

**Sunshine Canyon Landfill  
Independent Monitor  
Quarterly Site Monitoring Status Report  
January 1, 2022 – March 31, 2022**

*Prepared For:*

**City of Los Angeles Department of City Planning**

*And*

**County of Los Angeles Department of Regional Planning**



*Prepared By:*



16431 Scientific Way  
Irvine, California 92618

*Prepared On:*

August 1, 2022





**UltraSystems**  
environmental | management | planning

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### **CERTIFICATION STATEMENT**

August 1, 2022

The attached Quarterly Site Monitoring Status Report for the Sunshine Canyon Landfill dated August 1, 2022 is the First Quarterly Report for 2022, issued by UltraSystems. This report covers the monitoring period from January 1, 2022 through March 31, 2022 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

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Sunshine Canyon Landfill City Mitigation Monitoring Summary  
(see spreadsheet)

Sunshine Canyon Landfill County Mitigation Monitoring Summary  
(see spreadsheet)

## Appendices

Appendix I	Further Review Needed Comments: Reference I-a through I-c
Appendix II	Photo Location Map and Relevant Site Photos
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Appendix IV	Quarterly Site Visits
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## Quarterly Status Report

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

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

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

This Quarterly Report provides the City of Los Angeles Department of Planning and the County of Los Angeles Department of Regional Planning with a concise status of the Mitigation Measure Monitoring for the period of January 1, 2022 to March 31, 2022. It includes:

1. The City and County Mitigation Monitoring Summary spreadsheets for January 1, 2022 to March 31, 2022. These spreadsheets record the areas of monitoring completed and the status of being compliant during the first quarter of 2022;
2. A Status Summary of Non-Compliant, Further Review Needed and Compliant with the requirements of the conditions and/or mitigation measures;
3. Photo Location Map and Relevant Site Photos showing site conditions of key areas of the landfill during this quarter;
4. Site visit attendees by date of site visit and the mitigation monitoring site report from each monitor;
5. Site visits during the 1st Quarter followed the Centers for Disease Control and Prevention (CDC) guidelines for COVID-19 health protocols and complied with state and County restrictions. The landfill visits occurred on one day each month during the January to March 2022 period. All UltraSystems monitors were in separate vehicles to

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

## Site Visits During the Quarter

Three site visits were performed by UltraSystems during the January to March 2022 quarter in order to observe operational site activities and determine compliant status with conditions and/or mitigation measures. They were performed on January 11, 2022; February 16, 2022; and March 7, 2022. Remote site monitoring conference calls were held in lieu of normal site monitoring visit meetings in order to follow the CDC guidelines for COVID-19 health protocols.

## Definition of Terms

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

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

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

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

## Status Summary

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

### Compliant

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

## Non-Compliant

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

## Further Review Needed

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

### Q-B.2.c (City)

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

### Geology-1.07 (County)

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

### Geology-1.11 (County)

*Grading allows for ancillary facilities outside of the landfill footprint.*

### Biota-4.29 (County)

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

### Biota-4.30 (County)

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

### Biota-4.33 (County)

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

### Biota-4.34 (County)

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

**Current Status/Comment** – There was no grading outside of the approved landfill development limits during the 1st Quarter. The grading that occurred was for construction of the final main access road and drainage channel around the road. The road realignment was not within the Sunshine Canyon waste fill limits but is in the CUP-approved areas for ancillary uses. The road realignment also included a new sedimentation basin and the removal of a portion of the existing terminal basin and the westside inlet channels to the basin. This was in preparation for the construction of a final toe berm. In the 1st Quarter, the new basin and drainage V-ditches and downcomers were constructed. The new road construction and final toe berm will need a substantial amount of soil importation. The completion of these improvements is scheduled for 2023. The engineering, design and construction plans are being reviewed, approved, and permits issued by only City of Los Angeles departments. County and state agencies have not been issued plans for approval. The monitor has not been given approved engineering design and plans to verify compliance with CUP conditions. Cell CC-4 Part 3 and CC-4 Part 4A were the only areas accepting waste during the 1st Quarter. ADC was being used at the active disposal areas. The availability of soil for ADC cover was an operations problem with adequate soil sometimes not being delivered when needed for Saturday cover.

#### **Q-C.3.h (City)**

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

**Current Status/Comments** – In the 1st Quarter, localized dust clouds occurred on roads to and on the County top deck when waste hauling transfer trucks used the dirt roads going across the County bowl and at the active waste disposal areas and when soil importation trucks were delivering soil. The dust was not observed leaving the site. As the more permanent access roads to CC-3 and CC-4 areas are constructed, they should be surfaced with recycled aggregate or soil stabilizer.

#### **Q-C.5 (City)**

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

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

#### **Q-C.10.c (City)**

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

#### **Odor/Landfill Gas - 7.07 (County)**

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

#### **Gas - 52 (County)**

*To the extent technically and economically feasible, the Permittee shall use Landfill gas for energy generation at the Facility or other beneficial uses, rather than flaring, and shall obtain all applicable local, state, and/or federal approvals for any such use. Notwithstanding the foregoing, the Permittee shall be exempt from this Condition No. 52 if, as a 'part of its annual report required by Part X of the IMP, the*

*Permittee determines that any such activity or project is infeasible, which determination shall be subject to the review and approval of the Director of Public Works.*

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

**Current Status/Comments** – In mid-January, the gas-to-energy plant was using 9997 SCFM of recovered landfill gas, 39% CH<sub>4</sub>, 1.8% O<sub>2</sub>, 70 ppm H<sub>2</sub>S. Flare 1: 1939 SCFM; Flare 3: not operating; Flare 9: not operating; Flare 10: 2623 SCFM; Flare 11: 2609 SCFM. The total volume of landfill gas being recovered was 17,168 SCFM.

In mid-February, the gas-to-energy plant was using 10,066 SCFM of recovered landfill gas, 39% CH<sub>4</sub>, 1.5% O<sub>2</sub>, 68 ppm H<sub>2</sub>S. Flare 1: 1937 SCFM, 34% CH<sub>4</sub>, 1.9% O<sub>2</sub>, 100 ppm H<sub>2</sub>S; Flare 3: not operating; Flare 9: 3052 SCFM; Flare 10: 3089 SCFM; Flare 11: not operating. The total volume of landfill gas being recovered was 18,144 SCFM.

In early March, the gas-to-energy plant was using 10,007 SCFM of recovered landfill gas, 39% CH<sub>4</sub>, 1.8% O<sub>2</sub>, 63 ppm H<sub>2</sub>S. Flare 1: 1927 SCFM; Flare 3: not operating; Flare 9: 3025 SCFM; Flare 10: 3111 SCFM; Flare 11: not operating. The total volume of landfill gas being recovered was 18,070 SCFM.

The monthly average quantity of landfill gas being recovered in the 1st Quarter was 17,794 SCFM, with the gas-to-energy plant monthly average usage 10,024 SCFM. Republic has stated that they are pursuing options for using the excess recovered gas that is now being flared.

#### **T-4 (City)**

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

*a. immediate access fire plan [now]*

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

#### **Fire Service - 12.03 (County)**

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

**Current Status/Comments** – An updated fire plan showing the new locations of all facilities and normal and emergency ingress and egress should be prepared and sent to the local City fire department station and City and County planning now that the office facilities have been moved to the new location and the realignment of the main access road and toe berm are under construction. Emergency egress should be posted for employees and customers.



**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 or above the approved landfill development limits during the 1st Quarter. Grading for the road realignment was done in the small valley south of the current main access road. The use was approved in the original CUP for ancillary uses. The construction plans and supporting geotechnical reports were reviewed and approved by City Planning and the City Building Department. The City also approved brush and tree clearance and hillside grading. The technical reports and detailed plans were not available for review. Compliance with County Geology - 1.07 was not able to be verified by the monitor. The rainwater control system for the new access road and sedimentation basin had uncontrolled rainwater impact on the Gas Company's facility and San Fernando Road.

**M-4.1.4(11) (City)**

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

**Geology-1.16 (County)**

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

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

**M-4.1.1(6) (City)**

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

**M-4.2.11(23) (City)**

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

**M-4.2.12 (28) (City)**

*Site Erosion*

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

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

**Geology-1.13 (County)**

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

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

**Geology-1.14 (County)**

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

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

**Biota – 4.42 (County)**

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

**Air Quality - 6.02 (County)**

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

**Visual-10.08 (County)**

*Cover/Revegetation Requirements*

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

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

*Revegetation Requirements*

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

*(1) would better protect public health and safety;*

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

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

**Biota - Revegetation - 44.A (County)**

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

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

*F. The Permittee shall employ an expert or experts, including an independent, qualified biologist, to satisfy this Condition No. 44. Soil sampling and laboratory analysis shall be conducted in all areas that*

*are required to be re-vegetated before any re-vegetation occurs to identify chemical or physical soil properties that may adversely affect plant growth or establishment. Soil amendments and fertilizer recommendations shall be applied and plant materials selected, based on the above-referenced testing procedures and results. To the extent possible, plant types shall blend with species indigenous to the area, be drought tolerant, and be capable of rapid growth. The selected plants shall not include non-indigenous species that are likely to be invasive of adjacent natural areas.*

**Current Status/Comments** – During the 1st Quarter, Closure Turf was being maintained, and gas and liquids recovery systems under the turf were performing well. This cover material was in lieu of vegetation on the south-facing slopes, and controlled and eliminated dust and erosion. The areas where the County top deck stockpile soil was removed which had isolated, deep depressions had significant ponding from rain events during the entire 1st Quarter.

#### **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 but inside the ridgeline of Sunshine Canyon.

#### **M-4.1.6 / 18 (City)**

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

**Current Status/Comments** – The landfill perimeter boundary survey PVC marker pipes have been removed in areas where Edison pole grading took place, near the Flare 11 site pad grading and near the CC-4 Part 3 buttress. All PVC boundary markers need to be verified and replaced if missing.

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

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

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

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

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

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

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

#### **Odor/Landfill Gas - 7.06 (County)**

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

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

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

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

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

- *Discuss the impacts of the most recent heavy rains on the landfill gas collection system, including identifying locations of damage due to soil erosion, as well as any corrective actions or mitigation measures.*
- *A work plan that includes preventive measures, such as identifying and filling any surface cracks and installing additional extraction wells, as well as contingency measures.*
- *An implementation schedule for the above work plan.*

#### **Amendment 45.N - 5 (County)**

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

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

On our random days of site visits during the 1st Quarter, no landfill odors were detected in the adjacent neighborhoods

The use of Closure Turf to seal inactive filled areas and function as intermediate cover also provided enhanced gas and liquids recovery and gas-related odor control. There were no gas or liquids odors detected coming from the Closure Turf areas.

#### **M-4.3.1(37) (City)**

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

#### **Surface Water - 2.03 (County)**

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

#### **M-4.3.1(38) (City)**

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

#### **Surface Water - 2.12 (County)**

*Permanent bench drainage ditches shall be installed when final cover is placed on completed portions of the landfill. These ditches shall be lined. Temporary unlined drainage facilities consisting of diversion ditches (V-ditches) where necessary shall directly intercept natural surface runoff. Any intermittent*

*channel flow in the existing canyon bottom shall be captured, channeled, and conveyed into a sedimentation basin. Diversion ditches shall convey surface runoff from the undisturbed areas to the permanent perimeter ditches for safe transport around the landfill footprint. Surface covers of various types, from mulches to vegetation, shall be used to retard erosion from areas of disturbance. In addition, areas of disturbance shall be kept at a minimum during active filling operations.*

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

Surface drainage systems were in place to intercept or divert rainwater away from prior landfill cells and current filling operations. Most of these were temporary systems in active areas, and most conveyance V-ditches were unlined. The construction of the final toe berm and main access road realignment project had started. This is a two-year project and includes a new basin, modification of the terminal basin, and the construction of new drainage channels, and possibly a new upstream basin from the terminal basin. The road realignment will entail the construction of a new main access road, a 350,000 cubic-foot sedimentation basin, and drainage improvements in the ravine south of the current entrance. The design plans and design details and calculations were submitted to the City for permit approval. The engineering reports were not available for review by the monitor nor submitted to the LADPW for approval. Compliance with Surface Water - 2.03 could not be verified.

The site's sedimentation basins and channel systems should have an engineering review to calculate the current and future design capacities needed to meet City, County and state requirements. This was not able to be verified by the monitor.

#### **M-4.3.1(39) (City)**

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

#### **M-4.18 / 178 (City)**

*The maximum permitted elevations for the landfill shall not be allowed to be exceeded at any time during landfill development and shall be verified through survey control points.*

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

#### **M-4.3.1(40) (City)**

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

#### **M-4.3.1(45) (City)**

*An erosion control plan would be implemented by the project proponent to prevent stormwater pollution from construction activity. Construction materials, equipment and vehicles would be stored or*



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

#### **Surface Water 2.14 (County)**

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

**Current Status/Comments** – In the 1st Quarter, surface drainage systems were in place to intercept or divert rainwater away from prior landfill cells and current filling operations. Most of these were temporary systems in active areas, and most conveyance V-ditches were unlined. Erosion control plans are developed and implemented. The erosion control plans should be available for agency and monitor's review. The County top deck was a concern due to areas of the deck having isolated depressions from removing stockpiled soil.

#### **M-4.3.1(41) (City)**

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

#### **M-4.3.1(43) (City)**

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

#### **Surface Water 2.10 (County)**

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

**Current Status/Comments** – All of the basins were cleared of sediment before the winter rain events in the 1st Quarter. The channels were free of sediment on all but the eastside drainage system. Those channels had growing vegetation, windblown brush, and some spots had an accumulation of sediment and windblown litter blocking water flow.

#### **M-4.3.1(46) (City)**

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

*monitoring results and the corrective actions taken will be disseminated in each newsletter with a more detailed report on the website and in the annual report.*

### **Surface Water 2.15 (County)**

#### *Surface Water Preventive Maintenance Program*

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

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

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

In the 1st Quarter, it was observed that vegetation was growing out of numerous cracks in the water retention basins and drainage conveyance channels' concrete. There were areas of the channels and basins that needed the growing vegetation to be removed, and repair of the concrete and sealing of cracks. These clean-up and maintenance tasks are put on the monthly preventative maintenance program work list. There were three areas of the eastside channel that were blocked with mud and rock, debris and brush. One was fully blocked and the other two with minimal flow capacity.

### **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 or the sewer connection during the 1st Quarter. Tank farm liquids were being treated with 30% hydrogen peroxide at the tank farm and at the sewer connection.

**M-4.4.1(60) (City)***Venturan Coastal Sage Scrub*

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

**Biota - 4.27 (County)**

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

**Current Status/Comments** – During the 1st Quarter, City sage mitigation areas decks B and C were being maintained by the removal of non-native vegetation. Native vegetation was doing well. Bare spots are being filled-in from planted native plants. The condition of the PM-10 oak trees was being evaluated by Republic's consulting biologists. The yearly mitigation tree status report was being prepared. During the 1st Quarter site visits, there was a substantial amount of dead PM-10 trees observed by the monitor. A schedule for replacement is waiting for the biologist's report to be issued. There was no activity on the County sage mitigation areas. Native plants were doing well, repopulating in the areas where they naturally came back. No mitigation revegetation activity was done for this area in the 1st Quarter.

**M-4.4.3/72 (City)**

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

**Biota - 4.10 (County)**

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

**Current Status/Comments** – An updated mitigation tree report evaluating the impacts of the Saddleridge Fire and other impacts was being prepared. The number and type of trees that will need to be replaced will be addressed in the report. Site monitors observed numerous dead mature PM-10 oak trees. Also, there were dead Big Cone fir trees that were observed. A mitigation tree replacement plan, scope and schedule has not been developed. A tree status report was scheduled to be issued in the first quarter of 2022.

**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 status on providing offsite wetland and riparian mitigation has not changed in the 1st Quarter. The City was proceeding with writing and adopting an ordinance to allow the wetlands and riparian mitigation to be created in the Chatsworth Reservoir. All environmental analysis has been completed. Republic stated that there has been no progress in finalizing and adopting the ordinance. Since the COVID-19 pandemic, progress has been suspended. The delay in the issuance of the City ordinance is delaying any progress in creating the required wetlands and riparian mitigation. 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 were not obtained since then. The Chatsworth Dam mitigation site needs to be evaluated as still being a potential mitigation site.

#### **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** – In January, there was illegal dumping of a mattress, tires and debris on the shoulder of Sierra Highway near the I-14 overpass, which had occurred in December 2021. There was no litter or illegal dumping observed in the adjacent neighborhood in the 1st Quarter.

#### **M-4.9.4(125) (City)**

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

**Current Status/Comments** – During the 1st Quarter of 2022, the north perimeter gate was observed to be 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 1st Quarter, the only grading in native undisturbed areas that required biological, archeological and paleontological monitoring was in the front entrance and the southeast ravine, where brush and tree clearance and rough grading was done for the development of the main access road realignment.

**Alternative Fuel Vehicles 77.A-H (County)**

*As part of its annual report to the TAC required by the IMP, the Permittee shall submit an ongoing evaluation of its compliance with each component of this Condition No. 77. The Permittee may appeal the requirements of this Condition No. 77 to the Director of the Department in accordance with the procedure described in Condition No. 11 for the appeal of a notice of Violation, but only on the bases of whether a particular alternative fuel is technologically or economically feasible.*

**Current Status/Comments** – An annual report showing the compliance with each component of Condition 77 should be prepared and submitted to the TAC.

## Republic's Site Procedures for COVID-19

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

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

In the 1st Quarter of 2022, 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 COVID-19 pandemic. Due to COVID-19 restrictions, a current review of these documents has been postponed. When the restrictions on having group meetings are lifted, documents concerning the following topics will be reviewed. The monitors verified the following to be available to the monitors and agencies' staff.

a) Current Fill Sequence Plan.

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

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

These plans are electronically available onsite.

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

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

d) The current erosion control plans.

Current erosion control plans were available electronically.

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

Site drainage plans were available electronically.

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

The plan was available electronically.

- g) Comprehensive geotechnical reports.

The reports were available electronically.

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

Printed copies were available.



## Part II – Logs and Records

Previously requested logs, records, safety and procedural documents to be made available onsite were reviewed in printed and electronic formats in the 1st Quarter of 2019. The monitors verified the following to be available to the monitors and agencies' staff. Review of current documents will occur when COVID-19 restrictions on group meetings is lifted.

- 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 2022 1st Quarter Mitigation Monitoring Summary spreadsheets track the progress and completion of tasks as they were accomplished during this quarterly period.

# Sunshine Canyon Landfill City Mitigation Monitoring Summary

## (01-01-2022 through 03-31-2022)

Line #	Reference #	Mitigation #	City Mitigation Measures and Conditions Monitored by Discipline	Monitoring Frequency	Fourth Quarter 2021												First Quarter 2022											
					10/20/2021	Status*	Further Review Needed/Comments**	Resolved*	11/23/2021	Status*	Further Review Needed/Comments**	Resolved*	12/16/2021	Status*	Further Review Needed/Comments**	Resolved*	1/11/2022	Status*	Further Review Needed/Comments**	Resolved*	2/16/2022	Status*	Further Review Needed/Comments**	Resolved*	3/7/2022	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	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-a		✓	C	I-b		✓	C	I-c	
9	Q - B.2.c.		Ancillary Uses and Facilities	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
10			Ancillary Uses and Facilities																									
11	Q - B.2.d (3)		10 Year Phase Review	2015	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
12			10 Year Phase Review																									
13	Q - B.4.d.		Inert/Exempt Materials	info	/				/				/				/					/						
14	Q - B.5.a.		Prohibited Waste	info	/				/				/				/					/						
15	Q - B.6.		Waste Diversion	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
16	Q - C.3.g.		Paved Access Roads	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
17	Q - C.3.h.		Surfacing of Access Roads	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
18	Q - C.5.		Graffiti Removal and Deterrence	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
19	Q - C.10.c.		Evaluation of Beneficial Gas Usage	June yearly	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
20	Q - C.10.d. (1)		Alternative Fuel Vehicles	status																								
21	Q - C.10.d. (2)		Alternative Fuel Refuse Collection Trucks	status																								

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

\*\* See Appendix I for Comments

Checkmark = Condition or mitigation was monitored

/ = Yearly or non-ongoing monitoring frequency

# Sunshine Canyon Landfill City Mitigation Monitoring Summary

## (01-01-2022 through 03-31-2022)

Line #	Reference #	Mitigation #	City Mitigation Measures and Conditions Monitored by Discipline	Monitoring Frequency	Fourth Quarter 2021												First Quarter 2022											
					10/20/2021	Status*	Further Review Needed/Comments**	Resolved*	11/23/2021	Status*	Further Review Needed/Comments**	Resolved*	12/16/2021	Status*	Further Review Needed/Comments**	Resolved*	1/11/2022	Status*	Further Review Needed/Comments**	Resolved*	2/16/2022	Status*	Further Review Needed/Comments**	Resolved*	3/7/2022	Status*	Further Review Needed/Comments**	Resolved*
22	Q - C.12.a.		Technical Advisory Committee	info	/				/				/				/				/				/			
23	Q - C.12.c.		Contract for Mitigation Monitoring	info	/				/				/				/				/				/			
24	Q - C.12.c.		Contract for Mitigation Monitoring-5 years	info	/				/				/				/				/				/			
25																												
26	T - 4		Fire Plan	status	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
27	T - 5.j.		Trip Diversion	status	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
28	T - 6		Satisfactory Street Lighting	status	/				/				/				/				/				/			
29																												
30	M - 4.1.1	7	Reabandonment Procedures	status	✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
31	M - 4.1.4	11	Post-5.0 Earthquake Analysis	upon event	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
32	M - 4.2.12	27	Heavy Equipment Operations	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
33	M - 4.2.12		Heavy Equipment Operations	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
34	M - 4.2.12	28	Site Erosion-Cover	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
35	M - 4.2.12		Site Erosion-Cell Height	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
36	M - 4.2.12		Site Erosion-Sealant	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
37	M - 4.2.13	29	LFG Control Measures	ongoing	/		I-j		/		I-k		/		I-l		/		I-a		/		I-b		/		I-c	
38	M - 4.2.13	30	Operational Odor Control Techniques	ongoing	/		I-j		/		I-k		/		I-l		/		I-a		/		I-b		/		I-c	
39	M - 4.2.13	31	Solid Waste Compaction	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
40	M - 4.2.13	32	LFG Collection and Recovery System	ongoing	/		I-j		/		I-k		/		I-l		/		I-a		/		I-b		/		I-c	
41	M - 4.2.13	33	Odor Control Measures	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	C	NONE		✓	C	NONE		✓	C	NONE	

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42	M - 4.2.13	34	Odor/LFG Monitoring	ongoing	/		I-j		/		I-k		/		I-l		/		I-a		/		I-b		/		I-c	
43			Periodic LFG Monitoring		/		I-j		/		I-k		/		I-l		/		I-a		/		I-b		/		I-c	
44	M - 4.3.2	52	LFG Migration Mitigation	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
45	M - 4.3.2	57	Dust Control Water	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
46	M - 4.4.2	69	Offsite Mitigation Sites	status	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
47	M - 4.4.2	70	Purchasing Wetland Credit	status	/				/				/				✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
48	M - 4.4.2	71	Funding-Invasive Species Eradication Program	status	/				/				/				/				/				/			
49	M - 4.6	85	Site Lighting	status	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
50	M - 4.7.1	86	Open Space Buffer Area	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
51	M - 4.9.3	106	Litter Minimization	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
52	M - 4.9.3	107	Litter/Debris Containment	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
53	M - 4.9.3	108	Vehicle Tarping Requirements	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
54	M - 4.9.3	109	Periodic Offsite Litter Pickup	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
55	M - 4.9.3	110	Illegal Dumping Activities	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
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	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
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		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
71	M - 4.1.1	5	Grading Activity Compliance	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
72	M - 4.1.2	8	Landslide Guidelines	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	C	NONE		✓	C	NONE		✓	C	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	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
81	M - 4.1.6	17	Final Slope Factors of Safety	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
82	M - 4.1.6	18	Survey Monuments	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
83	M - 4.3.2	47	Landfill Liner	ongoing																								

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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		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
88	M - 4.14.1	155	Access Roadway Grade	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
89	M - 4.18	178	Landfill Elevation Exceedance	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
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	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
96	M - 4.3.1	37	Surface Drainage Systems	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
97	M - 4.3.1	38	Permanent/Temporary Ditches	ongoing	✓	C	I-j		✓	C	I-k		✓	FRN	I-l		✓	C	I-a		✓	C	I-b		✓	FRN	I-c	
98	M - 4.3.1	39	Drainage Protection	ongoing	✓	C	I-j		✓	C	I-k		✓	FRN	I-l		✓	C	I-a		✓	C	I-b		✓	FRN	I-c	
99	M - 4.3.1	40	SWRCB Permit Coverage	ongoing	✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-a		✓	C	I-b		✓	C	I-c	
100	M - 4.3.1	41	Surface Water Collection System	ongoing																								
101	M - 4.3.1	42	Surface Water Quality Monitoring	ongoing																								
102	M - 4.3.1	43	Sediment Basin Maintenance	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
103	M - 4.3.1	44	Final Landfill Cover	ongoing																								
104	M - 4.3.1	45	Erosion Control Plan	ongoing	✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-a		✓	C	I-b		✓	C	I-c	
105	M - 4.3.1	46	Preventive Maintenance Program	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	

