photo 197: Gas-to-Energy Facility:
November 30, 2020**



**Photo 198: Flares 9, 10, 11 and Gas-to-Energy Facility:
November 30, 2020**



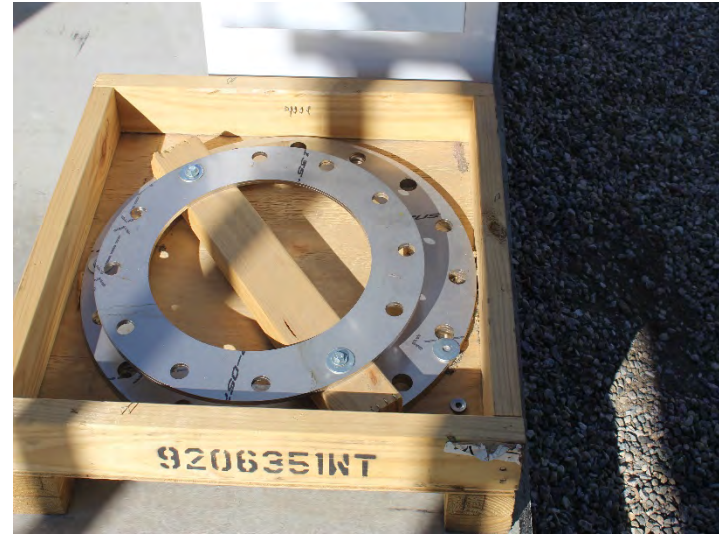
**Photo 199: Flares 9, 10, 11:
November 30, 2020**