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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-j		✓	C	I-k		✓	C	I-l		✓	C	I-a		✓	C	I-b		✓	C	I-c	
108	M - 4.3.2	51	LCRS Monitoring	ongoing																								
109																												
110	Biologist																											
111																												
112																												
113	M - 4.1.1	6	Slope Erosion Control	ongoing	✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-a		✓	C	I-b		✓	C	I-c	
114	M - 4.2.11	23	Revegetation/Excavation	ongoing	✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-a		✓	C	I-b		✓	C	I-c	
115	M - 4.2.12		Temporary Vegetation Cover	ongoing	✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-a		✓	C	I-b		✓	C	I-c	
116	M - 4.4.1	60	Coastal Sage Scrub Mitigation Plan	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
117	M - 4.4.1	61	Coastal Sage Scrub Seeding	ongoing																								
118	M - 4.4.1	62	Mariposa Lily Mitigation Plan	ongoing	✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-a		✓	C	I-b		✓	C	I-c	
119	M - 4.4.1	63	San Diego Horned Lizard Mitigation	ongoing	✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-a		✓	C	I-b		✓	C	I-c	
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	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
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-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
136	M - 4.9.2	96	Vector Activity Monitoring	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
137	M - 4.9.2	97	Vector Elimination	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
138	M - 4.9.2	98	Fly Control	ongoing																								
139	M - 4.9.2	99	Rodent Control	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
140	M - 4.9.2	100	Operational Vector-Limiting Activity	ongoing																								
141	M - 4.9.2	101	Equipment Cleanliness/Maintenance	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
142	M - 4.9.2	102	Storage of Vector-Attracting Items	ongoing																								
143	M - 4.9.2	103	Salvaged Material Storage-Vector Control	ongoing	✓	FRN	NONE		✓	FRN	NONE		✓	FRN	NONE		✓	FRN	NONE		✓	FRN	NONE		✓	FRN	NONE	
144	M - 4.9.2	104	Periodic Vector Inspections	ongoing																								
145	M - 4.9.2	105	Implementation of Vector Control Measures	ongoing																								
146																												
147	Air Quality & Noise Specialist																											
148																												
149																												

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## (01-01-2022 through 03-31-2022)

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

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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-j		✓	C	I-k		✓	C	I-l		✓	C	I-a		✓	C	I-b		✓	C	I-c	
183	M - 4.9.4	123	Personal Protective Equipment	ongoing																								
184	M - 4.9.4	125	Site Access/Fencing	ongoing	✓	C	NONE		✓	C	NONE		✓	FRN	I-l		✓	C	NONE		✓	C	NONE		✓	FRN	I-c	
185	M - 4.14.1	147	Fire Response Capabilities	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
186	M - 4.14.1	148	Hydrant Installation	ongoing																								
187																												
188	Archaeologist																											
189																												
190																												
191	M - 4.19.1	183	Archaeological Resurvey	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
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	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
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	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	

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

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25	Permittee Fees - 69	69	Permittee Fees-Contributions	info	/				/				/				/				/				/											
26	Permittee Fees - 70	70	Permittee Fees	info	/				/				/				/				/				/											
27	Permittee Fees - 72	72	Permittee Fees	info	/				/				/				/				/				/											
28	Alternative Fuel Vehicles - 77.A	77.A	Alternative Fuel Vehicles-Light Duty	status	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c									
29	Alternative Fuel Vehicles - 77.B	77.B	Alternative Fuel Vehicles-Refuse/Collection Trucks	status	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c									
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	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c									
33	Alternative Fuel Vehicles - 77.F	77.F	Alternative Fuel Vehicles-Non-diesel Truck Trip Requirements	status	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c									
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	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c									
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	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c									
41																																				
42	MMRS-12/01/06		Mitigation Monitoring and Reporting Summary	info	/				/				/				/				/				/											
43			Permits																																	
44	Geology - 1.15		Permittee's On-site Solid Waste Recovery and Recycling Program	status	/				/				/				/				/				/											
45	Surface Water - 2.09		SWRCB Permit Coverage	ongoing	/				/				/				/				/				/											
46	Surface Water - 2.15		Surface Water Preventive Maintenance Program	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c									

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47	Groundwater - 3.13		Groundwater-LFG Migration Mitigation	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
48	Groundwater - 3.14		Groundwater-Monitoring Wells	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
49	BIOTA – 4.05		Annual Fee Submission for SEA Studies	status	/				/				/				/				/				/			
50	BIOTA – 4.06		Buffer Zone Maintenance as Nature Preserve	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
51	BIOTA – 4.07		Buffer Zone Maintenance-Vegetation	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
52	BIOTA – 4.08		Ridgeline Maintenance-Remain Undisturbed	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
53	BIOTA – 4.47		Cleaning of Equipment	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
54	BIOTA – 4.48		Monitoring of Vector-Attracting Items	ongoing																								
55	BIOTA – 4.49		Salvaged Material Storage-Vector Control	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
56	BIOTA – 4.50		Vector Activity Monitoring	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
57	Air Quality - 6.03		Dust Emission Minimization	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
58	Air Quality - 6.04		Usage of Cut Material for Cover	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
59	Air Quality - 6.05		Operations in Accordance with SCAQMD/DOPW Requirements	info	/				/				/				/				/				/			
60	Air Quality - 6.06		Landfill Gas Control/Extraction System/Monitoring	ongoing	/				/				/				/				/				/			
61	Air Quality - 6.07		Flaring Systems	info	/				/				/				/				/				/			
62	Air Quality - 6.08		Management of Truck Arrivals	ongoing																								
63	Air Quality - 6.10		Refuse Truck Mitigation	status																								
64	Air Quality - 6.11		Light Duty Alternative Fuel Vehicles	status	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
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																								

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69	Air Quality - 6.11		Non-Diesel, Alternative Fuel Vehicles Truck Trips	status																								
70	Air Quality - 6.11		Clean Fuel Demonstration Program	status																								
71	Air Quality - 6.11		Compliance Evaluation	status																								
72	Odor/Landfill Gas – 7.01		Landfill Gas Escape Prevention	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
73	Odor/Landfill Gas – 7.02		Landfill Gas Collection System	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
74	Odor/Landfill Gas – 7.04		Gas Collection/Flare System Risk Mitigation	ongoing																								
75	Odor/Landfill Gas – 7.05		Wellhead Awareness	status	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
76	Odor/Landfill Gas – 7.06		Odor Control Measures	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
77	Odor/Landfill Gas – 7.07		Gas Recovery and Sale	status	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
78	Traffic/Circulation – 8.03		Street Light Installation	status	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
79	Traffic/Circulation – 8.04		Truck Traffic Minimization	status																								
80	Traffic/Circulation – 8.08		Tipping Fees for Partial Loads/Peak Hours	status																								
81	Traffic/Circulation – 8.10		Nighttime Landfill Operations Feasibility	status	/				/				/				/				/				/			
82	Traffic/Circulation – 8.11		Parking Management along San Fernando Road	status	/				/				/				/				/				/			
83	Traffic/Circulation – 8.13		Adequate Queuing	status																								
84	Visual – 10.03		Landfill Flare Locations	status	/				/				/				/				/				/			
85	Visual – 10.04		Confinement of Excavation Cover Material	status																								
86	Visual – 10.05		Lighting Requirements	status																								
87	Visual – 10.11		Litter Control Program	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
88	Visual – 10.11		Solid Waste Load Procedures-Improperly Covered/Contained	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
89	Visual – 10.11		Debris Removal at Entrance	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
90	Visual – 10.11		Litter Control-Fencing	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
91	Visual – 10.11		Periodic Litter Pickup	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	

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92	Visual - 10.11		Litter Control-Additional Measures	ongoing																								
93	Visual - 10.12		Discharge Control/Litter Recovery	status																								
94	Water Conserv. - 11.01		Water Conservation	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
95	Recycling - 14.01		On-site Waste Diversion/Recycling	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
96	Recycling - 14.03		Tonnage Disposal Determination	info	/				/				/				/				/				/			
97	Recycling - 14.04		Recycling-Various Tasks	info	/				/				/				/				/				/			
98			Clean Dirt Procedures																									
99	Site - 15.11		Reclaimed Water Utilization	status	/				/				/				/				/				/			
100	Site - 15.12		Water Conservation Measures	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
101	Admin Rpts/Pgms - 17.4		Operation Compliance	info	/				/				/				/				/				/			
102	Admin Rpts/Pgms -17.10		Fill Sequencing Plans	status																								
103	Admin Rpts/Pgms-17.15		Quarterly Newsletter	status	✓	FRN	NONE		✓	FRN	NONE		✓	FRN	NONE		✓	FRN	NONE		✓	FRN	NONE		✓	FRN	NONE	
104	Landfill Operation - 18.7		Graffiti Removal/Deterrent Plan	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
122																												
123	Civil & Geotechnical Engineer																											
124																												
125																												
126	Revegetation - 44.C	44.C	Cut Slope Requirements	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
127																												
128	Geology - 1.01		Survey Monument Locations	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
129	Geology - 1.02		Seismic Design	ongoing																								
130	Geology - 1.03		Maximum Refuse Slope Gradients	ongoing																								
131	Geology - 1.04		Maximum Refuse Slope Gradients	ongoing																								
132	Geology - 1.05		Unsuitable Material Procedures	ongoing																								

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133	Geology - 1.06		Grading Activities Procedures	ongoing												✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		
134	Geology - 1.07		Grading Activities Procedures	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
135	Geology - 1.09		Outer Perimeter Ridgeline Requirements	info	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
136	Geology - 1.12		Soil Stabilization	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
137	Geology - 1.16		Checklists/Surveys Following Earthquake	upon event	✓	NA	NONE		✓	NA	NONE		✓	NA	NONE		✓	NA	NONE		✓	NA	NONE		✓	NA	NONE	
138	Geology - 1.18		Alluvium-Removal/Replacement	ongoing																								
139	Geology - 1.19		Landfill Design/Construction	ongoing																								
140	Geology - 1.20		Landfill Design/Construction-Foundations	ongoing																								
141	Surface Water - 2.03		Surface Drainage Control Facilities	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
142	Surface Water - 2.05		Underdrain Requirements	ongoing																								
143	Surface Water - 2.06		Final Cover for Surface Water Runoff Control	ongoing																								
144	Groundwater - 3.02		Liner System Requirements	ongoing																								
145	Groundwater - 3.04		Onsite Inspector for Liner Installation	ongoing																								
146	Groundwater - 3.09		Alluvium Removal	ongoing																								
147	Visual – 10.01		Landfill Elevations	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
148	Visual – 10.02		Final Fill Elevations	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
149																												
150	Hydrologist																											
151																												
152																												
153	Grading & Drainage - 38	38	Installation of Drainage Structures	ongoing																								
154																												
155	Geology - 1.17		Landfill Design/Construction-Seismic	ongoing																								
156	Surface Water - 2.01		Surface Water Runoff Interception	ongoing																								

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157	Surface Water - 2.02		Surface Water Runoff Collection	ongoing																								
158	Surface Water - 2.03		Surface Drainage Control-Maintenance	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
159	Surface Water - 2.04		Sedimentation Basin Capabilities	ongoing																								
160	Surface Water - 2.05		Underdrain Placement	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
161	Surface Water - 2.07		Drainage Control System Design Approval	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
162	Surface Water - 2.08		Surface Water Runoff-Drainage System	ongoing																								
163	Surface Water - 2.10		Surface Water Collection System-Monitoring	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
164	Surface Water - 2.11		Surface Water Quality-Collection/Monitoring	ongoing																								
165	Surface Water - 2.12		Permanent/Temporary Drainage Facilities	ongoing	✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-a		✓	C	I-b		✓	C	I-c	
166	Surface Water - 2.13		Permanent/Temporary Drainage Facilities	ongoing																								
167	Surface Water - 2.14		Erosion Control Plan	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
168	Groundwater - 3.03		Interception of Groundwater Seepage	ongoing																								
169	Groundwater - 3.06		Monitoring Wells	ongoing																								
170																												
171	Biologist																											
172																												
173																												
174	Revegetation - 44	44	Revegetation/Cover Requirements	ongoing																								
175	Revegetation - 44.A	44.A	Temporary Hydroseed Vegetation	ongoing	✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-a		✓	C	I-b		✓	C	I-c	
176	Revegetation - 44.B	44.B	Interim Reclamation/Revegetation Plan-Sold Waste	ongoing																								
177	Revegetation - 44.D	44.D	Final Fill Slope Requirements	ongoing																								
178	Revegetation - 44.E	44.E		ongoing																								
179																												
180	Geology - 1.13		Drainage Plan Approval	ongoing	✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-a		✓	C	I-b		✓	C	I-c	

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181	Geology - 1.14		Personnel Retention for Monitoring Soil Erosion	ongoing	✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-a		✓	C	I-b		✓	C	I-c	
182	Groundwater - 3.11		Irrigation/Revegetation Management- Personnel Retention	ongoing																								
183	BIOTA – 4.10		Oak Tree Permit	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
184	BIOTA – 4.11		Oak Tree Mitigation Plan	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
185	BIOTA – 4.13		Oak Tree Mitigation Counting	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
186	BIOTA – 4.20		Poultry Wire Screen	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
187	BIOTA – 4.24		Drip Irrigation	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
188	BIOTA – 4.27		Coastal Sage Scrub Mitigation Plan	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
189	BIOTA – 4.28		Coastal Sage Scrub Seeding	ongoing																								
190	BIOTA – 4.29		San Diego Horned Lizard Mitigation	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
191	BIOTA – 4.30		California Gnatcatcher Surveys	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
192	BIOTA – 4.31		Least Bell's Vireo Surveys	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
193	BIOTA – 4.32		Western Burrowing Owl Surveys	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
194	BIOTA – 4.33		Migratory Bird Treaty Act	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
195	BIOTA – 4.34		Raptor Nests Habitat	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
196	BIOTA – 4.36		Personnel Retention for Monitoring Revegetation Plan	ongoing																								
197	BIOTA – 4.37		Personnel Retention for Monitoring Revegetation Plan, Onsite Plants	status																								
198	BIOTA – 4.38		Green Waste Material	ongoing																								
199	BIOTA – 4.39		Revegetation of Slopes/Fill Areas	ongoing																								
200	BIOTA – 4.41		Revegetation Plan-Replacement Cover	ongoing																								
201	BIOTA – 4.42		Interim Vegetation	ongoing	✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-a		✓	C	I-b		✓	C	I-c	
202	BIOTA – 4.43		Replacement Riparian Habitat	status	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
203	Air Quality - 6.02		Dust Control	ongoing	✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-a		✓	C	I-b		✓	C	I-c	
204	Visual – 10.06		Upper Ridge Planting/Revegetation	ongoing																								

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205	Visual – 10.07		Tree Planting Around Perimeter	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
206	Visual – 10.08		Cover/Revegetation Requirements	ongoing	✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-a		✓	C	I-b		✓	C	I-c	
207	Visual – 10.08		Solid Waste Disposal Procedures	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
208	Visual – 10.08		Final Cut Slope Steepness	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
209	Visual – 10.08		Final Fill Slopes-Reclamation/Revegetation	status																								
210	Visual – 10.08		Revegetation Requirements	status	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
211	Visual – 10.09		Final Cover Composition Requirements	ongoing																								
212	Visual – 10.10		Buffer Zone Maintenance	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
213	Water Conservation - 11.02		Plant Species	ongoing																								
214	Fire Service - 12.01		Brush Clearance Measures	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
215																												
216	Air Quality & Noise Specialist																											
217																												
218																												
219	Fugitive Dust - 45.F	45.F	Fugitive Dust Monitoring	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
220	Fugitive Dust - 45.I	45.I	Paved Roads-Cleaning	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
221	Fugitive Dust - 45.N	45.N	Report Submission-Dust/Odor	every quarter																								
222	Air Quality Monitoring - 81	81	Air Quality Monitoring-Tests	ongoing																								
223																												
224																												
225	Air Quality – 6.01		Fugitive Dust Aversion	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
226	Air Quality – 6.01		Working Face Requirements	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
227	Air Quality – 6.01		Erosion Control-Daily Cover	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	

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228	Air Quality – 6.01		Soil Stockpile Requirements	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
229	Air Quality – 6.01		Active Area Fill	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
230	Air Quality – 6.01		Soil Sealant	ongoing																								
231	Air Quality – 6.01		Dust Emissions-Road Maintenance	ongoing	✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-a		✓	C	I-b		✓	C	I-c	
232	Air Quality – 6.01		Access Roads-Paving	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
233	Air Quality – 6.01		Dust Generation-Dumping	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
234	Air Quality – 6.01		Water Tanks/Piping Maintenance	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
235	Air Quality – 6.01		Wind Speed Monitoring	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
236	Air Quality – 6.01		Report Submission-Dust/Odor	every quarter	/				/				/				/				/				/			
237	Odor/Landfill Gas – 7.03		Odor/Landfill Gas Monitoring Program	ongoing	/				/				/				/				/				/			
238	Odor/Landfill Gas – 7.03		Landfill Surface Sampling	ongoing	/				/				/				/				/				/			
239	Odor/Landfill Gas – 7.03		Landfill Perimeter Air Samples	ongoing	/				/				/				/				/				/			
240	Odor/Landfill Gas – 7.03		Landfill Surface Monitoring	ongoing	/				/				/				/				/				/			
241	Odor/Landfill Gas – 7.03		LFG Collection System Monitoring	ongoing	/				/				/				/				/				/			
242	Noise – 9.01		Landfill Access/Operation	info	/				/				/				/				/				/			
243	Noise – 9.03		Landfill Equipment-Mufflers/Silencers	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
244	Admin Rpts/ Pgms-17.16		Air Quality Monitoring-Corrective Action Plan	ongoing	/				/				/				/				/				/			
246																												
247	Hydrology, Hazardous Waste / Risk of Upset																											
248																												
249																												
250	IMP - Part IV.E	IMP4	Load Inspection-Random Manual	ongoing																								
251																												
252	Groundwater - 3.05		Leachate Collection and Removal System	ongoing																								

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Checkmark = Condition or mitigation was monitored

/ = Yearly or non-ongoing monitoring frequency



# Sunshine Canyon Landfill County Mitigation Monitoring Summary

(01-01-2022 through 03-31-2022)

Line #	Reference #	Mitigation #	County Mitigation Measures and Conditions Monitored by Discipline	Monitoring Frequency	Fourth Quarter 2021																First Quarter 2022															
					10/20/2021	Status*	Further Review Needed/Comments**	Resolved*	11/23/2021	Status*	Further Review Needed/Comments**	Resolved*	12/16/2021	Status*	Further Review Needed/Comments**	Resolved*	1/11/2022	Status*	Further Review Needed/Comments**	Resolved*	2/16/2022	Status*	Further Review Needed/Comments**	Resolved*	3/7/2022	Status*	Further Review Needed/Comments**	Resolved*								
253	Groundwater - 3.15		Underground Diesel Fuel Storage Tanks	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE									
254	Fire Service - 12.02		On-site Fire Response Capabilities-Operating Equipment	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE									
255	Fire Service - 12.03		On-site Fire Response Capabilities-Roads/Water	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c									
256	Fire Service - 12.04		On-site Fuel Storage Tanks-Permit Issuance	ongoing	✓	FRN	NONE		✓	FRN	NONE		✓	FRN	NONE		✓	FRN	NONE		✓	FRN	NONE		✓	FRN	NONE									
257	Fire Service - 12.05		Building Limits	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE									
258	Fire Service - 12.06		Methane Gas Monitoring-On-site Structures	ongoing	✓	FRN	NONE		✓	FRN	NONE		✓	FRN	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	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c									
276	IMP - Part VII.B	IMP7	Archaeological/Paleontological Report Submission	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE									

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**Sunshine Canyon Landfill County Mitigation Monitoring Summary**  
**(01-01-2022 through 03-31-2022)**

Line #	Reference #	Mitigation #	County Mitigation Measures and Conditions Monitored by Discipline	Monitoring Frequency	Fourth Quarter 2021												First Quarter 2022											
					10/20/2021	Status*	Further Review Needed/Comments**	Resolved*	11/23/2021	Status*	Further Review Needed/Comments**	Resolved*	12/16/2021	Status*	Further Review Needed/Comments**	Resolved*	1/11/2022	Status*	Further Review Needed/Comments**	Resolved*	2/16/2022	Status*	Further Review Needed/Comments**	Resolved*	3/7/2022	Status*	Further Review Needed/Comments**	Resolved*
277	Archaeological – 5.01		Archaeological Resurvey	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
278	Archaeological – 5.02		Onsite Archaeologist	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
279	Archaeological – 5.03		Onsite Paleontologist	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
280	Archaeological – 5.04		Archaeological/Paleontological Identification Instruction	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
281	Archaeological – 5.05		Archaeological Resource Curation	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
282																												
283	Paleontologist																											
284																												
285																												
286	Ecological Significance - 62	62	Archaeological/Paleontological -Material Identification/Conservation	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	
287	IMP - Part VII.B	IMP7	Archaeological/Paleontological-Report Submission	ongoing																								

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## **Appendix I**

### **Further Review Needed Comments: Reference I-a through I-c First Quarter 2022 Site Visits**

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Discipline	City Condition Reference # / Mitigation #	County Condition Reference # / Mitigation #	Responsible Agency	Further Review Needed – Comments
Project Manager	Q – B.2.c		City Planning	I-a through I-c: There was no grading outside of the approved landfill development limits during the 1st Quarter. The grading that occurred was for construction of the final main access road and drainage channel around the road. The road realignment was not within the Sunshine Canyon waste fill limits but is in the CUP-approved areas for ancillary uses. The road realignment also included a new sedimentation basin and the removal of a portion of the existing terminal basin and the westside inlet channels to the basin. This was in preparation for the construction of a final toe berm. In the 1st Quarter, the new basin and drainage V-ditches and downcomers were constructed. The new road construction and final toe berm will need a substantial amount of soil importation. The completion of these improvements is scheduled for 2023. Cell CC-4 Part 3 and CC-4 Part 4A were the only areas accepting waste during the 1st Quarter. ADC was being used at the active disposal areas. The availability of soil for ADC cover was an operations problem with adequate soil sometimes not being delivered when needed for Saturday cover.
		Geology - 1.07	County DPW EPD/SCL-LEA	I-a through I-c: See Q – B.2.c above.
		Geology - 1.12	County DPW EPD/SCL-LEA	I-a through I-c: See Q – B.2.c above.
	Q - C.3.h		City Planning	I-a through I-c: In the 1st Quarter, localized dust clouds occurred on dirt roads to and on the County top deck when waste hauling transfer and packer trucks used the dirt roads going to the active waste disposal areas and when soil importation trucks were delivering soil. The dust was not observed leaving the site.
	Q - C.10.c		City Planning	<p>I-a: The gas-to-energy plant was using 9997 SCFM of recovered landfill gas, 39% CH<sub>4</sub>, 1.8% O<sub>2</sub>, 70 ppm H<sub>2</sub>S. Flare 1: 1939 SCFM; Flare 3: not operating; Flare 9: not operating; Flare 10: 2623 SCFM; Flare 11: 2609 SCFM. The total volume of landfill gas being recovered was 17,168 SCFM.</p> <p>I-b: The gas-to-energy plant was using 10,066 SCFM of recovered landfill gas, 39% CH<sub>4</sub>, 1.5% O<sub>2</sub>, 68 ppm H<sub>2</sub>S. Flare 1: 1937 SCFM, 34% CH<sub>4</sub>, 1.9% O<sub>2</sub>, 100 ppm H<sub>2</sub>S; Flare 3: not operating; Flare 9: 3052 SCFM; Flare 10: 3089 SCFM; Flare 11: not operating. The total volume of landfill gas being recovered was 18,144 SCFM.</p> <p>I-c: The gas-to-energy plant was using 10,007 SCFM of recovered landfill gas, 39% CH<sub>4</sub>, 1.8% O<sub>2</sub>, 63 ppm H<sub>2</sub>S. Flare 1: 1927 SCFM; Flare 3: not operating; Flare 9: 3025 SCFM; Flare 10: 3111 SCFM; Flare 11: not operating. The total volume of landfill gas being recovered was 18,070 SCFM.</p> <p>I-a through I-c: The monthly average quantity of landfill gas being recovered in the 1st Quarter was 17,794 SCFM, with the gas-to-energy plant monthly average usage 10,024 SCFM. Republic has stated that they are pursuing options for using the excess recovered gas that is now being flared.</p>
		Odor/Landfill Gas - 7.07	County Planning/SCAQMD SCL-LEA	I-a through I-c: See Q - C.10.c above.
		Gas - 52	County DPW EPD/SCL-LEA County Forester Fire Warden	I-a through I-c: See Q - C.10.c above.

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-a through I-c: An updated fire plan showing the new locations of all facilities and normal and emergency ingress and egress should be prepared and sent to the local City fire department station and City and County planning now that the office facilities have been moved to the new location and the realignment of the main access road and toe berm are under construction. Emergency egress should be posted for employees and customers.
		Fire Service - 12.03	County DPW EPD/SCL-LEA County Forester Fire Warden	I-a through I-c: See T-4 above.
	M - 4.1.1 / 4	M - Earth Resources	City Department of Building and Safety	I-a through I-c: The rainwater control system for the new access road and sedimentation basin has uncontrolled rainwater impact on the Gas Company's facility and San Fernando Road.
	M - 4.1.1 / 7		City Planning, DOGGR	I-a through I-c: The old abandoned oil well casing adjacent to the new secondary access road from the Flare 11 site was not reabandoned. An evaluation of the need to reabandon this well should be done. This well was not leaking oil or gas, and did not pose a current hazard. It is well beyond the approved landfill limits but inside the ridgeline of Sunshine Canyon.
		Re-abandonment Procedures	County Planning, County DPW EPD/SCL-LEA, DOGGR	I-a through I-c: See M - 4.1.1 / 7 above.
	M - 4.1.4 / 11	Post-5.0 Earthquake Analysis	City Planning	I-a through I-c: There were no earthquakes of 5.0 or greater during this monitoring period.
	M - 4.2.12 / 26 and 28		City Planning/SCAQMD	I-a through I-c: During the 1st Quarter, Closure Turf was being maintained, and gas and liquids recovery systems under the turf were performing well. This cover material was in lieu of vegetation on the south-facing slopes, and controlled and eliminated dust and erosion. The areas where the County top deck stockpile soil was removed which had isolated, deep depressions, had significant ponding from rain events during the entire 1st Quarter.
		Fugitive Dust - 45.F	County DPH/County LEA County DPW-EPD County Biologist	I-a through I-c: See M - 4.2.12 / 28 above.
	M - 4.2.13 / 29, 30, 32, 33, and 34		City Planning/SCL-LEA/SCAQMD	I-a through I-c: Compliance with these mitigation measures, concerning landfill gas monitoring and odor control and detection, is being monitored by a multi-agency team led by the SCAQMD. Only obvious gas emission sources, odorous operations related to gas and/or gas and landfill liquids, lack of cover, or exposed trash resulting in odor observed during the monitoring visit are reported.
		Amendment 45.N-4.a, 4.c, 4.d	County DPW-EPD	I-a through I-c: See M - 4.2.13 / 29, 30, 32, 34 above.
		Amendment 45.N-5	County DPW-EPD	I-a through I-c: See M - 4.2.13 / 29, 30, 32, 34 above.
	M - 4.2.13 / 33		City Planning/SCAQMD	I-a through I-c: On our random days of site visits during the 1st Quarter, there were no landfill odors detected in the adjacent neighborhoods.
	M - 4.2.13 / 34		City Planning/SCAQMD	I-a through I-c: See M-4.2.13/29, 30, and 32 above.

Discipline	City Condition Reference # / Mitigation #	County Condition Reference # / Mitigation #	Responsible Agency	Further Review Needed – Comments
Project Manager		Odor/Landfill Gas - 7.06	County DPW-EPD/SCL-LEA/SCAQMD	I-a through I-c: See M-4.2.13/33 above.
		Amendment 45.N - 4.a, 4.c, 4.d	County DPW-EPD	I-a through I-c: See M-4.2.13/29, 30, 32, and 34 above.
		Amendment 45.N - 5	County DPW-EPD	I-a through I-c: See M-4.2.13/29, 30, 32, and 34 above.
		Surface Water - 2.15	County DPW EPD/ LARWQCB, SCL- LEA	<p>I-a through I-c: A preventative maintenance program with inspection of facility equipment, systems and storm water management devices to detect conditions that may cause breakdowns or failures resulting in discharge of materials into stormwater should be performed on a monthly basis, with a summary report issued on a quarterly basis. These reports have been reviewed prior to COVID-19 restrictions and were available at the landfill's main office.</p> <p>In the 1st Quarter, it was observed that vegetation was growing out of numerous cracks in the water retention basins and drainage conveyance channels' concrete. There were areas of the channels and basins that needed the growing vegetation to be removed, and repair of the concrete and sealing of cracks. These clean-up and maintenance tasks are put on the monthly preventative maintenance program work list. There were three areas of the eastside channel that were blocked with mud and rock, debris and brush. One was fully blocked and the other two with minimal flow capacity.</p>
	M - 4.4.2/ 69		City Planning	I-a through I-c: The status on providing offsite wetland and riparian mitigation has not changed in the 1st Quarter. The City was proceeding with writing and adopting an ordinance to allow the wetlands and riparian mitigation to be created in the Chatsworth Reservoir. All environmental analysis has been completed. Republic stated that there has been no progress in finalizing and adopting the ordinance. Since the COVID-19 pandemic, progress has been suspended. The delay in the issuance of the City ordinance is delaying any progress in creating the required wetlands and riparian mitigation. 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 were not obtained since then. The Chatsworth Dam mitigation site needs to be evaluated as still being a potential mitigation site.

Discipline	City Condition Reference # / Mitigation #	County Condition Reference #/ Mitigation #	Responsible Agency	Further Review Needed – Comments
Project Manager		Biota - 4.4.3	CDFW	I-a through I-c: See M - 4.4.2 / 69 above.
	M - 4.9.3 / 110		City Planning/City LEA	I-a through I-c: In January, there was illegal dumping of a mattress, tires and debris on the shoulder of Sierra Highway near the I-14 overpass, which had occurred in December of 2021. There was no litter or illegal dumping observed in the adjacent neighborhood in the 1st Quarter.
Civil and Geotechnical Engineer	M - 4.1.1 / 2		City Building and Safety City Planning	I-a through I-c: See M - 4.1.1 / 5 below.
	M - 4.1.1 / 4		City Planning/LARWQCB Cal Recycle	I-a through I-c: See M - 4.1.1 / 5 below.
	M - 4.1.1 / 5		City Planning/ LARWQCB Cal Recycle	I-a through I-c: There was no grading outside of the approved landfill development limits during the 1st Quarter. Grading for the road realignment was done in the small valley south of the current main access road. The use was approved in the original CUP for ancillary uses. The construction plans and supporting geotechnical reports were reviewed and approved by City Planning and the City Building Department. The City also approved brush and tree clearance and hillside grading. The technical reports and detailed plans were not available for review. Compliance with County Geology - 1.07 was not able to be verified by the monitor.
		Geology - 1.07	County DPW EPD/ County LEA	I-a through I-c: See M - 4.1.1 / 5 above.
	M - 4.1.5 / 12		City Planning/LARWQCB Cal Recycle	I-a through I-c: See M - 4.1.1 / 5 above.
	M - 4.1.6 / 18			I-a through I-c: The landfill perimeter boundary survey PVC marker pipes have been removed in areas where Edison pole grading took place, near the Flare 11 site pad grading and near the CC-4 Part 3 buttress. All PVC boundary markers need to be verified and replaced if missing.
	M - 4.14.1 / 155		City Planning/Cal Recycle PW-BOE LADBS City LEA	I-a through I-c: Access roads were being maintained around the working area for emergency access. The final perimeter access road construction on the westside was completed.
	M - 4.18 / 178		City Planning/City LEA	I-a through I-c: A map showing areas that are at the final elevations and which should have final cover should be available for review. Documents showing current filled elevations should also be available onsite for review.
		Visual - 10.01 Visual - 10.02	County DPW EPD/ LARWQCB SCL-LEA	I-a through I-c: See M - 4.18 / 178 above.

Discipline	City Condition Reference # / Mitigation #	County Condition Reference # / Mitigation #	Responsible Agency	Further Review Needed – Comments
<b>Civil and Geotechnical Engineer</b>	M - 4.3.1/ 37, 38		City Planning/ LARWQCB CalRecycle SCL-LEA PW-BOE	I-a through I-c: Surface drainage systems were in place to intercept or divert rainwater away from prior landfill cells and current filling operations. Most of these were temporary systems in active areas, and most conveyance V-ditches were unlined. The construction of the final toe berm and main access road realignment project had started. This is a two-year project and includes a new basin, modification of the terminal basin, and the construction of new drainage channels, and possibly a new upstream basin from the terminal basin. The road realignment will entail the construction of a new main access road, a 350,000 cubic-foot sedimentation basin, and drainage improvements in the ravine south of the current entrance. The design plans and design details and calculations were submitted to the City for permit approval. The engineering reports were not available for review by the monitor nor submitted to the LADPW for approval. Compliance with Surface Water - 2.03 could not be verified.
<b>Hydrologist</b>		Surface Water - 2.03 Surface Water - 2.12	County DPW EPD/ LARWQCB SCL-LEA	I-a through I-c: See M - 4.3.1/ 37, 38 above.
	M - 4.3.1 / 39		City Planning/LARWQCB Cal Recycle	I-a through I-c: See M - 4.3.1/ 37, 38 above.
	M - 4.3.1 / 40		City Planning/ LARWQCB CalRecycle SCL-LEA PW-BOE LADBS	I-a through I-c: See M - 4.3.1/ 37, 38 above.
	M - 4.3.1 / 43		City Planning/ LARWQCB CalRecycle SCL-LEA PW-BOE LADBS	I-a through I-c: All of the basins were cleared of sediment before the winter rain events in the 1st Quarter. The channels were free of sediment on all but the eastside drainage system. Those channels had growing vegetation, windblown brush, and some spots had an accumulation of sediment and windblown litter blocking water flow.
		Surface Water - 2.10	LARWQCB / County DPW EPD	I-a through I-c: See M - 4.3.1/ 37, 38 and 43 above.
		Surface Water - 2.14	LARWQCB / County DPW EPD	I-a through I-c: See M - 4.3.1 / 37, 38 and 43 above. The current erosion control plans should be available for agency and monitor review.
	M - 4.3.1/ 46		City Planning/ LARWQCB CalRecycle PW-BOE	I-a through I-c: See 2.15 above.
	M - 4.3.2 / 50		City Planning/ LARWQCB CalRecycle SCL-LEA	I-a through I-c: The old City North top deck has a tank farm of 16 Alder storage tanks for processing recovered leachate and condensate, with a double-wall pipeline to the sewer connection at the entrance near San Fernando Road. This system operated with no odors detected at the tank farm nor the sewer connection during the 1st Quarter. Tank farm liquids were being treated with 30% hydrogen peroxide at the tank farm and at the sewer connection.



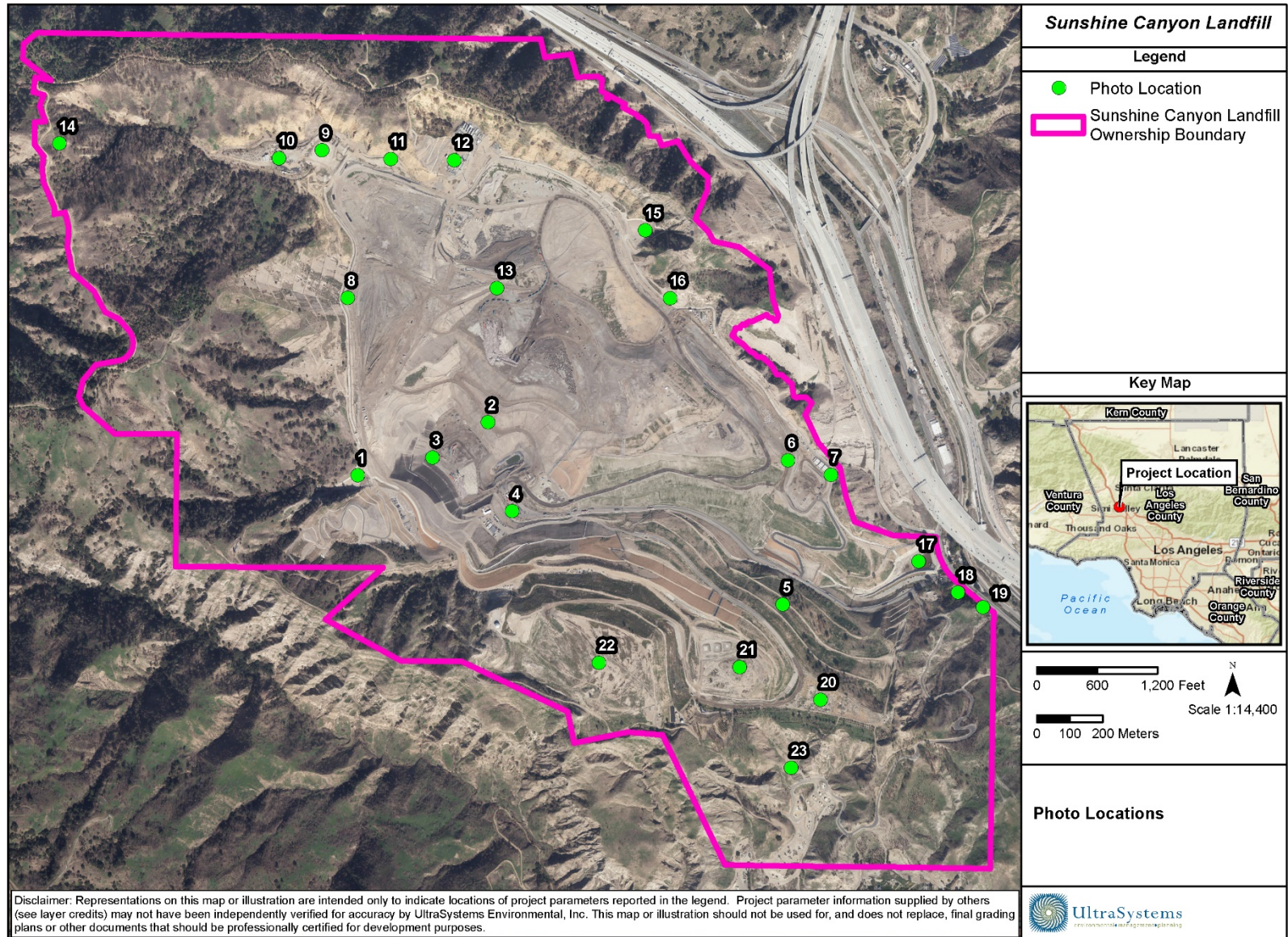
Discipline	City Condition Reference # / Mitigation #	County Condition Reference # / Mitigation #	Responsible Agency	Further Review Needed – Comments
Biologist	M - 4.1.1 / 6		City Planning/ LARWQCB CalRecycle SCL-LEA LADBS	I-a through I-c: See M - 4.2.12 / 28 above.
		Geology - 1.14	LARWQCB/ County Forester	I-a through I-c: See M - 4.2.12 / 28 above.
	M - 4.2.11 / 23		City Planning	I-a through I-c: See M - 4.2.12 / 28 above.
		Geology - 1.13	County DPW EPD/ County Forester LARWQCB	I-a through I-c: See M - 4.2.12 / 28 above.
	M - 4.2.12		SCL-LEA/ City Planning	I-a through I-c: See M - 4.2.12 / 28 above.
		Revegetation - 44.A	SCL-LEA/ County DPW EPD Regional Planning County Biologist	I-a through I-c: See M - 4.2.12 / 28 above.
		Revegetation - 44.F	SCL-LEA/ County DPW EPD Regional Planning County Biologist	I-a through I-c: See M - 4.2.12 / 28 above.
		Biota - 4.42	SCL-LEA	I-a through I-c: See M - 4.2.12 / 28 above.
		Air Quality - 6.02	SCAQMD/ SCL-LEA	I-a through I-c: See M - 4.2.12 / 28 above.
		Visual - 10.08	County Forester	I-a through I-c: See M - 4.2.12 / 28 above.
	M - 4.4.1 / 60		City Planning	I-a through I-c: During the 1st Quarter, sage mitigation areas decks B and C were being maintained by the removal of non-native vegetation. Native vegetation was doing well. Bare spots are being filled in from planted native plants. The condition of the PM-10 oak trees was being evaluated by Republic's consulting biologists. The yearly mitigation tree status report was being prepared. During the 1st Quarter site visits, there was a substantial amount of dead PM-10 trees observed by the monitor. A schedule for replacement is waiting for the biologist's report to be issued. There was no activity on the County sage mitigation areas. Native plants were doing well, repopulating in the areas where they naturally came back. No mitigation revegetation activity was done for this area in the 1st Quarter.

Discipline	City Condition Reference # / Mitigation #	County Condition Reference # / Mitigation #	Responsible Agency	Further Review Needed – Comments
<b>Biologist</b>		Biota - 4.27	County LEA/CDFW	I-a through I-c: See M - 4.4.1 / 60 above.
		Biota - 4.10	County LEA/CDFW	I-a through I-c: An updated mitigation tree report evaluating the impacts of the Saddleridge Fire and other impacts was being prepared. The number and type of trees that will need to be replaced will be addressed in the report. Site monitors observed numerous dead mature PM-10 oak trees. Also, there were dead Big Cone fir trees that were observed. A mitigation tree replacement plan, scope and schedule has not been developed. A tree status report was scheduled to be issued in the first quarter of 2022.
	M - 4.4.3 / 72		City Planning	I-a through I-c: See Biota - 4.10 above.
	M - 4.9.4 / 121		City Planning/Cal Recycle Cal OSHA LAFD City LEA	I-a through I-c: See T-4 above.
	M-4.9.4/ 125		City Planning/ CalRecycle Cal OSHA SCL-LEA	I-a through I-c: During the 1st Quarter of 2022, the north perimeter gate was observed to be locked.
<b>Paleontologist</b>	M-4.19.2/ 191		City Planning	I-a through I-c: During the 1st Quarter, the only grading in native undisturbed areas that required archeological and paleontological monitoring was in the southeast ravine where brush and tree clearance and rough grading was done for the development of the new main access road realignment.
		Ecological Significance 62	County Planning	I-a through I-c: See M-4.19.2/ 191 above.

## Appendix II

### Relevant Site Photos

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Path: \\GIS\SVR\GIS\Projects\5800\_Sunshine\_Canyon\MXD\PhotoLocations\5800\_Sunshine\_Canyon\_PhotoLocations\_2020\_10\_12.mxd  
 Service Layer Credits: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community; CAL FIRE, 2007; Republic, March 2020; LA County Assessor, 2020

October 12, 2020

## Photo Location Map Key

Map Location	Title	Photo Number
1	Basin A	1 – 20
2	Working Area, CC4 Part 1/2	–
3	Working Area, CC-4 Part 3	21 – 42
4	Working Area, CC-4 Part 4A	43 – 91
5	Closure Turf	92– 101
6	Office and Scales Location	102 – 130
7	Alder Tank Liquids Treatment System	131 – 148
8	County Sage Mitigation Area and Westside Drainage Channels	149 – 176
9	Basin D	177 – 180
10	Basin D Material Storage Area	181
11	Basin D Outlet Channel	–
12	Flares 9, 10, 11 and Gas-to-Energy Facility	182 – 216
13	County Top Deck	217 – 256
14	North Access Road	–
15	Basin B	257 – 281
16	Eastside Drainage Channel	282 – 304
17	Terminal Basin	305 – 363
18	Greywater Sewer Connection	–
19	Retaining Wall at San Fernando Road	–
20	Sage Mitigation, Deck C	364 – 381
21	Sage Mitigation, Deck B	382 – 401
22	Sage Mitigation, Deck A	–
23	Southern Ownership Buffer	402 – 404
–	General Site	405 – 588





**Photo 1: Basin A: January 11, 2022**



**Photo 2: Basin A: January 11, 2022**



**Photo 3: Basin A: January 11, 2022**



**Photo 4: Basin A: January 11, 2022**





**Photo 5: Basin A: January 11, 2022**



**Photo 6: Basin A: January 11, 2022**



**Photo 7: Basin A: February 16, 2022**



**Photo 8: Basin A: February 16, 2022**





**Photo 9: Basin A: February 16, 2022**



**Photo 10: Basin A: February 16, 2022**



**Photo 11: Basin A: February 16, 2022**



**Photo 12: Basin A: February 16, 2022**





**Photo 13: Basin A: February 16, 2022**



**Photo 14: Basin A: March 7, 2022**



**Photo 15: Basin A: March 7, 2022**



**Photo 16: Basin A: March 7, 2022**





**Photo 17: Basin A: March 7, 2022**



**Photo 18: Basin A: March 7, 2022**



**Photo 19: Basin A: March 7, 2022**



**Photo 20: Basin A: March 7, 2022**





**Photo 21: Working Area, CC-4 Part 3: January 11, 2022**



**Photo 22: Working Area, CC-4 Part 3: January 11, 2022**



**Photo 23: Working Area, CC-4 Part 3: January 11, 2022**



**Photo 24: Working Area, CC-4 Part 3: January 11, 2022**





**Photo 25: Working Area, CC-4 Part 3: January 11, 2022**



**Photo 26: Working Area, CC-4 Part 3: January 11, 2022**



**Photo 27: Working Area, CC-4 Part 3: January 11, 2022**



**Photo 28: Working Area, CC-4 Part 3: January 11, 2022**





**Photo 29: Working Area, CC-4 Part 3: January 11, 2022**



**Photo 30: Working Area, CC-4 Part 3: January 11, 2022**



**Photo 31: Working Area, CC-4 Part 3: January 11, 2022**



**Photo 32: Working Area, CC-4 Part 3: January 11, 2022**





**Photo 33: Working Area, CC-4 Part 3: January 11, 2022**



**Photo 34: Working Area, CC-4 Part 3: January 11, 2022**



**Photo 35: Working Area, CC-4 Part 3: January 11, 2022**



**Photo 36: Working Area, CC-4 Part 3: January 11, 2022**





**Photo 37: Working Area, CC-4 Part 3: January 11, 2022**



**Photo 38: Working Area, CC-4 Part 3: January 11, 2022**



**Photo 39: Working Area, CC-4 Part 3: January 11, 2022**



**Photo 40: Working Area, CC-4 Part 3: January 11, 2022**





**Photo 41: Working Area, CC-4 Part 3: January 11, 2022**



**Photo 42: Working Area, CC-4 Part 3: January 11, 2022**



**Photo 43: Working Area, CC-4 Part 4A: January 11, 2022**

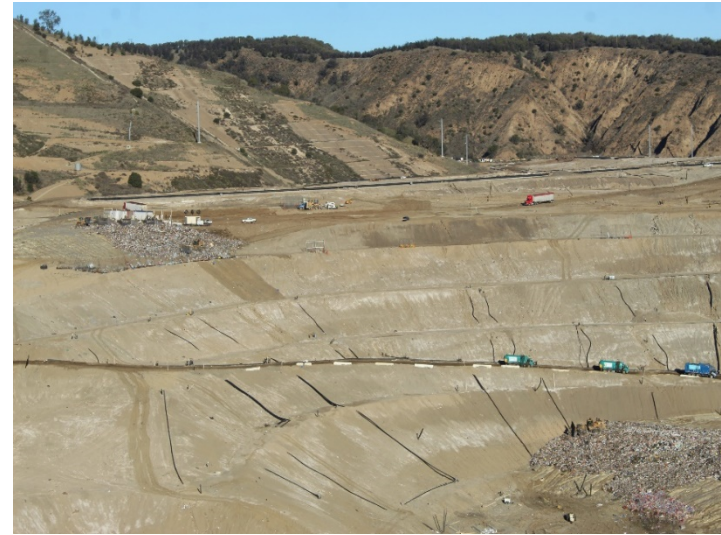


**Photo 44: Working Area, CC-4 Part 4A: January 11, 2022**





**Photo 45: Working Area, CC-4 Part 4A: January 11, 2022**



**Photo 46: Working Area, CC-4 Part 4A: January 11, 2022**



**Photo 47: Working Area, CC-4 Part 4A: January 11, 2022**



**Photo 48: Working Area, CC-4 Part 4A: January 11, 2022**





**Photo 49: Working Area, CC-4 Part 4A: January 11, 2022**



**Photo 50: Working Area, CC-4 Part 4A: January 11, 2022**



**Photo 51: Working Area, CC-4 Part 4A: January 11, 2022**

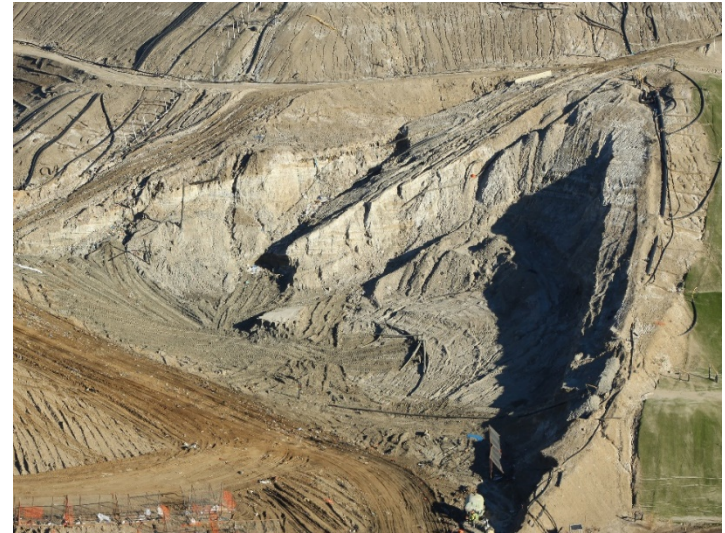


**Photo 52: Working Area, CC-4 Part 4A: January 11, 2022**





**Photo 53: Working Area, CC-4 Part 4A: January 11, 2022**



**Photo 54: Working Area, CC-4 Part 4A: January 11, 2022**



**Photo 55: Working Area, CC-4 Part 4A: January 11, 2022**



**Photo 56: Working Area, CC-4 Part 4A: January 11, 2022**





Photo 57: Working Area, CC-4 Part 4A: January 11, 2022



Photo 59: Working Area, CC-4 Part 4A: January 11, 2022



Photo 58: Working Area, CC-4 Part 4A: January 11, 2022



Photo 60: Working Area, CC-4 Part 4A: January 11, 2022





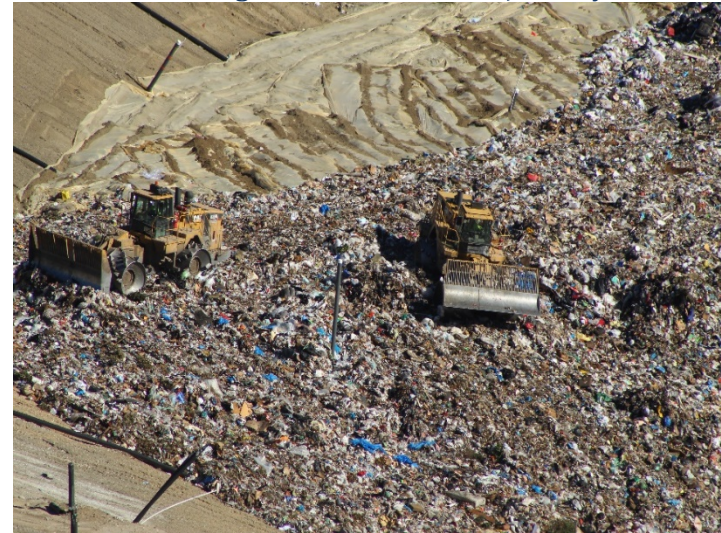
**Photo 61: Working Area, CC-4 Part 4A: January 11, 2022**