**Photo 200: Flares 9, 10, 11:
November 30, 2020**



**Photo 201: Flares 9, 10, 11:
November 30, 2020**



**Photo 202: Flares 9, 10, 11:
November 30, 2020**



**Photo 203: Flares 9, 10, 11:
November 30, 2020**



**Photo 204: Flares 9, 10, 11:
November 30, 2020**



**Photo 205: Flares 9, 10, 11 Site Drainage Channel:
November 30, 2020**



**Photo 206: Flares 9, 10, 11 Site Drainage Channel:
November 30, 2020**



**Photo 207: Flares 9, 10, 11:
November 30, 2020**



**Photo 208: Flares 9, 10, 11:
November 30, 2020**



Photo 209: Flares 9, 10, 11:
November 30, 2020



Photo 210: Flares 9, 10, 11:
November 30, 2020



Photo 211: Flares 9, 10, 11:
November 30, 2020



Photo 212: Flares 9, 10, 11:
November 30, 2020



**Photo 213: Gas-to-Energy Facility:
November 30, 2020**



**Photo 214: Gas-to-Energy Facility:
December 16, 2020**



**Photo 215: Flares 9, 10, 11:
December 16, 2020**



**Photo 216: Flares 9, 10, 11:
December 16, 2020**



**Photo 217: Flares 9, 10, 11 Site Drainage Channel:
December 16, 2020**



**Photo 218: Flares 9, 10, 11:
December 16, 2020**



Photo 219: County Top Deck: October 20, 2020



Photo 220: County Top Deck: October 20, 2020



Photo 221: County Top Deck: November 30, 2020



Photo 222: County Top Deck: November 30, 2020



Photo 223: County Top Deck: November 30, 2020



Photo 224: County Top Deck: November 30, 2020



Photo 225: County Top Deck: November 30, 2020



Photo 226: County Top Deck: December 16, 2020



Photo 227: County Top Deck: December 16, 2020



Photo 228: County Top Deck: December 16, 2020



Photo 229: North Access Road: November 30, 2020



Photo 230: North Access Road: December 16, 2020



Photo 231: Basin B: October 20, 2020



Photo 232: Basin B: October 20, 2020



Photo 233: Basin B: October 20, 2020



Photo 234: Basin B: October 20, 2020



Photo 235: Basin B: October 20, 2020



Photo 236: Basin B Back Native Slope: October 20, 2020



Photo 237: Basin B Outlet Concrete Channel: October 20, 2020



Photo 238: Basin B Outlet Concrete Channel: October 20, 2020



Photo 239: Basin B: November 30, 2020



Photo 240: Basin B: November 30, 2020



Photo 241: Basin B: November 30, 2020



Photo 242: Basin B: November 30, 2020



Photo 243: Basin B Outlet Concrete Channel: November 30, 2020



Photo 244: Basin B Back Native Slope: November 30, 2020



Photo 245: Basin B Outlet Concrete Channel: November 30, 2020



Photo 246: Basin B Eastside Drainage Channel: November 30, 2020



Photo 247: Eastside Drainage Channel: November 30, 2020



Photo 248: Eastside Drainage Channel: October 20, 2020



Photo 249: Eastside Drainage Channel: October 20, 2020



Photo 250: Eastside Drainage Channel: October 20, 2020



Photo 251: Eastside Drainage Channel: October 20, 2020



Photo 252: Eastside Drainage Channel: November 30, 2020



Photo 253: Eastside Drainage Channel: November 30, 2020



Photo 254: Eastside Drainage Channel: November 30, 2020



Photo 255: Eastside Drainage Channel: November 30, 2020



Photo 256: Eastside Drainage Channel: November 30, 2020



Photo 257: Eastside Drainage Channel: November 30, 2020



Photo 258: Eastside Drainage Channel: November 30, 2020



Photo 259: Eastside Drainage Channel: November 30, 2020



**Photo 260: Terminal Basin Westside Drainage Channel Inlet:
October 20, 2020**



**Photo 261: Terminal Basin Westside Drainage Channel Inlet:
October 20, 2020**



Photo 262: Terminal Basin: October 20, 2020



Photo 263: Terminal Basin: October 20, 2020



Photo 264: Terminal Basin Outlet Risers: October 20, 2020



Photo 265: Terminal Basin Outlet Risers: October 20, 2020



Photo 266: Terminal Basin Outlet Risers: October 20, 2020



Photo 267: Terminal Basin: October 20, 2020



Photo 268: Terminal Basin: October 20, 2020



Photo 269: Terminal Basin Outlet Channel: October 20, 2020



Photo 270: Terminal Basin Outlet Channel: October 20, 2020



**Photo 271: Terminal Basin Westside Drainage Channel Inlet:
November 30, 2020**



Photo 272: Terminal Basin Outlet Risers: November 30, 2020



Photo 273: Terminal Basin Outlet Risers: November 30, 2020



Photo 274: Terminal Basin Outlet Risers: November 30, 2020



Photo 275: Terminal Basin: November 30, 2020



Photo 276: Terminal Basin: November 30, 2020



**Photo 277: Terminal Basin Eastside Drainage Channel Inlet:
November 30, 2020**



**Photo 278: Terminal Basin Westside Drainage Channel Inlet:
December 16, 2020**



**Photo 279: Terminal Basin Eastside Drainage Channel Inlet:
December 16, 2020**



Photo 280: Terminal Basin: December 16, 2020



Photo 281: Terminal Basin: December 16, 2020



Photo 282: Terminal Basin: December 16, 2020



Photo 283: Terminal Basin Outlet Risers: December 16, 2020



Photo 284: Terminal Basin Outlet Risers: December 16, 2020



Photo 285: Terminal Basin: December 16, 2020



Photo 286: Terminal Basin: December 16, 2020



Photo 287: Sewer Connection: October 20, 2020



Photo 288: Sewer Connection: October 20, 2020



**Photo 289: Retaining Wall at San Fernando Road:
October 20, 2020**



**Photo 290: Retaining Wall at San Fernando Road:
October 20, 2020**



**Photo 291: Retaining Wall at San Fernando Road:
October 20, 2020**



**Photo 292: Retaining Wall at San Fernando Road:
October 20, 2020**



**Photo 293: Retaining Wall at San Fernando Road:
October 20, 2020**



**Photo 294: Retaining Wall at San Fernando Road:
October 20, 2020**



**Photo 295: Retaining Wall at San Fernando Road:
October 20, 2020**



**Photo 296: Retaining Wall at San Fernando Road:
October 20, 2020**



**Photo 297: Retaining Wall at San Fernando Road:
October 20, 2020**



**Photo 298: Retaining Wall at San Fernando Road:
October 20, 2020**



**Photo 299: Retaining Wall at San Fernando Road:
October 20, 2020**



**Photo 300: Retaining Wall at San Fernando Road:
October 20, 2020**



**Photo 301: Retaining Wall at San Fernando Road:
October 20, 2020**



**Photo 302: Retaining Wall at San Fernando Road:
October 20, 2020**



**Photo 303: Retaining Wall at San Fernando Road:
October 20, 2020**



**Photo 304: Retaining Wall at San Fernando Road:
October 20, 2020**



Photo 305: Sage Mitigation, Deck C: October 20, 2020



Photo 306: Sage Mitigation, Deck C: October 20, 2020



Photo 307: Sage Mitigation, Deck C: October 20, 2020



Photo 308: Sage Mitigation, Deck C: October 20, 2020



Photo 309: Sage Mitigation, Deck C: October 20, 2020



Photo 310: Sage Mitigation, Deck C: October 20, 2020



Photo 311: Sage Mitigation, Deck C: October 20, 2020



Photo 312: Sage Mitigation, Deck C: October 20, 2020



Photo 313: Sage Mitigation, Deck C: October 20, 2020



Photo 314: Sage Mitigation, Deck C: November 30, 2020



Photo 315: Sage Mitigation, Deck C: November 30, 2020



Photo 316: Sage Mitigation, Deck C: December 16, 2020



Photo 317: Sage Mitigation, Deck C: December 16, 2020



Photo 318: Sage Mitigation, Deck C: December 16, 2020



Photo 319: Sage Mitigation, Deck C: December 16, 2020



Photo 320: Sage Mitigation, Deck C: December 16, 2020



Photo 321: Sage Mitigation, Deck B: October 20, 2020



Photo 322: Sage Mitigation, Deck B: October 20, 2020



Photo 323: Sage Mitigation, Deck B: November 30, 2020



Photo 324: Sage Mitigation, Deck B: November 30, 2020



Photo 325: Sage Mitigation, Deck B: November 30, 2020



Photo 327: Sage Mitigation, Deck B: November 30, 2020



Photo 326: Sage Mitigation, Deck B: November 30, 2020



Photo 328: Sage Mitigation, Deck B: December 16, 2020



Photo 329: Sage Mitigation, Deck B: December 16, 2020



Photo 330: Sage Mitigation, Deck B: December 16, 2020



Photo 331: Sage Mitigation, Deck A: December 16, 2020



Photo 332: Sage Mitigation, Deck A: December 16, 2020



Photo 333: Sage Mitigation, Deck A: December 16, 2020



Photo 334: Landfill South Access Road Oaks: October 20, 2020



Photo 335: Landfill South Access Road Oaks: October 20, 2020



Photo 336: Landfill South Access Road: October 20, 2020



Photo 337: Southern Ownership Buffer: October 20, 2020



Photo 338: Southern Ownership Buffer: October 20, 2020



Photo 339: PM 10 Berm Oak Trees: October 20, 2020



Photo 340: PM 10 Berm Oak Trees: October 20, 2020



Photo 341: PM 10 Berm Oak Trees: October 20, 2020



Photo 342: PM 10 Berm Oak Trees: October 20, 2020



Photo 343: PM 10 Berm Oak Trees: October 20, 2020



Photo 344: PM 10 Berm Oak Trees: October 20, 2020



Photo 345: PM 10 Berm Oak Trees: October 20, 2020



Photo 346: PM 10 Berm Oak Trees: October 20, 2020



Photo 347: PM 10 Berm Oak Trees: November 30, 2020



Photo 348: PM 10 Berm Oak Trees: November 30, 2020



Photo 349: South Perimeter Gate: December 16, 2020



**Photo 350: Landfill South Access Road Gate:
December 16, 2020**



Photo 351: PM 10 Berm Oak Trees: December 16, 2020



Photo 352: PM 10 Berm Oak Trees: December 16, 2020



Photo 353: PM 10 Berm Oak Trees: December 16, 2020



Photo 354: PM 10 Berm Oak Trees: December 16, 2020



Photo 355: PM 10 Berm Oak Trees: December 16, 2020



Photo 356: General Site: October 20, 2020



Photo 357: North Perimeter Ridge Oaks Trees: October 20, 2020



Photo 358: North Perimeter Ridge Oaks Trees: October 20, 2020



Photo 359: North Perimeter Ridge Oaks Trees: October 20, 2020



Photo 360: North Perimeter Ridge Oaks Trees: October 20, 2020



Photo 361: North Perimeter Ridge Oaks Trees: October 20, 2020



Photo 362: North Perimeter Ridge Oaks Trees: October 20, 2020



Photo 363: General Site: October 20, 2020



Photo 364: General Site: October 20, 2020



Photo 365: General Site: October 20, 2020



Photo 366: General Site: October 20, 2020



Photo 367: General Site: October 20, 2020



Photo 368: General Site: October 20, 2020



Photo 369: General Site: October 20, 2020



Photo 370: Big Cone Fir Mitigation Area: October 20, 2020



Photo 371: Big Cone Fir Mitigation Area: October 20, 2020



Photo 372: Big Cone Fir Mitigation Area: October 20, 2020



Photo 373: Big Cone Fir Mitigation Area: October 20, 2020



Photo 374: Big Cone Fir Mitigation Area: October 20, 2020



Photo 375: Big Cone Fir Mitigation Area: October 20, 2020



Photo 376: Big Cone Fir Mitigation Area: October 20, 2020



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Photo 380: Big Cone Fir Mitigation Area: October 20, 2020



Photo 381: Big Cone Fir Mitigation Area: October 20, 2020



Photo 382: Big Cone Fir Mitigation Area: October 20, 2020



Photo 383: Big Cone Fir Mitigation Area: October 20, 2020



Photo 384: Big Cone Fir Mitigation Area: October 20, 2020



Photo 385: Big Cone Fir Mitigation Area: October 20, 2020



Photo 386: Big Cone Fir Mitigation Area: October 20, 2020



Photo 387: Big Cone Fir Mitigation Area: October 20, 2020



Photo 388: Big Cone Fir Mitigation Area: October 20, 2020



Photo 389: Big Cone Fir Mitigation Area: October 20, 2020



Photo 390: Big Cone Fir Mitigation Area: October 20, 2020



Photo 391: Big Cone Fir Mitigation Area: October 20, 2020



Photo 392: Big Cone Fir Mitigation Area: October 20, 2020



Photo 393: Big Cone Fir Mitigation Area: October 20, 2020



Photo 394: Big Cone Fir Mitigation Area: October 20, 2020



Photo 395: Big Cone Fir Mitigation Area: October 20, 2020



Photo 396: Big Cone Fir Mitigation Area: October 20, 2020



Photo 397: Big Cone Fir Mitigation Area: October 20, 2020



Photo 398: Big Cone Fir Mitigation Area: October 20, 2020



Photo 399: Big Cone Fir Mitigation Area: October 20, 2020



Photo 400 Big Cone Fir Mitigation Area: October 20, 2020



Photo 401: Big Cone Fir Mitigation Area: October 20, 2020



Photo 402: Big Cone Fir Mitigation Area: October 20, 2020



Photo 403: Big Cone Fir Mitigation Area: October 20, 2020



Photo 404: Big Cone Fir Mitigation Area: October 20, 2020



Photo 405: General Site: October 20, 2020



Photo 406: General Site: October 20, 2020



Photo 407: General Site: October 20, 2020



Photo 408: General Site: October 20, 2020



Photo 409: General Site: October 20, 2020



Photo 410: General Site: October 20, 2020



Photo 411: General Site: October 20, 2020



Photo 412: General Site: October 20, 2020



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Photo 414: General Site: October 20, 2020



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Photo 419: General Site: October 20, 2020



Photo 420: General Site: October 20, 2020



Photo 421: General Site: October 20, 2020



Photo 422: General Site: October 20, 2020



Photo 423: General Site: October 20, 2020



Photo 424: General Site: October 20, 2020



Photo 425: General Site: October 20, 2020



Photo 426: General Site: October 20, 2020



Photo 427: General Site: October 20, 2020



Photo 428: General Site: October 20, 2020



Photo 429: General Site: October 20, 2020



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Photo 432: General Site: October 20, 2020