**Photo 62: Working Area, CC-4 Part 4A: January 11, 2022**



**Photo 63: Working Area, CC-4 Part 4A: January 11, 2022**



**Photo 64: Working Area, CC-4 Part 4A: January 11, 2022**





**Photo 65: Working Area, CC-4 Part 4A: January 11, 2022**



**Photo 66: Working Area, CC-4 Part 4A: January 11, 2022**



**Photo 67: Working Area, CC-4 Part 4A: January 11, 2022**



**Photo 68: Working Area, CC-4 Part 4A: January 11, 2022**





**Photo 69: Working Area, CC-4 Part 4A: January 11, 2022**



**Photo 70: Working Area, CC-4 Part 4A: January 11, 2022**



**Photo 71: Working Area, CC-4 Part 4A: January 11, 2022**



**Photo 72: Working Area, CC-4 Part 4A: February 16, 2022**





**Photo 73: Working Area, CC-4 Part 4A: February 16, 2022**



**Photo 74: Working Area, CC-4 Part 4A: February 16, 2022**



**Photo 75: Working Area, CC-4 Part 4A: February 16, 2022**



**Photo 76: Working Area, CC-4 Part 4A: February 16, 2022**





**Photo 77: Working Area, CC-4 Part 4A: February 16, 2022**



**Photo 78: Working Area, CC-4 Part 4A: February 16, 2022**



**Photo 79: Working Area, CC-4 Part 4A: February 16, 2022**



**Photo 80: Working Area, CC-4 Part 4A: February 16, 2022**





**Photo 81: Working Area, CC-4 Part 4A: February 16, 2022**



**Photo 82: Working Area, CC-4 Part 4A: February 16, 2022**



**Photo 83: Working Area, CC-4 Part 4A: February 16, 2022**



**Photo 84: Working Area, CC-4 Part 4A: February 16, 2022**





**Photo 85: Working Area, CC-4 Part 4A: February 16, 2022**



**Photo 86: Working Area, CC-4 Part 4A: February 16, 2022**



**Photo 87: Working Area, CC-4 Part 4A: March 7, 2022**



**Photo 88: Working Area, CC-4 Part 4A: March 7, 2022**





**Photo 89: Working Area, CC-4 Part 4A: March 7, 2022**



**Photo 91: Working Area, CC-4 Part 4A: March 7, 2022**



**Photo 90: Working Area, CC-4 Part 4A: March 7, 2022**



**Photo 92: Closure Turf: January 11, 2022**





**Photo 93: Closure Turf: January 11, 2022**



**Photo 94: Closure Turf: January 11, 2022**



**Photo 95: Closure Turf: January 11, 2022**



**Photo 96: Closure Turf: January 11, 2022**





**Photo 97: Closure Turf: January 11, 2022**



**Photo 98: Closure Turf: January 11, 2022**



**Photo 99: Closure Turf: February 16, 2022**



**Photo 100: Closure Turf: February 16, 2022**





**Photo 101: Closure Turf: February 16, 2022**



**Photo 102: Office and Sales Location: January 11, 2022**



**Photo 103: Office and Sales Location: January 11, 2022**



**Photo 104: Office and Sales Location: January 11, 2022**





**Photo 105: Office and Sales Location: January 11, 2022**



**Photo 106: Office and Sales Location: January 11, 2022**



**Photo 107: Office and Sales Location: January 11, 2022**



**Photo 108: Office and Sales Location: January 11, 2022**





**Photo 109: Office and Sales Location: January 11, 2022**



**Photo 110: Office and Sales Location: January 11, 2022**



**Photo 111: Office and Sales Location: January 11, 2022**



**Photo 112: Office and Sales Location: February 16, 2022**





**Photo 113: Office and Sales Location: February 16, 2022**



**Photo 114: Office and Sales Location: February 16, 2022**



**Photo 115: Office and Sales Location: February 16, 2022**



**Photo 116: Office and Sales Location: February 16, 2022**





**Photo 117: Office and Sales Location: February 16, 2022**



**Photo 118: Office and Sales Location: February 16, 2022**



**Photo 119: Office and Sales Location: February 16, 2022**



**Photo 120: Office and Sales Location: February 16, 2022**





**Photo 121: Office and Sales Location: March 7, 2022**



**Photo 122: Office and Sales Location: March 7, 2022**



**Photo 123: Office and Sales Location: March 7, 2022**



**Photo 124: Office and Sales Location: March 7, 2022**

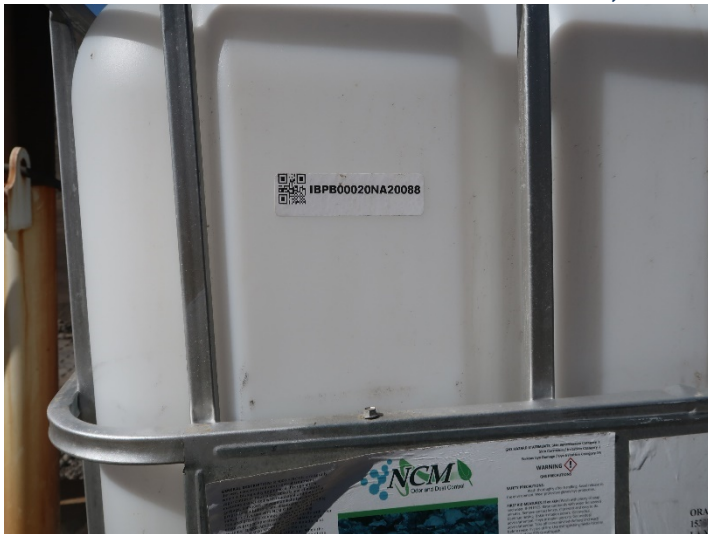




**Photo 125: Office and Sales Location: March 7, 2022**



**Photo 126: Office and Sales Location: March 7, 2022**



**Photo 127: Office and Sales Location: March 7, 2022**



**Photo 128: Office and Sales Location: March 7, 2022**





**Photo 129: Office and Sales Location: March 7, 2022**



**Photo 130: Office and Sales Location: March 7, 2022**



**Photo 131: Alder Tank Liquids Treatment System:  
January 11, 2022**



**Photo 132: Alder Tank Liquids Treatment System:  
January 11, 2022**





**Photo 133: Alder Tank Liquids Treatment System:  
January 11, 2022**



**Photo 134: Alder Tank Liquids Treatment System:  
January 11, 2022**



**Photo 135: Alder Tank Liquids Treatment System:  
January 11, 2022**



**Photo 136: Alder Tank Liquids Treatment System:  
February 16, 2022**





**Photo 137: Alder Tank Liquids Treatment System:  
February 16, 2022**



**Photo 138: Alder Tank Liquids Treatment System:  
February 16, 2022**



**Photo 139: Alder Tank Liquids Treatment System:  
February 16, 2022**



**Photo 140: Alder Tank Liquids Treatment System:  
February 16, 2022**





**Photo 141: Alder Tank Liquids Treatment System:  
February 16, 2022**



**Photo 142: Alder Tank Liquids Treatment System:  
February 16, 2022**



**Photo 143: Alder Tank Liquids Treatment System:  
February 16, 2022**



**Photo 144: Alder Tank Liquids Treatment System:  
February 16, 2022**





**Photo 145: Alder Tank Liquids Treatment System:  
February 16, 2022**



**Photo 146: Alder Tank Liquids Treatment System:  
March 7, 2022**



**Photo 147: Alder Tank Liquids Treatment System:  
March 7, 2022**



**Photo 148: Alder Tank Liquids Treatment System:  
March 7, 2022**





**Photo 149: County Sage Mitigation Area and Westside Drainage Channels: January 11, 2022**



**Photo 150: County Sage Mitigation Area and Westside Drainage Channels: January 11, 2022**



**Photo 151: County Sage Mitigation Area and Westside Drainage Channels: January 11, 2022**



**Photo 152: County Sage Mitigation Area and Westside Drainage Channels: February 16, 2022**





**Photo 153: County Sage Mitigation Area and Westside Drainage Channels: February 16, 2022**



**Photo 154: County Sage Mitigation Area and Westside Drainage Channels: February 16, 2022**



**Photo 155: County Sage Mitigation Area and Westside Drainage Channels: February 16, 2022**



**Photo 156: County Sage Mitigation Area and Westside Drainage Channels: February 16, 2022**





**Photo 157: County Sage Mitigation Area and Westside Drainage Channels: February 16, 2022**



**Photo 158: County Sage Mitigation Area and Westside Drainage Channels: February 16, 2022**



**Photo 159: County Sage Mitigation Area and Westside Drainage Channels: February 16, 2022**



**Photo 160: County Sage Mitigation Area and Westside Drainage Channels: February 16, 2022**





**Photo 161: County Sage Mitigation Area and Westside Drainage Channels: February 16, 2022**



**Photo 162: County Sage Mitigation Area and Westside Drainage Channels: February 16, 2022**



**Photo 163: County Sage Mitigation Area and Westside Drainage Channels: February 16, 2022**



**Photo 164: County Sage Mitigation Area and Westside Drainage Channels: February 16, 2022**

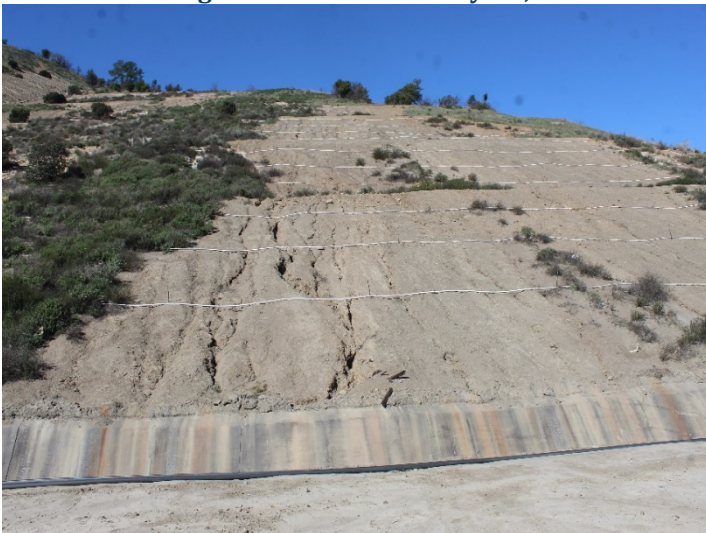




**Photo 165: County Sage Mitigation Area and Westside Drainage Channels: February 16, 2022**



**Photo 166: County Sage Mitigation Area and Westside Drainage Channels: February 16, 2022**



**Photo 167: County Sage Mitigation Area and Westside Drainage Channels: February 16, 2022**



**Photo 168: County Sage Mitigation Area and Westside Drainage Channels: February 16, 2022**

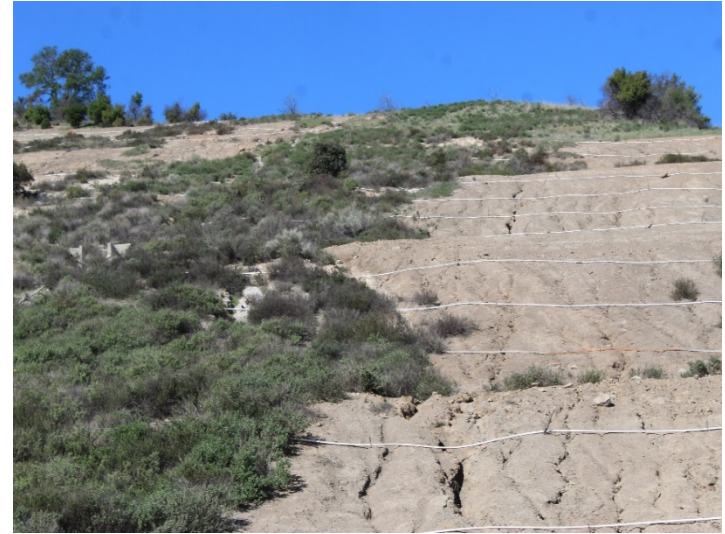




**Photo 169: County Sage Mitigation Area and Westside Drainage Channels: February 16, 2022**



**Photo 171: County Sage Mitigation Area and Westside Drainage Channels: February 16, 2022**



**Photo 170: County Sage Mitigation Area and Westside Drainage Channels: February 16, 2022**



**Photo 172: County Sage Mitigation Area and Westside Drainage Channels: February 16, 2022**





**Photo 173: County Sage Mitigation Area and Westside Drainage Channels: February 16, 2022**



**Photo 174: County Sage Mitigation Area and Westside Drainage Channels: March 7, 2022**



**Photo 175: County Sage Mitigation Area and Westside Drainage Channels: March 7, 2022**



**Photo 176: County Sage Mitigation Area and Westside Drainage Channels: March 7, 2022**





**Photo 177: Basin D: February 16, 2022**



**Photo 178: Basin D: February 16, 2022**



**Photo 179: Basin D: February 16, 2022**



**Photo 180: Basin D: February 16, 2022**





**Photo 181: Basin D Material Storage Area: February 16, 2022**



**Photo 182: Flares 9, 10, 11 and Gas-to-Energy Facility: January 11, 2022**



**Photo 183: Flares 9, 10, 11 and Gas-to-Energy Facility: January 11, 2022**



**Photo 184: Flares 9, 10, 11 and Gas-to-Energy Facility: January 11, 2022**





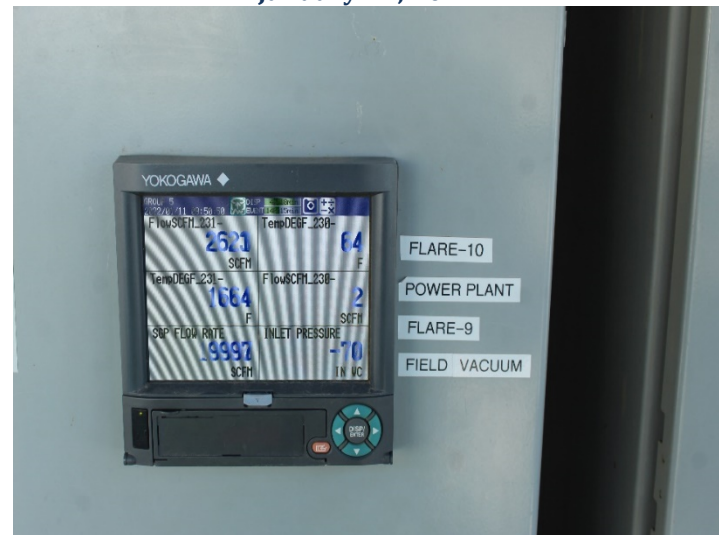
**Photo 185: Flares 9, 10, 11 and Gas-to-Energy Facility:  
January 11, 2022**



**Photo 186: Flares 9, 10, 11 and Gas-to-Energy Facility:  
January 11, 2022**

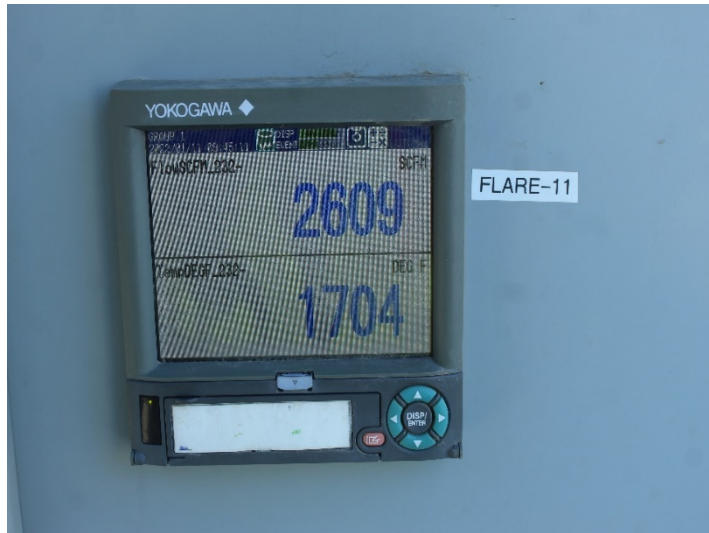


**Photo 187: Flares 9, 10, 11 and Gas-to-Energy Facility:  
January 11, 2022**



**Photo 188: Flares 9, 10, 11 and Gas-to-Energy Facility:  
January 11, 2022**

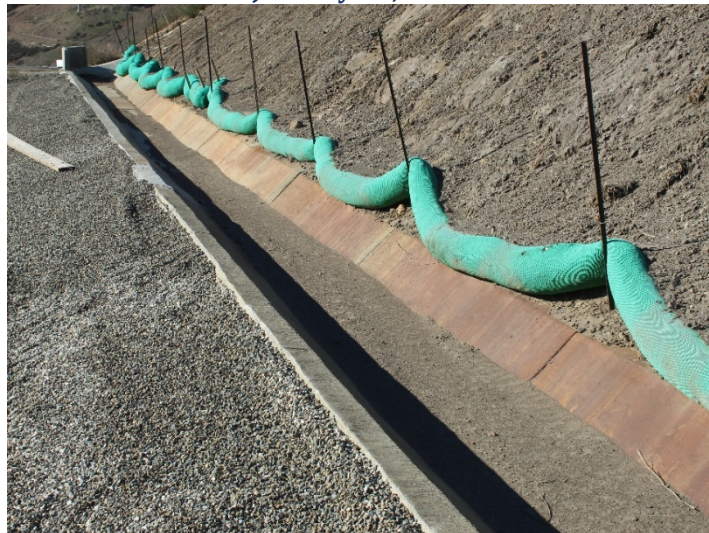




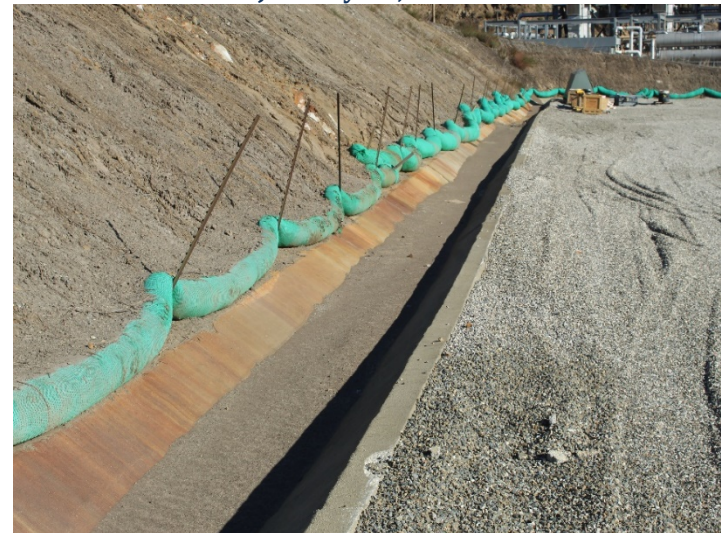
**Photo 189: Flares 9, 10, 11 and Gas-to-Energy Facility:  
January 11, 2022**



**Photo 190: Flares 9, 10, 11 and Gas-to-Energy Facility:  
January 11, 2022**



**Photo 191: Flares 9, 10, 11 and Gas-to-Energy Facility:  
January 11, 2022**



**Photo 192: Flares 9, 10, 11 and Gas-to-Energy Facility:  
January 11, 2022**





**Photo 193: Flares 9, 10, 11 and Gas-to-Energy Facility:  
January 11, 2022**



**Photo 194: Flares 9, 10, 11 and Gas-to-Energy Facility:  
January 11, 2022**



**Photo 195: Flares 9, 10, 11 and Gas-to-Energy Facility:  
January 11, 2022**

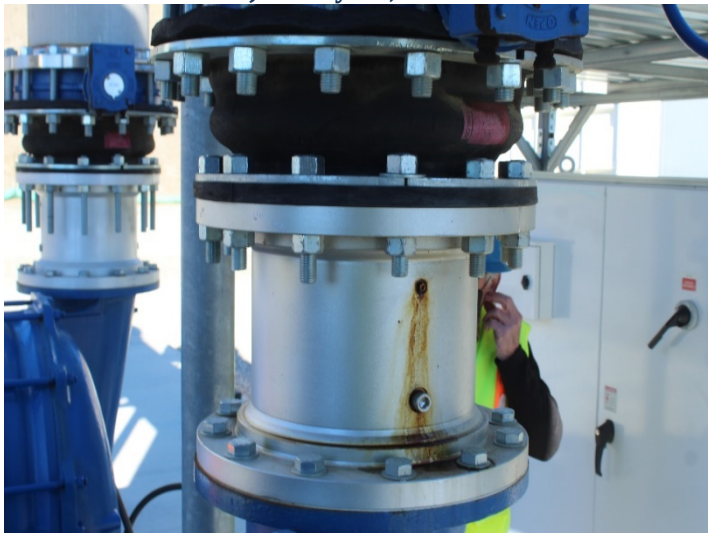


**Photo 196: Flares 9, 10, 11 and Gas-to-Energy Facility:  
January 11, 2022**





**Photo 197: Flares 9, 10, 11 and Gas-to-Energy Facility:  
January 11, 2022**



**Photo 199: Flares 9, 10, 11 and Gas-to-Energy Facility:  
January 11, 2022**



**Photo 198: Flares 9, 10, 11 and Gas-to-Energy Facility:  
January 11, 2022**



**Photo 200: Flares 9, 10, 11 and Gas-to-Energy Facility:  
February 16, 2022**



**Photo 201: Flares 9, 10, 11 and Gas-to-Energy Facility:  
February 16, 2022**



**Photo 202: Flares 9, 10, 11 and Gas-to-Energy Facility:  
February 16, 2022**



**Photo 203: Flares 9, 10, 11 and Gas-to-Energy Facility:  
February 16, 2022**



**Photo 204: Flares 9, 10, 11 and Gas-to-Energy Facility:  
February 16, 2022**





**Photo 205: Flares 9, 10, 11 and Gas-to-Energy Facility:  
February 16, 2022**



**Photo 206: Flares 9, 10, 11 and Gas-to-Energy Facility:  
February 16, 2022**

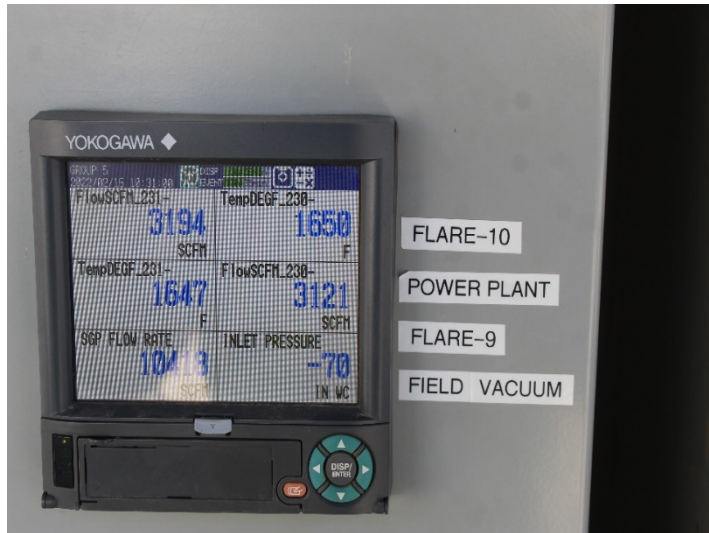


**Photo 207: Flares 9, 10, 11 and Gas-to-Energy Facility:  
February 16, 2022**



**Photo 208: Flares 9, 10, 11 and Gas-to-Energy Facility:  
February 16, 2022**





**Photo 209: Flares 9, 10, 11 and Gas-to-Energy Facility:  
February 16, 2022**



**Photo 210: Flares 9, 10, 11 and Gas-to-Energy Facility:  
February 16, 2022**



**Photo 211: Flares 9, 10, 11 and Gas-to-Energy Facility:  
February 16, 2022**



**Photo 212: Flares 9, 10, 11 and Gas-to-Energy Facility:  
February 16, 2022**

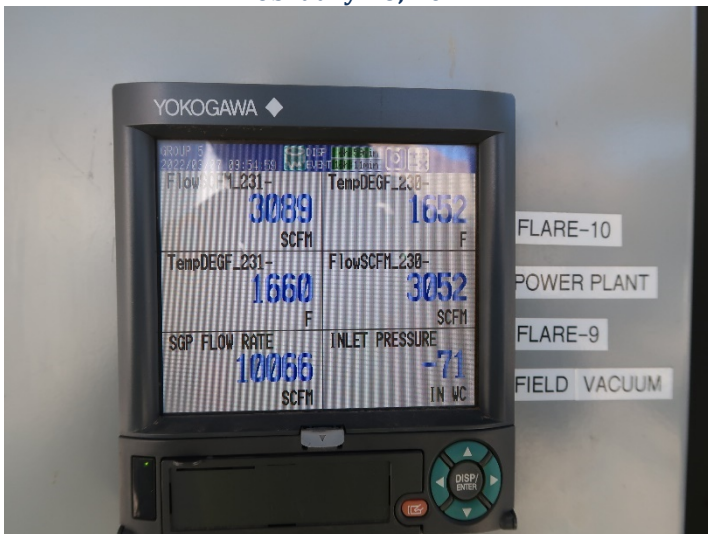




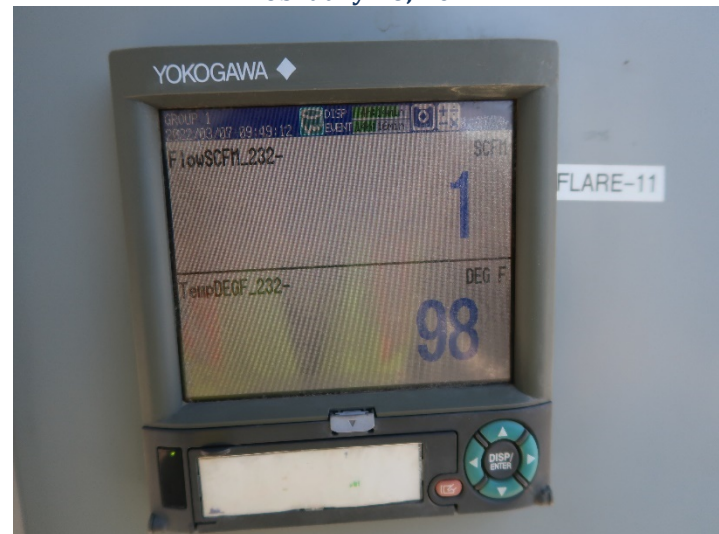
**Photo 213: Flares 9, 10, 11 and Gas-to-Energy Facility:  
February 16, 2022**



**Photo 214: Flares 9, 10, 11 and Gas-to-Energy Facility:  
February 16, 2022**



**Photo 215: Flares 9, 10, 11 and Gas-to-Energy Facility:  
March 7, 2022**



**Photo 216: Flares 9, 10, 11 and Gas-to-Energy Facility:  
March 7, 2022**





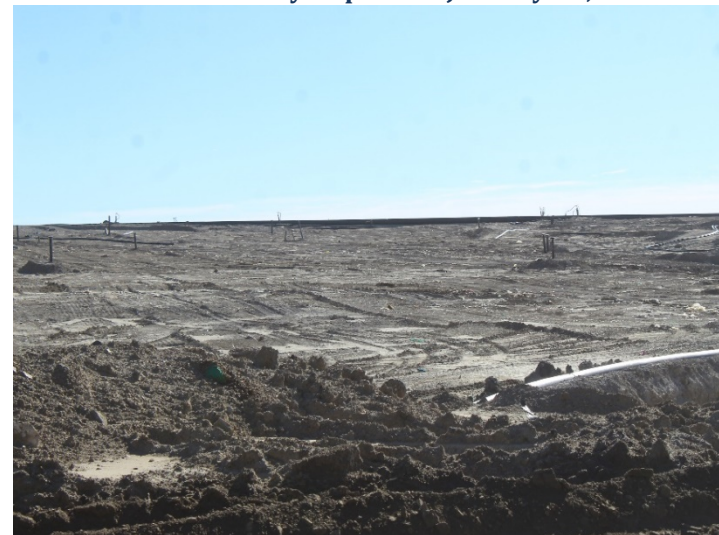
**Photo 217: County Top Deck: January 11, 2022**



**Photo 218: County Top Deck: January 11, 2022**



**Photo 219: County Top Deck: January 11, 2022**



**Photo 220: County Top Deck: January 11, 2022**





**Photo 221: County Top Deck: January 11, 2022**



**Photo 222: County Top Deck: January 11, 2022**



**Photo 223: County Top Deck: January 11, 2022**



**Photo 224: County Top Deck: January 11, 2022**





**Photo 225: County Top Deck: January 11, 2022**



**Photo 226: County Top Deck: January 11, 2022**



**Photo 227: County Top Deck: January 11, 2022**



**Photo 228: County Top Deck: January 11, 2022**





**Photo 229: County Top Deck: January 11, 2022**



**Photo 230: County Top Deck: January 11, 2022**



**Photo 231: County Top Deck: January 11, 2022**



**Photo 232: County Top Deck: February 16, 2022**





**Photo 233: County Top Deck: February 16, 2022**



**Photo 234: County Top Deck: February 16, 2022**



**Photo 235: County Top Deck: February 16, 2022**



**Photo 236: County Top Deck: February 16, 2022**





**Photo 237: County Top Deck: February 16, 2022**



**Photo 239: County Top Deck: February 16, 2022**



**Photo 238: County Top Deck: February 16, 2022**



**Photo 240: County Top Deck: February 16, 2022**





**Photo 241: County Top Deck: February 16, 2022**



**Photo 242: County Top Deck: February 16, 2022**



**Photo 243: County Top Deck: February 16, 2022**



**Photo 244: County Top Deck: February 16, 2022**





**Photo 245: County Top Deck: February 16, 2022**



**Photo 246: County Top Deck: February 16, 2022**



**Photo 247: County Top Deck: February 16, 2022**



**Photo 248: County Top Deck: March 7, 2022**





**Photo 249: County Top Deck: March 7, 2022**



**Photo 250: County Top Deck: March 7, 2022**



**Photo 251: County Top Deck: March 7, 2022**



**Photo 252: County Top Deck: March 7, 2022**





**Photo 253: County Top Deck: March 7, 2022**



**Photo 254: County Top Deck: March 7, 2022**



**Photo 255: County Top Deck: March 7, 2022**



**Photo 256: County Top Deck: March 7, 2022**





**Photo 257: Basin B: January 11, 2022**



**Photo 258: Basin B: January 11, 2022**



**Photo 259: Basin B: January 11, 2022**



**Photo 260: Basin B: January 11, 2022**





**Photo 261: Basin B: January 11, 2022**



**Photo 262: Basin B: January 11, 2022**



**Photo 263: Basin B: January 11, 2022**



**Photo 264: Basin B: January 11, 2022**





**Photo 265: Basin B: January 11, 2022**



**Photo 266: Basin B: February 16, 2022**



**Photo 267: Basin B: February 16, 2022**



**Photo 268: Basin B: February 16, 2022**





**Photo 269: Basin B: February 16, 2022**



**Photo 270: Basin B: February 16, 2022**



**Photo 271: Basin B: February 16, 2022**



**Photo 272: Basin B: February 16, 2022**





**Photo 273: Basin B: February 16, 2022**



**Photo 274: Basin B: March 7, 2022**



**Photo 275: Basin B: March 7, 2022**



**Photo 276: Basin B: March 7, 2022**





**Photo 277: Basin B: March 7, 2022**



**Photo 278: Basin B: March 7, 2022**



**Photo 279: Sage Mitigation, Deck B: March 7, 2022**



**Photo 280: Sage Mitigation, Deck B: March 7, 2022**





**Photo 281: Sage Mitigation, Deck B: March 7, 2022**



**Photo 282: Eastside Drainage Channel: January 11, 2022**



**Photo 283: Eastside Drainage Channel: January 11, 2022**



**Photo 284: Eastside Drainage Channel: February 16, 2022**





**Photo 285: Eastside Drainage Channel: February 16, 2022**



**Photo 286: Eastside Drainage Channel: February 16, 2022**



**Photo 287: Eastside Drainage Channel: February 16, 2022**



**Photo 288: Eastside Drainage Channel: February 16, 2022**





**Photo 289: Eastside Drainage Channel: February 16, 2022**



**Photo 290: Eastside Drainage Channel: February 16, 2022**



**Photo 291: Eastside Drainage Channel: February 16, 2022**



**Photo 292: Eastside Drainage Channel: February 16, 2022**





**Photo 293: Eastside Drainage Channel: February 16, 2022**



**Photo 294: Eastside Drainage Channel: February 16, 2022**



**Photo 295: Eastside Drainage Channel: February 16, 2022**



**Photo 296: Eastside Drainage Channel: February 16, 2022**





**Photo 297: Eastside Drainage Channel: February 16, 2022**



**Photo 298: Eastside Drainage Channel: February 16, 2022**



**Photo 299: Eastside Drainage Channel: March 7, 2022**



**Photo 300: Eastside Drainage Channel: March 7, 2022**





**Photo 301: Eastside Drainage Channel: March 7, 2022**



**Photo 302: Eastside Drainage Channel: March 7, 2022**



**Photo 303: Eastside Drainage Channel: March 7, 2022**

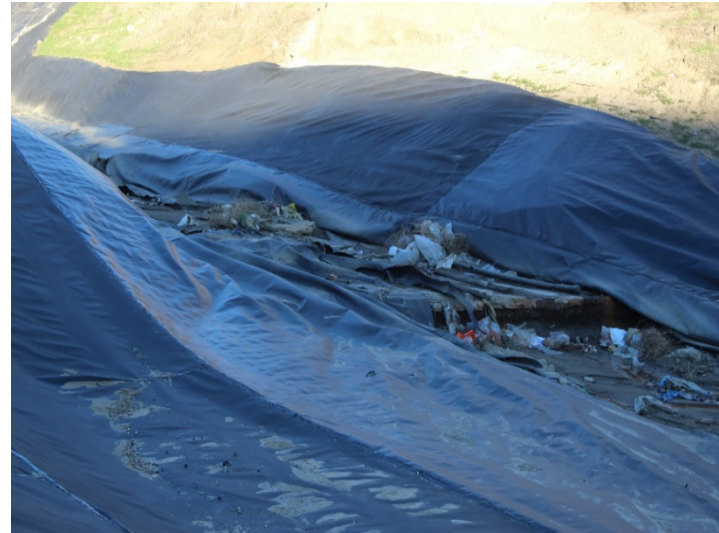


**Photo 304: Eastside Drainage Channel: March 7, 2022**





**Photo 305: Terminal Basin: January 11, 2022**



**Photo 306: Terminal Basin: January 11, 2022**



**Photo 307: Terminal Basin: January 11, 2022**



**Photo 308: Terminal Basin: January 11, 2022**





**Photo 309: Terminal Basin: January 11, 2022**



**Photo 310: Terminal Basin: January 11, 2022**



**Photo 311: Terminal Basin: January 11, 2022**



**Photo 312: Terminal Basin: January 11, 2022**





**Photo 313: Terminal Basin: January 11, 2022**



**Photo 314: Terminal Basin: January 11, 2022**



**Photo 315: Terminal Basin: January 11, 2022**



**Photo 316: Terminal Basin: January 11, 2022**





**Photo 317: Terminal Basin: January 11, 2022**



**Photo 318: Terminal Basin: January 11, 2022**



**Photo 319: Terminal Basin: January 11, 2022**



**Photo 320: Terminal Basin: January 11, 2022**





**Photo 321: Terminal Basin: January 11, 2022**



**Photo 322: Terminal Basin: January 11, 2022**



**Photo 323: Terminal Basin: January 11, 2022**



**Photo 324: Terminal Basin: February 16, 2022**





**Photo 325: Terminal Basin: February 16, 2022**



**Photo 326: Terminal Basin: February 16, 2022**



**Photo 327: Terminal Basin: February 16, 2022**



**Photo 328: Terminal Basin: February 16, 2022**





**Photo 329: Terminal Basin: February 16, 2022**



**Photo 330: Terminal Basin: February 16, 2022**



**Photo 331: Terminal Basin: February 16, 2022**



**Photo 332: Terminal Basin: February 16, 2022**





**Photo 333: Terminal Basin: February 16, 2022**



**Photo 334: Terminal Basin: February 16, 2022**



**Photo 335: Terminal Basin: February 16, 2022**



**Photo 336: Terminal Basin: February 16, 2022**





**Photo 337: Terminal Basin: February 16, 2022**



**Photo 338: Terminal Basin: February 16, 2022**



**Photo 339: Terminal Basin: February 16, 2022**



**Photo 340: Terminal Basin: February 16, 2022**





**Photo 341: Terminal Basin: February 16, 2022**



**Photo 342: Terminal Basin: February 16, 2022**



**Photo 343: Terminal Basin: February 16, 2022**



**Photo 344: Terminal Basin: February 16, 2022**





**Photo 345: Terminal Basin: February 16, 2022**



**Photo 346: Terminal Basin: February 16, 2022**



**Photo 347: Terminal Basin: February 16, 2022**



**Photo 348: Terminal Basin: March 7, 2022**





**Photo 349: Terminal Basin: March 7, 2022**



**Photo 350: Terminal Basin: March 7, 2022**



**Photo 351: Terminal Basin: March 7, 2022**



**Photo 352: Terminal Basin: March 7, 2022**





**Photo 353: Terminal Basin: March 7, 2022**



**Photo 354: Terminal Basin: March 7, 2022**



**Photo 355: Terminal Basin: March 7, 2022**



**Photo 356: Terminal Basin: March 7, 2022**





**Photo 357: Terminal Basin: March 7, 2022**



**Photo 358: Terminal Basin: March 7, 2022**



**Photo 359: Terminal Basin: March 7, 2022**



**Photo 360: Terminal Basin: March 7, 2022**





**Photo 361: Terminal Basin: March 7, 2022**



**Photo 362: Terminal Basin: March 7, 2022**



**Photo 363: Terminal Basin: March 7, 2022**



**Photo 364: Sage Mitigation, Deck C: January 11, 2022**





**Photo 365: Sage Mitigation, Deck C: January 11, 2022**



**Photo 366: Sage Mitigation, Deck C: January 11, 2022**



**Photo 367: Sage Mitigation, Deck C: January 11, 2022**



**Photo 368: Sage Mitigation, Deck C: January 11, 2022**





**Photo 369: Sage Mitigation, Deck C: February 16, 2022**



**Photo 370: Sage Mitigation, Deck C: February 16, 2022**



**Photo 371: Sage Mitigation, Deck C: February 16, 2022**



**Photo 372: Sage Mitigation, Deck C: February 16, 2022**





**Photo 373: Sage Mitigation, Deck C: February 16, 2022**



**Photo 374: Sage Mitigation, Deck C: February 16, 2022**



**Photo 375: Sage Mitigation, Deck C: February 16, 2022**



**Photo 376: Sage Mitigation, Deck C: February 16, 2022**





**Photo 377: Sage Mitigation, Deck C: February 16, 2022**



**Photo 379: Sage Mitigation, Deck C: February 16, 2022**



**Photo 378: Sage Mitigation, Deck C: February 16, 2022**



**Photo 380: Sage Mitigation, Deck C: February 16, 2022**





**Photo 381: Sage Mitigation, Deck C: February 16, 2022**



**Photo 383: Sage Mitigation, Deck B: January 11, 2022**



**Photo 382: Sage Mitigation, Deck B: January 11, 2022**



**Photo 384: Sage Mitigation, Deck B: January 11, 2022**





**Photo 385: Sage Mitigation, Deck B: January 11, 2022**



**Photo 387: Sage Mitigation, Deck B: January 11, 2022**



**Photo 386: Sage Mitigation, Deck B: January 11, 2022**



**Photo 388: Sage Mitigation, Deck B: February 16, 2022**





**Photo 389: Sage Mitigation, Deck B: February 16, 2022**



**Photo 390: Sage Mitigation, Deck B: February 16, 2022**



**Photo 391: Sage Mitigation, Deck B: February 16, 2022**



**Photo 392: Sage Mitigation, Deck B: February 16, 2022**





**Photo 393: Sage Mitigation, Deck B: February 16, 2022**



**Photo 394: Sage Mitigation, Deck B: February 16, 2022**



**Photo 395: Sage Mitigation, Deck B: February 16, 2022**



**Photo 396: Sage Mitigation, Deck B: February 16, 2022**





**Photo 397: Sage Mitigation, Deck B: February 16, 2022**



**Photo 398: Sage Mitigation, Deck B: February 16, 2022**



**Photo 399: Sage Mitigation, Deck B: February 16, 2022**



**Photo 400: Sage Mitigation, Deck B: February 16, 2022**





**Photo 401: Sage Mitigation, Deck B: February 16, 2022**



**Photo 402: Southern Ownership Buffer: February 16, 2022**



**Photo 403: Southern Ownership Buffer: February 16, 2022**



**Photo 404: Southern Ownership Buffer: February 16, 2022**





**Photo 405: General Site: January 11, 2022**



**Photo 406: General Site: January 11, 2022**



**Photo 407: General Site: January 11, 2022**



**Photo 408: General Site: January 11, 2022**

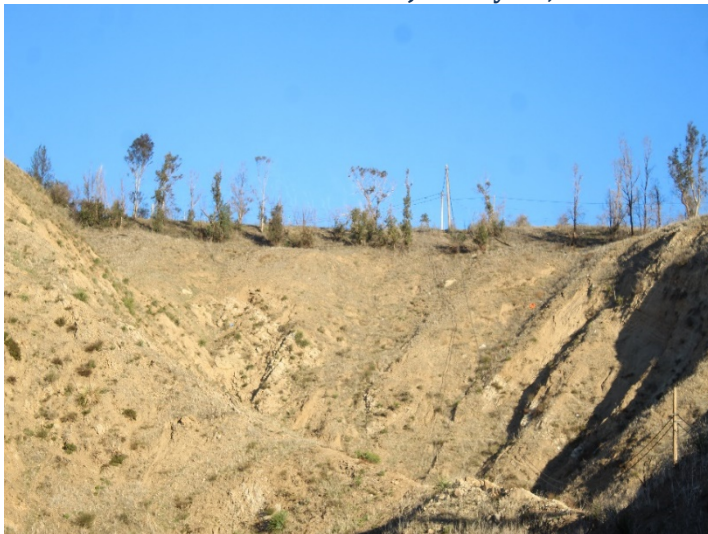




**Photo 409: General Site: January 11, 2022**



**Photo 410: General Site: January 11, 2022**



**Photo 411: General Site: January 11, 2022**



**Photo 412: General Site: January 11, 2022**





**Photo 413: General Site: January 11, 2022**



**Photo 414: General Site: January 11, 2022**



**Photo 415: General Site: January 11, 2022**



**Photo 416: General Site: January 11, 2022**





**Photo 417: General Site: January 11, 2022**



**Photo 419: General Site: January 11, 2022**



**Photo 418: General Site: January 11, 2022**



**Photo 420: General Site: January 11, 2022**





**Photo 421: General Site: January 11, 2022**



**Photo 422: General Site: January 11, 2022**



**Photo 423: General Site: January 11, 2022**



**Photo 424: General Site: January 11, 2022**





**Photo 425: General Site: January 11, 2022**



**Photo 426: General Site: January 11, 2022**



**Photo 427: General Site: January 11, 2022**



**Photo 428: General Site: January 11, 2022**





**Photo 429: General Site: January 11, 2022**



**Photo 430: General Site: January 11, 2022**



**Photo 431: General Site: January 11, 2022**



**Photo 432: General Site: January 11, 2022**





**Photo 433: General Site: January 11, 2022**



**Photo 434: General Site: January 11, 2022**



**Photo 435: General Site: January 11, 2022**



**Photo 436: General Site: January 11, 2022**





**Photo 437: General Site: February 16, 2022**



**Photo 438: General Site: February 16, 2022**



**Photo 439: General Site: February 16, 2022**



**Photo 440: General Site: February 16, 2022**





**Photo 441: General Site: February 16, 2022**



**Photo 442: General Site: February 16, 2022**



**Photo 443: General Site: February 16, 2022**



**Photo 444: General Site: February 16, 2022**





**Photo 445: General Site: February 16, 2022**



**Photo 446: General Site: February 16, 2022**



**Photo 447: General Site: February 16, 2022**



**Photo 448: General Site: February 16, 2022**





**Photo 449: General Site: February 16, 2022**



**Photo 450: General Site: February 16, 2022**



**Photo 451: General Site: February 16, 2022**



**Photo 452: General Site: February 16, 2022**





**Photo 453: General Site: February 16, 2022**



**Photo 454: General Site: February 16, 2022**



**Photo 455: General Site: February 16, 2022**



**Photo 456: General Site: February 16, 2022**





**Photo 457: General Site: February 16, 2022**



**Photo 458: General Site: February 16, 2022**



**Photo 459: General Site: February 16, 2022**



**Photo 460: General Site: February 16, 2022**





**Photo 461: General Site: February 16, 2022**



**Photo 462: General Site: February 16, 2022**



**Photo 463: General Site: February 16, 2022**



**Photo 464: General Site: February 16, 2022**





**Photo 465: General Site: February 16, 2022**



**Photo 466: General Site: February 16, 2022**



**Photo 467: General Site: February 16, 2022**



**Photo 468: General Site: February 16, 2022**





**Photo 469: General Site: February 16, 2022**



**Photo 471: General Site: February 16, 2022**



**Photo 470: General Site: February 16, 2022**

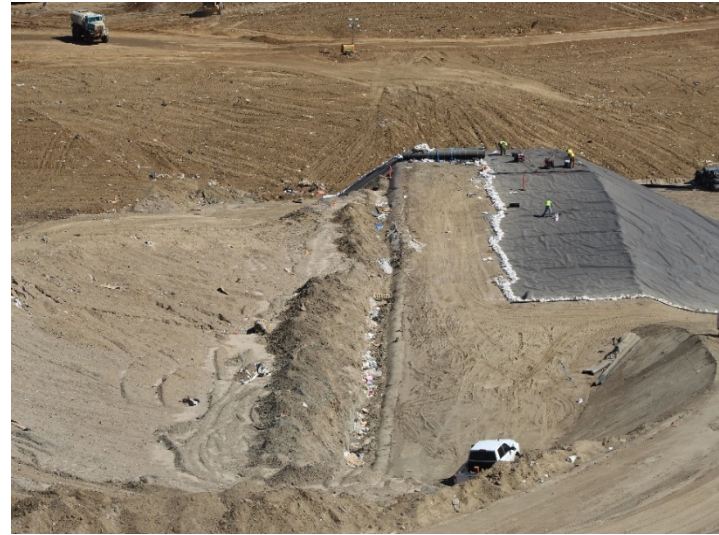


**Photo 472: General Site: February 16, 2022**





**Photo 473: General Site: February 16, 2022**



**Photo 474: General Site: February 16, 2022**



**Photo 475: General Site: February 16, 2022**



**Photo 476: General Site: February 16, 2022**





**Photo 477: General Site: February 16, 2022**



**Photo 478: General Site: February 16, 2022**



**Photo 479: General Site: February 16, 2022**



**Photo 480: General Site: February 16, 2022**





**Photo 481: General Site: February 16, 2022**



**Photo 482: General Site: February 16, 2022**



**Photo 483: General Site: February 16, 2022**



**Photo 484: General Site: February 16, 2022**





**Photo 485: General Site: February 16, 2022**



**Photo 486: General Site: February 16, 2022**



**Photo 487: General Site: February 16, 2022**



**Photo 488: General Site: February 16, 2022**





**Photo 489: General Site: February 16, 2022**



**Photo 490: General Site: February 16, 2022**



**Photo 491: General Site: February 16, 2022**



**Photo 492: General Site: February 16, 2022**





**Photo 493: General Site: February 16, 2022**



**Photo 494: General Site: February 16, 2022**



**Photo 495: General Site: February 16, 2022**



**Photo 496: General Site: March 7, 2022**



**Photo 497: General Site: March 7, 2022**



**Photo 498: General Site: March 7, 2022**



**Photo 499: General Site: March 7, 2022**



**Photo 500: General Site: March 7, 2022**





**Photo 501: General Site: March 7, 2022**



**Photo 502: General Site: March 7, 2022**



**Photo 503: General Site: March 7, 2022**



**Photo 504: General Site: March 7, 2022**





**Photo 505: General Site: March 7, 2022**



**Photo 506: General Site: March 7, 2022**



**Photo 507: General Site: March 7, 2022**



**Photo 508: General Site: March 7, 2022**





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**Photo 510: General Site: March 7, 2022**



**Photo 511: General Site: March 7, 2022**



**Photo 512: General Site: March 7, 2022**





**Photo 513: General Site: March 7, 2022**



**Photo 514: General Site: March 7, 2022**



**Photo 515: General Site: March 7, 2022**



**Photo 516: General Site: March 7, 2022**





**Photo 517: General Site: March 7, 2022**



**Photo 518: General Site: March 7, 2022**



**Photo 519: General Site: March 7, 2022**



**Photo 520: General Site: March 7, 2022**





**Photo 521: General Site: March 7, 2022**



**Photo 522: General Site: March 7, 2022**



**Photo 523: General Site: March 7, 2022**



**Photo 524: General Site: March 7, 2022**





**Photo 525: General Site: March 7, 2022**



**Photo 526: General Site: March 7, 2022**



**Photo 527: General Site: March 7, 2022**



**Photo 528: General Site: March 7, 2022**





**Photo 529: Road Realignment: January 11, 2022**



**Photo 530: Road Realignment: January 11, 2022**



**Photo 531: Road Realignment: January 11, 2022**



**Photo 532: Road Realignment: January 11, 2022**





**Photo 533: Road Realignment: January 11, 2022**



**Photo 535: Road Realignment: January 11, 2022**



**Photo 534: Road Realignment: January 11, 2022**



**Photo 536: Road Realignment: January 11, 2022**





**Photo 537: Road Realignment: January 11, 2022**



**Photo 538: Road Realignment: January 11, 2022**



**Photo 539: Road Realignment: January 11, 2022**



**Photo 540: Road Realignment: January 11, 2022**





**Photo 541: Road Realignment: January 11, 2022**



**Photo 542: Road Realignment: January 11, 2022**



**Photo 543: Road Realignment: January 11, 2022**



**Photo 544: Road Realignment: January 11, 2022**





**Photo 545: Road Realignment: January 11, 2022**



**Photo 546: Road Realignment: January 11, 2022**



**Photo 547: Road Realignment: January 11, 2022**



**Photo 548: Road Realignment: January 11, 2022**





**Photo 549: Road Realignment: January 11, 2022**



**Photo 550: Road Realignment: February 16, 2022**



**Photo 551: Road Realignment: February 16, 2022**



**Photo 552: Road Realignment: February 16, 2022**





**Photo 553: Road Realignment: February 16, 2022**



**Photo 555: Road Realignment: February 16, 2022**



**Photo 554: Road Realignment: February 16, 2022**



**Photo 556: Road Realignment: February 16, 2022**





**Photo 557: Road Realignment: February 16, 2022**



**Photo 559: Road Realignment: February 16, 2022**



**Photo 558: Road Realignment: February 16, 2022**



**Photo 560: Road Realignment: February 16, 2022**





**Photo 561: Road Realignment: February 16, 2022**



**Photo 562: Road Realignment: February 16, 2022**



**Photo 563: Road Realignment: February 16, 2022**



**Photo 564: Road Realignment: February 16, 2022**





**Photo 565: Road Realignment: February 16, 2022**



**Photo 566: Road Realignment: February 16, 2022**



**Photo 567: Road Realignment: February 16, 2022**



**Photo 568: Road Realignment: February 16, 2022**





**Photo 569: Road Realignment: February 16, 2022**



**Photo 570: Road Realignment: February 16, 2022**



**Photo 571: Road Realignment: February 16, 2022**



**Photo 572: Road Realignment: February 16, 2022**





**Photo 573: Road Realignment: February 16, 2022**



**Photo 574: Road Realignment: February 16, 2022**



**Photo 575: Road Realignment: February 16, 2022**



**Photo 576: Road Realignment: February 16, 2022**





**Photo 577: Road Realignment: March 7, 2022**



**Photo 578: Road Realignment: March 7, 2022**



**Photo 579: Road Realignment: March 7, 2022**



**Photo 580: PM-10 Oak Trees: January 11, 2022**





**Photo 581: PM-10 Oak Trees: January 11, 2022**



**Photo 582: PM-10 Oak Trees: January 11, 2022**



**Photo 583: PM-10 Oak Trees: January 11, 2022**



**Photo 584: PM-10 Oak Trees: January 11, 2022**





**Photo 585: PM-10 Oak Trees: February 16, 2022**



**Photo 586: PM-10 Oak Trees: February 16, 2022**



**Photo 587: PM-10 Oak Trees: February 16, 2022**



**Photo 588: PM-10 Oak Trees: February 16, 2022**





UltraSystems  
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# Appendix III

## Site Monitoring Procedures

### 2022 Q1

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

## **Sunshine Canyon Landfill Site Monitoring Procedures for January, February and March 2022**

To follow the CDC guidelines for COVID-19 health protocols and to comply with State, County and City restrictions, UltraSystems is extending the monitoring of the landfill to occur on one day each month during January through March 2022; 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 IV**

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

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# January 2022



**Sunshine Canyon Landfill  
November 23 and December 16, 2021 and January 11, 2022 Site Visits  
January 19, 2022 Site Monitoring Conference Call**

Site Visit Participants

November 23, 2021, Site Visit

Mike Lindsay and Amir Ayati, UltraSystems – Separate Vehicle  
James Aidukas, UltraSystems – Separate Vehicle  
Tarik Hadj-Hamou, SRK – Separate Vehicle  
Omid Mazdiasni, LACDPW – Separate Vehicle

December 16, 2021 Site Visit

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

January 11, 2022 Site Visit

Mike Lindsay, UltraSystems – Separate Vehicle  
James Aidukas, UltraSystems – Separate Vehicle

Because of COVID-19 restrictions scheduling and timing of site visits, a combination of the November and December 2021 and January 2022 site visits discussion items was done for the conference call on January 19, 2022.