Photo 433: General Site: October 20, 2020



Photo 434: General Site: October 20, 2020



Photo 435: General Site: October 20, 2020



Photo 436: General Site: November 30, 2020



Photo 437: General Site: November 30, 2020

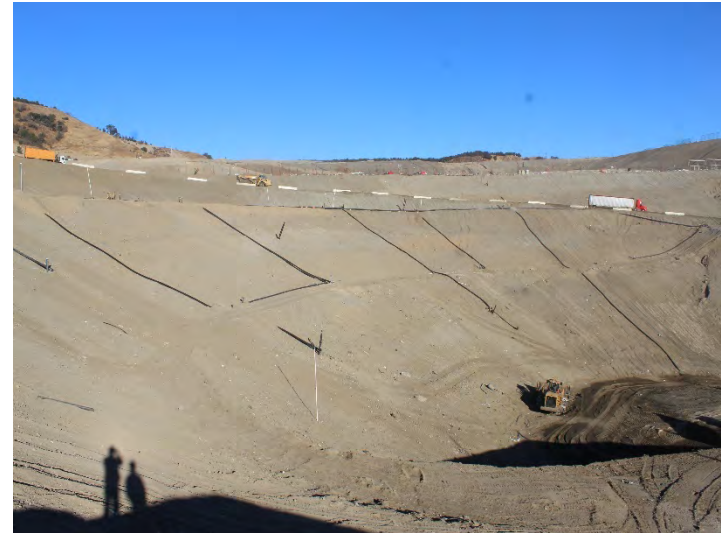


Photo 438: General Site: November 30, 2020



Photo 439: General Site: November 30, 2020



Photo 440: General Site: November 30, 2020



Photo 441: General Site: November 30, 2020



Photo 442: General Site: November 30, 2020

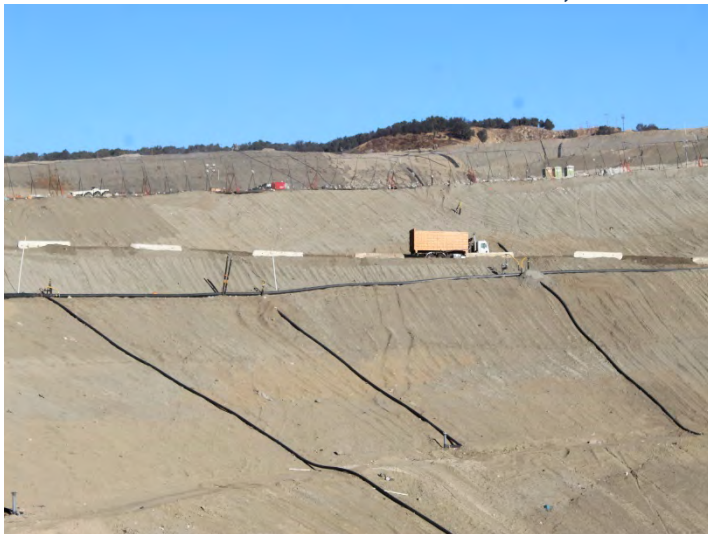


Photo 443: General Site: November 30, 2020



Photo 444: General Site: November 30, 2020



Photo 445: General Site: November 30, 2020



Photo 446: General Site: November 30, 2020



Photo 447: General Site: November 30, 2020



Photo 448: General Site: November 30, 2020



Photo 449: General Site: November 30, 2020



Photo 450: General Site: November 30, 2020



Photo 451: General Site: November 30, 2020



Photo 452: General Site: November 30, 2020



Photo 453: General Site: November 30, 2020



Photo 454: General Site: November 30, 2020



Photo 455: General Site: November 30, 2020



Photo 456: General Site: November 30, 2020



Photo 457: General Site: November 30, 2020



Photo 458: General Site: November 30, 2020



Photo 459: General Site: November 30, 2020



Photo 460: General Site: November 30, 2020



Photo 461: General Site: November 30, 2020



Photo 462: General Site: November 30, 2020



Photo 463: General Site: November 30, 2020



Photo 464: General Site: November 30, 2020



Photo 465: General Site: November 30, 2020



Photo 466: General Site: November 30, 2020



Photo 467: General Site: November 30, 2020



Photo 468: General Site: November 30, 2020



Photo 469: General Site: November 30, 2020



Photo 470: General Site: November 30, 2020



Photo 471: General Site: November 30, 2020

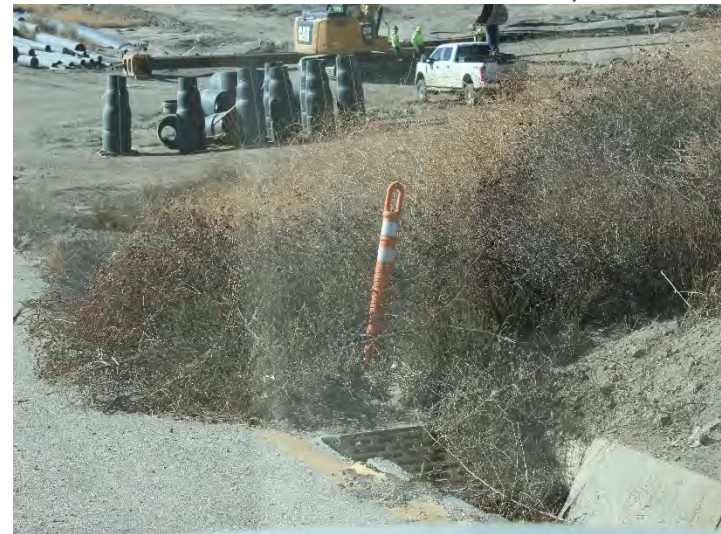


Photo 472: General Site: November 30, 2020



Photo 473: General Site: November 30, 2020



Photo 474: General Site: November 30, 2020



Photo 475: General Site: November 30, 2020



Photo 476: General Site: November 30, 2020



Photo 477: General Site: November 30, 2020



Photo 478: General Site: November 30, 2020



Photo 479: General Site: December 16, 2020



Photo 480: General Site: December 16, 2020



Photo 481: General Site: December 16, 2020



Photo 482: General Site: December 16, 2020



Photo 483: General Site: December 16, 2020



Photo 484: General Site: December 16, 2020



Photo 485: General Site: December 16, 2020



Photo 486: General Site: December 16, 2020



Photo 487: General Site: December 16, 2020



Photo 488: General Site: December 16, 2020



Photo 489: General Site: December 16, 2020



Photo 490: General Site: December 16, 2020



Photo 491: General Site: December 16, 2020



Photo 492: General Site: December 16, 2020



Photo 493: General Site: December 16, 2020



Photo 494: General Site: December 16, 2020



Photo 495: General Site: December 16, 2020



Photo 496: General Site: December 16, 2020



Photo 497: General Site: December 16, 2020



Photo 498: General Site: December 16, 2020



Photo 499: General Site: December 16, 2020



Photo 500: General Site: December 16, 2020



Photo 501: General Site: December 16, 2020



Photo 502: General Site: December 16, 2020



Photo 503: General Site: December 16, 2020



Photo 504: General Site: December 16, 2020



Photo 505: General Site: December 16, 2020



Photo 506: General Site: December 16, 2020



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Photo 508: General Site: December 16, 2020



Photo 509: General Site: December 16, 2020



Photo 510: General Site: December 16, 2020



Photo 511: General Site: December 16, 2020



Photo 512: General Site: December 16, 2020



Photo 513: General Site: December 16, 2020



Photo 514: General Site: December 16, 2020



Photo 515: General Site: December 16, 2020



Photo 516: General Site: December 16, 2020



Photo 517: General Site: December 16, 2020



Photo 518: General Site: December 16, 2020



Photo 519: General Site: December 16, 2020



Photo 520: General Site: December 16, 2020

Sunshine Canyon Landfill

Site Monitoring Procedures for October, November, and December 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 October through December 2020; continue practicing physical distancing; and wearing a protective face mask.