Participants:

Chris Coyle, Valarie Moore and Kate Downey, Republic Services  
Edgar De La Torre and Diana Gonzalez, LACDRP  
David Nguyen, Mike Harmon and Vu Truong, LACDPW  
James Aidukas and Mike Lindsay, UltraSystems  
Tarik Hadj-Hamou, SRK

Site Visit Observations Discussion:

To follow CDC guidelines for COVID-19 health protocols, UltraSystems sent personnel in separate vehicles to perform a site visit to photograph site conditions and record site observations of the landfill. Edgar De La Torre and Diana Gonzalez also were in a separate vehicle. After reviewing the photos and observation record, a post-site visit conference call was held to discuss Sunshine Canyon Landfill operations and the status of construction, maintenance and compliance for the months of November, December and January. We asked questions regarding health measures, site operations, weather impacts, landfill gas and liquids control, construction activities and mitigation measures status. We received comments and updates from Republic staff as follows:

Discussion Topics After Reviewing Site Visit Photos

1. The adjacent neighborhood was monitored for odor between 7:00 to 8:00 a.m. on each visit day. There were no landfill odors detected. Balboa Boulevard near Woodley Avenue and Balboa Boulevard just before going down to San Fernando Road was monitored for roadway liquids odors. There were no liquids odors coming from the roadway.
  - Chris Coyle acknowledged the statement.
2. The DCOR oil field flare was burning production gas on each of the site visit days.
  - a.) Is DCOR not able to process and sell the gas?
    - Chris Coyle stated that if the flare shuts down then all the pumping stops in an effort to not create any odors or emissions.
  - b.) Are there any product gas odor complaints called into SCAQMD and attributed to landfill odors?
    - Chris Coyle stated that of the odors SCAQMD identified, none of them were sulfur.
3. The eucalyptus trees and mitigation oak trees in the 100-acre buffer area were recovering from the Saddleridge Fire.
  - Chris Coyle acknowledged the statement.
4. During all three visits, the leachate and condensate Alder tank liquids treatment system was observed, and no odors were detected, nor any operational concerns noted. In December, (Dec 16 Photo 3441) A roadway drain in the secondary containment area was covered with soil and was not draining. It was being worked on.
  - a.) How and where does this drain work since it is draining liquids inside the secondary containment area?
    - Chris Coyle stated that there is a valve that is shut all the time and it is opened when it rains to let the stormwater empty out.
5. The terminal basin was ready for rain in November. The rain events in November, December and January caused high flows into the basin and tore the HDPE liner protecting the portion of the basin's floor that had the concrete removed. During this period, there were water levels at the top of the outlet risers. (Dec 16 Photos 3418–3423)
  - a.) Was any sediment or debris discharged to Bull Creek?
    - Chris Coyle stated that there was no debris discharge and they have done both of their water samples for the first half of the rainy season.
  - b.) Did water get under the terminal basin's concrete floor?
    - Chris Coyle stated that the concrete floor is fine, there has been no lifting, and it is all intact and in good shape.
  - c.) Are the water extraction wells under the concrete floor being monitored and pumped?
    - Chris Coyle stated that there have been no issues with any monitoring points anywhere on the site.
  - d.) How is the debris that is now, in January, floating on top of the water going to be removed? (Dec 16 Photos 3428–3430)
    - Chris Coyle stated that they are dewatering with skimmers, and once it is dry and safe enough, they will have workers clean it out.



6. The westside HDPE-lined channels that flow into the terminal basin performed well. The eastside channel on the discharge side of Basin B was approximately 80% plugged with mud, debris and dead brush. The channel near the Edison substation was fully plugged with rock, mud and dead brush. This stopped all water flow from the Basin D eastside channel.
  - a.) Have these eastside channel plugged sections been noticed and clearing scheduled?
    - Chris Coyle acknowledged the statement
  - b.) The eastside channel has vegetation growing in cracks in the concrete. Has the maintenance of removing the vegetation been scheduled?
    - Chris Coyle acknowledged the statement
7. The paved employee access road was observed to have four, wide cracks and a hump across the road.
  - a.) Have geotechnical engineers seen this and evaluated what is happening?
    - Chris Coyle stated that Mark from GLA is keeping an eye on what is happening and it is not a concern at this time.
  - b.) Is the Old City North landfill moving?
    - Chris Coyle stated that once the toe berm is built, they can place trash to prevent movement.
8. The administration site's parking area's surface had ruts and depressions from use during the wet months.
  - a.) Will this be resurfaced with road base, or will it be paved?
    - Chris Coyle stated that they will not be paving it because they will only be there a few more years. They will just run a blade over it since it does not need more material.
9. (Dec 16 Photos 3466–3469) Basin B had most of the water drained out of it by January. There are two large piles of sediment in the center of the basin and a significant amount along the eastside walls. Vegetation was growing in the concrete cracks of the high flow outlet.
  - a.) Will any of this sediment be removed before October 2022?
    - Chris Coyle stated that they will have to evaluate as each rain event comes along to make sure they have enough capacity for the storm, and if they find they do not have enough capacity it will be addressed as-needed.
10. The Flare 9 through 11 Blower 5 is leaking landfill gas at possibly either a flange gasket or shaft seal.
  - a.) Has this blower been scheduled for repair to eliminate gas odors?
    - Kate Downey stated that the day after the January UltraSystems visit, the bearings on the blower were replaced which seems to have been the issue. Since then, there have not been any odors detected.
11. The County top deck's numerous deep depressions (holes) made by removing stockpiled soil were filled with water in December and January. Percolation into the County top deck trash could be a concern. Also seen was debris floating in the standing water in these depressions.
  - a.) How long will it take to pump out all of the water in the ponds?
    - Chris Coyle stated that all the water that could be pumped out has already been removed.
  - b.) Will these depressions be graded to drain further rain events?

- Chris Coyle stated that the plan is to get some fill up in that area during the spring and summer months in order to eliminate ponding for the next rainy season.
  - c.) Has any rise in leachate levels been detected?
    - Chris Coyle stated that there has only been the normal increase in leachate levels seen when there is a rain event.
- 12. In December, Basin A was filled to the top of the risers and the risers were covered with HDPE to stop water discharging to the westside channel.
  - a.) Why was this done?
    - Chris Coyle stated that this was done to avoid water from going into the cell development construction project.
- 13. The PM-10 berm oak trees had many dead trees that have not recovered from the fire. The Big Cone Fir tree mitigation area had some dead trees.
  - a.) When will the yearly tree report show the mitigation tree count and condition be issued?
    - Kate Downey stated that the yearly tree report should be completed by mid-February at the latest.
- 14. In November, two early-morning site visits were performed. At each visit, the Saturday ADC was not covered due to a shortage of import soil. In January, there were five large areas of ADC not covered on Tuesday.
  - a.) Is cover soil importation a problem?
    - Chris Coyle stated that cover soil is not much of a problem anymore, but the recent delay is due to the rain.
  - b.) Has more soil importation been approved?
    - Chris Coyle stated that they have a discussion with the County coming up regarding an approval for importing extra soil.
  - c.) Is not covering on Saturday been approved so that ADC can be uncovered for a longer period of time?
    - Chris Coyle stated that that they have a discussion with the County coming up about getting compliance for soil cover on Saturdays.
- 15. The future, rough-graded access road had erosion rills from the December and January rain events in the area from the current road to the new basin. In January, the new basin had sidewalls and floor concrete completed. The slopes above the basin had concrete slope V-ditches and downcomers constructed. The new roadway was not being worked on.
  - a.) Has the discharge piping from the basin been completed? Where will it discharge?
    - Chris Coyle stated that he does not know the answer to that, but that it drains to the terminal basin eventually.
  - b.) Where will the hillside slope facing San Fernando Road drain to?
    - Chris Coyle stated that the hillside slope drains downward, and that they had a meeting with SoCalGas to determine where the drainage terminates. They are working on a solution for it.
  - c.) Does the new road need soil importation to be constructed? If so, is it available?
    - Chris Coyle stated that they feel confident they can get the soil they need, the only question is the timing.



- d.) Has the drainage system of the whole site been reviewed by design engineers and calculations performed?
  - Chris Coyle stated that every time they touch the drainage channels, they redo the calculations for the entire site to make sure they are within compliance.
- e.) When will the final toe berm construction start? Is soil available for the construction?
  - Chris Coyle stated that the toe berm will go in at the same time as the engineered fill for the new access road.

#### Site Operations

1. Were there any notices of violation (NOVs) issued in November or December 2021 and January 2022?
  - Chris Coyle stated that there were no NOVs issued in November 2021 or December 2021. There were two odor NOVs in January; one on January 3, 2022 and another on January 13, 2022 from SCAQMD for nuisance odors.
2. Were there any operational complaints in November or December 2021 and January 2022?
  - Chris Coyle stated that there were no operational complaints.

#### Site Visit Comments from Mike Lindsay

- Mike Lindsay reviewed statements made in the MMSRF site reports.

The conference call concluded.

Sunshine Canyon Landfill  
November 23 and December 16, 2021 and January 11, 2022 Site Visits  
Conference Call Discussion Items

Site Visit Participants

November 23, 2021, Site Visit

Mike Lindsay and Amir Ayati, UltraSystems – Separate Vehicle  
James Aidukas, UltraSystems – Separate Vehicle  
Tarik Hadj-Hamou, SRK – Separate Vehicle  
Omid Mazdiyasni, LACDPW – Separate Vehicle

December 16, 2021 Site Visit

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

January 11, 2022 Site Visit

Mike Lindsay, UltraSystems – Separate Vehicle  
James Aidukas, UltraSystems – Separate Vehicle

Because of COVID-19 restrictions scheduling and timing of site visits, a combination of the November and December 2021 and January 2022 site visits discussion items was done for the conference call on January 19, 2022.

Discussion Topics After Reviewing Site Visit Photos

1. The adjacent neighborhood was monitored for odor between 7:00 to 8:00 a.m. on each visit day. There were no landfill odors detected. Balboa Boulevard near Woodley Avenue and Balboa Boulevard just before going down to San Fernando Road was monitored for roadway liquids odors. There were no liquids odors coming from the roadway.
2. The DCOR oil field flare was burning production gas on each of the visit days.
  - a.) Is DCOR not able to process and sell the gas?
  - b.) Are there any product gas odors called in to SCAQMD and attributed to landfill odors?
3. The eucalyptus trees and mitigation oak trees and eucalyptus trees in the 100-acre buffer area were recovering from the Saddleridge Fire.
4. During all three visits, the leachate and condensate Alder tank liquids treatment system was observed, and no odors were detected, nor any operational concerns noted. In December, (Dec 16 Photo 3441) A roadway drain in the secondary containment area was covered with soil and was not draining. It was being worked on.
  - a.) How and where does this drain work since it is draining liquids inside the secondary containment area?



5. The terminal basin was ready for rain in November. The rain events in November, December and January caused high flows into the basin and tore the HDPE liner protecting the portion of the basin's floor that had the concrete removed. During this period, there were water levels at the top of the outlet risers. (Dec 16 Photos 3418–3423)
  - a.) Was any sediment or debris discharged to Bull Creek?
  - b.) Did water get under the terminal basin's concrete floor?
  - c.) Are the water extraction wells under the concrete floor being monitored and pumped?
  - d.) How is the debris that is now, in January, floating on top of the water going to be removed? (Dec 16 Photos 3428–3430)
6. The westside HDPE-lined channels that flow into the terminal basin performed well. The eastside channel on the discharge side of Basin B was approximately 80% plugged with mud, debris and dead brush. The channel near the Edison substation was fully plugged with rock, mud and dead brush. This stopped all water flow from the Basin D eastside channel.
  - a.) Have these eastside channel plugged sections been noticed and clearing scheduled?
  - b.) The eastside channel has vegetation growing in cracks in the concrete. Has the maintenance of removing the vegetation been scheduled?
7. The paved employee access road was observed to have four, wide cracks and a hump across the road.
  - a.) Have geotechnical engineers seen this and evaluated what is happening?
  - b.) Is the Old City North landfill moving?
8. The administration site's parking area's surface had ruts and depressions from use during the wet months.
  - a.) Will this be resurfaced with road base, or will it be paved?
9. (Dec 16 Photos 3466–3469) Basin B had most of the water drained out of it by January. There are two large piles of sediment in the center of the basin and a significant amount along the eastside walls. Vegetation was growing in the concrete cracks of the high flow outlet.
  - a.) Will any of this sediment be removed before October 2022?
  - b.) When will the vegetation be scheduled for removal?
10. The Flare 9 through 11 Blower 5 is leaking landfill gas at possibly either a flange gasket or shaft seal.
  - a.) Has this blower been scheduled for repair to eliminate gas odors?
11. The County top deck's numerous deep depressions (holes) made by removing stockpiled soil were filled with water in December and January. Percolation into the County's top deck trash could be a concern. Also seen was debris floating in the standing water in these depressions.
  - a.) How long will it take to pump out all of the water in the ponds?
  - b.) Will these depressions be graded to drain further rain events?
  - c.) Has any rise in leachate levels been detected?
12. In December, Basin A was filled to the top of the risers and the risers were covered with HDPE to stop water discharging to the westside channel.

- a.) Why was this done?
13. The PM-10 berm oak trees had many dead trees that have not recovered from the fire. The Big Cone Fir tree mitigation area had some dead trees.
- a.) When will the yearly tree report show the mitigation tree count and condition be issued?
14. In November, two early-morning site visits were performed. At each visit, the Saturday ADC was not covered due to a shortage of import soil. In January, there were five large areas of ADC not covered on Tuesday.
- a.) Is cover soil importation a problem?
  - b.) Has more soil importation been approved?
  - c.) Is not covering on Saturday been approved so that ADC can be uncovered for a long period of time?
15. The future, rough graded, access road had erosion rills from the December and January rain events in the area from the current road to the new basin. In January, the new basin had sidewalls and floor concrete completed. The slopes above the basin had concrete slope V-ditches and downcomers constructed. The new roadway was not being worked on.
- a.) Has the discharge piping from the basin been completed? Where will it discharge?
  - b.) Where will the hillside slope facing San Fernando Road drain to?
  - c.) Does the new road need soil importation to be constructed? Is so, is it available?
  - d.) Has the drainage system of the whole site been reviewed by design engineers and calculations performed?
  - e.) When will the final toe berm construction start? Is soil available for the construction?

#### Site Operations

1. Were there any notices of violation (NOVs) issued in November or December 2021 and January 2022?
2. Were there any operational complaints in November or December 2021 and January 2022?

#### Site Visit Comments

To be discussed during conference call.





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G\_3194-Road Realignment.JF



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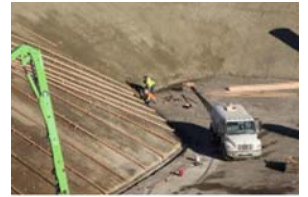
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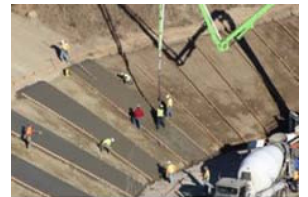
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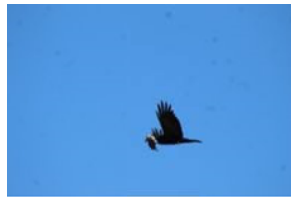
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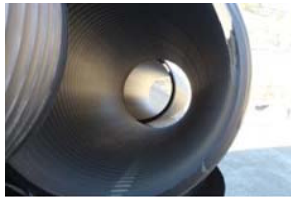
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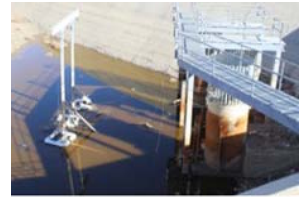
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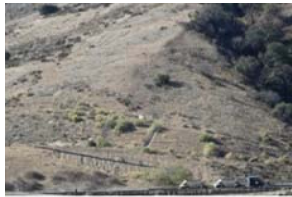


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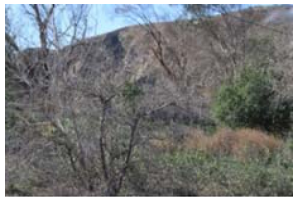
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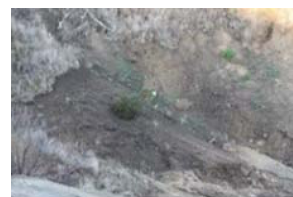
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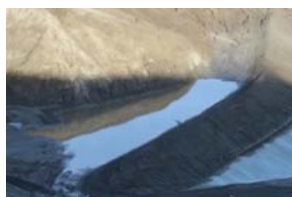
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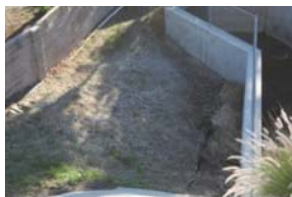
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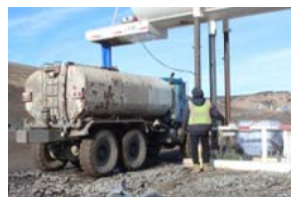
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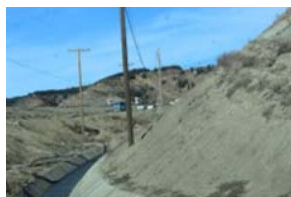


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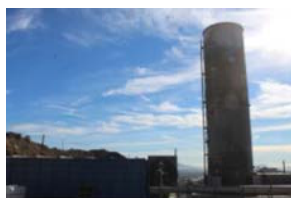
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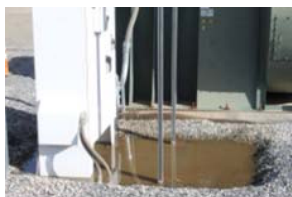
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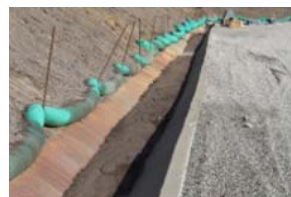
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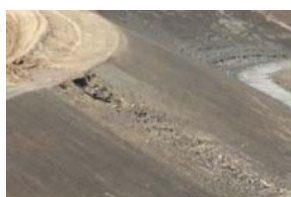
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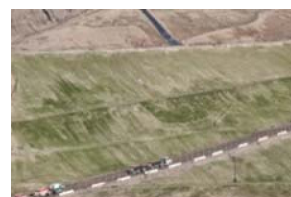
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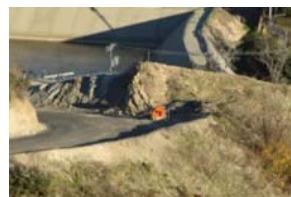
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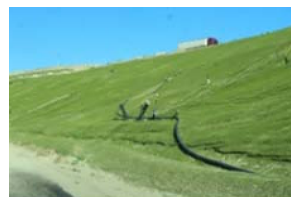
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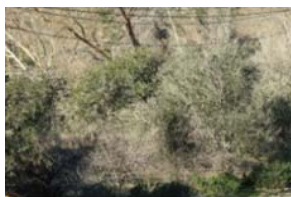




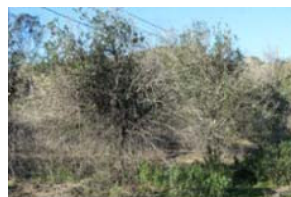
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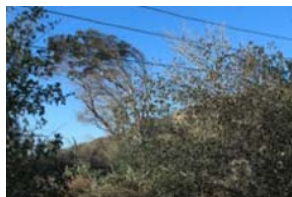
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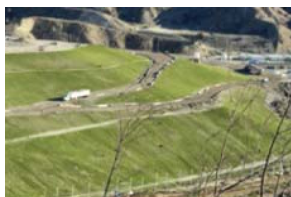
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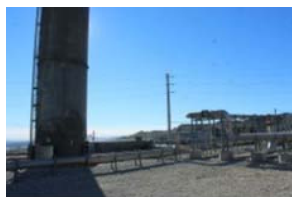


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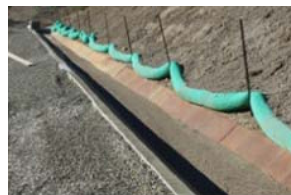
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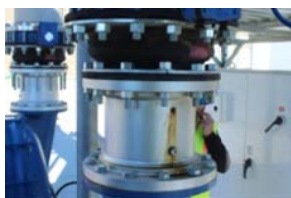
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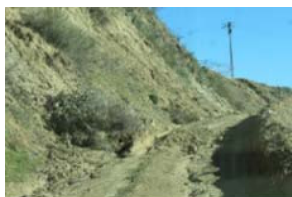
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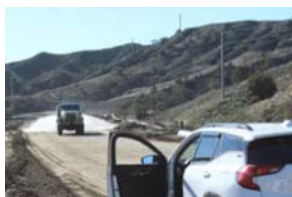


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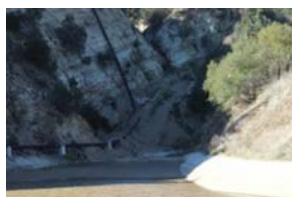
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IMG\_3809



**SUNSHINE CANYON LANDFILL  
MITIGATION MONITORING SITE REPORT**

Monitor: James Aidukas	Page: 1 of 2
Discipline: Project Manager	Date: 1/11/22
Site Conditions: Partly cloudy, 50-70° F, 10-35 MPH winds	
<b>SITE LOG</b>	
<p>Republic General Manager - Chris Coyle</p> <p>Drove the Granada Hills area near Woodley Avenue, the adjacent neighborhood, and school areas from 6:45 to 7:30 a.m. There were no landfill odors detected. There were also no roadway odors detected at Balboa and Woodley, nor at the transition down to San Fernando Road. Drove to the 100-acre buffer area. The southern fence gate was locked. The oil field pumpers and flare were operating, with the flare burning production gas. The access gate to City Deck C from the oil field road was not locked. Met with Mike Lindsay (UltraSystems). Mike Lindsay checked into the site via a phone call to Chris Coyle. We then proceeded to monitor the site in separate vehicles and observed the following:</p> <ul style="list-style-type: none"> <li>• There was wind blown dust coming from the new access road and adjacent graded areas.</li> <li>• The new basin and adjacent roadway and drainage improvements were observed. No road construction had occurred since last month. The only construction was in finishing the basin and v-ditches. The final approved construction drawings showing the roadway details to and over the final toe berm and connection to San Fernando Road and drainage discharge to Bull Creek was not available for review.</li> <li>• CalTrans grading and drainage improvements were done north of the 5 Freeway Balboa exit. The is just east of the Sunshine Canyon east external ridgeline.</li> <li>• The terminal basin had the water level up within two feet of the risers' top outlet. The skimmers were being used. The stagnant water had a layer of debris floating on it and the outlet channel had sediment and a minor amount of litter in it. The NDPE liner protecting the basin's dirt floor where the concrete was removed was torn from the prior month's high-water flow. There was a significant amount of litter and sediment where the NDPE liner was torn. The liner was not repaired. The NDPE lined inlet channels performed well.</li> <li>• The City Closure Turf was being maintained and was performing as designed.</li> <li>• Sage mitigation Decks C and B were being maintained and native vegetation was naturally reseeding and covering more areas.</li> <li>• The PM-10 mitigation oak trees were observed. There was no removal of dead trees and replacement activity.</li> <li>• The next cell in CC-4 was lined (possibly named CC-4 Part 5). The main perimeter access road was constructed at the final fill elevation around this cell.</li> </ul>	

Page 2 of 2, 1/11/22:

- CC-4 Part 3 and CC-4 Part 4A were active accepting waste. There were five areas of ADC that were not covered, possibly from lack of import soil.
- The paved employee access road has a section of the road with a deep crack in the upper area and a hump in the lower area. It appears to be on a section of old fill that is moving.
- The leachate and condensate Alder tank liquids treatment system was observed, and no odors were detected, nor any operational concerns noted.
- The eastside channel was free of sediment and debris and was flowing water. Vegetation was seen growing in the channel's concrete cracks.
- The administration site's parking area's surface needs to be re-graded and surface sealed after the rainy season.
- The truck scales exit ramp dirt road was muddy and slick. There were some potholes. Some road base or other remedy for this condition is needed.
- Basin B eastside outlet channel had mud, debris, and brush blocking the basin's outlet flow.
- Basin B had sediment piles and standing water in it. Some debris was floating on the water. A chemical drum was seen on some of the sediment near eastern native slopes.
- The County top deck's numerous deep depressions (holes) made by removing stockpiled soil were filled with water. There was debris floating in the standing water in these depressions. A pump was seen de-watering one pond.
- There was a landfill gas odor detected coming from blower number 5 at the Flare 9-11 site. A piping flange gasket or blower seal was leaking. The v-ditch at this site was filled with sediment.
- The Basin D drainage channel was totally blocked by soil, brush and vegetation, and debris as it enters the eastside channel near the Edison substation. There were two other areas north of Basin C where the channel's flow was plugged.
- Basin A was filled with water to the top of the risers and the risers were plugged with HDPE material to stop any outlet flow into the westside drainage channel.
- The County sage mitigation slopes were doing well where native plants were repopulating.

Flare Operating Conditions:

- Flare 1 – 1654°F, 1939 SCFM, 27% CH<sub>4</sub>, 1.1% O<sub>2</sub>, 94 ppm H<sub>2</sub>S
- Flare 3 – not operating
- Flare 9 – down for maintenance
- Flare 10 – 1664°F, 2623 SCFM
- Flare 11 – 1704°F, 2609 SCFM

The gas-to-energy plant was using 9,997 SCFM of recovered landfill gas, 39% CH<sub>4</sub>, 1.8% O<sub>2</sub>, 70 ppm H<sub>2</sub>S. The total volume of recovered landfill gas was 17,168 SCFM.

FURTHER REVIEW NEEDED

COMMENTS

Signed: 



**SUNSHINE CANYON LANDFILL  
MITIGATION MONITORING SITE REPORT**

Monitor: Mike Lindsay	Page: 1 of 2
Discipline: Environmental Engineer	Date: 01-11-2022 Tuesday
Site Conditions: Clear, 52–70 °F, S 12–32 mph, 21% RH, 31 AQI	
<b>SITE LOG</b>	
<ol style="list-style-type: none"> <li>1. Checked into office via phone with Chris Coyle (Republic Services).</li> <li>2. Jim Aidukas (UltraSystems) followed in separate vehicle to site locations.</li> <li>3. Wind measured 24.1 mph average and 29.3 mph max at admin area.</li> <li>4. Litter fences are effective at holding back wind-blown litter along main haul road.</li> <li>5. The oil field road perimeter gate is closed and locked.</li> <li>6. Observed construction work at the new entrance road realignment project area. The new concrete sediment basin has been completed. No water is present in basin from rains.</li> <li>7. The terminal basin has water filled to within two feet from top of the riser drains. Skimmers are operational. The temporary liner material placed on side slopes and floor has partially failed, with storm water having disrupted the liner material in several locations. Litter and debris are largely covering the water surface.</li> <li>8. The terminal basin outlet channel has some litter present. Water is steadily flowing out of basin from water draining via skimmers and vertical drains.</li> <li>9. The liner material placed at terminal basin inlet channels are intact.</li> <li>10. About 80 large rolls of liner material have been staged just west of City deck C.</li> <li>11. The closure turf at the City north slopes along the main haul road is in good order with no odors.</li> <li>12. Water misters are operating along main haul road at landfill entrance.</li> <li>13. City decks C, B and A sage mitigation areas are in good order.</li> <li>14. The PM-10 oak trees are in good condition, with some dead trees present.</li> <li>15. Water misters are operating along the southern perimeter.</li> <li>16. Observed overall landfill operations from the observation deck, including Cell CC-4 Part 3 operations; Cell CC-4 Part 4A; and closure turf along the City north slopes.</li> <li>17. Several areas of ADC-covered trash are present around cell CC-3 and CC-4, uncovered due to a lack of soil onsite.</li> <li>18. Wind measured 26.1 mph average and 37.2 mph max at the observation deck.</li> <li>19. Water trucks are applying water to the route that double dump trucks are taking as they import soil to restore section of haul road southeast of basin A.</li> <li>20. Flare 1 is operating at 1935 scfm, 1654 °F. Gas sample measured at 27 % Vol. CH<sub>4</sub>, 1.1 % Vol. O<sub>2</sub>, 94 ppm H<sub>2</sub>S and 324 ppm CO. Gas inlet temperature is 87 °F.</li> <li>21. The leachate and condensate Alder tank farm is in good order.</li> <li>22. No odors or leaks are present at the Alder tank farm.</li> <li>23. The admin and LEA facility are in good order.</li> <li>24. The scales are generally in good order, with some potholes present at exit ramps.</li> <li>25. The eastside drainage channel is in good order, mostly clear of sediment.</li> <li>26. Traffic spotters are onsite to control traffic.</li> <li>27. The admin facility and LEA offices are in good order.</li> <li>28. Sediment basin B has standing water and sediment covering floor due to rains.</li> <li>29. The bowl area by basin B is in good order, with no odors present.</li> <li>30. Water trucks are applying water to site for dust control.</li> <li>31. Flare 9 is offline.</li> </ol>	

32. Flare 10 is operating at 2623 scfm, 1664 °F. Gas inlet temperature is 115 °F. Gas sample measured at 39 % Vol. CH<sub>4</sub>, 1.8 % Vol. O<sub>2</sub>, 70 ppm H<sub>2</sub>S and 374 ppm CO. Blowers 1, 2, 3, 4, 5 and 6 are operating. Gas inlet temperature is 112 °F.
33. Flare 11 is operating at 2609 scfm, 1704 °F. Gas inlet temperature is 110 °F.
34. Perimeter drainage channel at flare pad is in good order, with sediment covering bottom of channel from rains.
35. The Sunshine Gas Producers facility is operating at 9,997 scfm.
36. Gas odors are present at the blower number 5 outlet flange.
37. The secondary access road by the flare pads has deep ruts and small dirt slides onto roadway due to rains.
38. The County top deck has many low spots with standing water from rains. Soil is being excavated for daily cover material.
39. The westside drainage channel is mostly clear of sediment.
40. Street sweepers are cleaning the haul roads.
41. The County sage mitigation slopes are in good order.
42. Sediment basin A has standing water to within three feet from top of the riser drains.
43. Water misters are operating along the west perimeter slopes.
44. Cell CC-4 Part 3 working area is in good order, with moving floor trucks and packer trucks unloading, and three tippers active. The ADC at the working face near the northwest end is 65% covered with new trash at 10:20 am.
45. Cell CC-4 Part 4A working area is in good order, with packer trucks unloading, and tippers active. The ADC at the working face is 85% covered with new trash at 10:30 am.
46. Flare 3 is offline.
47. Illegally-dumped trash and debris are still present along Sierra Highway near the I-14 overpass, including a mattress and construction materials.
48. Checked out of office with Chris Coyle via phone.

#### FURTHER REVIEW NEEDED

1. Remove litter from terminal basin outlet.
2. Cover exposed ADC as soil becomes available.
3. Repair blower number 5 outlet flange gas leak.
4. Re-grade the secondary access road.
5. Eliminate low spots at County top deck to avoid perched water after a large rain event.
6. Remove trash and debris along Sierra Highway.

Signed:





# February 2022

**Sunshine Canyon Landfill  
February 16, 2022 Site Visit  
March 2, 2022 Site Monitoring Conference Call**

Site Visit Participants

February 16, 2022 Site Visit

Mike Lindsay, UltraSystems – Separate Vehicle  
James Aidukas, UltraSystems – Separate Vehicle

Conference Call Participants

Chris Coyle, Tejinder Singh, Dennis Montano and Valorie Moore; Republic Services  
Claudia Rodriguez, Tim Fargo, Kristine Jegalian; LA City Planning  
Edgar De La Torre and Diana Gonzalez; LACDRP  
Mike Harmon, Omid Mazdidasni and Vu Truong; LACDPW  
James Aidukas and Mike Lindsay; UltraSystems

Site Visit Observations Discussion:

To follow CDC guidelines for COVID-19 health protocols, UltraSystems sent personnel in separate vehicles to perform a site visit to photograph site conditions and record site observations of the landfill. Edgar De La Torre and Diana Gonzalez also were in a separate vehicle. After reviewing the photos and observation record, a post-site visit conference call was held to discuss Sunshine Canyon Landfill operations and the status of construction, maintenance and compliance for the months of November, December and January. We asked questions regarding health measures, site operations, weather impacts, landfill gas and liquids control, construction activities and mitigation measures status. We received comments and updates from Republic staff as follows:

Discussion Topics After Reviewing Site Visit Photos

1. The adjacent neighborhood was monitored for odor between 7:00 to 7:45 a.m. There were no landfill odors detected. Balboa Boulevard near Woodley Avenue and Balboa Boulevard just before going down to San Fernando Road was monitored for roadway liquids odors. There were no liquids odors coming from the roadway.
  - Chris Coyle acknowledged the statement.
2. (Photos 2089, 2091, 2086) The oil field southern gate was locked. The oil pumping jacks were operating and the oil field flare was flaring production gas.
  - Chris Coyle acknowledged the statement.
3. (Photos 2095, 2098, 2100, 2102, 2104) The Old City North fill slope appears to be moving and has caused cracks and a hump in the employee access road pavement.
  - a.) Has the geotechnical consultant observed the road and hillside?
    - Chris Coyle stated that they will keep an eye on the road and hillside.
4. (Photos 2106, 2133, 2147, 2277, 2282, 2305, 2307, 2323) There are numerous areas that have litter due to the last six months' high wind conditions.



- a.) Has a plan with a schedule for litter removal completion be developed?
  - o Chris Coyle stated that their focus is on making sure the front gate and the fence above the terminal basin are free of litter. They are working on keeping the main haul road, front gate, terminal basin, top of the City side, and around the active face clear of litter. When the winds die down, they will get to the secondary areas.
- 5. (Photos 2112, 2113) There were drainage issues that were observed. The discharge to San Fernando Road from the concrete V-ditch at the new access road area has washed out the hillside.
  - a.) Is San Fernando Road the designed discharge point for the new concrete V-ditch?
    - o Chris Coyle stated that they are meeting this week about the toe-berm project and will bring up the drainage issue and how to address it.
  - b.) (Photo 2155) The soil slope above the eastside drainage channel just south of the Adler Tank area has slid into the channel. Is there a plan to stabilize that slope?
    - o Chris Coyle stated that the next time they are doing work by that slope they will shore it up or apply hydroseed.
  - c.) (Photos 2183, 2186, 2188, 2190, 2192, 2194, 2196, 2198) The discharge channel out of Basin B has vegetation growing in the concrete and has partially plugged discharge pipes. The flow into the basin has four areas with plugged channel pipes. Has clearing these areas to allow flow been scheduled? Has vegetation removal been scheduled?
    - o Chris Coyle stated that they will address the issue.
- 6. (Photos 2200, 2202, 2206, 2210) The prior noted areas where ponding occurred after rain events were observed and the areas were filled and graded to allow drainage.
  - o Chris Coyle stated that as they received soil, operations regraded the low spots.
- 7. (Photos 2239, 2242) There are inoperable trucks and equipment in the material storage area.
  - a.) What is the plan for disposal?
    - o Chris Coyle stated that they are obtaining the titles which are kept in the corporate office. Once they have the titles for the trucks and equipment, they can get the metal recycled and scrapped.
- 8. (Photo 2243) There is a large pile of wood waste on the County top deck near the storage area.
  - a.) What is the plan for disposal?
    - o Chris Coyle stated that they will get a woodchipper for the pile, then use the chips onsite for erosion and odor control of slopes.
- 9. The waste disposal area was observed and there were no concerns noted. There were no disposal odors leaving the immediate active area.
  - o Chris Coyle acknowledged the statement.
- 10. (Photos 2308, 2310, 2311, 2324, 2326, 2328) The CC-4 next cell's liner was observed.
  - a.) What is this cell called?
    - o Chris Coyle stated that this cell is called CC-4A, CC-4B and CC-4C.
  - b.) Is this at the height limit for the City overlay?
    - o Chris Coyle stated that they will not go any higher than the westside storm water channel extension that goes around the top of the liner's system.

- c.) Will the access road at the top be finished with road base and paved?
    - o Chris Coyle stated that the perimeter road will run parallel to the storm water channel.
  - d.) Are there design drawings for the next (east liner section) overlay which will be over Old City South waste and include gas and liquids recovery?
    - o Chris Coyle stated that they do not have the final, specific designs drawn up yet.
11. The sage mitigation on City Decks B and C were being maintained and doing well. The County sage area was repopulating on its own.
- a.) The PM-10 berm oak trees had many dead trees that have not recovered. The Cone Fir tree mitigation area had some dead trees. When will the yearly tree report show the mitigation tree count and condition be issued?
    - o Valorie Moore stated that they are putting a plan together to see what they can get done this year, and that the fourth quarter vegetation report was submitted on February 1, 2022.
12. (Photos 3990 to 4014) The new access road and the basin and drainage system was observed.
- a.) Has the discharge drainage piping from the new basin been installed?
    - o Chris Coyle stated that the piping has not been connected yet. The riser drains have been installed into the basin's concrete floor, but the underground connection still needs to be made.
  - b.) When will final design drawings for drainage be available for review?
    - o Chris Coyle stated that Phases 1 and 2 have been approved, but Phases 3, 4 and 5 have not been approved yet. Once the final design drawings have been approved and they receive hard copies, then the drawings will be available for review.
  - c.) Has the final toe berm design been approved?
    - o Chris Coyle stated that they are working with the City to review the plans and get back on track.
  - d.) Will the toe berm need select soil import?
    - o Chris Coyle stated that they plan on stockpiling the imported soil on the City-side of the project.
13. (Photos 2363, 2365, 2367, 2369, 2371, 2374, 2376) There was illegal dumping and litter on Sierra Highway near the I-14 overpass. A 40-foot-long junked construction trailer was dumped in that same area.
- a.) Are you working with the County to have the trailer removed?
    - o Chris Coyle stated that they need titles and licenses before they can remove an item like that.

#### Site Operations

1. Were there any notices of violation (NOVs) issued in February 2022?
  - Chris Coyle stated that there was one NOV issued by AQMD for gas odors on February 13, 2022.
2. Were there any operational complaints in February 2022?
  - Chris Coyle stated that there were no operational complaints in February 2022.



Sunshine Canyon Landfill  
February 16, 2022 Site Visit  
Conference Call Discussion Items

Site Visit Participants

February 16, 2022 Site Visit

Mike Lindsay, UltraSystems – Separate Vehicle

James Aidukas, UltraSystems – Separate Vehicle

Discussion Topics After Reviewing Site Visit Photos

1. The adjacent neighborhood was monitored for odor between 7:00 to 7:45 a.m. There were no landfill odors detected. Balboa Boulevard near Woodley Avenue and Balboa Boulevard just before going down to San Fernando Road was monitored for roadway liquids odors. There were no liquids odors coming from the roadway.
2. (Photos 2089, 2091, 2086) The oil field southern gate was locked. The oil pumping jacks were operating and the oil field flare was flaring production gas.
3. (Photos 2095, 2098, 2100, 2102, 2104) The Old City North fill slope appears to be moving and has caused cracks and a hump in the employee access road pavement.
  - a.) Has the geotechnical consultant observed the road and hillside?
  - b.) Has monitoring stakes been installed?
4. (Photos 2106, 2133, 2147, 2277, 2282, 2305, 2307, 2323) There are numerous areas that have litter due to the last six months' high wind conditions.
  - a.) Has a plan with a schedule for litter removal completion be developed?
5. (Photos 2112, 2113) There were drainage issues that were observed. The discharge to San Fernando Road from the concrete V-ditch at the new access road area has washed out the hillside.
  - a.) Is San Fernando Road the designed discharge point for the new concrete V-ditch?
  - b.) Has this washout condition been repaired?
  - c.) (Photo 2155) The soil slope above the eastside drainage channel just south of the Adler Tank area has slid into the channel. Is there a plan to stabilize that slope?
  - d.) (Photos 2183, 2186, 2188, 2190, 2192, 2194, 2196, 2198) The discharge channel out of Basin B has vegetation growing in the concrete and has partially plugged discharge pipes. The flow into the basin has four areas with plugged channel pipes. Has clearing these areas to allow flow been scheduled? Has vegetation removal been scheduled?
6. (Photos 2200, 2202, 2206, 2210) The prior noted areas where ponding occurred after rain events were observed and the areas were filled and graded to allow drainage.
7. (Photos 2239, 2242) There are inoperable trucks and equipment in the material storage area.
  - a.) What is the plan for disposal?

8. (Photo 2243) There is a large pile of wood waste on the County top deck near the storage area.
  - a.) What is the plan for disposal?
9. The waste disposal area was observed and there were no concerns noted. There were no disposal odors leaving the immediate active area.
10. (Photos 2308, 2310, 2311, 2324, 2326, 2328) The CC-4 next cell's liner was observed.
  - a.) What is this cell called?
  - b.) Is this at the height limit for the City overlay?
  - c.) Will the access road at the top be topped with road base and paved?
  - d.) Are there design drawings for the next (east liner section) overlay which will be over Old City South waste and include gas and liquids recovery?
11. The sage mitigation on City Decks B and C were being maintained and doing well. The County sage area was repopulating on its own.
  - a.) The PM-10 berm oak trees had many dead trees that have not recovered. The Cone Fir tree mitigation area had some dead trees. When will the yearly tree report show the mitigation tree count and condition be issued?
12. (Photos 3990 to 4014) The new access road and the basin and drainage system was observed.
  - a.) Has the discharge drainage piping from the new basin been installed?
  - b.) When will final design drawings for drainage be available for review?
  - c.) Has the final toe berm design been approved?
  - d.) Will the toe berm need select soil import?
13. (Photos 2363, 2365, 2367, 2369, 2371, 2374, 2376 ) There was illegal dumping and litter on Sierra Highway near the I-14 overpass. A 40-foot-long junked construction trailer was dumped in that same area.
  - a.) Are you working with the County to have the trailer removed?

#### Site Operations

1. Were there any notices of violation (NOVs) issued in February 2022?
2. Were there any operational complaints in February 2022?

#### Site Visit Comments

To be discussed during conference call.



Site Visit Comments from Mike Lindsay

- Mike Lindsay reviewed statements made in the MMSRF site report.

The conference call concluded.

**SUNSHINE CANYON LANDFILL  
MITIGATION MONITORING SITE REPORT**

Monitor: James Aidukas	Page: 1 of 2
Discipline: Project Manager	Date: 2/16/22
Site Conditions: Partly cloudy, 50-70° F, 0-20 MPH winds	
SITE LOG	
<p>Republic General Manager - Chris Coyle</p> <p>Drove the Granada Hills area near Woodley Avenue, the adjacent neighborhood, and school areas from 6:45 to 7:45 a.m. There were no landfill odors detected. There were also no roadway odors detected at Balboa and Woodley, nor at the transition down to San Fernando Road. Drove to the 100-acre buffer area. The southern fence gate was locked. The oil field pumpers and flare were operating, with the flare burning production gas. The south perimeter access gate to the oil field road was locked. Observed that new concrete v-ditches were installed on the west and east sides of the oil field road as part of the new access road improvement. Met with Mike Lindsay (UltraSystems). Mike Lindsay checked into the site via a phone call to Chris Coyle. We then proceeded to monitor the site in separate vehicles and observed the following:</p> <ul style="list-style-type: none"> <li>• The Old City North canyon fill appears to be moving. The slope has a slight depression and the new employee paved access road has a 2-inch crack across the road in the upper elevation and a hump in the lower. Movement should be monitored.</li> <li>• The litter fence at the CC-2B basin had a significant amount of litter on it.</li> <li>• There was wind-blown dust coming from the new access road and adjacent graded areas near the current main access road.</li> <li>• The new basin and adjacent roadway and drainage improvements were observed. No road construction had occurred since last month. The only construction was in finishing the drainage v-ditches and the installation of a skimmer in the new basin. The final approved construction drawings showing the roadway details to and over the final toe berm and connection to San Fernando Road and the surface water drainage discharge to Bull Creek drawings were not available for review.</li> <li>• There is a concrete v-ditch that discharges water to San Fernando Road. This v-ditch runoff water caused the adjacent slope's soil to be eroded away. Where the water drains to is not known.</li> <li>• The terminal basin was observed and skimmers were being used. The stagnant water had a layer of debris floating on it and the outlet channel had sediment and a minor amount of litter in it. The NDPE liner protecting the basin's dirt floor where the concrete was removed was torn from the prior month's high-water flow. There was a significant amount of litter and sediment where the NDPE liner was torn. The liner was not repaired. The other NDPE lined inlet channels performed well. More of the basin's concrete sidewalls were removed. What the terminal basin's new capacity size will be is not known. Drawings were not available for review.</li> </ul>	



Page 2 of 2, 2/16/22:

- The Closure Turf was observed. It was being maintained and there were no operational concerns noted.
- The eastside drainage channel south of the Adler Tanks has soil from the hillside sloughed into it, causing a minor blockage. Vegetation was growing out of concrete cracks.
- The leachate and condensate Alder tank liquids treatment system was observed, and no odors were detected, nor any operational concerns noted.
- The truck scales exit ramp dirt road was muddy and slick. There were some potholes. Some road base or other remedy for this condition is needed.
- Basin B eastside outlet channel had mud, debris, and brush blocking the basin's outlet flow.
- Basin B was partially dry and had sediment piles in it. Some debris was seen on some of the sediment near eastern native slopes.
- The eastside drainage channel was plugged with sediment and debris in three area north of Basin B.
- The County top deck's holes were filled with soil and regraded to eliminate ponding and provide drainage.
- The inoperable vehicles and site equipment in the storage area have not been disposed of.
- Basin A was filled with water to the top of the risers and the risers were plugged with HDPE material to stop any outlet flow into the westside drainage channel Litter was floating on top of the water.
- The County sage mitigation slopes were doing well where native plants were repopulating.
- Sage mitigation Deck C and B were being maintained and native vegetation was naturally reseeding and covering more areas.
- The PM-10 mitigation oak trees were observed. There was no removal of dead trees and replacement activity.
- The next cell in CC-4 was lined (possibly named CC-4 Part 5). The main perimeter access road was constructed at the final fill elevation around this cell.
- Windblown litter was not yet removed from native vegetated hillsides.
- CC-4 Part 4A was active accepting waste. There were no operational concerns noted.
- There was an abandoned 40-foot construction trailer in pieces on Sierra Highway shoulder near the I-14 overpass. There was trash and junk dumped with it.

Flare Operating Conditions:

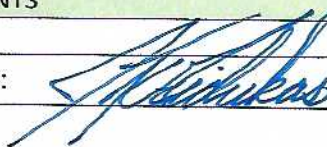
- Flare 1 – 1647°F, 1937 SCFM, 34% CH<sub>4</sub>, 1.9% O<sub>2</sub>, 100 ppm H<sub>2</sub>S
- Flare 3 – not operating
- Flare 9 – 1652°F, 3052 SCFM
- Flare 10 – 1660°F, 3089 SCFM
- Flare 11 – down for maintenance

The gas-to-energy plant was using 10,066 SCFM of recovered landfill gas, 39% CH<sub>4</sub>, 1.8% O<sub>2</sub>, 63 ppm H<sub>2</sub>S. The total volume of recovered landfill gas was 18,144 SCFM.