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

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

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

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

Appendix II

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

October 2020

**SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT**

| | |
|--|--------------------------|
| Monitor: Mike Lindsay | Page: 1 of 2 |
| Discipline: Environmental Engineer | Date: 10-20-2020 Tuesday |
| Site Conditions: Fog then Clear, 62–88 °F, 2–12 mph, 44% RH, 79 AQI | |
| SITE LOG | |
| <ol style="list-style-type: none"> 1. No odors are present at the adjacent neighborhood or school at 7:40 am. 2. Checked into office via phone with Joshua Mills (Republic Services). 3. Michelle Tollett (UEI) and Diana Gonzales (LACDRP) followed me in separate vehicles to site locations. 4. Secondary access road is in good order, with perimeter gate closed and locked. 5. Big cone Douglas fir mitigation trees have been reduced in quantity due to fire damage and general die-off. Irrigation pipes have been replaced that were damaged during the 2019 Saddleridge fire. Many of the pipes have been capped off wherever a tree has died or is missing. 6. Flare 9 is operating at 2799 scfm, 1651 °F. Gas sample measured at 39 % Vol. CH₄, 1.5 % Vol. O₂, 71 ppm H₂S and 330 ppm CO. Gas inlet temperature is 146 °F. Blowers 2, 3, 4, 5 and 6 are operating. 7. Flare 10 is operating at 2850 scfm, 1648 °F. 8. Flare 11 is operating at 2866 scfm, 1675 °F. Gas inlet temperature is 148 °F. 9. Sunshine Gas Producers gas volume is at 9028 scfm. 10. About 35 haul trucks are queued coming down the haul road to enter Cell CC-4 Part 3, as viewed from a high vantage point at 9:30 am. 11. Sediment basin D is in good order. 12. The storage yard is in good order, with two vehicles, used tires and a mattress being stored. 13. The westside drainage channel is clear and in good order. 14. The County sage mitigation slopes are in typical dry conditions for October. 15. Street sweepers are cleaning the haul roads. 16. Sediment basin A has piles of soil drying out for removal. 17. Windblown trash and debris are present at back of sediment basin A. 18. City deck A is in good order. 19. Observed overall operations from observation deck. About 38 trucks are queued for Cell CC-4 Part 3 at 11:20 am. 20. Large dump trucks are hauling soil from the County top deck stockpile to Part 3 for cover material. 21. Flare 1 is operating at 2074 scfm, 1640 °F. Gas sample measured at 42 % Vol. CH₄, 1.8 % Vol. O₂, over 100 ppm H₂S and 292 ppm CO. Gas inlet temperature is 115 °F. 22. City deck B is in good order, recovering from the Saddleridge fire. 23. City deck C is in good order, also recovering from the Saddleridge fire. 24. The PM-10 berm mitigation oak trees have several trees that are likely dead. Many others are fire-damaged on their bottom one-third, but growing well above that level. 25. Traffic spotters are onsite to control traffic. 26. Closure turf on the City north slopes is in good order. 27. Admin facilities are done with construction. 28. Two new bird abatement noise cannons have been delivered to the admin facility. 29. The tank farm has no odors present. 30. The scales are in good order, including a grader recontouring the exit ramp roadway. 31. Sediment basin B is clear of sediment and clean. 32. A fleeting, localized landfill gas odor is present just east of sediment basin B at 11:40 am. | |

33. Cell CC-3A is in good order, with stockpiled soil and crushed asphalt.
34. A transfer truck was temporarily stuck on roadway leading into Part 3 due to a sharp right turn on uneven terrain.
35. Cell CC-4 Part 3 working area is in good order, including tippers, traffic controllers, and water trucks and misters for odor and dust control. Packer trucks are segregated at the south end, while transfer trucks are unloading at the north end.
36. Water trucks are applying water to site for dust control.
37. Cell CC-4 Part 4A construction seems complete, including two gabion drainage blocks.
38. Temporary cover material is still covering the Cell CC-3A western slope for odor control, adjacent to Cell CC-4 Part 4A.
39. The eastside drainage channel has been mostly cleared of sediment.
40. Terminal basin has been cleared of sediment.
41. Terminal basin outlet channel is in good order.
42. Various perimeter monitoring wells around the front entrance, graywater treatment facility and sewer connection area are in good order.
43. The seismograph located at the graywater treatment facility is in good order.
44. The sewer connection lift station area is in good order, including the sample-taking shed.
45. Large rocks behind front retaining wall are still resting against chain-link fencing.
46. Tree roots at top of front retaining wall slope are partially exposed due to erosion, while majority of the tree's roots are well-anchored into soil beyond top edge of slope.
47. Front retaining wall concrete drainage channel is mostly filled with soil, rock and debris.
48. Checked out of office via phone with Joshua Mills.

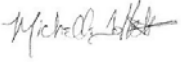
FURTHER REVIEW NEEDED

1. Eliminate gas odor near sediment basin B.
2. Remove wind-blown trash and debris from back of basin A.
3. Clean out rocks and sediment from behind front retaining wall.

Signed:

Michael W. Lindsay

**SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT**

| | |
|---|--------------------------|
| Monitor: Michelle Tollett | Page: 1 of 2 |
| Discipline: Senior Biologist | Date: 10-20-2020 Tuesday |
| Site Conditions: Fog then Clear, 62–88 °F, 2–12 mph, 44% RH, 79 AQI | |
| SITE LOG | |
| <ol style="list-style-type: none">1. Michael Lindsay checked into office via phone with Joshua Mills (Republic Services).2. I followed Michael Lindsay (UEI) with Diana Gonzales (LACDRP) in separate vehicles to site locations.3. Big cone Douglas fir mitigation trees have been reduced in quantity due to fire damage and general die-off. Irrigation pipes have been replaced that were damaged during the 2019 Saddle Ridge fire. Many of the pipes have been capped off wherever a tree has died or is missing.4. We will discuss this with Architererra during the next meeting for a replacement schedule.5. The County sage mitigation slopes are in typical dry conditions for October. However, vegetation is growing on the slopes and is functioning as erosion control. The vegetation appears to be a mix of California buckwheat and weedy species (non-native grasses and short-pod mustard).6. City deck B is recovering from the Saddle Ridge fire. Be aware that erosion may occur this year due to the ash creating a barrier on the soil, which may increase the velocity of the runoff. Erosion control BMPs onsite should be maintained in preparation for rain events. Seeding the site (tamping into the soil) this time of year is recommended, especially for fire following species, which will add to the erosion control efforts. Seeding is relatively cheap and will have long-term benefits.7. City deck C is in good order, also recovering from the Saddle Ridge fire. Be aware that erosion may occur this year due to the ash creating a barrier on the soil, which may increase the velocity of the runoff. Erosion control BMPs onsite should be maintained in preparation for rain events. Seeding the site (tamping into the soil) this time of year is recommended, especially for fire following species, which will add to the erosion control efforts. Seeding is relatively cheap and will have long-term benefits.8. The PM-10 berm mitigation oak trees have several trees that are likely dead. Many others are fire-damaged on their bottom one-third, but growing well above that level. On this particular visit, it appears that one tree in the mid-section along the road is dead and several on the north9. Tree roots at top of front retaining wall slope on San Fernando Road are partially exposed due to erosion, while majority of the tree's roots are well-anchored into soil beyond top edge of slope. Coast live oaks have robust tap roots and are unlikely to fail unless the entire slope fails. It may be prudent to have a geologist review the slope for stability.10. Michael Lindsay checked out of office via phone with Joshua Mills. | |
| FURTHER REVIEW NEEDED | |
| <ol style="list-style-type: none">1. Create plan to replace dead big cone Douglas fir and coast live oaks. The plan should contain a timeline for replacement.2. Consult a geologist concerning slope stability for the coast live oak tree at the retaining wall along San Fernando Road. | |
| Signed:  | |

November 2020

**SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT**

| | |
|--|------------------------------|
| Monitor: Mike Lindsay | Page: 1 of 2 |
| Discipline: Environmental Engineer | Date: 11-30-2020 Monday |
| Site Conditions: Clear, 58–77 °F, 5–15 mph, 22% RH, 29 AQI | |
| SITE LOG | |
| <ol style="list-style-type: none"> 1. No odors are present at the adjacent neighborhood or school at 7:45 am. It is trash pick-up day. 2. Checked into office via phone with Joshua Mills (Republic Services). 3. Edgar De La Torre (LACDRP) followed me in a separate vehicle to site locations. 4. Street sweepers are cleaning the haul roads. 5. Observed south edge of working area from the LEA office site. Mobile litter fencing is effective at catching wind-blown litter from leaving the area. Wind gusts are 14 MPH at 8:00 am. 6. Observed Cell CC-4 Part 4A from maintenance yard area. Straw wattles and hydroseeding have been placed on west-facing slopes above Part 4A. 7. Traffic spotters are onsite to control traffic. 8. Closure turf at the City north slopes is in good order, with no odors present. 9. Admin facilities are in good order. 10. The tank farm has no odors present. 11. The eastside drainage channel has some vegetation growing out of concrete cracks. 12. Scales are in good order, with exit roadway well graded and maintained. 13. Localized dust clouds are present around site due to low humidity and winds. 14. Sediment basin B spillway has some vegetation growing out of concrete cracks. 15. No odors are present just east of sediment basin B. 16. Broken asphalt has been placed along haul roads for wet weather traction. 17. Water trucks are applying water to site for dust control. 18. Cell CC-3A is in good order, with stockpiled soil and crushed asphalt. 19. Cell CC-4 Part 3 working area is in good order, where the ADC is 20% covered with new trash at 9:00 am. Four tippers are active, with packer trucks dumping to the west-end of cell. 20. Sediment basin A is clear of soil. Filter rock at the riser drains have been cleaned. 21. Flare 3 is offline. 22. Workers are installing new gas collection pipe along roadway north of the County top deck. 23. The westside drainage channel is clear and in good order. 24. The County sage mitigation slopes are in typical dry conditions for November; green in some areas and bare soil in others. 25. The storage yard is in good order, with two vehicles, used tires and a mattress being stored. 26. Sediment basin D is in good order. 27. Flare 9 is operating at 2753 scfm, 1655 °F. Gas sample measured at 28 % Vol. CH₄, 1.9 % Vol. O₂, 70 ppm H₂S and 293 ppm CO. Gas inlet temperature is 128 °F. Blowers 1, 2, 3, 5 and 6 are operating. 28. Flare 10 is operating at 2790 scfm, 1687 °F. 29. Flare 11 is operating at 2731 scfm, 1668 °F. Gas inlet temperature is 130 °F. 30. Sunshine Gas Producers gas volume is at 8916 scfm. 31. A new concrete pad has been poured, with a new AC compressor ready for installation. 32. A localized landfill gas odor is present at the output flange of blower five (second blower from the northeast slope). New metal gaskets are present on the flare pad. 33. No odors are present at the blower six output flange. | |

34. The backup generator trailer has been connected to the flare power system, along with a second power generator trailer.
35. The shallow concrete drainage channel at north edge of flare area has been repaired with concrete.
36. The secondary access road is in good order, with perimeter gate closed and locked.
37. Drainage channel and grate at the west base of the Flare 9 entrance roadway has vegetation and debris present.
38. City deck B is in good order.
39. Flare 1 is operating at 2644 scfm, 1635 °F. Gas sample measured at 31 % Vol. CH₄, 1.9 % Vol. O₂, 100 ppm H₂S and 338 ppm CO. Gas inlet temperature is 114 °F.
40. City deck C is in good order, with large areas devoid of vegetation.
41. The PM-10 berm mitigation oak trees are recovering from the summer heat.
42. Water misters are active at the PM-10 berm.
43. Terminal basin is in good order, with some water collected above gabion wall and at riser drains.
44. Oil field perimeter gate is slightly open and unlocked.
45. Sierra Highway is clear of trash and debris.
46. Large rocks behind front retaining wall are still resting against fencing.
47. Checked out of office via phone with Joshua Mills.

FURTHER REVIEW NEEDED

1. Repair gas leak at blower number five output flange near Flare 11.
2. Remove vegetation from eastside drainage channel concrete cracks.
3. Remove vegetation from sediment basin B spillway concrete cracks.
4. Clean out vegetation and debris from drainage channel and grate by Flare 9 roadway.
5. Close and lock perimeter gate at oil field.
6. Clean out rocks and sediment from behind front retaining wall.

Signed:

Michael W. Lindsay

December 2020

**Sunshine Canyon Landfill Meeting Log
October 20, November 30, and December 16, 2020 Site Visits
December 21, 2020 Site Monitoring Conference Call**

Site Visits were performed by:

October 20, 2020: Mike Lindsay and Michelle Tollett (UltraSystems), and Diana Gonzalez (LACDRP)

November 30, 2020: Mike Lindsay (UltraSystems) and Edgar De La Torre (LACDRP)

December 16, 2020: Mike Lindsay (UltraSystems)

All site visits were performed with personnel in separate vehicles to comply with COVID-19 health safety protocols.

Remote site monitoring conference call with Joshua Mills, Dennis Montano, T.J. Singh, Bill Carr and Valerie Moore (Republic).

Participants:

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

Site Visit Observations Discussion:

To follow CDC guidelines for COVID-19 health protocols, UltraSystems sent staff in separate vehicles to perform site visits, photograph site conditions and record site observations of the landfill operations, maintenance, and mitigation areas. 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 period. We asked questions regarding health measures, site operations, weather impacts, landfill gas and liquids control and recovery, construction activities and mitigation measures status. We received comments and updates from Republic staff as follows:

- a) James Aidukas stated that in October, the condition of Big Cone Fir and Coast Live Oak mitigation trees in the northwest area of Sunshine Canyon and the PM-10 Coast Live Oak mitigation trees after the Saddleridge Fire were observed. (Photos 8516-8564 and 8655-8666). The November 4, 2020 3rd Quarter Vegetation Report did not discuss these mitigation trees. He asked when will a report showing the condition of the mitigation trees be issued. Diana Gonzales asked if the report would include a tree replacement schedule.
 - o Josh Mills stated that the condition of the trees will be included in the 4th Quarter Report. There is no replacement schedule at this time. The number and type of trees that will need to be replaced will be addressed in the report.
- b) The progress of the construction of Cell CC-4 Part 4A in October through December is shown in the photos. In December, the cell construction appeared to be near completion (Photos in October 8621-8623, 8632-8634, 8716-8722; November 9018, 9019, 9025, 9026, 9096-9099;

December 9385-9387, 9398-9400). James Aidukas asked if RWQCB approved the cell construction and when will this cell start accepting waste.

- Josh Mills stated that the RWQCB has approved the cell construction and they started placing waste in it on December 16.
- c) James Aidukas stated that it was observed that Cell CC-4 Part 3 was the active cell accepting waste October 20th: 8570; 8606-8611; 8615-8618; 8626-8631. November 30th: 9100-9105; 9116; 9122-9124. December 16th: 9385-9386; 9396-9397; 9463-9474; 9318-9320. No waste disposal operations concerns were noted. He stated that it appeared that a significant amount of stockpiled soil had been removed from the County top deck and asked if it was used for cover; had imported soil been coming in for cover use; when will the final buttress construction start; and when will the final buttress soil be imported?
- Josh Mills stated that soil from the County stockpile was used for daily cover, filling in landfill low spots to avoid any ponding of water, and create ramps over the 36-inch main gas recovery collection line that circles the site. There has been no importation of soil for final buttress construction or daily cover. The final buttress will start construction in April of 2021.
- d) James Aidukas stated that dust coming from the use of the access roads was being controlled in October and December. In November, the transfer trucks were generating dust when using the roads. (Photos 9078, 9095, 9106-9109). He asked if these roads had been improved with road base or soil binder.
- Josh Mills stated that all of the roads have been constructed with recycled asphalt or concrete. There are some areas of the roads that need to be freshened up and new sections that need surfacing with recycled material.
- e) During this period, wind-blown litter was observed in native vegetation and on inactive landfill areas. October 20th: Photos 8604-8605 – back of Basin A; Photos 9404-9047 – canyon south of Basin A; Photo 9390 – CC-4 Part 3 inactive south slope. James Aidukas asked if operations were changed to minimize wind-blown litter and did any litter leave the site?
- Josh Mills stated that it is a tough area to fill in along with extremely high Santa Ana winds blowing in that direction. No litter has left the site and the crew size has been increased to pick up any litter.
- f) James Aidukas stated that by October 20th, all rainwater basins and channels were clean and ready for winter rain events except for Basin A riser rocks being put back (Photos 8601-8602).
- Josh Mills acknowledged the statement.
- g) The Closure Turf-covered slopes were observed. October 20th: Photos 8623-8624; 8636-8637. November 30th: Photos 9193-9195. December 16th: Photos 9366, 9367, 9369, 9888, 9889, and 9401. The Closure Turf-covered slopes look well-maintained. There were no concerns noted. James Aidukas asked if any new Closure Turf was added near the new scale's location.
- Josh Mills stated that no new Closure Turf was installed. The area near the scales was previously installed.

- h) James Aidukas stated that the new office location parking and access roads were observed, and that the area around the offices and the parking area appeared to be surfaced with road base. He asked if any polymer binding had been applied to bind the road base material? (December 16, 2020 Photo 9368).
 - o Josh Mills stated that they used polymer to stabilize the subbase before they placed the road base material.
- i) The Adler Tank liquids handling and treatment system was observed during the visits. (October 20 Photos 8671-8673. December 16 Photo 9368). There were no operational concerns noted and there were no localized odors detected.
 - o Josh Mill acknowledged the statement.
- j) James Aidukas stated that the sage mitigation areas were observed during the site visits. The 3rd Quarter Report from JMA showing the mitigation status of areas Deck A, B, C, and County slopes were also reviewed. He asked if any mitigation measures for these or new areas will be scheduled to occur next year, and will any activity occur on the County sage slopes?
 - o Josh Mills stated that the only thing planned is for routine maintenance and monitoring. With respect to the County sage area, he stated that they are evaluating a project for 2022.
- k) James Aidukas stated that two inoperable pick-up trucks were observed to still be stored in the material storage yard during this period. He asked if there is a schedule for disposing of them.
 - o Josh Mills stated that they are working on the disposal of the vehicles.
- l) James Aidukas stated that the amount of landfill gas recovered from the landfill was: October 19th - 19,619 SCFM with 9028 SCFM being used by the gas-to-energy plant; November 19th - 19834 SCFM with 8916 SCFM being used by the gas-to-energy plant; and December 20th - 20,049 SCFM with 4788 SCFM being used by the gas-to-energy plant. The total amount of landfill gas being recovered has consistently been around 20,000 SCFM with approximately 9000-9500 SCFM being used for renewable energy. He asked what was the status of a new or expansion of the existing gas-to-energy facility and what was the status of Flare 12?
 - o Josh Mills stated that the Sunshine Gas Producers are evaluating the installation of a pipeline-quality gas treatment facility. They will not expand the existing turbine gas-to-electric energy facility. Concerning the installation of Flare 12, Republic is working through the CEQA approval process with SCAQMD.
- m) James Aidukas stated that the retaining wall on San Fernando Road was observed (October Photo 8764). He stated that it appears that DWP has replaced all of the poles to the Sunshine Canyon entrance. He asked if the poles south of Sunshine in the oil field were replaced with steel poles; had Edison replaced their wood poles with steel; had DWP recommended that Republic upgrade their poles?
 - o Joshua Mills stated that DWP replaced them with steel up to the oil field meter. Edison has replaced wood poles with new wood poles equipped with special wire hangers. DWP has not recommended any action be taken by Republic. Republic's power is low voltage and not 4160V like their supply lines.
- n) James Aidukas stated that in October, boulders were observed pushing on the fence on top of the wall. These boulders fell from the hillside above. (Photo 8758). He asked if the hillside

stability had been evaluated by Republic's geotechnical consultant and if these boulders will be removed to take the stress off of the fence and to allow the drainage channel to be cleaned and function?

- Josh Mills stated that their geotechnical consultants evaluate all slopes, including this one, for stability on a quarterly basis. They do not have any concern with this stability of the slope. As far as moving equipment in to remove the boulders, this is a DWP and Verizon easement area that has restrictions on the activity allowed in their right-of-way. It will take more than having people clearing the drainage channel with shovels.
- o) Edgar De La Torres stated that there had been high wind events recently and asked if Sunshine had been required to stop operations.
 - Josh Mills stated that a week before Thanksgiving, they had to stop for a while due to a power outage. There has been no stoppage due to high winds.
- p) Gabriel Esparza asked if the whole site lost power during the power outage before Thanksgiving.
 - Josh Mills stated that they were told that they were going to have an outage and that Republic had a generator delivered to run the gas recovery and flare systems. The office systems and scales were able to be done manually without power for the short time that power was curtailed.

Mike Lindsay then led the conference call and asked the following questions regarding site operations:

- a. Were there any notices of violation (NOVs) issued in October, November, and/or December?
- b. Were there any operation complaints in October, November, and /or December?
- c. Are the gas levels at the perimeter gas probes P-205 and P-243 being controlled?
 - Josh Mills stated that there were four (4) NOVs in October, none in November, and one (1) in December from SCAQMD for trash odors. Most of the complaints came in between 7:00 to 9:00 a.m. when the operating face was opened up and tippers were operating. Two of them were on Mondays and the December occurrence was on Saturday. High heat and winds exacerbated the disposal impacts. To alleviate potential odor impacts, the site management implemented corrective actions. When the face is opened and tippers are initially operating, Republic's operations personnel would be stationed in the neighborhood to monitor any slight odors. Tipper and compaction operations would be temporarily halted until conditions allowed them to resume. This procedure was successful. The perimeter gas probes P-205 and P-243 results for December show them to be well below the required compliance levels.
 - James Aidukas stated that in November he was at the site and performed a landfill gas odor survey of the neighborhood areas around the landfill. There were no landfill gas odors detected. However, DCOR was flaring gas in the oil field using a short stack flare. Any potential gas odors in the neighborhood could be from their flaring. DCOR operating this type of flare in windy conditions could also be a fire hazard. He asked if SCAQMD is aware of this flare?
 - Josh Mills stated that SCAQMD was made aware of the flare by Republic.

Site Visit Observations by Mike Lindsay

1. On October 20, there were 38 trucks queueing at 11:00 a.m.
 - a. Josh Mills stated that this could have been from the temporary halting of operations to abate odors.
2. The scales were in good operating order with the exit dirt road being maintained and free of potholes.
 - a. Josh Mills acknowledged this statement.
3. Mike Lindsay asked if the seismograph is being maintained and reports issued on a regular basis.
 - a. Josh Mills stated that they get yearly reports on the operations and data reports after earthquake events.
4. Mike Lindsay asked if the new shed at the sewer connection site was for hydrogen peroxide treatment?
 - a. Josh Mills stated that it was for a hydrogen peroxide polishing step to adjust the quality of sewer liquids for compliance.
5. Mike Lindsay stated that the site was in good operating condition and Republic is doing an excellent job.
 - o Josh Mills acknowledged the statement.

The site monitoring conference call was then adjourned.

Sunshine Canyon Landfill October 20, November 30, and December 16, 2020 Site Visits
Conference Call Discussion Items

Site Visit Participants

Mike Lindsay, UltraSystems – Separate Vehicle

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

Discussion Topics After Reviewing Site Visit Photos

1. In October, Photos 8516-8564 show the condition of Big Cone Fir and Coast Live Oak mitigation trees in the northwest area of Sunshine Canyon. Photos 8655-8666 show the condition of the PM-10 Coast Live Oak mitigation trees after the Saddleridge Fire. The November 4, 2020 3rd Quarter Vegetation Report did not discuss these mitigation trees.
 - a.) When will a report showing the condition and a tree replacement schedule be prepared?
2. The following photos show the progress of construction of Cell CC-4 Part 4A. October 20th: 8621-8623; 8632-8634; 8716-8722. November 30th: 9018-9019; 9025-9026; 9096-9099. December 16th: 9385-9387; 9398-9400. The construction of the cell appears to be complete.
 - a.) Has the RWQCB approved the cell construction?
 - b.) When will this cell begin accepting waste?
3. The following photos show the active waste cell CC-4 Part 3. October 20th: 8570; 8606-8611; 8615-8618; 8626-8631. November 30th: 9100-9105; 9116; 9122-9124. December 16th: 9385-9386; 9396-9397; 9463-9474; 9318-9320. No waste disposal operations concerns were noted.
 - a.) It appears that a significant amount of stockpiled soil has been removed from the County top deck. Was it used for cover?
 - b.) Has imported soil been coming in for cover use?
 - c.) When will the final buttress construction start?
 - d.) When will the final buttress soil be imported?
4. (Photos 9078, 9095, 9106-9109) During this 3-month period, localized dust was generated from truck traffic on dirt access roads only in November.
 - a.) Were these access roads improved to control dust generation?
5. During this period, wind-blown litter was observed in native vegetation and on inactive landfill areas. October 20th: Photos 8604-8605 – back of Basin A; Photos 9404-9047 – canyon south of Basin A; Photo 9390 – CC-4 Part 3 inactive south slope.
 - a.) Were operations changed to minimize wind-blown litter?
 - b.) Did any litter leave the site?
6. By October 20th, all rainwater basins and channels were clean and ready for winter rain events (except for Basin A riser rocks being put back, Photos 8601-8602.)
 - a.) There were no operational concerns noted.

7. The Closure Turf covered slopes were observed. October 20th: Photos 8623-8624; 8636-8637. November 30th: Photos 9193-9195. December 16th: Photos 9366, 9367, 9369, 9888, 9889, and 9401.
 - a.) The Closure Turf covered slopes look well-maintained. There were no concerns noted.
8. (December 16, 2020 Photo 9368) The new office location parking and access roads were observed.
 - a.) The area around the offices and the parking area appeared to be surfaced with road base. Was any polymer binding applied to bind the road base material?
9. The Adler Tank liquids handling and treatment system was observed. October 20th: Photos 8671-8673. December 16th: Photo 9368.
 - a.) There were no operation concerns noted.
10. The sage mitigation areas were observed. Republic's 3rd Quarter Report from JMA address the mitigation status of areas City Deck A, B, C, and County slopes.
 - a.) Will any mitigation measures for new areas be scheduled to occur next year?
 - b.) Will any activity occur on the County sage slopes?
11. Two inoperable pick-up trucks were observed to still be stored in the material storage yard.
 - a.) Is these a schedule for disposing of them?
12. The amount of landfill gas recovered from the landfill October 19th was: 19,619 SCFM with 9028 SCFM being used by the gas-to-energy plant. November 19th: 19834 SCFM with 8916 SCFM being used by the gas-to-energy plant. December 20th: 20,049 SCFM with 4788 SCFM being used by the gas-to-energy plant.
 - a.) What is the status of a new or expansion of the existing gas-to-energy facility?
 - b.) What is the status of Flare 12?

Site Operations

1. Were there any notices of violation (NOVs) issued in October, November, and/or December?
2. Were there any operational complaints in October, November, and/or December?
3. Are the gas levels at the perimeter gas probes P-205 and P-243 being controlled?

Site Visit Conditions Observed by Mike Lindsay

1. To be presented during conference call.



IMG_8516



IMG_8517



IMG_8518



IMG_8519



IMG_8520



IMG_8521



IMG_8522



IMG_8523



IMG_8524



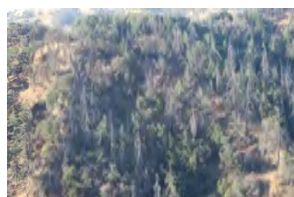
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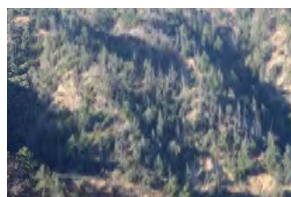
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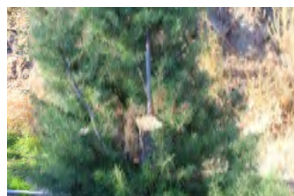
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IMG_8530



IMG_8531



IMG_8532



IMG_8533



IMG_8534



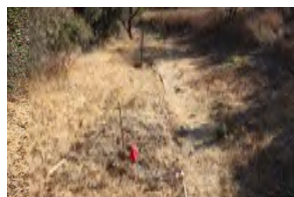
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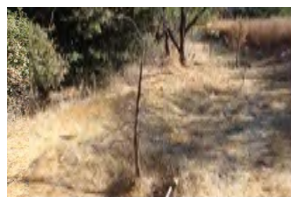
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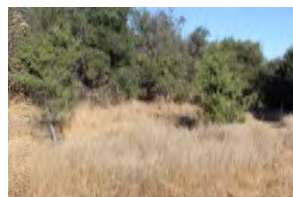
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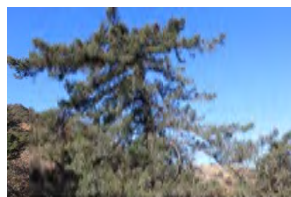
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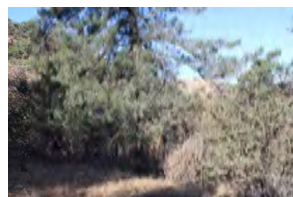
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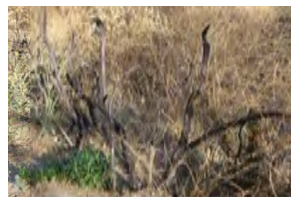
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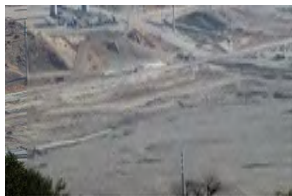
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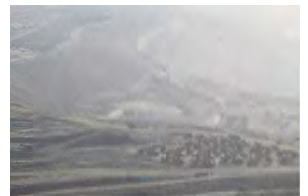
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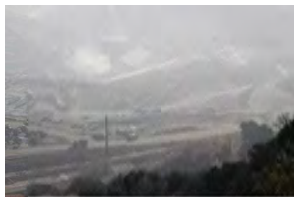
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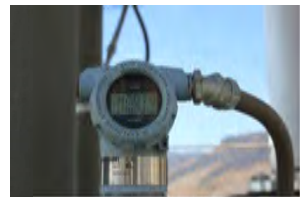
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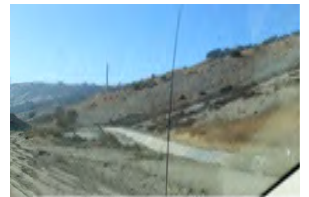
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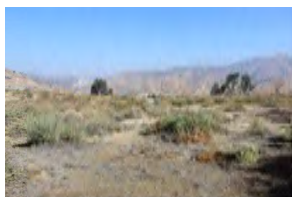
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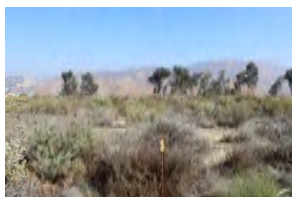
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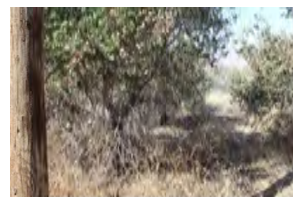
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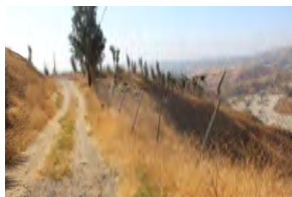
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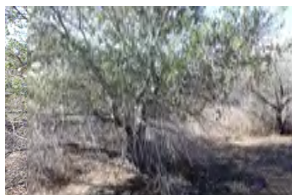
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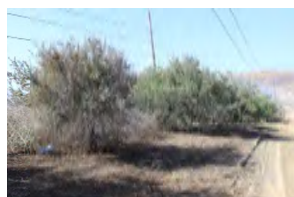
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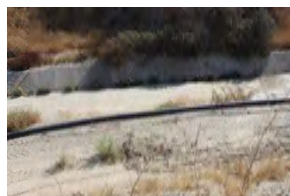
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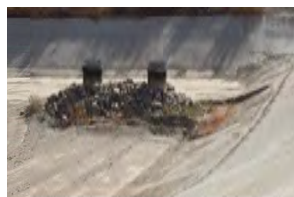
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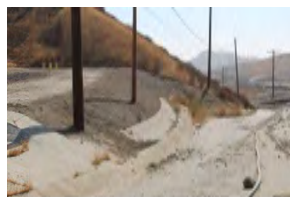
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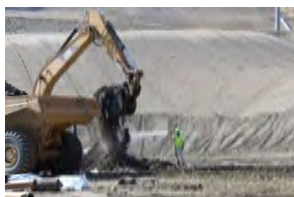
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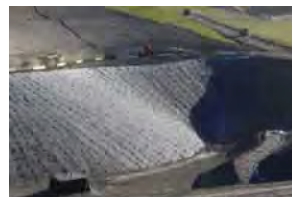
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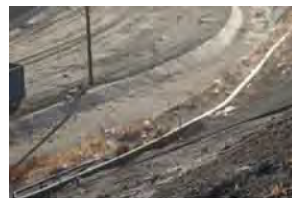
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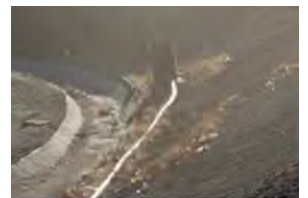
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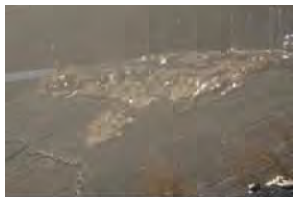
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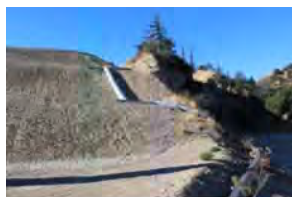
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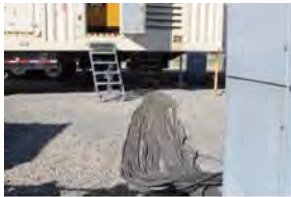
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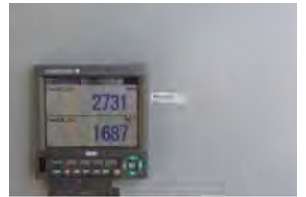
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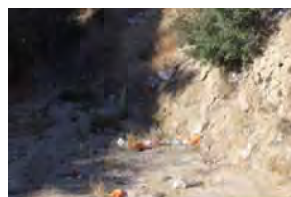
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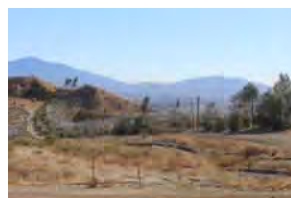
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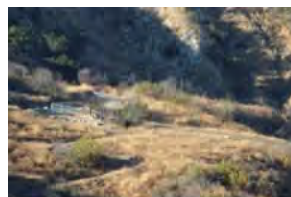
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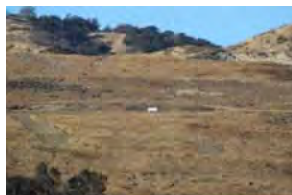
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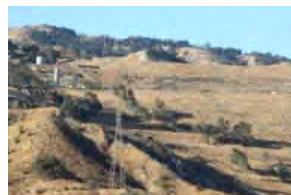
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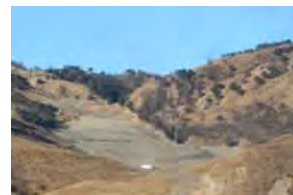
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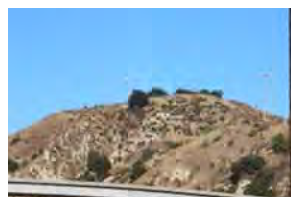
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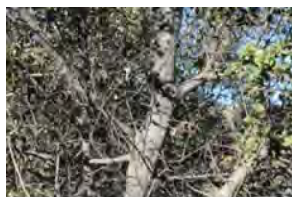
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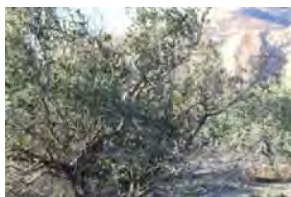
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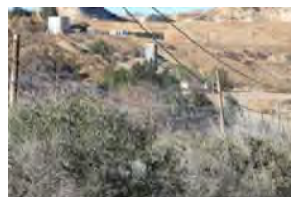
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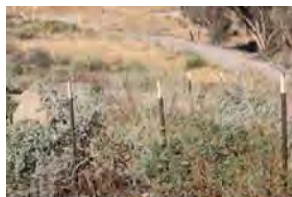
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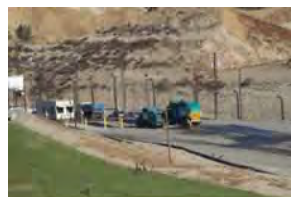
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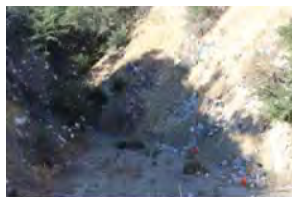
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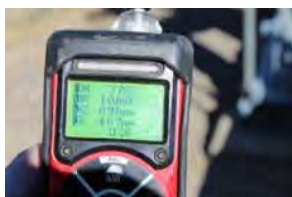
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IMG_9475

**SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT**

| | |
|---|---------------------------------|
| Monitor: Mike Lindsay | Page: 1 of 2 |
| Discipline: Environmental Engineer | Date: 12-16-2020 Wednesday |
| Site Conditions: Clear, 41–66 °F, 6–25 mph, 50% RH, 41 AQI | |
| SITE LOG | |
| <ol style="list-style-type: none"> 1. No odors are present at the adjacent neighborhood or school at 7:40 am. 2. No odors are present at the Rancho Cascades neighborhood at 7:50 am. 3. Checked into office via phone with Chris Coyle (Republic Services). 4. Sierra Highway is clear of roadside debris and trash. 5. Terminal basin is in good order, with some water collected above gabion wall and at riser drains. 6. Oil field perimeter gate is slightly open and unlocked. 7. Oil field flare and all pumping jacks are not operating. 8. No odors are present at the oil field below the PM-10 berm at 9:20 am. 9. The secondary access road south of City deck C has its gate open. Roadway is in good order; well-graded with no ruts. 10. Water misters are active along the PM-10 berm. 11. The PM-10 berm mitigation oak trees are in a dry state, with some green growth at upper branches. 12. City deck C is in a dry state, with large areas of bare soil. 13. Flare 1 is operating at 2627 scfm, 1645 °F. Gas sample measured at 31 % Vol. CH₄, 1.7 % Vol. O₂, 100 ppm H₂S and 340 ppm CO. Gas inlet temperature is 102 °F. 14. City deck B is in good order. 15. City deck A has some wind-blown trash across site due to high wind events. 16. Observed overall landfill operations from observation deck, including maintenance yard, Cell CC-4 Part 3 and Part 4A, City north slopes and top deck. 17. Winds gusts measured 25.1 mph at 10:15 am, coming from the northwest. 18. Street sweepers are cleaning the haul roads. 19. Closure turf at the City north slopes is in good order, with no odors present. 20. Wind-blown trash has collected in natural drainage south of sediment basin A. 21. The westside drainage channel is clear and in good order. 22. Workers are picking up wind-blown trash along west slopes. 23. Flare 3 is operating at 2091 scfm, 1646 °F. Gas sample measured at 37 % Vol. CH₄, 2.6 % Vol. O₂, 89 ppm H₂S and 357 ppm CO. Gas inlet temperature is 110 °F. 24. Sediment basin A is in good order, with wind-blown trash collected at back of basin. 25. The County sage mitigation slopes are in a dry state, with some areas of bare soil. 26. Excavators are filling dump trucks with stockpiled soil from County top deck, then hauling it to cell CC-4 Part 3 for use as daily cover. 27. The storage yard is in good order, with two vehicles, used tires and a mattress being stored. 28. Sediment basin D is in good order. 29. Traffic spotters are onsite to control traffic. 30. Flare 9 is operating at 3438 scfm, 1668 °F. Gas sample measured at 41 % Vol. CH₄, 1.1 % Vol. O₂, 76 ppm H₂S and 376 ppm CO. Gas inlet temperature is 122 °F. Blowers 1, 2, 3, 5 and 6 are operating. 31. Flare 10 is operating at 3626 scfm, 1654 °F. 32. Flare 11 is operating at 3479 scfm, 1696 °F. Gas inlet temperature is 125 °F. 33. Sunshine Gas Producers gas volume is at 4788 scfm. | |

34. A localized landfill gas odor is present at the output flange of blower five (second blower from the northeast slope).
35. The secondary access road is in good order, with perimeter gate closed and locked.
36. Cell CC-3A is in good order, with stockpiled soil and crushed asphalt.
37. Cell CC-4 Part 4A has not yet been used to receive trash.
38. Cell CC-4 Part 3 working area is in good order, where the ADC is 70% covered with new trash at 12:00 pm. Four tippers are active, with moving-floor trucks dumping to the east-side of cell.
39. Haul trucks are now entering and exiting Cell CC-4 Part 3 from the west side of cell.
40. Movable litter fencing is holding back most of the wind-blown litter.
41. Localized dust clouds are present around site due to low humidity and high winds.
42. Water trucks are applying water to site for dust control.
43. Checked out of office via phone with Chris Coyle.

FURTHER REVIEW NEEDED

1. Close and lock perimeter gate at oil field.
2. Remove wind-blown trash at City deck A.
3. Remove wind-blown trash at natural drainage south of sediment basin A.
4. Remove wind-blown trash at back of sediment basin A.
5. Repair gas leak at blower number five output flange near Flare 11.

Signed: 