FURTHER REVIEW NEEDED

COMMENTS

Signed:



**SUNSHINE CANYON LANDFILL  
MITIGATION MONITORING SITE REPORT**

Monitor: Mike Lindsay	Page: 1 of 2
Discipline: Environmental Engineer	Date: 02-16-2022      Wednesday
Site Conditions: Clear, 47–64 °F, SSE 5–20 mph, 47% RH, 28 AQI	
<b>SITE LOG</b>	
<ol style="list-style-type: none"> <li>1. Checked into office via phone with Chris Coyle (Republic Services).</li> <li>2. Jim Aidukas (UltraSystems) followed in separate vehicle to site locations.</li> <li>3. A soil slide on the slope above the eastside drainage channel is partially blocking the channel. The slide is located just east of the admin facility.</li> <li>4. Litter fences are effective at holding back wind-blown litter above the terminal basin inlet at eastside drainage channel and low-point pump facility.</li> <li>5. Large pothole puddles are present in the admin facility parking lot from yesterday's rain.</li> <li>6. Observed construction work at the new entrance road realignment project area, including a skimmer system in-place at the riser drain. No water is present in basin from rains.</li> <li>7. Soil has eroded from the uphill-side of the concrete V-ditch above the natural gas odorization facility on San Fernando Road.</li> <li>8. Took GPS measurements from new basin flat area to the powerline tower base where the new entrance road will pass over the ridge. Data will be used to estimate the average percent grade.</li> <li>9. The liner material placed at terminal basin inlet channels is intact.</li> <li>10. The terminal basin water level has dropped to within eight feet from top of the riser drains since our January visit. Skimmers are operational. Litter and debris are largely covering the water surface around the drains. The gabion wall at the basin's midsection has sediment collected to the top of wall at the upstream side. The concrete side walls have been demolished along the northwest side of basin.</li> <li>11. Workers are picking up wind-blown litter around the terminal basin inlet.</li> <li>12. The terminal basin outlet channel has some trash and debris present. Water is steadily flowing out of basin from water draining via skimmers and vertical drains.</li> <li>13. The leachate and condensate Alder tank farm is in good order, with no odors or leaks present.</li> <li>14. The deck drain is clear for the tank farm secondary containment area.</li> <li>15. The admin and LEA facility are in good order.</li> <li>16. The leachate low-point pump northwest of the Alder tanks is operating.</li> <li>17. The scales are generally in good order, with some potholes present at exit ramps.</li> <li>18. Dust is being controlled by damp roads due to recent rains.</li> <li>19. The eastside drainage channel is in good order, mostly clear of sediment.</li> <li>20. Traffic spotters are onsite to control traffic.</li> <li>21. Sediment basin B is mostly dry, with sediment covering floor due to rains.</li> <li>22. The bowl area by basin B is in good order, with no odors present.</li> <li>23. Eastside drainage culvert inlets are blocked with vegetation and soil south of the substation.</li> <li>24. Water trucks are applying water to site for dust control.</li> <li>25. Flare 9 is operating at 3121 scfm, 1650 °F. Gas inlet temperature is 118 °F. Gas sample measured at 39 % Vol. CH<sub>4</sub>, 1.8 % Vol. O<sub>2</sub>, 63 ppm H<sub>2</sub>S and 322 ppm CO. Blowers 1, 2, 3, 4, 5 and 6 are operating.</li> <li>26. Flare 10 is operating at 3194 scfm, 1647 °F. Gas inlet temperature is 122 °F.</li> <li>27. Flare 11 is offline.</li> <li>28. Perimeter drainage channel at flare pad is in good order, with sediment covering bottom of channel from rains.</li> </ol>	



29. The Sunshine Gas Producers facility is operating at 10,418 scfm.
30. Gas odors are present at the blower number 5 outlet flange.
31. The storage yard is in good order, with five vehicles awaiting to be scrapped.
32. The County top deck low spots have been filled in, with no standing water. Soil is being excavated for daily cover material.
33. The westside drainage channel is mostly clear of sediment.
34. Street sweepers are cleaning the haul roads.
35. The County sage mitigation slopes are in good order.
36. Sediment basin A has some standing water.
37. Water misters are operating along the west perimeter slopes.
38. Flare 3 is offline.
39. Bird abatement is active around working area.
40. The closure turf at the City north slopes along the main haul road is in good order with no odors.
41. Cell CC-4 Part 4A has two separate working areas in good order, with packer trucks unloading, and tippers active. The ADC at the working faces is 70% covered with new trash at 11:00 am.
42. About 25 transfer trucks are queued across the top deck to enter Cell CC4 Part 4A at 11:15 am.
43. Workers are installing liner material at the new Cell CC4 Part 4B/5.
44. Packer truck drivers are cleaning out their back seals as required.
45. Wind-blown litter is present along north-facing slopes below the observation deck.
46. Flare 1 is operating at 1911 scfm, 1636 °F. Gas sample measured at 34 % Vol. CH<sub>4</sub>, 1.9 % Vol. O<sub>2</sub>, 100 ppm H<sub>2</sub>S and 324 ppm CO. Gas inlet temperature is 148 °F.
47. City decks C, B and A sage mitigation areas are in good order, with new green growth since recent rains.
48. The PM-10 oak trees are in good condition, with some dead trees present.
49. Water misters are operating along the southern perimeter.
50. Water misters are operating along main haul road at landfill entrance.
51. Checked out of office with Chris Coyle via phone.

#### FURTHER REVIEW NEEDED

1. Repair soil slide at eastside drainage channel.
2. Backfill the concrete V-ditch northeast of the new basin.
3. Remove litter from the terminal basin outlet.
4. Remove soil and vegetation from the eastside drainage culverts.
5. Repair blower number 5 outlet flange gas leak.

Signed: *Michael W. Lindsay*

# March 2022



**Sunshine Canyon Landfill  
March 7, 2022 Site Visit  
March 29, 2022 Site Monitoring Conference Call**

Site Visit Participants

March 7, 2022 Site Visit:

Mike Lindsay, UltraSystems – Separate Vehicle  
James Aidukas, UltraSystems – Separate Vehicle  
Vu Truong, LACDPW – Separate Vehicle  
Edgar De La Torre – Separate Vehicle  
Diana Gonzalez – Separate Vehicle

Conference Call Participants

Chris Coyle, Dennis Montano and Valorie Moore; Republic Services  
Kristine Jegalian, LA City Planning  
Vu Truong, LACDPW  
James Aidukas and Mike Lindsay, UltraSystems  
Tarik Hadj-Hamou, SRK

Site Visit Observations Discussion:

To follow CDC guidelines for COVID-19 health protocols, UltraSystems sent personnel in separate vehicles to perform a site visit to photograph site conditions and record site observations of the landfill. Edgar De La Torre and Diana Gonzalez also were in a separate vehicle. After reviewing the photos and observation record, a post-site visit conference call was held to discuss Sunshine Canyon Landfill operations and the status of construction, maintenance and compliance for the months of February and March. We asked questions regarding health measures, site operations, weather impacts, landfill gas and liquids control, construction activities and mitigation measures status. We received comments and updates from Republic staff as follows:

Discussion Topics After Reviewing Site Visit Photos

1. The adjacent neighborhood was monitored for odor between 5:25 to 5:45 a.m. There were no landfill odors detected. Balboa Boulevard near Woodley Avenue just before going down to San Fernando Road was monitored for roadway liquids odors. There were no liquids odors coming from the roadway.
  - o Chris Coyle acknowledged the statement.
2. (Photos 2470, 2481, 2483, 2488, 2489, 2500, 2502) The prior weekend's area covered with ADC was observed from 6:10 to 6:50 a.m. from the City Deck A viewing station. The ADC was not covered with soil on the prior Saturday. Stockpiles of dirt are seen in photos 2488 and 2556.
  - a.) Why was the ADC not covered on Saturday?

- Chris Coyle stated that the ADC was not covered on Saturday because they did not have enough dirt.
- 3. (Photos 2479, 2481, 2497, 2500, 2502, 2504, 2676) The new Cell CC-4 Part 5 was observed.
  - a.) What will the total system's design look like?
    - Chris Coyle stated that they do not have a final design for that system yet.
  - b.) What is the cause of the depression in Photo 2676? Is it stable?
    - Chris Coyle stated that GLA has looked at it, and said it is due to primary settlement and is not a concern.
- 4. (Photos 2508, 2506, 2509) The new and final westside main drainage channel was observed.
  - a.) Has the total drainage system to the terminal basin been designed?
    - Chris Coyle stated that he does not have a specific answer as of now.
  - b.) How will the gas from the Old City South be controlled and handled under and around the new channel?
    - Chris Coyle stated that they will have SCS or GLA review this and find a solution.
- 5. (Photos 2519, 2521, 2525, 2528, 2531, 2535) Windblown litter was observed in the canyon and on the hillsides south of Basin A, on Basin A hillsides and within Basin A.
  - a.) What is the schedule for picking up the litter in these areas?
    - Chris Coyle stated that they will not be able to pick up the litter in these areas because it is unsafe at this time, and that they are waiting for the litter to come down due to wind and weather.
- 6. The oil field southern gate was locked. The oil pumping jacks were operating, and the oil field flare was flaring production gas.
  - Chris Coyle acknowledged the statement.
- 7. (Photos 2570, 2571) The Old City North fill slope appears to be moving and has caused cracks and a hump in the new employee access road pavement.
  - a.) Has the geotechnical consultant observed the road and hillside?
    - Chris Coyle stated that Mark at GLA said that it is nothing to worry about, and that a memo will be put together regarding the cracks and hump.
- 8. (Photos 2552, 2554) The Adler Tank liquids treatment system was observed. There were no odors detected and no concerns noted.
  - Chris Coyle acknowledged the statement.
- 9. (Photos 2567, 2614, 2623, 2625, 2627) The truck scales were observed. Deep pot holes were seen off the exit ramps.
  - a.) Will these areas be improved in the future with pavement?
    - Chris Coyle stated that it is a maintenance item, so they fill them in several times a week.
- 10. (Photos 2576, 2578, 2579) There were drainage issues that were observed at the site. The discharge to San Fernando Road from the concrete V-ditch at the new access road area has washed out the hillside.
  - a.) Is San Fernando Road the designed discharge point for the new concrete V-ditch?



- Chris Coyle stated that it is part of Phase 1 & 2, and once they can get back to work on that area, they will address this drainage issue.
  - b.) The soil slope above the eastside drainage channel just south of the Adler Tank area has soil from the slope slide into the channel. Is there a plan to stabilize that slope?
    - Chris Coyle stated that they have not assessed it at this point in time.
- 11. (Photos 2629, 2631, 2633, 2638, 2640, 2643, 2645, 2647, 2649) The discharge channel out of Basin B has vegetation growing in the concrete and has partially plugged discharge pipes. The flow into the basin has four areas with plugged channel pipes.
  - a.) Has clearing these areas to allow flow been scheduled?
    - Chris Coyle stated that they cleaned all the drainage out on Friday in anticipation of the incoming rain on Monday.
  - b.) Has vegetation removal been scheduled?
    - Chris Coyle stated that the vegetation has been removed.
- 12. (Photos 2581, 2583, 2584, 2586, 2589, 2591, 2592, 2595, 2597, 2599, 2601, 2603, 2604, 2607, 2610) The terminal basin and the inlet and outlet of the basin were observed.
  - a.) A steady stream of water was flowing into the basin. The water was coming from a retention pond near the Cell CC-4 Part 5 liner. What was the water source? (Photos 2671)
    - Chris Coyle stated that he does not recall what the source was.
  - b.) The NDPE liner protecting the basin's floor was torn by prior rain events. Has any water gotten under the concrete floor?
    - Chris Coyle stated that there was no seepage under that concrete floor.
  - c.) Additional sections of the basin's sidewalls have been removed. Why were more of the sidewalls removed?
    - Chris Coyle stated that they have not taken any more of the sidewalls down.
  - d.) Have design drawings for the modified Terminal Basin been developed and submitted for approval? What will the modified basin's capacity be?
    - Chris Coyle stated that the drawings for Phase 1 and 2 have been approved, but the drawings for Phase 3, 4 and 5 have not been approved by the City yet.
    - Chris Coyle stated that due to the toe berm going into place, they are losing capacity in the terminal basin.
  - e.) When will the litter be removed from the basin and the outlet channel?
    - Chris Coyle stated that the litter in the terminal basin outlet channel has been cleaned up.
- 13. (Photos 2539, 2542, 2544, 2674) The waste disposal area was observed and there were no concerns noted. There were no disposal odors leaving the immediate active area.
  - Chris Coyle acknowledged the comment.
- 14. There are inoperable trucks and equipment in the material storage area.
  - a.) What is the status on disposal of these vehicles and equipment?
    - Chris Coyle stated that they are trying to get duplicate titles for the vehicles so that they can scrap them. There is also a metal contractor who will cut up the scraper and it will take about three or four months to complete.

15. (Photos 2685, 2687, 2689, 2655, 2657, 2659) The sage mitigation on City Decks B and C were being maintained and were doing well. The County sage area was repopulating on its own.
- a.) The PM-10 berm oak trees had many dead trees that have not recovered. The Big Cone Fir tree mitigation area also had some dead trees. When will the yearly tree report show the mitigation tree count and condition be issued?
    - o Chris Coyle stated that the yearly tree report has been issued and they are currently reviewing it.

#### Site Operations

1. Were there any notices of violation (NOVs) issued in March 2022?
  - Chris Coyle stated that there were no NOVs issued in March 2022.
2. Were there any operational complaints in March 2022?
  - Chris Coyle stated that there were no operational complaints in March 2022.

#### Site Visit Comments from Mike Lindsay

- Mike Lindsay reviewed statements made in the MMSRF site report.

The conference call concluded.



Sunshine Canyon Landfill  
March 7, 2022 Site Visit  
Conference Call Discussion Items

Site Visit Participants

March 7, 2022 Site Visit

Mike Lindsay, UltraSystems – Separate Vehicle  
James Aidukas, UltraSystems – Separate Vehicle  
Vu Truong, LACDPW – Separate Vehicle  
Edgar De La Torre – Separate Vehicle  
Diana Gonzalez – Separate Vehicle

Discussion Topics After Reviewing Site Visit Photos

1. The adjacent neighborhood was monitored for odor between 5:25 to 5:45 a.m. There were no landfill odors detected. Balboa Boulevard near Woodley Avenue just before going down to San Fernando Road was monitored for roadway liquids odors. There were no liquids odors coming from the roadway.
2. (Photos 2470, 2481, 2483, 2488, 2489, 2500, 2502) The prior weekend's area covered with ADC was observed from 6:10 to 6:50 a.m. from the City Deck A viewing station. The ADC was not covered with soil on the prior Saturday. Stockpiles of dirt are seen in photos 2488 and 2556.
  - a.) Why was the ADC not covered on Saturday?
3. (Photos 2479, 2481, 2497, 2500, 2502, 2504, 2676) The new Cell CC-4 Part 5 was observed.
  - a.) Is this liner only on an area not filled in the Old City South waste disposal?
  - b.) How will this liner transition into the prior filled area?
  - c.) What will the total system's design look like?
  - d.) What is the cause of the depression in Photo 2676? Is it stable?
4. (Photos 2508, 2506, 2509) The new and final westside main drainage channel was observed.
  - a.) Has the total drainage system to the terminal basin been designed?
  - b.) How will the gas from the Old City South be controlled and handled under and around the new channel?
5. (Photos 2519, 2521, 2525, 2528, 2531, 2535) Windblown litter was observed in the canyon and on the hillsides south of Basin A and on Basin A hillsides and within Basin A.
  - a.) What is the schedule for picking up the litter in these areas?
6. The oil field southern gate was locked. The oil pumping jacks were operating, and the oil field flare was flaring production gas.
7. (Photos 2570, 2571) The Old City North fill slope appears to be moving and has caused cracks and a hump in the new employee access road pavement.
  - a.) Has the geotechnical consultant observed the road and hillside?
  - b.) Has monitoring stakes been installed?

- c.) Does the geotechnical consultant have any recommended remedies?
8. (Photos 2552, 2554) The Adler Tank liquids treatment system was observed. There were no odors detected and no concerns noted.
9. (Photos 2567, 2614, 2623, 2625, 2627) The truck scales were observed. Deep pot holes were seen off the exit ramps.
  - a.) Will these areas be improved in the future with pavement?
  - b.) Is replacing dirt with roadbase a short-term option?
10. (Photos 2576, 2578, 2579) There were drainage issues that were observed at the site. The discharge to San Fernando Road from the concrete V-ditch at the new access road area has washed out the hillside.
  - a.) Is San Fernando Road the designed discharge point for the new concrete V-ditch?
  - b.) The soil slope above the eastside drainage channel just south of the Adler Tank area has soil from the slope slide into the channel. Is there a plan to stabilize that slope?
11. (Photos 2629, 2631, 2633, 2638, 2640, 2643, 2645, 2647, 2649) The discharge channel out of Basin B has vegetation growing in the concrete and has partially plugged discharge pipes. The flow into the basin has four areas with plugged channel pipes.
  - a.) Has clearing these areas to allow flow been scheduled?
  - b.) Has vegetation removal been scheduled?
12. (Photos 2581, 2583, 2584, 2586, 2589, 2591, 2592, 2595, 2597, 2599, 2601, 2603, 2604, 2607, 2610) The terminal basin and the inlet and outlet of the basin were observed.
  - a.) A steady stream of water was flowing into the basin. The water was coming from a retention pond near the Cell CC-4 Part 5 liner. What was the water source? (Photos 2671)
  - b.) The NDPE liner protecting the basin's floor was torn by prior rain events. Has any water gotten under the concrete floor?
  - c.) Additional sections of the basin's sidewalls have been removed. Why were more of the sidewalls removed?
  - d.) Have design drawings for the modified Terminal Basin been developed and submitted for approval? What will the modified basin's capacity be?
  - e.) When will the litter be removed from the basin and the outlet channel?
13. (Photos 2661, 2663, 2665, 2670) Soil was being stockpiled on the City top deck near Cell CC-2A.
  - a.) What will this soil be used for?
14. (Photos 2539, 2542, 2544, 2674) The waste disposal area was observed and there were no concerns noted. There were no disposal odors leaving the immediate active area.
15. There are inoperable trucks and equipment in the material storage area.
  - a.) What is the status on disposal of these vehicles and equipment?
16. (Photos 2685, 2687, 2689, 2655, 2657, 2659) The sage mitigation on City Decks B and C were being maintained and were doing well. The County sage area was repopulating on its own.



- a.) The PM-10 berm oak trees had many dead trees that have not recovered. The Big Cone Fir tree mitigation area also had some dead trees. When will the yearly tree report show the mitigation tree count and condition be issued?

Site Operations

1. Were there any notices of violation (NOVs) issued in March 2022?
2. Were there any operational complaints in March 2022?

Site Visit Comments

To be discussed during conference call.

**SUNSHINE CANYON LANDFILL  
MITIGATION MONITORING SITE REPORT**

Monitor: James Aidukas	Page: 1 of 2
Discipline: Project Manager	Date: 3/7/22
Site Conditions: Clear, 40-65° F, 0-25 MPH winds	
SITE LOG	
<p>Republic General Manager - Chris Coyle</p> <p>Drove the Granada Hills area near Woodley Avenue, the adjacent neighborhood, and school areas from 5:25 to 5:45 a.m. There were no landfill odors detected. There were also no roadway odors detected at Balboa and Woodley, nor at the transition down to San Fernando Road. Drove to the 100-acre buffer area. The oil field pumpers and flare were operating, with the flare burning production gas. The south perimeter access gate to the oil field road was locked. Met with Mike Lindsay (UltraSystems) and Vu Truong (LACDPW). Mike Lindsay checked into the site via a phone call to Chris Coyle. We then proceeded to monitor the site in separate vehicles and observed the following:</p> <ul style="list-style-type: none"> <li>• The prior weekend's area covered with ADC was observed from 6:10 to 6:50 a.m. from the City Deck A viewing station. The ADC was not covered with soil on the prior Saturday.</li> <li>• The Closure Turf on the City slopes were observed, and they appear to be well-maintained.</li> <li>• The new liner in Cell CC-4 Part 4B and 5 appear to be completed on the areas not on old waste fill.</li> <li>• There was a depression (slump) noted on the new liner slope south of where the old office parking lot was located.</li> <li>• The final westside concrete channel was being constructed.</li> <li>• There was a sump pump pumping water out of a temporary basin on to the main access road from water out of the old City south area where the new liner on the slopes ended.</li> <li>• Basin A and the canyon south off the basin had a significant amount of wind-blown litter.</li> <li>• The new access road and sediment basin had no construction activity. The soil erosion adjacent to the new concrete v-ditch near the Gas Company's odorization facility has not been repaired.</li> <li>• Water was observed coming into the terminal basin. The HDPE liner covering the floor where concrete was removed was torn and not repaired. The basin had a minor amount of water in it. There was a significant amount of sediment with litter on top of it. The outlet channel had sediment and litter in it.</li> <li>• The Adler tank facility was operating with no odors detected and no operational concerns.</li> <li>• The truck scales had potholes on the scale's exit road.</li> <li>• The eastside drainage channel had four areas where the drainage pipes were blocked with brush, debris, and sediment.</li> </ul>	



Page 2 of 2, 3/7/22:

- Vegetation was growing in concrete cracks in Basin B walls and in the eastside channel.
- There has been no revegetation activity on the County sage mitigation slopes.
- The city sage mitigation decks B and C are doing well. Removal of mustard plants had not occurred.
- PM-10 tree area has had no activity. Replacement of dead trees has not occurred.
- Cell CC-4 Part 4A was active accepting waste.
- The new employee access road near the Old City North fill area is showing signs of movement (pavement cracking and slumping.)
- 

Flare Operating Conditions:

- Flare 1 – 1643°F, 1932 SCFM
- Flare 3 – not operating
- Flare 9 – 1652°F, 3052 SCFM
- Flare 10 – 1660°F, 3089 SCFM
- Flare 11 – down for maintenance

The gas-to-energy plant was using 10,066 SCFM of recovered landfill gas, 39% CH<sub>4</sub>, 1.8% O<sub>2</sub>, 63 ppm H<sub>2</sub>S. The total volume of recovered landfill gas was 18,139 SCFM.

FURTHER REVIEW NEEDED

COMMENTS

Signed:



**SUNSHINE CANYON LANDFILL  
MITIGATION MONITORING SITE REPORT**

Monitor: Mike Lindsay	Page: 1 of 2
Discipline: Environmental Engineer	Date: 03-07-2022 Monday
Site Conditions: Clear, 39–62 °F, S 8–28 mph, 46% RH, 28 AQI	
<b>SITE LOG</b>	
<ol style="list-style-type: none"> <li>1. Checked into office via phone with Chris Coyle (Republic Services).</li> <li>2. Jim Aidukas (UltraSystems) and Vu Truong (LACDPW) followed in separate vehicles to site locations.</li> <li>3. ADC at the Cell CC-4 Part 4A working face is 5% covered with new trash at 6:30 am. The ADC was not covered with soil from the previous Saturday operations.</li> <li>4. Observed workers constructing a new concrete section of the westside drainage channel above Cell CC4 Part 4B, including the use of a concrete pump.</li> <li>5. Sediment basin A is in good order, with the majority of water drained since our February site visit.</li> <li>6. Water misters are operating along the west perimeter slopes.</li> <li>7. Flare 3 is offline.</li> <li>8. About 15 haul trucks are queued across the top deck to enter Cell CC4 Part 4A at 7:35 am.</li> <li>9. Observed new cell construction of Cell CC4 Part 4B/5, including completed liner material along the southern slopes and benches.</li> <li>10. Water is being pumped out of cell construction low-point, and is being discharged onto haul road where it flows into terminal basin inlet.</li> <li>11. New sediment basin at the entrance road realignment project area is in good order, with no water present from recent rains.</li> <li>12. The concrete V-ditch above the natural gas odorization facility on San Fernando Road is still intact, with soil eroded from above due to heavy rains.</li> <li>13. The terminal basin water level has dropped to within ten feet from top of the riser drains since our February site visit. Skimmers are operational. Litter and debris are largely covering the water surface around the drains. The concrete side walls have been demolished along the northwest side of basin for future drainage tie-in related to the new entrance road and basin.</li> <li>14. The terminal basin outlet channel has some trash and debris present. Water is steadily flowing out of basin from water draining via skimmers and vertical drains.</li> <li>15. The liner material placed at the terminal basin inlet channels is intact.</li> <li>16. The Alder tank farm is in good order, with no odors or leaks present.</li> <li>17. The admin and LEA facility are in good order.</li> <li>18. The scales are generally in good order, with some water-filled potholes present at exit ramps.</li> <li>19. The eastside drainage channel is in good order, mostly clear of sediment.</li> <li>20. Traffic spotters are onsite to control traffic.</li> <li>21. Sediment basin B is mostly dry, with sediment covering floor due to rains.</li> <li>22. The bowl area by basin B is in good order, with no odors present.</li> <li>23. Street sweepers are cleaning the haul roads.</li> <li>24. Eastside drainage culvert inlets are blocked with vegetation and soil south of the substation.</li> <li>25. Water trucks are applying water to site for dust control.</li> <li>26. Flare 9 is operating at 3025 scfm, 1664 °F. Gas inlet temperature is 105 °F. Blowers 1, 2, 3, 4, 5 and 6 are operating.</li> <li>27. Flare 10 is operating at 3111 scfm, 1664 °F. Gas inlet temperature is 112 °F.</li> <li>28. Flare 11 is offline.</li> </ol>	



29. Perimeter drainage channel at flare pad is in good order, with sediment covering bottom of channel from rains.
30. The Sunshine Gas Producers facility is operating at 10,007 scfm.
31. Gas odors are present at the blower number 5 outlet flange.
32. The County sage mitigation slopes are in good order.
33. The County top deck is in good order. Soil is being excavated for daily cover material.
34. Observed stockpiled soil piles on top deck.
35. Observed working area Cell CC4 Part 4A again, including tippers, water trucks and traffic control. The ADC is 40% covered with new trash at 10:30 am.
36. The westside drainage channel is mostly clear of sediment.
37. The closure turf at the City north slopes along the main haul road is in good order with no odors.
38. City decks C, B and A sage mitigation areas are in good order, with new green growth since seasonal rains.
39. The PM-10 oak trees are in good condition, with several dead trees present.
40. Water misters are operating along the southern perimeter.
41. Flare 1 is operating at 1927 scfm, 1643 °F. Gas inlet temperature is 122 °F.
42. Water misters are operating along main haul road at landfill entrance.
43. Checked out of office with Chris Coyle via phone.

#### FURTHER REVIEW NEEDED

1. Cover ADC with soil after Saturday's operations.
2. Backfill the concrete V-ditch northeast of the new basin.
3. Remove soil and vegetation from the eastside drainage culverts.
4. Repair blower number 5 outlet flange gas leak.
5. Replace dead oak trees at PM-10 berm.

Signed:

