Sunshine Canyon Landfill
Independent Monitor
Quarterly Site Monitoring Status Report
October 1, 2018 – December 31, 2018

Prepared For:

City of Los Angeles Department of City Planning

And

County of Los Angeles Department of Regional Planning

Prepared By:

UltraSystems
environmental | management | planning

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Prepared On:

January 9, 2019

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environmental | management | planning

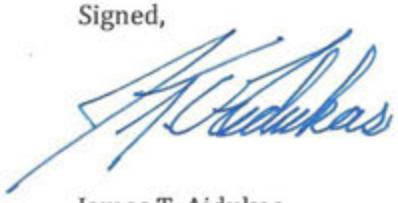
CERTIFICATION STATEMENT

January 9, 2019

The attached Quarterly Site Monitoring Status Report for the Sunshine Canyon Landfill dated January 9, 2019 is the Fourth Quarterly Report for 2018, issued by UltraSystems. This report covers the monitoring period from October 1, 2018 through December 31, 2018 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,



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Contents

Quarterly Status Report

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

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

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

This Quarterly Report provides the City of Los Angeles Department of Planning and the County of Los Angeles Department of Regional Planning with a concise status of the Mitigation Measure Monitoring for the period of October 1, 2018 to December 31, 2018. It includes:

1. The City and County Mitigation Monitoring Summary spreadsheets for October 1, 2018 to December 31, 2018. These spreadsheets record the areas of monitoring completed and the status of being compliant during the fourth quarter of 2018;
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. Meeting logs documenting any meetings with Republic staff and/or public agencies, with the topics discussed; and
6. Any site monitoring documenting site changes.

Site Visits During the Quarter

Four site visits were performed by UltraSystems during the October through December 2018 quarter in order to observe operational site activities and determine compliant status with conditions and/or mitigation measures. They were performed on October 23, 2018; November 6, 2018; November 20, 2018; and December 13, 2018. The previously discussed conditions and/or mitigation measures were tracked by each specialist who visited, and observations were documented. Site conditions were noted to be: Compliant, Non-Compliant, or Further Review Needed. If a Condition was found to be Non-Compliant or observed as having Further Review Needed, a reference was made to an appendix which details what was observed by the monitor.

Definition of Terms

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

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

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

> Further Review Needed/ Comments is defined as comments documenting site conditions observed during monitoring visits that are not fully compliant, but action is being taken in order to obtain full compliance with conditions and/or mitigation measures. Recommendations from the monitor, as appropriate, and status from Republic may also be given. The comments section of the monitoring report also 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.

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

Status Summary

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

Compliant

The majority of the conditions and/or mitigation measures monitored were observed to be compliant. There are City and County conditions which are compliant, but are noted as having corresponding comments that refer to the appendices. The Compliant with Comments section of the monitoring report provides a summary of activities being done

onsite to construct or maintain facilities, and a summary of documents, reports and drawings that should be readily available onsite for monitoring reference.

Non-Compliant

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

Further Review Needed

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

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

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

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

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

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

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

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

Current Status/Comments – Throughout the 4th Quarter, the Cell CC-4 Part 3 buttress grading and construction was occurring. This grading and buttress construction were the only grading being done outside of the prior-approved grading footprint.

In late October, the toe berm for CC-4 Part 3 buttress was being constructed. Soil was being placed and wheel-compacted by scrapers. Soil compaction was being tested. A paleontologist was onsite monitoring the CC-4 Part 3 buttress grading. The Part 3 buttress soil stockpiled on the County north top deck was approximately 40 to 50 feet high. Cell CC-4 Part 1 was accepting waste, while Part 2 was idle. No operational issues were noted.

In early November, the CC-4 Part 3 buttress was still under construction. A temporary basin was constructed to handle any rain runoff. A paleontologist was onsite monitoring the CC-4 Part 3 buttress grading. Cell CC-4 Part 1/Part 2 was accepting waste. No operational concerns were observed.

In late November, the CC-4 Part 3 buttress had grading and soil placement underway. A paleontologist was onsite monitoring grading in native areas. Excess soil was being stockpiled on the County's north top deck.

In mid-December, the CC-4 Part 3 buttress had grading and soil placement occurring. A paleontologist was onsite monitoring grading in native areas.

In late November and early December, rain caused significant erosion in the constructed buttress.

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 – Throughout the 4th Quarter, there are numerous dirt access roads that are used daily, but infrequently. When used, blowing dust is a concern. The use of a soil sealant or limiting the use of dirt roads to those that are watered should be considered. The use of a soil sealant on temporary construction roads should be evaluated. The use of water trucks was not effective in controlling dust on these roads. At the main dirt haul road on the east side of CC-3A, dust clouds occurred in between water truck water applications. The use of recycled asphalt and soil binder should be considered for this area.

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

Current Status/Comments – During the 4th Quarter, no graffiti was observed.

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

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

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

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

Current Status/Comments – In late October, the gas-to-energy plant was using 10,016 SCFM of recovered landfill gas, 46% CH4, 2.2% O2, 60 ppm H2S. Flare 1: 2260 SCFM; Flare 3: shut down; Flare 9: shut down; Flare 10: 2481 SCFM; Flare 11: 2487 SCFM. The total volume of landfill gas being recovered was 17,244 SCFM.

In early November, the gas-to-energy plant was using 9355 SCFM of recovered landfill gas, 46% CH4, 1.5% O2, 62 ppm H2S. Flare 1: 2169 SCFM; Flare 3: shut down; Flare 9: shut down; Flare 10: 3432 SCFM; Flare 11: 3425 SCFM. The total volume of landfill gas being recovered was 18,381 SCFM.

In late November, the gas-to-energy plant was using 9296 SCFM of recovered landfill gas, 49% CH4, 1.3% O2, 61 ppm H2S. The facility was at 100% production. Flare 1: 2190 SCFM; Flare 3: shut down; Flare 9: 2397 SCFM; Flare 10: 2425 SCFM; Flare 11: 2543 SCFM. The total volume of landfill gas being recovered was 18,851 SCFM.

In mid-December, the gas-to-energy plant was using 9096 SCFM of recovered landfill gas, 46% CH4, 1.9% O2, 86 ppm H2S. Flare 1: 2182 SCFM; Flare 3: shut down; Flare 9: 2354 SCFM; Flare 10: 2395 SCFM; Flare 11: 2373 SCFM. The total volume of landfill gas being recovered was 18,400 SCFM.

The quantity of landfill gas being recovered during the 4th Quarter has averaged 18,219 SCFM, with the gas-to-energy plant usage averaging 9440 SCFM. An expansion of the gas-to-energy plant or different beneficial use facility should be evaluated.

The conditions state that planning for expanding the renewable energy facilities should begin when the quantity and quality of gas being flared can support the installation of a new facility or an expansion of the existing facility, and that the status of the technical and economic feasibility be

included in Republic's biennial reports. The typical time required for planning, funding and permitting a renewable energy facility is four years, or more.

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

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

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

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 – Out-of-approved landfill footprint grading is occurring for a Cell CC-4 Part 3 buttress. Grading plans have been approved by the County Department of Public Works' Civil Engineering and Permitting sections. The only other grading occurring in this quarter was for maintaining areas of Cell CC-4 Part 1 and Part 2, the removal of stockpiled soil for waste cover in Cell CC-3A and the buttress area, and grading of the CC-3A western slopes. These activities are inside the approved landfill footprint. Access roads were being maintained around the working area for emergency access.

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

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

M-4.2.12 (28) (City)
Site Erosion
c. A temporary vegetation cover shall be established on all slopes that are to remain inactive for a period longer than 180 days.
d. An SCAQMD approved soil stabilization (sealant) product shall be used to retard soil erosion and enhance revegetation. Soil sealant shall be applied when necessary to selected working areas of the landfill. The sealant will also be used as a binder or tackifier to hold seen during revegetation mulch, and fertilizers in-place until grasses become establish and stabilize on the landfill surface.
Geology-1.13 (County)
Revegetation and erosion control of all exposed slopes will be an ongoing process. The erosion controls to be implemented at the site will include soil stabilization measures and revegetation in accordance with the approved Revegetation Program. The installation of interceptor ditches shall be designed for the diversion of storm runoff to sedimentation basins. Sediment traps will be used at points of runoff concentration along the perimeter of exposed slopes surfaces.
Condition: Approval of drainage plan. Retention of a consulting horticulturalist/Registered Professional Forester and an independent qualified biologist by the permittee for ongoing supervision of revegetation programs. Review and monitoring of planting programs by County Forester.

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

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

Air Quality - 6.02 (County)
Dust Control will also be accomplished through the temporary revegetation of the landfill surface. A temporary revegetation of the landfill surface, and a temporary vegetation cover will be established on all slopes that are to remain inactive for a period longer than 180 days. Specifications of temporary revegetation measures will be provided in the Revegetation Plan submitted to the County biologist for approval, the Closure and Postclosure Maintenance Plans, the Condition Use Permit, and Conditions of Project Approval.

Visual-10.08 (County)
Cover/Revegetation Requirements
The permittee shall comply with the following cover and re-vegetation requirements at the Landfill:
(1). The permittee shall apply a temporary hydroseed vegetation cover on any slope or other Landfill area that is projected to be inactive for a period greater than 180 days, as set forth in the IMP. The permittee shall promptly notify the County LEA and the Department of Public Works of any such slope or area;
Revegetation Requirements
(5) Notwithstanding the foregoing, the permittee shall not be bound by the previous provisions of this Condition No. 44, but instead by the requirements of the County LEA, so long as the Limits of Fill are not exceeded, if in consultation with the Department of Public Works, the County LEA determines that a different re-vegetation design or plan:
(1) would better protect public health and safety;
(2) would enable revegetation of the final slopes at least as well as shown in Exhibit "B" described in subsection D, above; and/or experts, including an independent, qualified bio (3) would be required because the minimum standards adopted by the CIWMB have been amended;
(6) the permittee shall employ an expert or biologist, to satisfy this Condition No. 44. Soil sampling and laboratory analysis shall be conducted in all areas that are required to be re-vegetated before any re-vegetation occurs to identify chemical or physical soil properties that may adversely affect plant growth or establishment. Soil amendments and fertilizer recommendations shall be applied and plant materials selected, based on the above referenced testing procedures and results. To the extent possible, plant types shall blend with species indigenous to the area, be drought tolerant, and be capable of rapid growth. The selected plants shall not include nonindigenous species that are likely to be invasive of adjacent natural areas.

Biota - Revegetation - 44.A (County)
A. The Permittee shall apply a temporary hydroseed vegetation cover on any slope or other Landfill area that is projected to be inactive for a period greater than 180 days, as set forth in the IMP. The

Permittee shall promptly notify the SCL-LEA and the Department of Public Works of any such slope or area.

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

Current Status/Comments – During the 4th Quarter, Closure Turf was functioning well and being maintained. Gas and liquids recovery systems from under the Closure Turf were performing well. The Posi-Shell areas were being maintained, but being reduced in area covered. Some of these areas were replaced with Closure Turf. In late November, numerous areas of the inactive site and completed buttress slopes were hydroseeded. The perimeter landfill road was improved using recycled concrete and asphalt. Dust was not being generated by use of this road. The dirt section of the main access haul road to CC-4 Parts 1 and 2 had areas near the CC-3B top deck and the east-facing CC-3A slopes that had dust emissions being generated by disposal trucks. Water from water trucks was not effective in controlling the dust. Recycled asphalt or rock was not being used. No soil binder was being applied in this area.

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 two old oil well steel casings in the area north of the landfill offices were located in the Cell CC-4 Part 3 buttress grading area. These wells have been uncovered and marked with orange paint. These wells will need to be reabandoned after grading has been completed. The old abandoned oil well casing adjacent to the new secondary access road from the Flare 11 site should be checked and reabandoned, if required. None of the wells appear to be leaking oils or gas, nor pose a current hazard.

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 Cell CC-4 Part 3 buttress. These boundary markers have not been replaced. All markers should be replaced once the Cell CC-4 Part 3 buttress is completed.

M-4.2.13/29, 30, 32, 33, 34 (City)
The natural biological processes that generate odors in a landfill through anaerobic decomposition cannot be prevented or avoided. However, the LFGs shall be prevented from escaping to the

atmosphere through the use of control measures. These measures include using daily and intermediate cover material over deposited wastes, filling any surface cracks with clean dirt as necessary, and extracting LFG through the use of an LFG collection and recovery system and destroying collected gases by combustion.
Operational techniques shall be utilized to control odor sources at the landfill. The size of the working face shall be limited so that the area of waste exposed to the atmosphere is kept to a minimum.
The LFG collection and recovery system shall be installed in phases as each portion of the landfill site is filled. The final system shall contain a network of gas extraction wells, collection system piping, and flaring facilities. Because the LFG generation begins at lower levels of volume and increases during the landfill site life, the gas will be flared initially until sufficient quantities are available for processing into electricity.
If an odor problem should develop, appropriate control measures shall be implemented. These measures include the application of additional dirt daily cover material or more frequent application of the cover material to seal the landfill surface, or adjustments to the wells, equipment, and operation of the LFG collection and recovery system.
To ensure that odors are kept to a minimum, the following odor/LFG monitoring program shall be implemented for the proposed landfill project. The monitoring program shall comply with the requirements of SCAQMD Rule 1150.1 and include:
a. Sample Probe Installation: One monitoring probe per 1,000 feet or as identified by South Coast Air Quality Management District (SCAQMD) and/or Local Enforcement Agency (LEA) in the landfill expansion, and one probe per 650 feet or as identified by SCAQMD and/or LEA in the City Inactive landfill along the landfill perimeter, or whichever is more restrictive shall be installed to identify potential areas of subsurface landfill gas (LFG) migration. These probes shall be monitored to ensure that quantities of LFG beyond regulatory standards do not vent offsite through subsurface soils.
b. Integrated Landfill Surface Sampling: The landfill surface shall be monitored to ensure that the average concentration of total organic compounds over the landfill surface does not exceed SCAQMD's standard of 25 ppm.
c. Ambient Air Samples: 24-hour integrated gas samples and required meteorological data shall be taken to assess any impact the landfill is having on the ambient air quality at the landfill perimeter.
d. Instantaneous Landfill Surface Monitoring: Spot checks on the landfill surface shall be made to determine the maximum concentration of total organic compounds measured as methane, measured at any one point on the surface of the landfill does not exceed the SCAQMD's standard of 500 ppm.
e. Regular Monitoring and Annual Testing: LFG concentrations at perimeter probes, gas collection system headers, the landfill surface, and in ambient air downwind of the landfill shall be monitored once per month or less frequently (but no less than quarterly) as required by the SCAQMD. The LFG collection system shall be adjusted and improved based on quarterly monitoring data and annual stack testing results.

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

Amendment 45.N - 4.a, 4.c, 4.d (County)
Identify and provide status on the measures currently being implemented as required by the AQMD's Order for Abatement.
An odor patrol program, which would include the following at a minimum:

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

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

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

In late October, the monitor drove the Granada Hills neighborhood area from 6:30 to 7:15 a.m., and there were no landfill odors detected. There were slight localized odors coming from the well CLHC 5 area. There were distinct odors coming from a multiple-completion well number 3013-D on the CC-3A top deck. This odor had an unusual burnt smell. The liquid handling facility and sewer connection were operating and had no odors.

In early November, the monitor drove the Granada Hills neighborhood areas from 6:30 to 7:00 a.m. and from 8:45 to 9:20 a.m., and there were no landfill odors detected. There was a strong localized odor on the CC-3A top deck near well 3013D. There were faint gas odors coming from the well south of Basin B. The Alder Tank liquids handling facility and sewer facility were operational with no odors detected.

In late November, the monitor drove the Granada Hills neighborhood area from 8:30 to 9:00 a.m., and there were no landfill odors detected. Liquid stain marks on the pavement on Balboa Boulevard at Woodley Avenue were observed. The street appeared to have been recently cleaned with a deodorant, and no trash odor was detected. All wells were operational on the CC-3B top deck with no odors detected. There was a strong gas and/or liquids odor on the CC-3A top deck

near well 3013. Wells along the top of the slope from CC-3A to deck CC-3B had gas odors around the well heads. There were faint localized odors south of Basin B near wells CTC-703 and LC-5. The Alder liquids handling facility and the sewer facility were operational and had no odors detected.

In mid-December, the monitor drove the neighborhood and school areas from 6:45 to 7:15 a.m., and there were no landfill odors detected. The pavement on Balboa Boulevard at Woodley Avenue was observed and no odors were detected.

Throughout the 4th Quarter, the use of Posi-Shell and Closure Turf to seal inactive fill areas with intermediate cover provided enhanced gas recovery and gas-related odor control.

In the 4th Quarter, the sacrificial liner to the westside drainage channel near the County sage mitigation area was being excavated and replaced. A gas collection horizontal collection system was also being installed under this new liner to reduce and prevent any gas migration to any perimeter probes.

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

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

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

Surface Water - 2.12 (County)
Permanent bench drainage ditches shall be installed when final cover is placed on completed portions of the landfill. These ditches shall be lined. Temporary unlined drainage facilities consisting of diversion ditches (V-ditches) where necessary shall directly intercept natural surface runoff. Any intermittent channel flow in the existing canyon bottom shall be captured, channeled, and conveyed into a sedimentation basin. Diversion ditches shall convey surface runoff from the undisturbed areas to the permanent perimeter ditches for safe transport around the landfill footprint. Surface covers of various types, from mulches to vegetation, shall be used to retard erosion from areas of disturbance. In addition, areas of disturbance shall be kept at a minimum during active filling operations.

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

In the 4th Quarter, it was observed that 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. Extensive grading of slopes and the installation of jute netting and straw wattles have been done throughout the landfill for winterization. The site is prepared for winter rains. The only area not fully ready for rain is in the Cell CC-4 Part 3 buttress area due to active grading that is occurring.

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

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

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

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

M-4.3.1(45) (City)
An erosion control plan would be implemented by the project proponent to prevent stormwater pollution from construction activity. Construction materials, equipment and vehicles would be stored or parked in areas protected from stormwater runoff. Construction material loading and unloading would be in designated areas to minimize any washout due to stormwater runoff. Pre-construction controls would be implemented to include the use of a sandbagging system, including sandbag check dams and sandbag desilting basins, which would be used to limit runoff velocities and minimize sediment in storm water 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 storm water runoff.

Current Status/Comments – The stockpile soils slope adjacent to the office were covered with jute netting. Wattles were not installed. The upper deck had drainage to an HDPE pipe draining it to the parking lot drainage ditch. No wattles were installed. Dirt slopes of CC-4 Part 1, CC-4 Part 2, areas to the north and CC-3A had wattles installed. The Old City South landfill had some HDPE downcomers repaired and new ones installed. Straw wattles were installed on slopes that were graded and unvegetated. The CC-3A slopes above the CC-3B top deck had wattles installed. CC-4 Part 2 HDPE drainage basin was being cleared of sediment. Concrete drainage channels were constructed below Flare 3 and above the Part 3 buttress construction. The dirt slopes adjacent to the westside inlet channel into the terminal basin were graded and repaired. The slopes below the main access road were graded and covered with jute netting. The current erosion control plans should be available for agency and monitor review. This plan should be a living document that keeps up with construction activities.

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

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

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

Current Status/Comments – In late October, Basin A was cleared of sediment, and riser rock was cleaned and replaced. Water was ponding around the outlet risers due to the outlet drain piping being blocked for Part 3 buttress construction. Basin B and Basin D were clean, dry, and ready for winter rain events. The terminal basin had ponding water around the outlet risers. Water was being retained to settle out sediment.

In early November, the CC-3B basin's low flow drain was cleaned of sediment and litter. There was no trash screen installed. Tumble weed was collecting around the drain.

In mid-December, the rains in late November and early December caused a significant amount of erosion on the County slopes adjacent to CC-4 Part 1 and Part 2, and Part 3 buttress. The terminal basin had approximately five feet of sediment against the south end of the gabion wall. Basins B and D had minimal impacts. Basin A had the outlet blocked and filled to near capacity. The water was being pumped into a truck and used for onsite dust control and buttress compaction.

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 should be available for agency and monitor review.

In the 4th Quarter, the high-flow spillway for Basin D into the westside drainage had cracks and spalling that should be repaired. The Basin B high-flow outlet spillway was cracked in multiple places. The terminal basin had vegetation growing in the interior concrete sidewalls.

In mid-October, Basin A was cleared of sediment, and riser rock was cleaned and replaced. Water was ponding around the outlet risers due to the outlet drain piping being blocked for Part 3 buttress construction. Basin B and Basin D were clean, dry, and ready for winter rain events. The terminal basin had ponding water around the outlet risers. Water was being retained to settle out sediment.

In early November, the CC-3B basin's low flow drain was cleaned of sediment and litter. There was no trash screen installed. Tumble weed was collecting around the drain. The dirt basin was ready for winter rains.

In mid-December, the rains in late November and early December caused a significant amount of erosion on the County slopes adjacent to CC-4 Part 1 and Part 2, and Part 3 buttress. The terminal basin had approximately five feet of sediment against the south end of the gabion wall. Basins B and D had minimal impacts. Basin A had the outlet blocked and water was being pumped and used for onsite purposes. All basins should be monitored for sediment buildup.

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, with a double-walled pipeline to the sewer connect at the entrance near San Fernando Road. This system operated with no odor detected at the tank farm or 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 – In late October, the City Deck C sage mitigation area was starting to green up. The removal of non-native vegetation was not yet done. The City Deck B sage mitigation area was being irrigated to raise the soil pH. The City Deck A sage mitigation area's subsurface oxidation near well PCW-224 was extinguished.

In early November, the City Deck B sage mitigation area soil was being pH-conditioned using lime and irrigation. The City Deck C sage mitigation area had not had non-native removal maintenance done. The PM-10 berm oak trees had some recovery from the summer's high heat. Dead trees need to be replanted.

In late November, the City Deck B sage mitigation area soil conditioning was continuing to raise the soil's pH.

In mid-December, the City Deck B sage mitigation area soil testing was being performed. No planting had occurred.

M-4.4.3/72 (City)
Native tree species shall be replaced at a 2:1 (replacement: removal) ratio, consisting of 15-gallon or 5:1 3-gallong container trees. Mitigation trees shall be planted prior to impacted trees being removed, thus allowing tress to grow to specimen size in the field. A specimen-size tree shall be defined as a 15-gallon tree with a minimum trunk caliper of 1-inch measure 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 – The 4th Quarter site report should include an updated mitigation tree report and show the current number of mitigation trees required to be planted, the type of tree, and a schedule for planting. The mitigation trees required should include the trees removed for the Edison power line relocation, CC-4 Part 3 buttress construction, and the mortality of Big Cone Fir mitigation trees. This updated tree report should be included in the year-end site report.

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 Chatsworth wetlands and riparian mitigation project may need to evaluate the impacts of the 2018 Woolsey Fire on the feasibility of the current project.

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

Current Status/Comments – In early November, the monitor drove San Fernando Road to Sierra Highway. There was miscellaneous windblown litter observed. A discarded tire was observed at the north entrance wall.

In late November, the monitor drove San Fernando Road to Sierra Highway. The area was free of windblown litter and dumped debris. There was a dumped piece of plywood along the north landfill entrance wall.

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

Current Status/Comments – Throughout the 4th Quarter of 2018, the south oil field gate and north perimeter gate were 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 – Throughout the 4th Quarter of 2018, the paleontologist was monitoring grading activities in and adjacent to Cell CC-4 Part 3 buttress construction when grading occurred in native, undisturbed areas.

Summary of Requested Documents

The following documents, reports and plans are recommended to be made available at the site for agency and monitor review in order to assist in streamlining the monitoring.

a) Current Fill Sequence Plan.

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.

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

d) The current erosion control plans.

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

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.

g) Comprehensive geotechnical reports.

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.

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 2018 Fourth Quarter Mitigation Monitoring Summary spreadsheets track the progress and completion of tasks as they were accomplished during this quarterly period.

Sunshine Canyon Landfill City Mitigation Monitoring Summary
(10-01-2018 through 12-31-2018)

Line #	Reference #	Mitigation #	City Mitigation Measures and Conditions Monitored by Discipline	Monitoring Frequency	Third Quarter 2018																				Fourth Quarter 2018															
					7/5/2018	Status*	Further Review Needed/Comments**	Resolved*	7/24/2018	Status*	Further Review Needed/Comments**	Resolved*	8/29/2018	Status*	Further Review Needed/Comments**	Resolved*	9/12/2018	Status*	Further Review Needed/Comments**	Resolved*	9/25/2018	Status*	Further Review Needed/Comments**	Resolved*	10/23/2018	Status*	Further Review Needed/Comments**	Resolved*	11/6/2018	Status*	Further Review Needed/Comments**	Resolved*	11/20/2018	Status*	Further Review Needed/Comments**	Resolved*	12/13/2018	Status*	Further Review Needed/Comments**	Resolved*
1	**Project Manager**																																						
2																																							
3																																							
4	Q - A.3.		Definitions	info	/				/				/				/				/				/				/				/				/			
5	Q - A.6.		Submit Annual Reports	June yearly	/				/				/				/				/				/				/				/				/			
6	Q - A.10.		Provision of Fees	yearly	/				/				/				/				/				/				/				/				/			
7	Q - B.1.		Permitted/Prohibited Landfill Uses	yearly	/				/				/				/				/				/				/				/				/			
8	Q - B.2		Approval of Landfill	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
9	Q - B.2.c.		Ancillary Uses and Facilities	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-m		✓	FRN	I-n		✓	FRN	I-o		✓	FRN	I-p		✓	FRN	I-q		✓	FRN	I-r	
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		✓	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		✓	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		✓	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-m		✓	FRN	I-n		✓	FRN	I-o		✓	FRN	I-p		✓	FRN	I-q		✓	FRN	I-r	
18	Q - C.5.		Graffiti Removal and Deterrence	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	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-m		✓	FRN	I-n		✓	FRN	I-o		✓	FRN	I-p		✓	FRN	I-q		✓	FRN	I-r	
20	Q - C.10.d. (1)		Alternative Fuel Vehicles	status																																				
21	Q - C.10.d. (2)		Alternative Fuel Refuse Collection Trucks	status																																				
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-m		✓	FRN	I-n		✓	FRN	I-o		✓	FRN	I-p		✓	FRN	I-q		✓	FRN	I-r	
27	T - 5.j.		Trip Diversion	status	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
28	T - 6		Satisfactory Street Lighting	status	/				/				/				/				/				/				/				/				/			

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

Sunshine Canyon Landfill City Mitigation Monitoring Summary
(10-01-2018 through 12-31-2018)

Line #	Reference #	Mitigation #	City Mitigation Measures and Conditions Monitored by Discipline	Monitoring Frequency	Third Quarter 2018																			Fourth Quarter 2018																
					7/5/2018	Status*	Further Review Needed/Comments**	Resolved*	7/24/2018	Status*	Further Review Needed/Comments**	Resolved*	8/29/2018	Status*	Further Review Needed/Comments**	Resolved*	9/12/2018	Status*	Further Review Needed/Comments**	Resolved*	9/25/2018	Status*	Further Review Needed/Comments**	Resolved*	10/23/2018	Status*	Further Review Needed/Comments**	Resolved*	11/6/2018	Status*	Further Review Needed/Comments**	Resolved*	11/20/2018	Status*	Further Review Needed/Comments**	Resolved*	12/13/2018	Status*	Further Review Needed/Comments**	Resolved*
29																																								
30	M - 4.1.1	7	Reabandonment Procedures	status	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-m		✓	FRN	I-n		✓	FRN	I-o		✓	FRN	I-p		✓	FRN	I-q		✓	FRN	I-r	
31	M - 4.1.4	11	Post-5.0 Earthquake Analysis	upon event	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
32	M - 4.2.12	27	Heavy Equipment Operations	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	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		✓	C	NONE		✓	C	NONE		✓	C	NONE	
34	M - 4.2.12	28	Site Erosion-Cover	ongoing	✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-m		✓	C	I-n		✓	C	I-o		✓	C	I-p		✓	C	I-q		✓	FRN	I-r	
35	M - 4.2.12		Site Erosion-Cell Height	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
36	M - 4.2.12		Site Erosion-Sealant	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-m		✓	FRN	I-n		✓	FRN	I-o		✓	FRN	I-p		✓	FRN	I-q		✓	FRN	I-r	
37	M - 4.2.13	29	LFG Control Measures	ongoing	/		I-j		/		I-k		/		I-l		/		I-m		/		I-n		/		I-o		/		I-p		/		I-q		/		I-r	
38	M - 4.2.13	30	Operational Odor Control Techniques	ongoing	/		I-j		/		I-k		/		I-l		/		I-m		/		I-n		/		I-o		/		I-p		/		I-q		/		I-r	
39	M - 4.2.13	31	Solid Waste Compaction	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	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-m		/		I-n		/		I-o		/		I-p		/		I-q		/		I-r	
41	M - 4.2.13	33	Odor Control Measures	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-m		✓	FRN	I-n		✓	FRN	I-o		✓	FRN	I-p		✓	FRN	I-q		✓	FRN	I-r	
42	M - 4.2.13	34	Odor/LFG Monitoring	ongoing	/		I-j		/		I-k		/		I-l		✓	FRN	I-m		/		I-n		/		I-o		/		I-p		/		I-q		✓	FRN	I-r	
43			Periodic LFG Monitoring		/		I-j		/		I-k		/		I-l		/		I-m		/		I-n		/		I-o		/		I-p		/		I-q		/		I-r	
44	M - 4.3.2	52	LFG Migration Mitigation	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
45	M - 4.3.2	57	Dust Control Water	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
46	M - 4.4.2	69	Offsite Mitigation Sites	status	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-m		✓	FRN	I-n		✓	FRN	I-o		✓	FRN	I-p		✓	FRN	I-q		✓	FRN	I-r	
47	M - 4.4.2	70	Purchasing Wetland Credit	status	/				/				/				/				/				/				/				/				/			
48	M - 4.4.2	71	Funding-Invasive Species Eradication Program	status	/				/				/				/				/				/				/				/				/			
49	M - 4.6	85	Site Lighting	status	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	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		✓	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		✓	C	NONE		✓	C	NONE		✓	C	NONE	
52	M - 4.9.3	107	Litter/Debris Containment	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
53	M - 4.9.3	108	Vehicle Tarping Requirements	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	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		✓	C	NONE		✓	C	NONE		✓	C	NONE	
55	M - 4.9.3	110	Illegal Dumping Activities	ongoing	✓	FRN	I-j		✓	FRN	I-k																		✓	FRN	I-p		✓	FRN	I-q					
56	M - 4.9.3	111	Radio Dispatch Litter Control	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	

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57	M - 4.9.3	112	Litter Control	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
58	M - 4.9.5	127	Address Concerns of Citizens' Advisory Committee	ongoing	/				/				/				/				/				/				/				/				/			
59	M - 4.9.6	128	Landfill Gas/Collection System-Unsafe Methane Levels Monitoring	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	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		✓	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		✓	C	NONE		✓	C	NONE		✓	C	NONE	
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		✓	C	NONE		✓	C	NONE		✓	C	NONE	
64																																								
82	**Civil & Geotechnical Engineer**																																							
83																																								
84																																								
85	M - 4.1.1	2	Grading Outside of Conceptual Grading Plan Area	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-m		✓	FRN	I-n		✓	FRN	I-o		✓	FRN	I-p		✓	FRN	I-q		✓	FRN	I-r	
86	M - 4.1.1	3	Unsuitable Material Removal/Buffer Zones	ongoing																																				
87	M - 4.1.1	4	Grading Outside of Landfill Footprint	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-m		✓	FRN	I-n		✓	FRN	I-o		✓	FRN	I-p		✓	FRN	I-q		✓	FRN	I-r	
88	M - 4.1.1	5	Grading Activity Compliance	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-m		✓	FRN	I-n		✓	FRN	I-o		✓	FRN	I-p		✓	FRN	I-q		✓	FRN	I-r	
89	M - 4.1.2	8	Landslide Guidelines	ongoing																																				
90	M - 4.1.2	9	Soil Stabilization	ongoing																																				
91	M - 4.1.4	10	Landfill Design	ongoing																																				
92	M - 4.1.4	11	Earthquake Operations Checklist	upon event	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
93	M - 4.1.5	12	Geologic Hazards - Liquefaction	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-m		✓	FRN	I-n		✓	FRN	I-o		✓	FRN	I-p		✓	FRN	I-q		✓	FRN	I-r	
94	M - 4.1.5	13	Design/Construction-Liquefaction	ongoing																																				
95	M - 4.1.5	14	Design/Construction-Containment Structures	ongoing																																				
96	M - 4.1.6	15	Refuse Slope Gradients	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
97	M - 4.1.6	16	Cut and Fill Slope Gradients	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
98	M - 4.1.6	17	Final Slope Factors of Safety	ongoing																																				
99	M - 4.1.6	18	Survey Monuments	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-m		✓	FRN	I-n		✓	FRN	I-o		✓	FRN	I-p		✓	FRN	I-q		✓	FRN	I-r	
100	M - 4.3.2	47	Landfill Liner	ongoing																																				
101	M - 4.3.2	48	Landfill Liner	ongoing																																				

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102	M - 4.3.2	54	Preliminary Closure/Postclosure Plan	status																																			
103	M - 4.3.2	55	Landfill Design/Operation/Final Closure Monitoring	status																																			
104	M - 4.3.2	56	Cover Application	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
105	M - 4.14.1	155	Access Roadway Grade	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
106	M - 4.18	178	Landfill Elevation Exceedance	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-m		✓	FRN	I-n		✓	FRN	I-o		✓	FRN	I-p		✓	FRN	I-q		✓	FRN	I-r	
107																																							
108	**Hydrologist**																																						
109																																							
110																																							
111	M - 4.1.4	11	Earthquake Operations Checklist	upon event	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
112	M - 4.3.1	36	Surface Water Infiltration Minimization	ongoing																																			
113	M - 4.3.1	37	Surface Drainage Systems	ongoing	✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-m		✓	C	I-n		✓	C	I-o		✓	C	I-p		✓	C	I-q		✓	C	I-r	
114	M - 4.3.1	38	Permanent/Temporary Ditches	ongoing	✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-m		✓	C	I-n		✓	C	I-o		✓	C	I-p		✓	C	I-q		✓	C	I-r	
115	M - 4.3.1	39	Drainage Protection	ongoing	✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-m		✓	C	I-n		✓	C	I-o		✓	C	I-p		✓	C	I-q		✓	C	I-r	
116	M - 4.3.1	40	SWRCB Permit Coverage	ongoing	✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-m		✓	C	I-n		✓	C	I-o		✓	C	I-p		✓	C	I-q		✓	C	I-r	
117	M - 4.3.1	41	Surface Water Collection System	ongoing																																			
118	M - 4.3.1	42	Surface Water Quality Monitoring	ongoing																																			
119	M - 4.3.1	43	Sediment Basin Maintenance	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l										✓	FRN	I-o		✓	FRN	I-p		✓	FRN	I-q		✓	FRN	I-r	
120	M - 4.3.1	44	Final Landfill Cover	ongoing																																			
121	M - 4.3.1	45	Erosion Control Plan	ongoing	✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-m		✓	C	I-n		✓	C	I-o		✓	C	I-p		✓	C	I-q		✓	C	I-r	
122	M - 4.3.1	46	Preventive Maintenance Program	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-m		✓	FRN	I-n		✓	FRN	I-o		✓	FRN	I-p		✓	FRN	I-q		✓	FRN	I-r	
123	M - 4.3.2	49	Interception of Groundwater Seepage	ongoing																																			
124	M - 4.3.2	50	LCRS/Leachate Monitoring	ongoing	✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-m		✓	C	I-n		✓	C	I-o		✓	C	I-p		✓	C	I-q		✓	C	I-r	
125	M - 4.3.2	51	LCRS Monitoring	ongoing																																			
126																																							

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127	**Biologist**																																							
128																																								
129																																								
130	M - 4.1.1	6	Slope Erosion Control	ongoing	✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-m		✓	C	I-n		✓	C	I-o		✓	C	I-p		✓	C	I-q		✓	C	I-r	
131	M - 4.2.11	23	Revegetation/Excavation	ongoing	✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-m		✓	C	I-n		✓	C	I-o		✓	C	I-p		✓	C	I-q		✓	C	I-r	
132	M - 4.2.12		Temporary Vegetation Cover	ongoing	✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-m		✓	C	I-n		✓	C	I-o		✓	C	I-p		✓	C	I-q		✓	C	I-r	
133	M - 4.4.1	60	Coastal Sage Scrub Mitigation Plan	ongoing	✓	C	I-j		✓	C	I-k		✓	C	I-l						✓	C	I-n		✓	C	I-o		✓	C	I-p		✓	C	I-q		✓	C	I-r	
134	M - 4.4.1	61	Coastal Sage Scrub Seeding	ongoing																																				
135	M - 4.4.1	62	Mariposa Lily Mitigation Plan	ongoing	/				/				/				/				/				/				/				/				/			
136	M - 4.4.1	63	San Diego Horned Lizard Mitigation	ongoing	/				/				/				/				/				/				/				/				/			
137	M - 4.4.1	64	California Gnatcatcher Surveys	ongoing	/				/				/				/				/				/				/				/				/			
138	M - 4.4.1	65	Least Bell's Vireo Surveys	ongoing	/				/				/				/				/				/				/				/				/			
139	M - 4.4.1	66	Western Burrowing Owl Surveys	ongoing	/				/				/				/				/				/				/				/				/			
140	M - 4.4.1	67	Migratory Bird Treaty Act	ongoing	/				/				/				/				/				/				/				/				/			
141	M - 4.4.1	68	Raptor Nests Habitat	ongoing	/				/				/				/				/				/				/				/				/			
142	M - 4.4.3	72	Native Tree Mitigation	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-m		✓	FRN	I-n		✓	FRN	I-o		✓	FRN	I-p		✓	FRN	I-q		✓	FRN	I-r	
143	M - 4.4.3	73	Nonnative Tree Mitigation	status	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
144	M - 4.4.3	74	Mitigation Tree Planting	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
145	M - 4.4.3	75	Tree Planting Mitigation Site Prep	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
146	M - 4.4.3	76	Poultry Wire Screen	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
147	M - 4.4.3	77	Backfill Material	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
148	M - 4.4.3	78	Tree Planting Procedure	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
149	M - 4.4.3	79	Tree Area Mulching	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
150	M - 4.4.3	80	Tree Irrigation/Fertilization	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
151	M - 4.4.3	81	Irrigation System	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
152	M - 4.4.3	82	Annual Tree Monitoring Report	annual	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-m		✓	FRN	I-n		✓	FRN	I-o		✓	FRN	I-p		✓	FRN	I-q		✓	FRN	I-r	
153	M - 4.9.2	96	Vector Activity Monitoring	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
154	M - 4.9.2	97	Vector Elimination	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
155	M - 4.9.2	98	Fly Control	ongoing																																				
156	M - 4.9.2	99	Rodent Control	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	

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157	M - 4.9.2	100	Operational Vector-Limiting Activity	ongoing																																				
158	M - 4.9.2	101	Equipment Cleanliness/Maintenance	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
159	M - 4.9.2	102	Storage of Vector-Attracting Items	ongoing																																				
160	M - 4.9.2	103	Salvaged Material Storage-Vector Control	ongoing																																				
161	M - 4.9.2	104	Periodic Vector Inspections	ongoing																																				
162	M - 4.9.2	105	Implementation of Vector Control Measures	ongoing																																				
163																																								
164	**Air Quality & Noise Specialist**																																							
165																																								
166																																								
167	M - 4.2.11	19	Emissions Mitigation Measures	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
168	M - 4.2.11	19	Construction Curtailing due to Pollution	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
169	M - 4.2.11	20	Dust Lofting Minimization	ongoing																																				
170	M - 4.2.11	21	Wind Speed Monitoring	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
171	M - 4.2.11	22	Grading-Dust Reduction	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
172	M - 4.2.12	24	Construction Equipment Maintenance	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
173	M - 4.2.12		Construction Curtailing due to Pollution	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
174	M - 4.2.12	25	Refuse Trucks-Maintenance	ongoing																																				
175	M - 4.2.12		Refuse Trucks-Engine	ongoing																																				
176	M - 4.2.12		Refuse Trucks-Fee Schedule	ongoing																																				
177	M - 4.2.12		Refuse Trucks-Fee Schedule Delivery Time	ongoing																																				
178	M - 4.2.12		Refuse Trucks-Idling	ongoing																																				
179	M - 4.2.12		Refuse Trucks-Emissions	ongoing																																				
180	M - 4.2.12	26	Truck Travel and Fugitive Dust Emissions	ongoing																																				
181	M - 4.2.12		Truck Travel and Fugitive Dust Emissions	ongoing																																				
182	M - 4.2.12		Truck Travel and Fugitive Dust Emissions	ongoing																																				
183	M - 4.2.12		Truck Travel and Fugitive Dust Emissions	ongoing																																				
184	M - 4.5.2	83	Landfill Hours	info	/				/				/				/				/				/				/				/				/			
185	M - 4.5.2	84	Landfill Equipment-Noise Reduction	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
186																																								

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187	**Hydrology, Hazardous Waste / Risk of Upset**																																							
188																																								
189																																								
190	M - 4.3.2	53	Groundwater Monitoring Wells	ongoing																																					
191	M - 4.3.2	58	Operation as Class III Landfill	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
192	M - 4.3.2	59	Underground Fuel Storage	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
193	M - 4.9.1	90	Refuse Inspection Program	ongoing																																					
194	M - 4.9.1	91	Hazardous Waste Load-Checking	status																																					
195	M - 4.9.1	93	Hazardous Waste Detection Training	status																																					
196	M - 4.9.1	94	Spill Response Program	status																																					
197	M - 4.9.4	115	Safety Inspections/Checklists	ongoing																																					
198	M - 4.9.4	118	Accident/Injury reports, Inspections	status																																					
199	M - 4.9.4	121	Fire Prevention Plan	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-m		✓	FRN	I-n		✓	FRN	I-o		✓	FRN	I-p		✓	FRN	I-q		✓	FRN	I-r	
200	M - 4.9.4	123	Personal Protective Equipment	ongoing																																					
201	M - 4.9.4	125	Site Access/Fencing	ongoing	✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-m		✓	C	I-n		✓	C	I-o		✓	C	I-p		✓	C	I-q		✓	C	I-r	
202	M - 4.14.1	147	Fire Response Capabilities	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
203	M - 4.14.1	148	Hydrant Installation	ongoing																																					
204																																								
205	**Archaeologist**																																							
206																																								
207																																								
208	M - 4.19.1	183	Archaeological Resurvey	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
209	M - 4.19.1	184	Onsite Archaeologist	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
210	M - 4.19.1	185	Archaeological Resources	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
211	M - 4.19.1	186	Archaeological Resources	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
212																																								

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213	**Paleontologist**																																							
214																																								
215																																								
216	M - 4.19.2	187	Paleontological Resources Resurvey	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
217	M - 4.19.2	188	Paleontological Resources Excavation	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
218	M - 4.19.2	189	Paleontological Resources Training	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
219	M - 4.19.2	190	Paleontological Resources Recovery	ongoing																																				
220	M - 4.19.2	191	Paleontological Resources Inspection	ongoing	✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-m		✓	C	I-n		✓	C	I-o		✓	C	Ip		✓	C	I-q		✓	C	I-r	

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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		✓	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		✓	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-m		/		I-n		/		I-o		/		I-p		/		I-q		/		I-r	
7	Amendment 45.N - 4.c	45N	Odor Patrol Program	ongoing	/		I-j		/		I-k		/		I-l		/		I-m		/		I-n		/		I-o		/		I-p		/		I-q		/		I-r	
8	Amendment 45.N - 4.d	45N	Landfill Gas Mitigation Plan	ongoing	/		I-j		/		I-k		/		I-l		/		I-m		/		I-n		/		I-o		/		I-p		/		I-q		/		I-r	
9	Amendment 45.N - 5	45N	Dust and Odor Reports	ongoing	/		I-j		/		I-k		/		I-l		/		I-m		/		I-n		/		I-o		/		I-p		/		I-q		/		I-r	
10																																								
11	Combined Site & Bridge Area -20.A	20.A	Joint Powers Authority	info	/				/				/				/				/				/				/				/				/			
12	Combined Site & Bridge Area -20.F	20.F	Mitigation Reporting and Monitoring Program Amendment	status	/				/				/				/				/				/				/				/				/			
13	Landfill Capacity - 27	27	Tipping Fees for Partial Loads/Peak Hours	status																																				
14	Grading & Drainage-41.A -.D	41A-D	Water Conservation	status	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
15	Revegetation - 44.F	44.F	Revegetation	status	✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-m		✓	C	I-n		✓	C	I-o		✓	C	I-p		✓	C	I-q		✓	C	I-r	
16	Fugitive Dust - 45.B	45.B	Working Face Areas	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
17	Fugitive Dust - 45.F	45.F	Inactive Areas Monitoring	ongoing	✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-m		✓	C	I-n		✓	C	I-o		✓	C	I-p		✓	C	I-q		✓	C	I-r	
18	Fugitive Dust - 45.I	45.I	Cleaning of Roads	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
19	Litter Control - 46.A - .D	46A-D	Litter Control Program	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
20	Gas - 52	52	Landfill Gas Collection System	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-m		✓	FRN	I-n		✓	FRN	I-o		✓	FRN	I-p		✓	FRN	I-q		✓	FRN	I-r	
21	Traffic - 57	57	Traffic Improvements	status	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	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		✓	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		✓	C	NONE		✓	C	NONE		✓	C	NONE	
24	Permittee Fees - 64 - 72	64-72	Permittee Fees	info	/				/				/				/				/				/				/				/				/			
25	Permittee Fees - 69	69	Permittee Fees-Contributions	info	/				/				/				/				/				/				/				/				/			
26	Permittee Fees - 70	70	Permittee Fees	info	/				/				/				/				/				/				/				/				/			
27	Permittee Fees - 72	72	Permittee Fees	info	/				/				/				/				/				/				/				/				/			
28	Alternative Fuel Vehicles - 77.A	77.A	Alternative Fuel Vehicles-Light Duty	status	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
29	Alternative Fuel Vehicles - 77.B	77.B	Alternative Fuel Vehicles-Refuse/Collection Trucks	status	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
30	Alternative Fuel Vehicles - 77.C	77.C	Alternative Fuel Vehicles-Report	status																																				
31	Alternative Fuel Vehicles - 77.D	77.D	Alternative Fuel Vehicles-heavy-duty, alternative fuel off-road equipment pilot program	status																																				
32	Alternative Fuel Vehicles - 77.E	77.E	Alternative Fuel Vehicles-Non-diesel Requirements	status																																				

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33	Alternative Fuel Vehicles - 77.F	77.F	Alternative Fuel Vehicles-Non-diesel Truck Trip Requirements	status																																			
34	Alternative Fuel Vehicles - 77.G	77.G	Alternative Fuel Vehicles-Clean Fuel Demo Program	status																																			
35	Alternative Fuel Vehicles - 77.H	77.H	Alternative Fuel Vehicles-Compliance Evaluation	status																																			
36	Air Quality Monitoring - 81	81	Air Quality Monitoring-Testing	ongoing	/				/				/				/				/				/				/				/				/			
37			Air Quality Monitoring-Testing																																					
38	IMP - Part I.A	IMP1	Air Quality Monitoring-Testing	ongoing	/				/				/				/				/				/				/				/				/			
39			Air Quality Monitoring-Testing																																					
40	IMP - Part VI	IMP6	Air Quality Monitoring-Testing	ongoing	/				/				/				/				/				/				/				/				/			
41																																								
42	MMRS-12/01/06		Mitigation Monitoring and Reporting Summary	info	/				/				/				/				/				/				/				/				/			
43			Permits																																					
44	Geology - 1.15		Permittee's On-site Solid Waste Recovery and Recycling Program	status	/				/				/				/				/				/				/				/				/			
45	Surface Water - 2.09		SWRCB Permit Coverage	ongoing	/				/				/				/				/				/				/				/				/			
46	Surface Water - 2.15		Surface Water Preventive Maintenance Program	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-m		✓	FRN	I-n		✓	FRN	I-o		✓	FRN	I-p		✓	FRN	I-q		✓	FRN	I-r	
47	Groundwater - 3.13		Groundwater-LFG Migration Mitigation	ongoing																																			
48	Groundwater - 3.14		Groundwater-Monitoring Wells	ongoing																																			
49	BIOTA – 4.05		Annual Fee Submission for SEA Studies	status	/				/				/				/				/				/				/				/				/			
50	BIOTA – 4.06		Buffer Zone Maintenance as Nature Preserve	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	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		✓	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		✓	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		✓	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		✓	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		✓	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-m		✓	FRN	I-n		✓	FRN	I-o		✓	FRN	I-p		✓	FRN	I-q		✓	FRN	I-r	
58	Air Quality - 6.04		Usage of Cut Material for Cover	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
59	Air Quality - 6.05		Operations in Accordance with SCAQMD/DOPW Requirements	info	/				/				/				/				/				/				/				/				/			
60	Air Quality - 6.06		Landfill Gas Control/Extraction System/Monitoring	ongoing	/				/				/				/				/				/				/				/				/			
61	Air Quality - 6.07		Flaring Systems	info	/				/				/				/				/				/				/				/				/			
62	Air Quality - 6.08		Management of Truck Arrivals	ongoing																																			
63	Air Quality - 6.10		Refuse Truck Mitigation	status																																			
64	Air Quality - 6.11		Light Duty Alternative Fuel Vehicles	status	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	

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65	Air Quality - 6.11		Alternative Fuel Refuse Collection/Transfer Trucks	status																																				
66	Air Quality - 6.11		Alternative Fuel Vehicle Report Submission	status																																				
67	Air Quality - 6.11		Heavy-duty, Alternative Fuel Off-Road Equipment Pilot Program	status																																				
68	Air Quality - 6.11		Non-Diesel, Alternative Fuel Vehicles-Transfer/Collection Trucks	status																																				
69	Air Quality - 6.11		Non-Diesel, Alternative Fuel Vehicles Truck Trips	status																																				
70	Air Quality - 6.11		Clean Fuel Demonstration Program	status																																				
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		✓	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		✓	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	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	R	✓	FRN	I-m		✓	FRN	I-n		✓	FRN	I-o		✓	FRN	I-p		✓	FRN	I-q		✓	FRN	I-r	
76	Odor/Landfill Gas – 7.06		Odor Control Measures	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	R	✓	FRN	I-m		✓	FRN	I-n		✓	FRN	I-o		✓	FRN	I-p		✓	FRN	I-q		✓	FRN	I-r	
77	Odor/Landfill Gas – 7.07		Gas Recovery and Sale	status	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	R	✓	FRN	I-m		✓	FRN	I-n		✓	FRN	I-o		✓	FRN	I-p		✓	FRN	I-q		✓	FRN	I-r	
78	Traffic/Circulation – 8.03		Street Light Installation	status	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	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		✓	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		✓	C	NONE		✓	C	NONE		✓	C	NONE	
89	Visual – 10.11		Debris Removal at Entrance	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
90	Visual – 10.11		Litter Control-Fencing	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
91	Visual – 10.11		Periodic Litter Pickup	ongoing	✓	C	NONE		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-m		✓	FRN	I-n		✓	C	NONE		✓	FRN	I-p		✓	FRN	I-q		✓	C	NONE	
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		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
95	Recycling - 14.01		On-site Waste Diversion/Recycling	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
96	Recycling - 14.03		Tonnage Disposal Determination	info	/				/				/				/				/				/				/				/				/			

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97	Recycling - 14.04		Recycling-Various Tasks	info	/				/				/				/				/				/				/				/				/			
98			Clean Dirt Procedures																																					
99	Site - 15.11		Reclaimed Water Utilization	status	/				/				/				/				/				/				/				/				/			
100	Site - 15.12		Water Conservation Measures	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
101	Admin Rpts/Pgms - 17.4		Operation Compliance	info	/				/				/				/				/				/				/				/				/			
102	Admin Rpts/Pgms -17.10		Fill Sequencing Plans	status																																				
103	Admin Rpts/Pgms-17.15		Quarterly Newsletter	status																																				
104	Landfill Operation - 18.7		Graffiti Removal/Deterrent Plan	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
122																																							
123	**Civil & Geotechnical Engineer**																																							
124																																							
125																																							
126	Revegetation - 44.C	44.C	Cut Slope Requirements	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
127																																							
128	Geology - 1.01		Survey Monument Locations	ongoing																																				
129	Geology - 1.02		Seismic Design	ongoing																																				
130	Geology - 1.03		Maximum Refuse Slope Gradients	ongoing																																				
131	Geology - 1.04		Maximum Refuse Slope Gradients	ongoing																																				
132	Geology - 1.05		Unsuitable Material Procedures	ongoing																																				
133	Geology - 1.06		Grading Activities Procedures	ongoing																																				
134	Geology - 1.07		Grading Activities Procedures	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-m		✓	FRN	I-n		✓	FRN	I-o		✓	FRN	I-p		✓	FRN	I-q		✓	FRN	I-r	
135	Geology - 1.09		Outer Perimeter Ridgeline Requirements	info																																				
136	Geology - 1.12		Soil Stabilization	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-m		✓	FRN	I-n		✓	FRN	I-o		✓	FRN	I-p		✓	FRN	I-q		✓	FRN	I-r	
137	Geology - 1.16		Checklists/Surveys Following Earthquake	upon event	✓	NA	NONE		✓	NA	NONE		✓	NA	NONE		✓	NA	NONE		✓	NA	NONE		✓	NA	NONE		✓	NA	NONE		✓	NA	NONE		✓	NA	NONE	
138	Geology - 1.18		Alluvium-Removal/Replacement	ongoing																																				
139	Geology - 1.19		Landfill Design/Construction	ongoing																																				
140	Geology - 1.20		Landfill Design/Construction-Foundations	ongoing																																				
141	Surface Water - 2.03		Surface Drainage Control Facilities	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
142	Surface Water - 2.05		Underdrain Requirements	ongoing																																				
143	Surface Water - 2.06		Final Cover for Surface Water Runoff Control	ongoing																																				
144	Groundwater - 3.02		Liner System Requirements	ongoing																																				
145	Groundwater - 3.04		Onsite Inspector for Liner Installation	ongoing																																				
146	Groundwater - 3.09		Alluvium Removal	ongoing																																				
147	Visual – 10.01		Landfill Elevations	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-m		✓	FRN	I-n		✓	FRN	I-o		✓	FRN	I-p		✓	FRN	I-q		✓	FRN	I-r	

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148	Visual – 10.02		Final Fill Elevations	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-m		✓	FRN	I-n		✓	FRN	I-o		✓	FRN	I-p		✓	FRN	I-q		✓	FRN	I-r	
149																																								
150	**Hydrologist**																																							
151																																								
152																																								
153	Grading & Drainage - 38	38	Installation of Drainage Structures	ongoing																																				
154																																								
155	Geology - 1.17		Landfill Design/Construction-Seismic	ongoing																																				
156	Surface Water - 2.01		Surface Water Runoff Interception	ongoing																																				
157	Surface Water - 2.02		Surface Water Runoff Collection	ongoing																																				
158	Surface Water - 2.03		Surface Drainage Control-Maintenance	ongoing	✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-m		✓	C	I-n		✓	C	I-o		✓	C	I-p		✓	C	I-q		✓	C	I-r	
159	Surface Water - 2-04		Sedimentation Basin Capabilities	ongoing																																				
160	Surface Water - 2.05		Underdrain Placement	ongoing																																				
161	Surface Water - 2.07		Drainage Control System Design Approval	ongoing																																				
162	Surface Water - 2.08		Surface Water Runoff-Drainage System	ongoing																																				
163	Surface Water - 2.10		Surface Water Collection System-Monitoring	ongoing	✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-m		✓	C	I-n		✓	C	I-o		✓	C	I-p		✓	C	I-q		✓	C	I-r	
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-m		✓	C	I-n		✓	C	I-o		✓	C	I-p		✓	C	I-q		✓	C	I-r	
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-m		✓	FRN	I-n		✓	FRN	I-o		✓	FRN	I-p		✓	FRN	I-q		✓	FRN	I-r	
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-m		✓	C	I-n		✓	C	I-o		✓	C	I-p		✓	C	I-q		✓	C	I-r	
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-m		✓	C	I-n		✓	C	I-o		✓	C	I-p		✓	C	I-q		✓	C	I-r	
181	Geology - 1.14		Personnel Retention for Monitoring Soil Erosion	ongoing	✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-m		✓	C	I-n		✓	C	I-o		✓	C	I-p		✓	C	I-q		✓	C	I-r	
182	Groundwater - 3.11		Irrigation/Revegetation Management-Personnel Retention	ongoing																																				

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183	BIOTA – 4.10		Oak Tree Permit	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-m		✓	FRN	I-n		✓	FRN	I-o		✓	FRN	I-p		✓	FRN	I-q		✓	FRN	I-r	
184	BIOTA – 4.11		Oak Tree Mitigation Plan	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-m		✓	FRN	I-n		✓	FRN	I-o		✓	FRN	I-p		✓	FRN	I-q		✓	FRN	I-r	
185	BIOTA – 4.13		Oak Tree Mitigation Counting	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
186	BIOTA – 4.20		Poultry Wire Screen	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	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		✓	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-m		✓	FRN	I-n		✓	FRN	I-o		✓	FRN	I-p		✓	FRN	I-q		✓	FRN	I-r	
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		✓	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		✓	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		✓	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		✓	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		✓	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		✓	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-m		✓	C	I-n		✓	FRN	I-o		✓	FRN	I-p		✓	FRN	I-q		✓	FRN	I-r	
202	BIOTA – 4.43		Replacement Riparian Habitat	status	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-m		✓	FRN	I-n		✓	FRN	I-o		✓	FRN	I-p		✓	FRN	I-q		✓	FRN	I-r	
203	Air Quality - 6.02		Dust Control	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-m		✓	FRN	I-n		✓	FRN	I-o		✓	FRN	I-p		✓	FRN	I-q		✓	FRN	I-r	
204	Visual – 10.06		Upper Ridge Planting/Revegetation	ongoing																																				
205	Visual – 10.07		Tree Planting Around Perimeter	ongoing																																				
206	Visual – 10.08		Cover/Revegetation Requirements	ongoing	✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-m		✓	C	I-n		✓	FRN	I-o		✓	FRN	I-p		✓	FRN	I-q		✓	FRN	I-r	
207	Visual – 10.08		Solid Waste Disposal Procedures	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	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		✓	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		✓	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		✓	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		✓	C	NONE		✓	C	NONE		✓	C	NONE	
215																																						

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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-m		✓	FRN	I-n		✓	FRN	I-o		✓	FRN	I-p		✓	FRN	I-q		✓	FRN	I-r	
220	Fugitive Dust - 45.I	45.I	Paved Roads-Cleaning	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	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		✓	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		✓	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		✓	C	NONE		✓	C	NONE		✓	C	NONE	
228	Air Quality – 6.01		Soil Stockpile Requirements	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	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		✓	C	NONE		✓	C	NONE		✓	C	NONE	
230	Air Quality – 6.01		Soil Sealant	ongoing																																				
231	Air Quality – 6.01		Dust Emissions-Road Maintenance	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
232	Air Quality – 6.01		Access Roads-Paving	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	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		✓	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		✓	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		✓	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		✓	C	NONE		✓	C	NONE		✓	C	NONE	
244	Admin Rpts/ Pgms-17.16		Air Quality Monitoring-Corrective Action Plan	ongoing	/				/				/				/				/				/				/				/				/			
246																																								

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247	**Hydrology, Hazardous Waste / Risk of Upset**																																						
248																																							
249																																							
250	IMP - Part IV.E	IMP4	Load Inspection-Random Manual	ongoing																																			
251																																							
252	Groundwater - 3.05		Leachate Collection and Removal System	ongoing																																			
253	Groundwater - 3.15		Underground Diesel Fuel Storage Tanks	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	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		✓	C	NONE		✓	C	NONE		✓	C	NONE	
255	Fire Service - 12.03		On-site Fire Response Capabilities-Roads/Water	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
256	Fire Service - 12.04		On-site Fuel Storage Tanks-Permit Issuance	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
257	Fire Service - 12.05		Building Limits	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
258	Fire Service - 12.06		Methane Gas Monitoring-On-site Structures	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	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																																							

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272	**Archaeologist**																																							
273																																								
274																																								
275	Ecological Significance - 62	62	Archaeological/Paleontological Identification/Conservation Program	ongoing	✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-m		✓	C	I-n		✓	C	I-o		✓	C	I-p		✓	C	I-q		✓	C	I-r	
276	IMP - Part VII.B	IMP7	Archaeological/Paleontological Report Submission	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
277	Archaeological – 5.01		Archaeological Resurvey	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
278	Archaeological – 5.02		Onsite Archaeologist	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
279	Archaeological – 5.03		Onsite Paleontologist	ongoing	✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-m		✓	C	I-n		✓	C	I-o		✓	C	I-p		✓	C	I-q		✓	C	I-r	
280	Archaeological – 5.04		Archaeological/Paleontological Identification Instruction	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	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		/	NA	NONE		/	NA	NONE		/	NA	NONE	
282																																								
283	**Paleontologist**																																							
284																																								
285																																								
286	Ecological Significance - 62	62	Archaeological/Paleontological -Material Identification/Conservation	ongoing	✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-m		✓	C	I-n		✓	C	I-o		✓	C	I-p		✓	C	I-q		✓	C	I-r	
287	IMP - Part VII.B	IMP7	Archaeological/Paleontological-Report Submission	ongoing																																				

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Appendix I
Further Review Needed Comments: Reference I-o through I-r
Fourth Quarter 2018 Site Visits

Discipline	City Condition Reference # / Mitigation #	County Condition Reference #/ Mitigation #	Responsible Agency	Further Review Needed – Comments
Project Manager	Q – B.2.c		City Planning	I-o through I-r: The CC-4 Part 3 buttress grading was occurring during the 4th Quarter of 2018. This grading and buttress construction is the only grading being done outside of the prior-approved landfill footprint. I-o: The toe berm for CC-4 Part 3 buttress was being constructed. Soil was being placed and wheel compacted by scrapers. Soil compaction was being tested. A paleontologist was on site monitoring the CC-4 Part 3 buttress grading. The Part 3 buttress soil stockpiled on the County north top deck was approximately 40 to 50 feet high. CC-4 Part 1 was accepting waste, while Part 2 was idle. No operational issues were noted. I-p: CC-4 Part 3 buttress was still under construction. A temporary basin was constructed to handle any rain runoff. A paleontologist was on site monitoring the CC-4 Part 3 buttress grading. Cell CC-4 Part 1/Part 2 was accepting waste. No operational concerns were observed. I-q: The CC-4 Part 3 buttress had grading and soil placement underway. A paleontologist was on site monitoring grading in native areas. Excess soil was being stockpiled on the County's north top deck. I-r: The CC-4 Part 3 buttress had grading and soil placement occurring. A paleontologist was on site monitoring grading in native areas.
		Geology - 1.07	County DPW EPD/SCL-LEA	I-o through I-r: See Q – B.2.c above.
		Geology - 1.12	County DPW EPD/SCL-LEA	I-o through I-r: See Q – B.2.c above.
	Q - C.3.h		City Planning	I-o through I-r: There are numerous dirt access roads that are used daily, but infrequently. When used, blowing dust is a concern. The use of a soil sealant or limiting the use of dirt roads to those that are watered should be considered. The use of a soil sealant on temporary construction roads should be evaluated. The use of water trucks was not effective in controlling dust on these roads. The dirt haul road on the east side of CC-3A had dust clouds that occurred in between water truck water applications. The use of recycled asphalt and soil binder should be considered for this area.

Discipline	City Condition Reference # / Mitigation #	County Condition Reference #/ Mitigation #	Responsible Agency	Further Review Needed – Comments
Project Manager	Q - C.10.c		City Planning	I-o: The gas-to-energy plant was using 10,016 SCFM of recovered landfill gas, 46% CH4, 2.2% O2, 60 ppm H2S. Flare 1: 2260 SCFM; Flare 3: shut down; Flare 9: shut down; Flare 10: 2481 SCFM; Flare 11: 2487 SCFM. The total volume of landfill gas being recovered was 17,244 SCFM. I-p: The gas-to-energy plant was using 9355 SCFM of recovered landfill gas, 46% CH4, 1.5% O2, 62 ppm H2S. Flare 1: 2169 SCFM; Flare 3: shut down; Flare 9: shut down; Flare 10: 3432 SCFM; Flare 11: 3425 SCFM. The total volume of landfill gas being recovered was 18,381 SCFM. I-q: The gas-to-energy plant was using 9296 SCFM of recovered landfill gas, 49% CH4, 1.3% O2, 61 ppm H2S. The facility was at 100% production. Flare 1: 2190 SCFM; Flare 3: shut down; Flare 9: 2397 SCFM; Flare 10: 2425 SCFM; Flare 11: 2543 SCFM. The total volume of landfill gas being recovered was 18,851 SCFM. I-r: The gas-to-energy plant was using 9096 SCFM of recovered landfill gas, 46% CH4, 1.9% O2, 86 ppm H2S. Flare 1: 2182 SCFM; Flare 3: shut down; Flare 9: 2354 SCFM; Flare 10: 2395 SCFM; Flare 11: 2373 SCFM. The total volume of landfill gas being recovered was 18,400 SCFM. I-o through I-r: The quantity of landfill gas being recovered during the 4th Quarter has averaged 18,219 SCFM, with the gas-to-energy plant usage averaging 9440 SCFM. An expansion of the gas-to-energy plant or different beneficial use facility should be evaluated.
		Odor/Landfill Gas - 7.07	County Planning/SCAQMD SCL-LEA	I-o through I-r: See Q - C.10.c above.
		Gas - 52	County DPW EPD/SCL-LEA County Forester Fire Warden	I-o through I-r: See Q - C.10.c above.
	T-4		City Planning, City Fire Department	I-o through I-r: An updated fire plan showing the new locations of all facilities and emergency egress should be prepared and sent to the local City fire department station and City and County planning when construction of the new operation's facilities currently under construction have been completed. Emergency egress should be posted for employees and customers. It is recommended that the local City fire department station personnel should visit the site and be given the latest facility plot plan showing access roads and facilities.
		Fire Service - 12.03	County DPW EPD/SCL-LEA County Forester Fire Warden	I-o through I-r: See T-4 above.
	M - 4.1.1 / 7		City Planning, DOGGR	I-o through I-r: The two old oil well steel casings in the area north of the landfill offices are located in the CC-4 Part 3 buttress grading area. These wells have been uncovered and marked with orange paint. These wells will need to be re-abandoned after grading has been completed. The old abandoned oil well casing adjacent to the new secondary access road from the Flare 11 site should be checked and reabandoned, if required. None of the wells appear to be leaking oils or gas, nor pose a current hazard.
		Re-abandonment Procedures	County Planning, County DPW EPD/SCL-LEA, DOGGR	I-o through I-r: See M - 4.1.1 / 7 above.

Discipline	City Condition Reference # / Mitigation #	County Condition Reference #/ Mitigation #	Responsible Agency	Further Review Needed – Comments
Project Manager	M - 4.2.12 / 26 and 28		City Planning/SCAQMD	I-o through I-r: During the 4th Quarter, Closure Turf was functioning well and being maintained. Gas and liquids recovery systems from under the Closure Turf were performing well. The Posi-Shell areas were being maintained, but being reduced in area covered. Some of these areas were replaced with Closure Turf. In late November, numerous areas of the inactive site and completed buttress slopes were hydroseeded. The perimeter landfill road was improved using recycled concrete and asphalt. Dust was not being generated by use of this road. The dirt section of the main access road to CC-4 Parts 1 and 2 had areas near the CC-3B top deck and the east-facing CC-3A slopes that had dust emissions being generated by disposal trucks. Water from water trucks was not effective in controlling the dust. Recycled asphalt or rock was not being used. No soil binder was being applied in this area.
		Fugitive Dust - 45.F	County DPH/County LEA County DPW-EPD County Biologist	I-o through I-r: See M - 4.2.12 / 28 above.
	M -4.2.13/ 29, 30, 32, 34		City Planning/SCL-LEA/SCAQMD	I-o through I-r: 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-o through I-r: See M -4.2.13/ 29, 30, 32, 34 above.
		Amendment 45.N-5	County DPW-EPD	I-o through I-r: See M -4.2.13/ 29, 30, 32, 34 above.
	M - 4.2.13 / 33		City Planning/SCAQMD	I-o: The monitor drove the Granada Hills neighborhood area from 6:30 to 7:15 a.m. and there were no landfill odors detected. There were slight localized odors coming from the well CLHC 5 area. There were moderated odors coming from a multiple-completion well 3013-D on the CC-3A top deck. This odor had an unusual burnt smell. The liquid handling facility and sewer connection were operating and had no odors. I-p: The monitor drove the Granada Hills neighborhood areas from 6:30 to 7:00 a.m. and from 8:45 to 9:20 a.m., and there were no landfill odors detected. There was a strong localized odor on the CC-3A top deck near well 3013D. There were faint gas odors coming from the well south of Basin B. The Alder Tank liquids handling facility and sewer facility were operational with no odors detected. I-q: The monitor drove the Granada Hills neighborhood area from 8:30 to 9:00 a.m., and there were no landfill odors detected. Liquid stain marks on the pavement on Balboa Boulevard at Woodley Avenue were observed. The street appeared to have been recently cleaned with a deodorant, and no trash odor was detected. All wells were operational on the CC-3B top deck with no odors detected. There was a strong gas and/or liquids odor on the CC-3A top deck near well 3013. Wells along the top of slope to deck CC-3B had gas odors around the well heads. There were faint localized odors south of Basin B near wells CTC-703 and LC-5. The Alder liquids handling facility and the sewer facility were operational and had no odors detected. I-r: The monitor drove the neighborhood and school areas from 6:45 to 7:15 a.m., and there were no landfill odors detected. The pavement on Balboa Boulevard at Woodley Avenue was observed and no odors were detected. I-o through I-r: The use of Posi-Shell and Closure Turf to seal fill areas with intermediate cover provided enhanced gas recovery and gas-related odor control.

Discipline	City Condition Reference # / Mitigation #	County Condition Reference #/ Mitigation #	Responsible Agency	Further Review Needed – Comments
Project Manager	M - 4.2.13 / 34		City Planning/SCAQMD	I-o through I-r: The sacrificial liner to the westside drainage channel near the County sage mitigation area was being excavated and replaced. A gas collection horizontal collection system was being installed to reduce and prevent any gas migration to any perimeter probes.
		Odor/Landfill Gas - 7.06	County DPW-EPD/SCL-LEA/SCAQMD	I-o through I-r: See M-4.2.13/33 and 34 above.
		Amendment 45.N - 4.a, 4.c, 4.d	County DPW-EPD	I-o through I-r: See M-4.2.13/29, 30, 32, 33, and 34 above.
		Amendment 45.N - 5	County DPW-EPD	I-o through I-r: See M-4.2.13/29, 30, 32, 33, and 34 above.
		Surface Water - 2.15	County DPW EPD/ LARWQCB, SCL- LEA	I-o through I-r: 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 should be available for agency and monitor review. The high-flow spillway for Basin D into the westside drainage has cracks and spalling that should be repaired. The Basin B high-flow outlet spillway was cracked in multiple places. The terminal basin has vegetation growing in the interior concrete sidewalls. I-o: Basin A was cleared of sediment, and the riser rock was cleaned and replaced. Water was ponding around the outlet risers due to the outlet drain piping being blocked for Part 3 buttress construction. Basin B and Basin D were clean, dry and ready for winter rain events. The terminal basin had ponding water around the outlet risers. Water was being retained to settle out sediment. I-p: The CC-3B basin's low flow drain was cleaned of sediment and litter. There was no trash screen installed. Tumble weed was collecting around the drain. I-r: The rains in late November and early December caused a significant amount of erosion on the County slopes adjacent to CC-4 Part 1 and 2, and Part 3 buttress. The terminal basin had approximately five feet of sediment against the south end of the gabion wall. Basins B and D had minimal impacts. Basin A had the main outlet blocked, and water was being pumped and used for onsite purposes.
	M - 4.4.2/ 69		City Planning	I-r: The Chatsworth wetlands and riparian mitigation project may need to evaluate the impacts of the Woolsey Fire on the feasibility of the current project.
		Biota - 4.4.3	CDFW	I-r: See M - 4.4.2 / 69 above.
	M - 4.9.3 / 110		City Planning/City LEA	I-p: The monitor drove San Fernando Road to Sierra Highway. There was miscellaneous windblown litter observed. A discarded tire was observed at the north entrance wall. I-q: The monitor drove San Fernando Road to Sierra Highway. The area was free of windblown litter and dumped debris. There was a dumped piece of plywood along the north landfill entrance wall.
Civil and Geotechnical Engineer	M - 4.1.1 / 2		City Building and Safety City Planning	I-o through I-r: See M - 4.1.1 / 5 below.

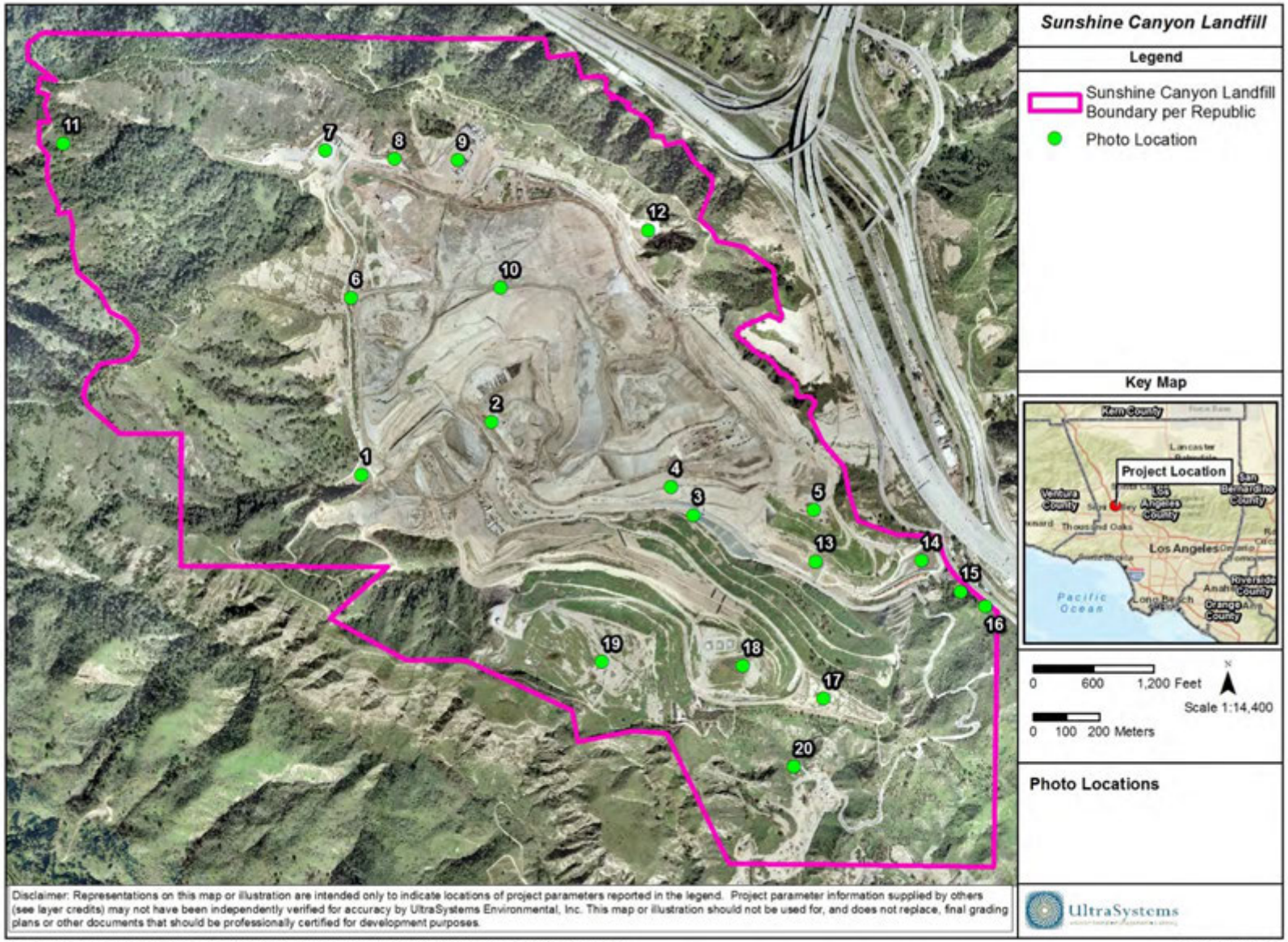
Discipline	City Condition Reference # / Mitigation #	County Condition Reference #/ Mitigation #	Responsible Agency	Further Review Needed – Comments
Civil and Geotechnical Engineer	M - 4.1.1 / 4		City Planning/LARWQCB Cal Recycle	I-o through I-r: See M - 4.1.1 / 5 below.
	M - 4.1.1 / 5		City Planning/ LARWQCB Cal Recycle	I-o through I-r: Out-of-approved landfill footprint grading is occurring for a Cell CC-4 Part 3 buttress. Grading plans have been approved by the County Department of Public Works' Civil Engineering and Permitting sections. The only other grading occurring in this quarter was for maintaining areas of Cell CC-4 Part 1 and 2, and the removal of stockpiled soil for waste cover from soil in Cell CC-3A, and from the buttress area and grading of Cell CC-3A western slopes. These activities are inside the approved landfill footprint.
		Geology - 1.07	County DPW EPD/ County LEA	I-o through I-r: See M - 4.1.1 / 5 above.
	M - 4.1.5 / 12		City Planning/LARWQCB Cal Recycle	I-o through I-r: See M - 4.1.1 / 5 above.
	M - 4.1.6 / 18			I-o through I-r: The landfill perimeter boundary survey PVC marker pipes have been removed in areas where Edison pole grading took place, near the Flare 11 site pad grading and near the CC-4 Part 3 buttress. These boundary markers have not been replaced. All markers should be replaced once the Cell CC-4 Part 3 buttress is completed.
	M - 4.14.1 / 155		City Planning/Cal Recycle PW-BOE LADBS City LEA	I-o through I-r: Access roads were being maintained around the working area for emergency access.
	M - 4.18 / 178		City Planning/City LEA	I-o through I-r: A map showing areas that are at the final elevations and which should have final cover should be available for review. Documents showing current filled elevations should also be available onsite for review. These conditions were not monitored.
		Visual - 10.01 Visual - 10.02	County DPW EPD/ LARWQCB SCL-LEA	I-o through I-r: See M - 4.18 / 178 above.
Hydrologist	M - 4.3.1/ 37, 38		City Planning/ LARWQCB CalRecycle SCL-LEA PW-BOE	I-o and I-p: 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. Extensive grading of slopes and the installation of jute netting and straw wattles have been done throughout the landfill for winterization. The site is prepared for winter rains. The only area that is vulnerable to erosion from rain events is in the CC-4 Part 3 buttress area due to active grading that was occurring.
		Surface Water - 2.03 Surface Water - 2.12	County DPW EPD/ LARWQCB SCL-LEA	I-o through I-r: See M - 4.3.1/ 37, 38 above.
	M - 4.3.1 / 39		City Planning/LARWQCB Cal Recycle	I-o through I-r: See M - 4.3.1/ 37, 38 above.
	M - 4.3.1 / 40		City Planning/ LARWQCB CalRecycle SCL-LEA PW-BOE LADBS	I-o through I-r: See M - 4.3.1/ 37, 38 above.

Discipline	City Condition Reference # / Mitigation #	County Condition Reference #/ Mitigation #	Responsible Agency	Further Review Needed – Comments
Hydrologist	M - 4.3.1 / 43		City Planning/ LARWQCB CalRecycle SCL-LEA PW-BOE LADBS	I-o: Basin A was cleared of sediment and riser rock cleaned and replaced. Water was ponding around the outlet risers due to the outlet drain piping being blocked for Part 3 buttress construction. Basin B and Basin D were clean, dry and ready for winter rain events. The terminal basin had ponding water around the outlet risers. Water was being retained to settle out sediment. I-p: The CC-3B basin's low flow drain was cleaned of sediment and litter. There was no trash screen installed. Tumble weed was collecting around the drain. I-r: The rains in late November and early December caused a significant amount of erosion in the County slopes adjacent to CC-4 Part 1 and 2, and the Part 3 buttress. The terminal basin had approximately five feet of sediment against the south end of the gabion wall. Basins B and D had minimal impacts. Basin A had the outlet blocked, and water was being pumped and used for onsite purposes.
		Surface Water - 2.10	LARWQCB / County DPW EPD	I-jo through I-r: See M - 4.3.1/ 37, 38 and 43 above.
		Surface Water - 2.14	LARWQCB / County DPW EPD	I-o through I-r: 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 / 45		City Planning/ LARWQCB CalRecycle SCL-LEA PW-BOE LADBS	I-o through I-r: The stockpile soils slope adjacent to the office were covered with jute netting. Wattles were not installed. The upper deck had drainage to an HDPE pipe draining it to the parking lot drainage ditch. No wattles were installed. Dirt slopes of CC-4 Part 1, CC-4 Part 2, areas to the north and CC-3A had wattles installed. The Old City South landfill had some HDPE downcomers repaired and new ones installed. Straw wattles were installed on slopes that were graded and unvegetated. The CC-3A slopes above CC-3B top deck had wattles installed. The CC-4 Part 2 HDPE drainage basin was being cleared of sediment. Concrete drainage channels were constructed below Flare 3 and above the Part 3 buttress construction. The dirt slopes adjacent to the westside inlet channel into the terminal basin were graded and repaired. The slopes below the main access road were graded and covered with jute netting. Also see Surface Water 2.14 above.
	M - 4.3.1/ 46		City Planning/ LARWQCB CalRecycle PW-BOE	I-o through I-r: See 2.15 above.
	M - 4.3.2 / 50		City Planning/ LARWQCB CalRecycle SCL-LEA	I-o through I-r: The Old City North top deck has a tank farm of 16 Alder storage tanks for processing recovered leachate, with a double wall pipeline to the sewer connect at the entrance near San Fernando Road. This system operated with no odor detected at the tank farm or sewer connection.
Biologist	M - 4.1.1 / 6		City Planning/ LARWQCB CalRecycle SCL-LEA LADBS	I-o through I-r: See M - 4.2.12 / 28 above.
		Geology - 1.14	LARWQCB/ County Forester	I-o through I-r: See M - 4.2.12 / 28 above.

Discipline	City Condition Reference # / Mitigation #	County Condition Reference #/ Mitigation #	Responsible Agency	Further Review Needed – Comments
Biologist	M - 4.2.11 / 23		City Planning	I-o through I-r: See M - 4.2.12 / 28 above.
		Geology - 1.13	County DPW EPD/ County Forester	I-o through I-r: See M - 4.2.12 / 28 above.
	M - 4.2.12		SCL-LEA/ City Planning	I-o through I-r: See M - 4.2.12 / 28 above.
		Revegetation - 44.A	SCL-LEA/ County DPW EPD Regional Planning County Biologist	I-o through I-r: See M - 4.2.12 / 28 above.
		Revegetation - 44.F	SCL-LEA/ County DPW EPD Regional Planning County Biologist	I-o through I-r: See M - 4.2.12 / 28 above.
		Biota - 4.42	SCL-LEA	I-o through I-r: See M - 4.2.12 / 28 above.
		Air Quality - 6.02	SCAQMD/ SCL-LEA	I-o through I-r: See M - 4.2.12 / 28 above.
		Visual - 10.08	County Forester	I-o through I-r: See M - 4.2.12 / 28 above.
	M - 4.4.1 / 60		City Planning	I-o: The City Deck C sage mitigation area was starting to green up. The removal of non-native vegetation was not yet done. The City Deck B sage mitigation area was being irrigated to raise the soil pH. The City Deck A sage mitigation area's subsurface oxidation near well PCW 224 was extinguished. I-p: The City Deck B sage mitigation area soil was being pH conditioned using lime and irrigation. The City Deck C sage mitigation area had not had non-native removal maintenance done. The PM-10 Berm oak trees had some recovery from the summer's high heat. Dead trees need to be replanted. I-q: The City Deck B sage mitigation area soil conditioning was continuing to raise the soil's pH. I-r: The City Deck B sage mitigation area soil testing was being performed. No planting has occurred.
		Biota - 4.27	County LEA/CDFW	I-o through I-r: See M - 4.4.1 / 60 above.
		Biota - 4.10	County LEA/CDFW	I-o through I-r: An updated mitigation tree report should show the current number of mitigation trees required to be planted, the type of tree, and a schedule for planting. The mitigation trees required should include the trees removed for the Edison power line relocation, CC-4 Part 3 buttress construction, and the mortality of Big Cone Fir mitigation trees. This updated tree report should be included in the year-end site report.
	M - 4.4.3 / 72		City Planning	I-o through I-r: See Biota - 4.10 above.

Discipline	City Condition Reference # / Mitigation #	County Condition Reference #/ Mitigation #	Responsible Agency	Further Review Needed – Comments
Biologist	M - 4.9.4 / 121		City Planning/Cal Recycle Cal OSHA LAFD City LEA	I-o through I-o: See T-4 above.
	M-4.9.4/ 125		City Planning/ CalRecycle Cal OSHA SCL-LEA	I-o through I-r: Throughout the 4th Quarter of 2018, the south oil field gate and north perimeter gate were observed to be locked.
Paleontologist	M-4.19.2/ 191		City Planning	I-o through I-r: The paleontologist was monitoring grading activities in and adjacent to Cell CC-4 Part 3 buttress when grading occurred in native, undisturbed areas.
		Ecological Significance 62	County Planning	I-o through I-r: See M-4.19.2/ 191 above.

Appendix II
Relevant Site Photos


Sunshine Canyon Landfill
Legend
Sunshine Canyon Landfill Boundary per Republic
Photo Location
Key Map
Project Location
Kern County
Ventura County
Los Angeles County
San Bernardino County
Riverside County
Orange County
Los Angeles
Pacific Ocean
0 600 1,200 Feet
Scale 1:14,400
0 100 200 Meters
Photo Locations
1
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UltraSystems
Path: J:\Projects\5800_Sunshine_Canyon\MXDs\PhotoLocations\5800_Sunshine_Canyon_PhotoLocations_2017_Quarterly_Report_#3.mxd
Service Layer Credits: Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community; CAL FIRE, 2007; Republic, March 2017; LA County Assessor, 2016-2017
November 13, 2017

Photo Location Map Key

Map Location	Title	Photo Number
1	Basin A	1 – 28
2	Working Areas, CC-4 Part 1, CC-4 Part 2, and CC-4 Part 3, Buttress Area	29 –151, 501-569
3	Closure Turf and Posi-Shell	152 – 179
4	CC-3A and CC-3B	232 – 284
5	Old City North and South	180 – 231
6	County Sage Mitigation and Westside Drainage Channel	285 – 296
7 & 8	Basin D, Basin D Outlet Channel	297 – 311
9	Flares 9, 10, 11, and Gas-to-Energy Facility	364 – 366
10	County Top Deck	312 – 363
11	Big Cone Fir Mitigation	–
12	Basin B	367 – 382
13 &14	Terminal Basin Inlets	383 – 453
15	Sewer Lift Station and Graywater Facility	–
16	Retaining Wall at San Fernando Road	570 – 578
17, 18 & 19	City Decks A, B, and C Sage Mitigation Areas	454 – 500
20	Southern Ownership Buffer	–
–	General Site	579 – 654

Photo 1: Basin A: October 23, 2018

Photo 2: Basin A: October 23, 2018

Photo 3: Basin A: October 23, 2018

Photo 4: Basin A High Flow Outlet: October 23, 2018

Photo 5: Basin A Hillside Litter: October 23, 2018

Photo 6: Basin A Hillside Litter: October 23, 2018

Photo 7: Basin A Hillside Litter: October 23, 2018

Photo 8: Basin A Hillside Litter: October 23, 2018

Photo 9: Basin A Hillside Litter: October 23, 2018

Photo 10: Basin A: November 6, 2018

Photo 11: Basin A: November 6, 2018

Photo 12: Basin A: November 6, 2018

Photo 13: Basin A: November 6, 2018

Photo 14: Basin A: November 6, 2018

Photo 15: Basin A Temporary Outlet Pipes: November 6, 2018

Photo 16: Basin A: November 20, 2018

Photo 17: Basin A: November 20, 2018

Photo 18: Basin A: November 20, 2018

Photo 19: Basin A: November 20, 2018

Photo 20: Basin A Native Hillside Windblown Litter: November 20, 2018

Photo 21: Basin A Native Hillside Windblown Litter: November 20, 2018

Photo 22: Basin A Native Hillside Windblown Litter: November 20, 2018

Photo 23: Basin A Native Hillside Windblown Litter: November 20, 2018

Photo 24: Basin A Temporary Outlet HDPE Channel: November 20, 2018

Photo 25: Basin A: December 13, 2018

Photo 26: Basin A: December 13, 2018

Photo 27: Basin A: December 13, 2018

Photo 28: Basin A: December 13, 2018

Photo 29: CC4 Parts 1 & 2: October 23, 2018

Photo 30: CC4 Parts 1 & 2: October 23, 2018

Photo 31: CC4 Parts 1 & 2: October 23, 2018

Photo 32: CC4 Parts 1 & 2: October 23, 2018

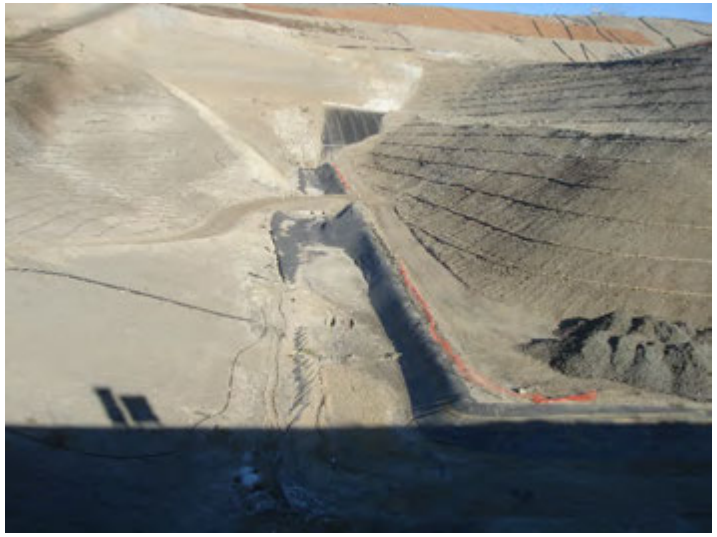

Photo 33: CC4 Parts 1 & 2: October 23, 2018

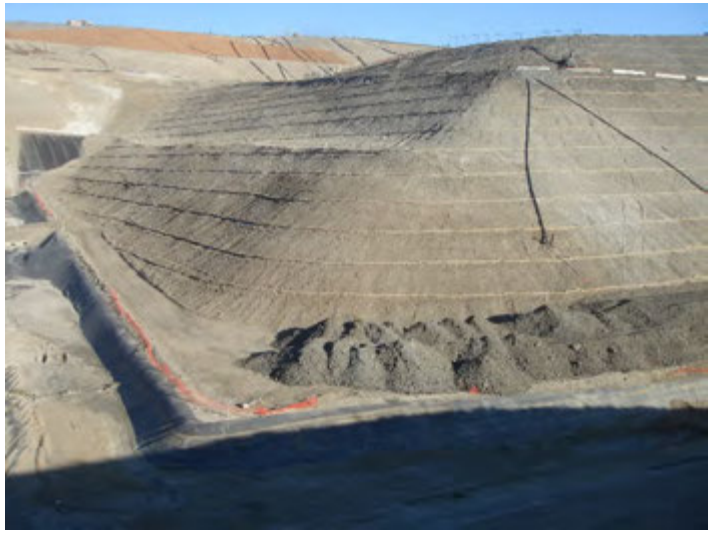

Photo 34: CC4 Parts 1 & 2: October 23, 2018

Photo 35: CC4 Parts 1 & 2: October 23, 2018

Photo 36: Working Area CC4A Part 1: October 23, 2018

Photo 37: CC4 Parts 1 & 2: October 23, 2018

Photo 38: CC4 Parts 1 & 2: October 23, 2018

Photo 39: CC4 Parts 1 & 2: October 23, 2018

Photo 40: CC4 Parts 1 & 2: October 23, 2018

Photo 41: CC4 Parts 1 & 2: October 23, 2018

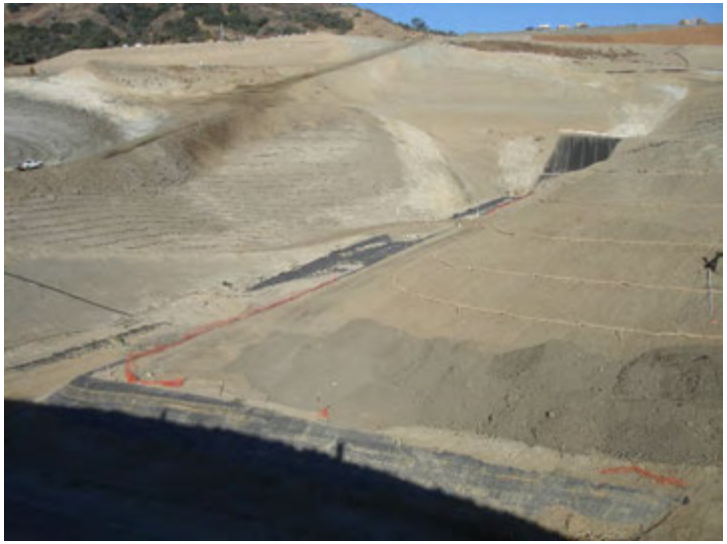

Photo 42: CC4 Parts 1 & 2: October 23, 2018

Photo 43: CC4 Parts 1 & 2: October 23, 2018

Photo 44: CC4 Parts 1 & 2: October 23, 2018

Photo 45: Working Area CC4A Part 1: October 23, 2018

Photo 46: Working Area CC4A Part 1: October 23, 2018

Photo 47: Working Area CC4A Part 1: October 23, 2018

Photo 48: CC4 Parts 1 & 2: November 6, 2018

Photo 49: CC4 Parts 1 & 2: November 6, 2018

Photo 50: CC4 Parts 1 & 2: November 6, 2018

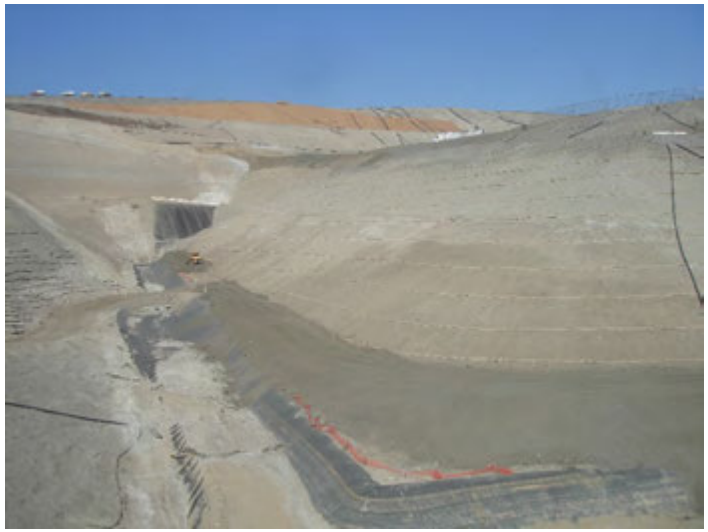

Photo 51: CC4 Parts 1 & 2: November 6, 2018

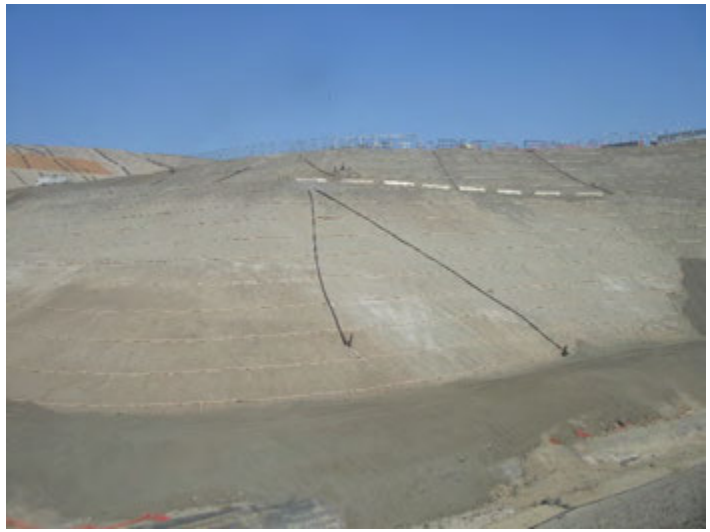

Photo 52: CC4 Parts 1 & 2: November 6, 2018

Photo 53: CC4 Parts 1 & 2: November 6, 2018

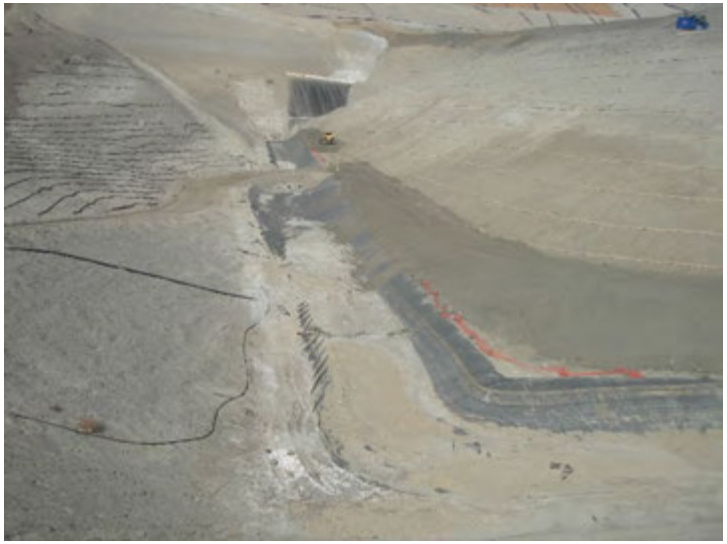

Photo 54: CC4 Parts 1 & 2: November 6, 2018

Photo 55: CC4 Parts 1 & 2: November 6, 2018

Photo 56: CC4 Parts 1 & 2: November 6, 2018

Photo 57: CC4 Parts 1 & 2: November 6, 2018

Photo 58: CC4 Parts 1 & 2: November 6, 2018

Photo 59: CC4 Parts 1 & 2: November 20, 2018

Photo 60: CC4 Parts 1 & 2: November 20, 2018

Photo 61: CC4 Parts 1 & 2: November 20, 2018

Photo 62: CC4 Parts 1 & 2: November 20, 2018

Photo 63: CC4 Parts 1 & 2: November 20, 2018

Photo 64: CC4 Parts 1 & 2: November 20, 2018

Photo 65: CC4 Parts 1 & 2: November 20, 2018

Photo 66: CC4 Parts 1 & 2: December 13, 2018

Photo 67: CC4 Parts 1 & 2: December 13, 2018

Photo 68: CC4 Parts 1 & 2: December 13, 2018

Photo 69: CC4 Parts 1 & 2: December 13, 2018

Photo 70: CC4 Parts 1 & 2: December 13, 2018

Photo 71: County Soil Stockpile Erosion Near CC-4 Parts 1&2: December 13, 2018

Photo 72: County Soil Stockpile Erosion Near CC-4 Parts 1&2: December 13, 2018

Photo 73: County Soil Stockpile Erosion Near CC-4 Parts 1&2: December 13, 2018

Photo 74: County Soil Stockpile Erosion Near CC-4 Parts 1&2: December 13, 2018

Photo 75: CC4 Part 3 Buttress Excavation Area: October 23, 2018

Photo 76: CC4 Part 3 Buttress Excavation Area: October 23, 2018

Photo 77: CC4 Part 3 Buttress Excavation Area: October 23, 2018

Photo 79: CC4 Part 3 Buttress Excavation Area: October 23, 2018

Photo 78: CC4 Part 3 Buttress Excavation Area: October 23, 2018

Photo 80: CC4 Part 3 Buttress Excavation Area: October 23, 2018

Photo 81: CC4 Part 3 Buttress Excavation Area: October 23, 2018

Photo 82: CC4 Part 3 Buttress Excavation Area: October 23, 2018

Photo 83: CC4 Part 3 Buttress Excavation Area: October 23, 2018

Photo 84: CC4 Part 3 Buttress Excavation Area: October 23, 2018

Photo 85: CC4 Part 3 Buttress Excavation Area: October 23, 2018

Photo 86: CC4 Part 3 Buttress Excavation Area: October 23, 2018

Photo 87: CC4 Part 3 Buttress Excavation Area: October 23, 2018

Photo 88: CC4 Part 3 Buttress Excavation Area: October 23, 2018

Photo 89: CC4 Part 3 Buttress Excavation Area: October 23, 2018

Photo 90: CC4 Part 3 Buttress Excavation Area: November 6, 2018

Photo 91: CC4 Part 3 Buttress Excavation Area: November 6, 2018

Photo 92: CC4 Part 3 Buttress Excavation Area: November 6, 2018

Photo 93: CC4 Part 3 Buttress Excavation Area: November 6, 2018

Photo 94: CC4 Part 3 Buttress Excavation Area: November 6, 2018

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Photo 110: CC4 Part 3 Buttress Excavation Area: November 6, 2018

Photo 111: CC4 Part 3 Buttress Excavation Area: November 6, 2018

Photo 112: CC4 Part 3 Buttress Excavation Area: November 20, 2018

Photo 113: CC4 Part 3 Buttress Excavation Area: November 20, 2018

Photo 114: CC4 Part 3 Buttress Excavation Area: November 20, 2018

Photo 115: CC4 Part 3 Buttress Excavation Area: November 20, 2018

Photo 116: CC4 Part 3 Buttress Excavation Area: November 20, 2018

Photo 117: CC4 Part 3 Buttress Excavation Area: November 20, 2018

Photo 118: CC4 Part 3 Buttress Excavation Area: November 20, 2018

Photo 119: CC4 Part 3 Buttress Excavation Area: November 20, 2018

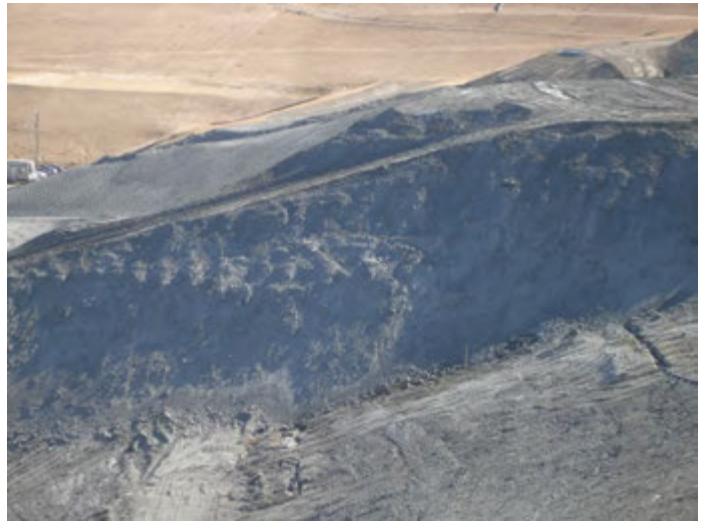

Photo 120: CC4 Part 3 Buttress Excavation Area: November 20, 2018

Photo 121: CC4 Part 3 Buttress Excavation Area: November 20, 2018

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Photo 123: CC4 Part 3 Buttress Excavation Area: November 20, 2018

Photo 124: CC4 Part 3 Buttress Excavation Area: November 20, 2018

Photo 125: CC4 Part 3 Buttress Excavation Area: November 20, 2018

Photo 126: CC4 Part 3 Buttress Excavation Area: November 20, 2018

Photo 127: CC4 Part 3 Buttress Excavation Area: November 20, 2018

Photo 128: CC4 Part 3 Buttress Excavation Area: December 13, 2018

Photo 129: CC4 Part 3 Buttress Excavation Area: December 13, 2018

Photo 130: CC4 Part 3 Buttress Excavation Area: December 13, 2018

Photo 131: CC4 Part 3 Buttress Excavation Area: December 13, 2018

Photo 132: CC4 Part 3 Buttress Excavation Area: December 13, 2018

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Photo 150: CC4 Part 3 Buttress Excavation Area: December 13, 2018

Photo 151: CC4 Part 3 Buttress Excavation Area: December 13, 2018

Photo 152: Posi-Shell and Closure Turf: October 23, 2018

Photo 153: Posi-Shell and Closure Turf: October 23, 2018

Photo 154: Posi-Shell and Closure Turf: October 23, 2018

Photo 155: Posi-Shell and Closure Turf: October 23, 2018

Photo 156: Posi-Shell and Closure Turf: October 23, 2018

Photo 157: Posi-Shell and Closure Turf: November 6, 2018

Photo 158: Posi-Shell and Closure Turf: November 6, 2018

Photo 159: Posi-Shell and Closure Turf: November 6, 2018

Photo 160: Posi-Shell and Closure Turf: November 6, 2018

Photo 161: Posi-Shell and Closure Turf: November 6, 2018

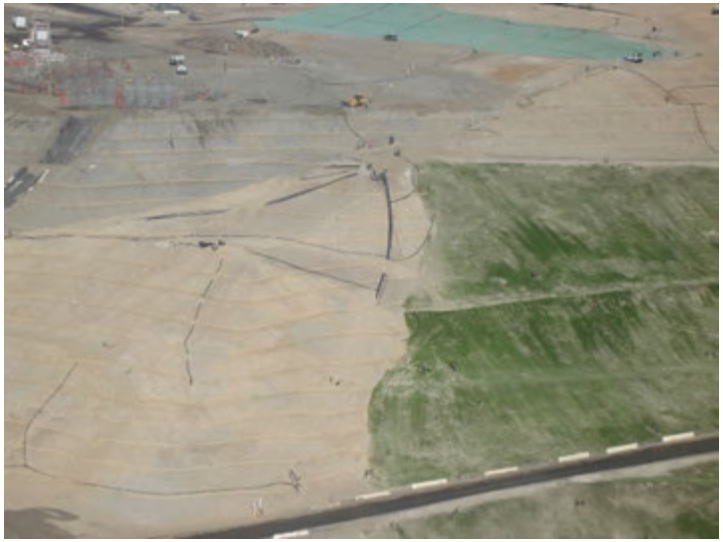

Photo 162: Posi-Shell and Closure Turf: November 20, 2018

Photo 163: Posi-Shell and Closure Turf: November 20, 2018

Photo 164: Posi-Shell and Closure Turf: November 20, 2018

Photo 165: Posi-Shell and Closure Turf: November 20, 2018

Photo 166: Posi-Shell and Closure Turf: November 20, 2018

Photo 167: Posi-Shell and Closure Turf: November 20, 2018

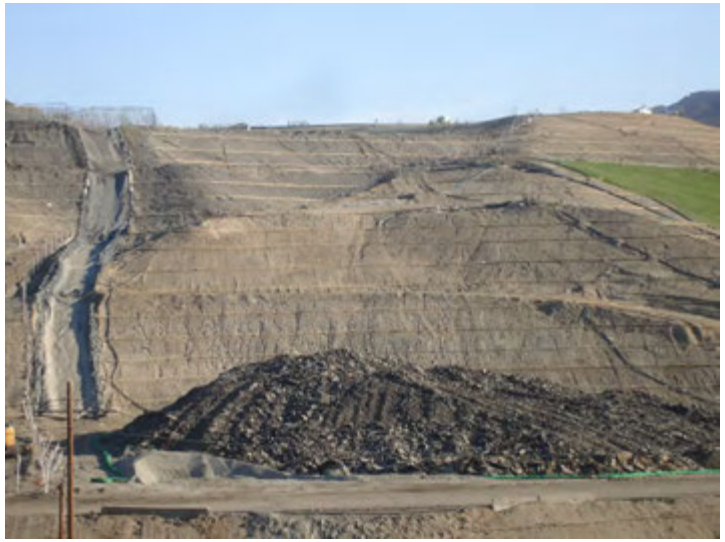

Photo 168: Posi-Shell and Closure Turf: November 20, 2018

Photo 169: Posi-Shell and Closure Turf: November 20, 2018

Photo 170: Posi-Shell and Closure Turf: November 20, 2018

Photo 171: Posi-Shell and Closure Turf: November 20, 2018

Photo 172: Posi-Shell and Closure Turf: December 13, 2018

Photo 173: Posi-Shell and Closure Turf: December 13, 2018

Photo 174: Posi-Shell and Closure Turf: December 13, 2018

Photo 175: Posi-Shell and Closure Turf: December 13, 2018

Photo 176: Posi-Shell and Closure Turf: December 13, 2018

Photo 177: Posi-Shell and Closure Turf: December 13, 2018

Photo 178: Posi-Shell and Closure Turf: December 13, 2018

Photo 179: Posi-Shell and Closure Turf: December 13, 2018

Photo 180: Old City North Top Deck Liquids Handling Facility: October 23, 2018

Photo 181: Old City North Top Deck Liquids Handling Facility: October 23, 2018

Photo 182: Old City North Top Deck Liquids Handling Facility: October 23, 2018

Photo 183: Old City South Slopes: October 23, 2018

Photo 184: Old City South Slopes: October 23, 2018

Photo 185: Old City South Slopes: October 23, 2018

Photo 186: Old City South Slopes: October 23, 2018

Photo 187: Old City South Slopes: October 23, 2018

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Photo 192: Old City South Slopes: October 23, 2018

Photo 193: Old City South Slopes: October 23, 2018

Photo 194: Old City South Slopes: October 23, 2018

Photo 195: Old City North Top Deck Liquids Handling Facility: November 6, 2018

Photo 196: Old City North Top Deck Liquids Handling Facility: November 6, 2018

Photo 197: Old City North Top Deck Liquids Handling Facility: November 6, 2018

Photo 198: Old City North Top Deck Liquids Handling Facility: November 6, 2018

Photo 199: Old City North Top Deck: November 6, 2018

Photo 200: Old City North Top Deck: November 6, 2018

Photo 201: Old City North Top Deck: November 6, 2018

Photo 202: Old City North Top Deck: November 6, 2018

Photo 203: Old City South Top Deck: November 6, 2018

Photo 204: Old City South Top Deck: November 6, 2018

Photo 205: Old City South Top Deck: November 6, 2018

Photo 206: Old City South Top Deck: November 6, 2018

Photo 207: Old City South Top Deck: November 6, 2018

Photo 208: Old City South Top Deck: November 6, 2018

Photo 209: Old City South Top Deck: November 6, 2018

Photo 210: Old City South Top Deck: November 6, 2018

Photo 211: Old City South Soil Stockpile Slump: November 6, 2018

Photo 212: Old City South Soil Stockpile Slump: November 6, 2018

Photo 213: Old City North Top Deck Liquids Handling Facility: November 20, 2018

Photo 214: Old City North Top Deck Liquids Handling Facility: November 20, 2018

Photo 215: Old City South Slopes: November 20, 2018

Photo 216: Old City South Slopes: November 20, 2018

Photo 217: Old City South Slopes: November 20, 2018

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Photo 222: Old City South Slopes: November 20, 2018

Photo 223: Old City South Slopes: November 20, 2018

Photo 224: Old City South Slopes: November 20, 2018

Photo 225: Old City North Top Deck Liquids Handling Facility: December 13, 2018

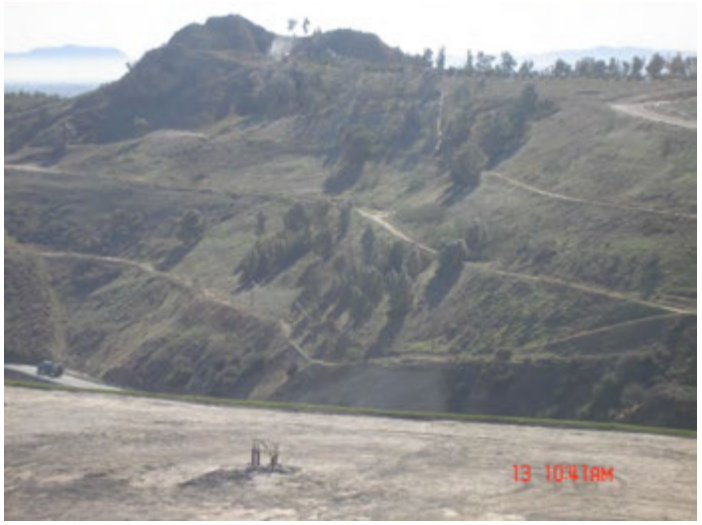

Photo 226: Old City North South Slopes: December 13, 2018

Photo 227: Old City North South Slopes: December 13, 2018

Photo 228: Old City North South Slopes: December 13, 2018

Photo 229: Old City North South Slopes: December 13, 2018

Photo 230: Old City North South Slopes: December 13, 2018

Photo 231: Old City South Soil Stockpile Slump: December 13, 2018

Photo 232: CC3B Top Deck: October 23, 2018

Photo 233: CC3B Top Deck: October 23, 2018

Photo 234: CC3B Top Deck: October 23, 2018

Photo 235: CC3B Top Deck: October 23, 2018

Photo 236: CC3B Top Deck: October 23, 2018

Photo 237: CC3B Top Deck: October 23, 2018

Photo 238: CC3B Top Deck: October 23, 2018

Photo 239: CC3B Top Deck: October 23, 2018

Photo 240: CC3B Top Deck: October 23, 2018

Photo 241: CC3B Top Deck: October 23, 2018

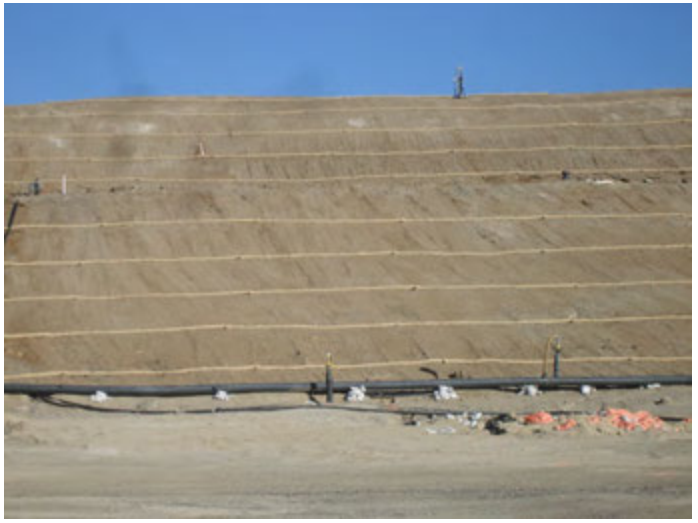

Photo 242: CC3B Top Deck: October 23, 2018

Photo 243: CC3B Top Deck: October 23, 2018

Photo 244: CC3B Top Deck: October 23, 2018

Photo 245: CC3B Top Deck: October 23, 2018

Photo 246: CC3B Top Deck: November 6, 2018

Photo 247: CC3B Top Deck: November 6, 2018

Photo 248: CC3B Top Deck: November 6, 2018

Photo 249: CC3B Top Deck: November 6, 2018

Photo 250: CC3B Top Deck: November 6, 2018

Photo 251: CC3B Top Deck: November 6, 2018

Photo 252: CC3B Top Deck: November 6, 2018

Photo 253: CC3A Top Deck: November 6, 2018

Photo 254: CC3A Top Deck: November 6, 2018

Photo 255: CC3A Top Deck: November 6, 2018

Photo 256: CC3A Top Deck: November 6, 2018

Photo 257: CC3A Top Deck: November 6, 2018

Photo 258: CC3B Alluvial Slope Leak: November 6, 2018

Photo 259: CC3B Alluvial Slope Leak: November 6, 2018

Photo 260: CC3B Alluvial Slope Leak: November 6, 2018

Photo 261: CC3B Alluvial Slope Leak: November 6, 2018

Photo 262: CC3B Alluvial Slope Leak: November 6, 2018

Photo 263: CC3B Top Deck: November 20, 2018

Photo 264: CC3B Top Deck: November 20, 2018

Photo 265: CC3B Top Deck: November 20, 2018

Photo 266: CC3B Top Deck: November 20, 2018

Photo 267: CC3B Top Deck: November 20, 2018

Photo 268: CC3B Top Deck: November 20, 2018

Photo 269: CC3B Top Deck: November 20, 2018

Photo 270: CC3B Top Deck: November 20, 2018

Photo 271: CC3B Top Deck: November 20, 2018

Photo 272: CC3B Top Deck: November 20, 2018

Photo 273: CC3A Top Deck: November 20, 2018

Photo 274: CC3A Top Deck: November 20, 2018

Photo 275: CC3B Alluvial Slope Leak: November 20, 2018

Photo 276: CC3B Alluvial Slope Leak: November 20, 2018

Photo 277: CC3B Alluvial Slope Leak: November 20, 2018

Photo 278: CC3B Low Flow Drain: November 20, 2018

Photo 279: Sewer Connection: November 20, 2018

Photo 280: Sewer Connection: November 20, 2018

Photo 281: CC3B Top Deck: December 13, 2018

Photo 282: CC3B Top Deck: December 13, 2018

Photo 283: CC3B Top Deck: December 13, 2018

Photo 284: CC3B Top Slope: December 13, 2018

Photo 285: Sacrificial Liner Replacement Near County Sage: October 13, 2018

Photo 286: Sacrificial Liner Replacement Near County Sage: October 13, 2018

Photo 287: County Sage Mitigation Area Slope: November 6, 2018

Photo 288: County Sage Mitigation Area Slope: November 6, 2018

Photo 289: County Sage Mitigation Area Slope: November 6, 2018

Photo 290: County Sage Mitigation Area Slope: November 6, 2018

Photo 291: County Sage Mitigation Area Slope: November 6, 2018

Photo 292: County Sage Mitigation Area Slope: December 13, 2018

Photo 293: County Sage Mitigation Area Slope: December 13, 2018

Photo 294: County Sage Mitigation Area Slope: December 13, 2018

Photo 295: County Sage Mitigation Area Slope: December 13, 2018

Photo 296: County Sage Mitigation Area Slope: December 13, 2018

Photo 297: Basin D Westside Channel High Flow Outlet: October 23, 2018

Photo 298: Basin D Westside Channel High Flow Outlet: October 23, 2018

Photo 299: Basin D Westside Channel High Flow Outlet: October 23, 2018

Photo 300: Basin D Westside Channel High Flow Outlet: October 23, 2018

Photo 301: Basin D Westside Channel High Flow Outlet: October 23, 2018

Photo 302: Basin D Adjacent Wood Stockpile: October 23, 2018

Photo 303: Basin D Adjacent Wood Stockpile: October 23, 2018

Photo 304: Basin D Adjacent Well with Localized Odors: October 23, 2018

Photo 305: Basin D Wood Stockpile Removed: November 20, 2018

Photo 306: Basin D Wood Stockpile Removed: November 20, 2018

Photo 307: Basin D Westside Channel High Flow Outlet: December 13, 2018

Photo 308: Basin D: December 13, 2018

Photo 309: Basin D: December 13, 2018

Photo 310: Basin D: December 13, 2018

Photo 311: Basin D: December 13, 2018

Photo 312: County Top Deck: October 23, 2018

Photo 313: County Top Deck: October 23, 2018

Photo 314: County Top Deck: October 23, 2018

Photo 315: County Top Deck: October 23, 2018

Photo 316: County Top Deck: October 23, 2018

Photo 317: County Top Deck: October 23, 2018

Photo 318: County Top Deck Buttress Soils Stockpile: October 23, 2018

Photo 319: County Top Deck Buttress Soils Stockpile: October 23, 2018

Photo 320: County Top Deck Buttress Soils Stockpile: October 23, 2018

Photo 321: County Top Deck: November 20, 2018

Photo 322: County Top Deck: November 20, 2018

Photo 323: County Top Deck: November 20, 2018

Photo 324: County Top Deck: November 20, 2018

Photo 325: County Top Deck: November 20, 2018

Photo 326: County Top Deck: November 20, 2018

Photo 327: County Top Deck: November 20, 2018

Photo 328: County Top Deck Buttress Soils Stockpile: November 20, 2018

Photo 329: County Top Deck Buttress Soils Stockpile: November 20, 2018

Photo 330: County Top Deck Buttress Soils Stockpile: November 20, 2018

Photo 331: County Top Deck Buttress Soils Stockpile: November 20, 2018

Photo 332: County Bowl Area: November 20, 2018

Photo 333: County Bowl Area: November 6, 2018

Photo 334: County Bowl Area: November 6, 2018

Photo 335: County Bowl Area: November 6, 2018

Photo 336: County Bowl Area: November 6, 2018

Photo 337: County Top Deck: November 20, 2018

Photo 338: County Top Deck: November 20, 2018

Photo 339: County Top Deck: November 20, 2018

Photo 340: County Top Deck: November 20, 2018

Photo 341: County Top Deck: November 20, 2018

Photo 342: County Top Deck: November 20, 2018

Photo 343: County Top Deck: November 20, 2018

Photo 344: County Top Deck: November 20, 2018

Photo 345: County Top Deck: November 20, 2018

Photo 346: County Top Deck: December 13, 2018

Photo 347: County Top Deck: December 13, 2018

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Photo 350: County Top Deck: December 13, 2018

Photo 351: County Top Deck Buttress Soils Stockpile: December 13, 2018

Photo 352: County Top Deck Buttress Soils Stockpile: December 13, 2018

Photo 353: County Bowl Area: December 13, 2018

Photo 354: County Bowl Area: December 13, 2018

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Photo 362: County Bowl Area: December 13, 2018

Photo 363: County Bowl Area: December 13, 2018

Photo 364: Flare 9 Blower Intake Air Filter: October 23, 2018

Photo 365: Gat to Energy Turbine Replaced: October 23, 2018

Photo 366: Flare 9 Blower Intake Air Filter: September 25, 2018

Photo 367: Basin B: October 23, 2018

Photo 368: Basin B: October 23, 2018

Photo 369: Basin B: October 23, 2018

Photo 370: Basin B: October 23, 2018

Photo 371: Basin B: October 23, 2018

Photo 372: Basin B: October 23, 2018

Photo 373: Basin B: November 6, 2018

Photo 374: Basin B: November 20, 2018

Photo 375: Basin B: November 20, 2018

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Photo 378: Basin B: November 20, 2018

Photo 379: Basin B: November 20, 2018

Photo 380: Basin B: December 13, 2018

Photo 381: Basin B: December 13, 2018

Photo 382: Basin B: December 13, 2018

Photo 383: Terminal Basin Westside Drainage Channel: October 23, 2018

Photo 384: Terminal Basin Inlet: October 23, 2018

Photo 385: Terminal Basin Inlet: October 23, 2018

Photo 386: Terminal Basin: October 23, 2018

Photo 387: Terminal Basin Gabion Wall: July 24, 2018

Photo 388: Terminal Basin: October 23, 2018

Photo 389: Terminal Basin: October 23, 2018

Photo 390: Terminal Basin: October 23, 2018

Photo 391: Terminal Basin: October 23, 2018

Photo 392: Terminal Basin: October 23, 2018

Photo 393: Terminal Basin: October 23, 2018

Photo 394: Terminal Basin Westside Drainage Channel Inlet: November 6, 2018

Photo 395: Terminal Basin Westside Drainage Channel Inlet: November 6, 2018

Photo 396: Terminal Basin Westside Drainage Channel Inlet: November 6, 2018

Photo 397: Terminal Basin: November 6, 2018

Photo 398: Terminal Basin: November 6, 2018

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Photo 416: Terminal Basin: November 6, 2018

Photo 417: Terminal Basin: November 20, 2018

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Photo 430: Terminal Basin: November 20, 2018

Photo 431: Terminal Basin: December 13, 2018

Photo 432: Terminal Basin: December 13, 2018

Photo 433: Terminal Basin Westside Drainage Channel: December 13, 2018

Photo 434: Terminal Basin Westside Drainage Channel: December 13, 2018

Photo 435: Terminal Basin: December 13, 2018

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Photo 439: Terminal Basin: December 13, 2018

Photo 440: Terminal Basin: December 13, 2018

Photo 441: Terminal Basin: December 13, 2018

Photo 442: Terminal Basin: December 13, 2018

Photo 443: Terminal Basin: December 13, 2018

Photo 444: Main Access Road Slopes Near Terminal Basin: October 23, 2018

Photo 445: Main Access Road Slopes Near Terminal Basin: October 23, 2018

Photo 446: Main Access Road Slopes Near Terminal Basin: October 23, 2018

Photo 447: Main Access Road Slopes Near Terminal Basin: October 23, 2018

Photo 448: Main Access Road Slopes Near Terminal Basin: October 23, 2018

Photo 449: Main Access Road Slopes Near Terminal Basin: October 23, 2018

Photo 450: Main Access Road Slopes Near Terminal Basin: November 6, 2018

Photo 451: Main Access Road Slopes Near Terminal Basin: November 6, 2018

Photo 452: Main Access Road Slopes Near Terminal Basin: November 20, 2018

Photo 453: Main Access Road Slopes Near Terminal Basin: November 20, 2018

Photo 454: Deck B Sage Mitigation Area: October 23, 2018

Photo 455: Deck B Sage Mitigation Area: October 23, 2018

Photo 456: Deck B Sage Mitigation Area: October 23, 2018

Photo 457: Deck B Sage Mitigation Area: October 23, 2018

Photo 458: Deck C Sage Mitigation Area: October 23, 2018

Photo 459: Deck C Sage Mitigation Area: October 23, 2018

Photo 460: Deck A Sage Mitigation Area High Level CO Wells: October 23, 2018

Photo 461: Deck A Sage Mitigation Area High Level CO Wells: October 23, 2018

Photo 462: Deck B Sage Mitigation Area: November 6, 2018

Photo 463: Deck B Sage Mitigation Area: November 6, 2018

Photo 464: Deck B Sage Mitigation Area: November 6, 2018

Photo 465: Deck B Sage Mitigation Area: November 6, 2018

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Photo 470: Deck B Sage Mitigation Area: November 6, 2018

Photo 471: Deck B Sage Mitigation Area: November 6, 2018

Photo 472: Deck B Sage and PM 10 Mitigation Area: November 6, 2018

Photo 473: Deck B Sage and PM 10 Mitigation Area: November 6, 2018

Photo 474: Deck B Sage and PM 10 Mitigation Area: November 6, 2018

Photo 475: Deck B Sage and PM 10 Mitigation Area: November 6, 2018

Photo 476: Deck B Sage and PM 10 Mitigation Area: November 6, 2018

Photo 477: Deck B Sage and PM 10 Mitigation Area: November 6, 2018

Photo 478: Deck B Sage and PM 10 Mitigation Area: November 6, 2018

Photo 479: Deck B Sage and PM 10 Mitigation Area: November 6, 2018

Photo 480: Deck B Sage and PM 10 Mitigation Area: November 6, 2018

Photo 481: Deck B Sage and PM 10 Mitigation Area: November 6, 2018

Photo 482: Deck B Sage and PM 10 Mitigation Area: November 6, 2018

Photo 483: Deck B Sage and PM 10 Mitigation Area: November 6, 2018

Photo 484: Deck B Sage and PM 10 Mitigation Area: November 6, 2018

Photo 485: Deck B Sage and PM 10 Mitigation Area: November 6, 2018

Photo 486: Community Sage Mitigation Area: November 20, 2018

Photo 487: Community Sage Mitigation Area: November 20, 2018

Photo 488: Community Sage Mitigation Area: November 20, 2018

Photo 489: Community Sage Mitigation Area: November 20, 2018

Photo 490: Community Sage Mitigation Area: November 20, 2018

Photo 491: Community Sage Mitigation Area: November 20, 2018

Photo 492: Community Sage Mitigation Area: November 20, 2018

Photo 493: Deck B Sage Mitigation Area: November 20, 2018

Photo 494: Deck B Sage Mitigation Area: November 20, 2018

Photo 495: Deck B Sage Mitigation Area: November 20, 2018

Photo 496: Deck B Sage Mitigation Area: November 20, 2018

Photo 497: Deck B Sage Mitigation Area: November 20, 2018

Photo 498: Deck B Sage Mitigation Area: December 13, 2018

Photo 499: Deck B Sage Mitigation Area: December 13, 2018

Photo 500: Deck B Sage Mitigation Area: December 13, 2018

Photo 501: Working Area CC4 Part 1&2: October 23, 2018

Photo 502: Working Area CC4 Part 1&2: October 23, 2018

Photo 503: Working Area CC4 Part 1&2: October 23, 2018

Photo 504: Working Area CC4 Part 1&2: October 23, 2018

Photo 505: Working Area CC4 Part 1&2: October 23, 2018

Photo 506: Working Area CC4 Part 1&2: October 23, 2018

Photo 507: Working Area CC4 Part 1&2: October 23, 2018

Photo 508: Working Area CC4 Part 1&2: October 23, 2018

Photo 509: Working Area CC4 Part 1&2: October 23, 2018

Photo 510: Working Area CC4 Part 1&2: October 23, 2018

Photo 511: Working Area CC4 Part 1&2: October 23, 2018

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Photo 513: Working Area CC4 Part 1&2: October 23, 2018

Photo 514: Working Area CC4 Part 1&2: October 23, 2018

Photo 515: Working Area CC4 Part 1&2: October 23, 2018

Photo 516: Working Area CC4 Part 1&2: October 23, 2018

Photo 517: Working Area CC4 Part 1&2: October 23, 2018

Photo 518: Working Area CC4 Part 1&2: October 23, 2018

Photo 519: Working Area CC4 Part 1&2: October 23, 2018

Photo 520: Working Area CC4 Part 1&2: October 23, 2018

Photo 521: Working Area CC4 Part 1&2: October 23, 2018

Photo 522: Working Area CC4 Part 1&2: October 23, 2018

Photo 523: Working Area CC4 Part 1&2: November 6, 2018

Photo 524: Working Area CC4 Part 1&2: November 6, 2018

Photo 525: Working Area CC4 Part 1&2: November 6, 2018

Photo 526: Working Area CC4 Part 1&2: November 6, 2018

Photo 527: Working Area CC4 Part 1&2: November 6, 2018

Photo 528: Working Area CC4 Part 1&2: November 6, 2018

Photo 529: Working Area CC4 Part 1&2: November 6, 2018

Photo 530: Working Area CC4 Part 1&2: November 6, 2018

Photo 531: Working Area CC4 Part 1&2: November 6, 2018

Photo 532: Working Area CC4 Part 1&2: November 6, 2018

Photo 533: Working Area CC4 Part 1&2: November 6, 2018

Photo 534: Working Area CC4 Part 1&2: November 6, 2018

Photo 535: Working Area CC4 Part 1&2: November 6, 2018

Photo 536: Working Area CC4 Part 1&2: November 6, 2018

Photo 537: Working Area CC4 Part 1&2: November 20, 2018

Photo 538: Working Area CC4 Part 1&2: November 20, 2018

Photo 539: Working Area CC4 Part 1&2: November 20, 2018

Photo 540: Working Area CC4 Part 1&2: November 20, 2018

Photo 541: Working Area CC4 Part 1&2: November 20, 2018

Photo 542: Working Area CC4 Part 1&2: November 20, 2018

Photo 543: Working Area CC4 Part 1&2: November 20, 2018

Photo 544: Working Area CC4 Part 1&2: November 20, 2018

Photo 545: Working Area CC4 Part 1&2: November 20, 2018

Photo 546: Working Area CC4 Part 1&2: November 20, 2018

Photo 547: Working Area CC4 Part 1&2: November 20, 2018

Photo 548: Working Area CC4 Part 1&2: November 20, 2018

Photo 549: Working Area CC4 Part 1&2: November 20, 2018

Photo 550: Working Area CC4 Part 1&2: November 20, 2018

Photo 551: Working Area CC4 Part 1&2: November 20, 2018

Photo 552: Working Area CC4 Part 1&2: November 20, 2018

Photo 553: Working Area CC4 Part 1&2: November 20, 2018

Photo 554: Working Area CC4 Part 1&2: November 20, 2018

Photo 555: Working Area CC4 Part 1&2: November 20, 2018

Photo 556: Working Area CC4 Part 1&2: November 20, 2018

Photo 557: Working Area CC4 Part 1&2: November 20, 2018

Photo 558: Working Area CC4 Part 1&2: November 20, 2018

Photo 559: Working Area CC4 Part 1&2: November 20, 2018

Photo 560: Working Area CC4 Part 1&2: December 13, 2018

Photo 561: Working Area CC4 Part 1&2: December 13, 2018

Photo 562: Working Area CC4 Part 1&2: December 13, 2018

Photo 563: Working Area CC4 Part 1&2: December 13, 2018

Photo 564: Working Area CC4 Part 1&2: December 13, 2018

Photo 565: Working Area CC4 Part 1&2: December 13, 2018

Photo 566: Working Area CC4 Part 1&2: December 13, 2018

Photo 567: Working Area CC4 Part 1&2: December 13, 2018

Photo 568: Working Area CC4 Part 1&2: December 13, 2018

Photo 569: Working Area CC4 Part 1&2: December 13, 2018

Photo 570: Fernando Road Retaining Wall: November 6, 2018

Photo 571: Fernando Road Retaining Wall: November 6, 2018

Photo 572: Fernando Road Retaining Wall: November 6, 2018

Photo 573: Fernando Road Retaining Wall: November 6, 2018

Photo 574: Fernando Road Retaining Wall: November 6, 2018

Photo 575: Fernando Road Retaining Wall: November 6, 2018

Photo 576: Fernando Road Retaining Wall: November 6, 2018

Photo 577: Fernando Road Retaining Wall: November 6, 2018

Photo 578: Fernando Road Retaining Wall: November 6, 2018

Photo 579: Site: October 23, 2018

Photo 580: Site: October 23, 2018

Photo 581: Site: October 23,2018

Photo 582: Site: October 23, 2018

Photo 583: Site: October 23, 2018

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Photo 597: Site: November 6, 2018

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Photo 614: Site: November 6, 2018

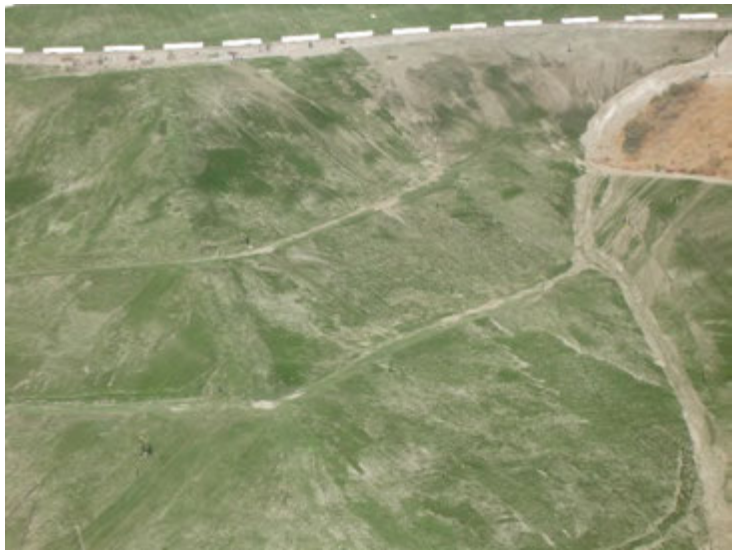

Photo 615: Site: November 6, 2018

Photo 616: Site: November 6, 2018

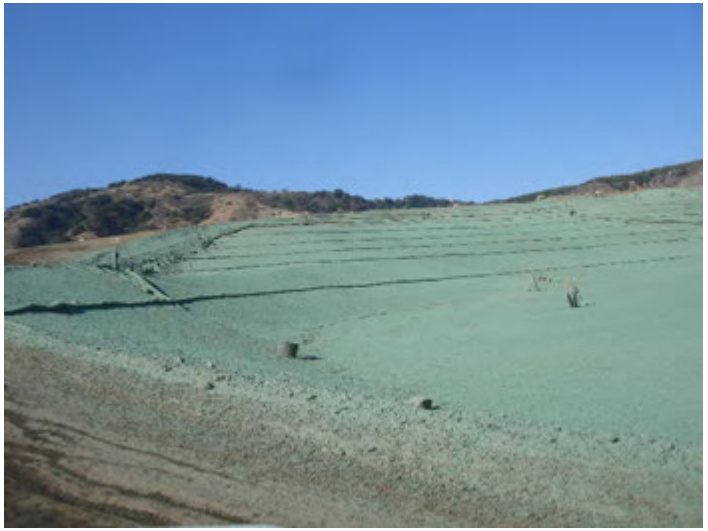

Photo 617: Hydrology: November 20, 2018

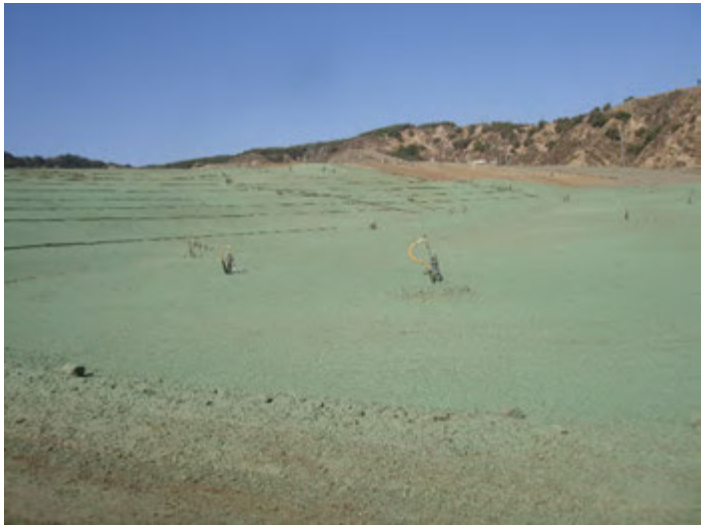

Photo 618: Hydrology: November 20, 2018

Photo 619: Hydrology: November 20, 2018

Photo 620: Hydrology: November 20, 2018

Photo 621: Hydrology: November 20, 2018

Photo 622: Hydrology: November 20, 2018

Photo 623: Hydrology: November 20, 2018

Photo 624: Hydrology: November 20, 2018

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Photo 627: Hydrology: November 20, 2018

Photo 628: Hydrology: November 20, 2018

Photo 629: Hydrology: November 20, 2018

Photo 630: Hydrology: November 20, 2018

Photo 631: Hydrology: November 20, 2018

Photo 632: Hydrology: November 20, 2018

Photo 633: Site: November 20, 2018

Photo 634: Site: November 20, 2018

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Photo 650: Site: December 13, 2018

Photo 651: Site: December 13, 2018

Photo 652: Site: December 13, 2018

Photo 653: Site: December 13, 2018

Photo 654: Site: December 13, 2018

Appendix III

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

UltraSystems Staff	**Fields of Expertise:**
James Aidukas	Project Manager, Permitting and Operations/ Engineer
Mike Lindsay	Air Quality, Noise, Vehicle Emissions, Environmental Specialist/ Engineer

SLR Staff	**Fields of Expertise:**
Tarik Hadj-Hamou	Geotechnical, Civil, and Landfill Design/ Engineer

October Site Visits

October 23, 2018:

James Aidukas (UltraSystems)

Tarik Hadj-Hamou (SLR)

Mike Lindsay (UltraSystems)

UltraSystems
environmental • management • planning

SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT

Monitor: James Aidukas	Page: 1 of 2
Discipline: Project Manager	Date: 10/23/18
Site Conditions: Clear 60-80˚ F, 0-10 MPH winds	

SITE LOG

Republic General Manager - Chris Coyle

Drove the Granada Hills neighborhood and school areas from 6:30 to 7:15 a.m. and there were no landfill odors detected. Met with Mike Lindsay (UltraSystems) and Tarik Hadj-Hamou (SLR) and signed in at the office. We met with Vu Truong (LACDPW), and proceeded to monitor the site and observed the following:

- The stockpile soils slope adjacent to the office were covered with jute netting. Wattles were not installed. The upper deck had drainage to an HDPE pipe draining it to the parking lot drainage ditch. No wattles were installed.
- Dirt slopes of CC-4 Part 1, CC-4 Part 2, areas to the north and CC-3A had wattles installed.
- CC-4 Part 2 HDPE drainage basin was being cleared of sediment.
- The toe berm for CC-4 Part 3 buttress was being constructed. Soil was being placed and wheel compacted by scrapers. Soil compaction was being tested.
- A paleontologist was onsite monitoring the CC-4 Pat 3 buttress grading.
- The Old City South landfill had some HDPE downcomers repaired and new ones also installed. Straw wattles were installed on slope that were graded and unvegetated.
- The CC-3A slopes above CC-3B top deck had wattles installed.
- The CC-3B top had no odors detected. Miscellaneous construction material were being stored on the deck.
- The Adler tank leachate handling facility was operating and no odors were detected.
- CC-4 Part 1 was accepting waste, Part 2 was idle. No operational issues were noted.
- Basin B was dry and free of sediment. The riser rock was clean and in place. Minor windblown litter was in the native vegetation. The high flow outlet spillway was cracked in multiple places and should be epoxy sealed.
- The old style air intake filter for the Flare 9 air blower was plugged with dirt.
- The Part 3 buttress soil stockpiled on the County north top deck is approximately 40-50 feet high.
- The high flow spillway for Basin D into the westside drainage has cracks and spalling that should be repaired.
- Localized odor was detected coming from well CLHC 5.
- Basin A was cleared of sediment and riser rock cleaned and replaced. Water was ponding around the outlet risers due to the outlet drain piping being blocked for Part 3 buttress construction.
- Concrete drainage channels were constructed below Flare 3 and above the part 3 buttress construction.
- SCS stated that the subsurface oxidation areas were under control and being extinquished.

Page 2 of 2, 10/23/18:

- Well 3013D was hot to the touch and had a burnt odor.
- The dirt slopes adjacent to the westside inlet channel into the terminal basin were graded and repaired.
- The terminal basin had ponding water around the outlet risers. The slopes below the main access road were graded and covered with jute netting.
- Sage mitigation Deck B was being irrigated to condition the soil to raise the pH.
- The prior Deck A subsurface oxidation near PCW 224 was extinguished.

Flare Operating Conditions:

- Flare 1 - 1696˚F, 2260 SCFM, -57.90" vacuum, 38.45" out, 45% CH_4, 0.3% O_2, 93 ppm H_2S
- Flare 3 - shut down
- Flare 9 - shut down
- Flare 10 - 1644˚F, 2481 SCFM, -63.44" vacuum, 40.16" out
- Flare 11 - 1653˚F, 2487 SCFM

The gas-to-energy plant was using 10,016 SCFM of recovered landfill gas, 46% CH_4, 2.22% O_2, 60 ppm H_2S. Total gas volume recovered was 17,244 SCFM.

FURTHER REVIEW NEEDED
COMMENTS
Signed:

SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT

Monitor: Mike Lindsay	Page: 1 of 2
Discipline: Environmental Engineer	Date: 10-23-2018 Tuesday
Site Conditions: Clear, 60–85 °F, 3–10 mph, 55% RH	

SITE LOG

1. Met with Jim Aidukas and Tarik Hadj-Hamou (UltraSystems), and checked into office.
2. Met with Vu Truong (LACDPW).
3. Observed grading operations at buttress area, including water used for soil compaction.
4. A paleontology monitor is present at buttress area for native soil removal.
5. Cell CC-3B is in good order, with no odors present at 9:20 AM.
6. Cell CC-4 Part 1 and Part 2 working areas are in good order, including tippers, traffic controllers and water trucks.
7. Observed new concrete drainage channels installed on slopes below Flare 3 for slope stabilization above buttress area.
8. Cell CC-3A is in good order.
9. Bird abatement is present adjacent to Cell CC-4 Part 1, including falconry.
10. Traffic spotters are onsite to control traffic.
11. Well 3013 gas recovery pipe is hot to the touch. Per SCS personnel, the temperature is within limits.
12. Discussed subsurface oxidation (SSO) status with SCS Engineers, and was informed that both oxidation issues were extinguished.
13. Sediment basin B is in good order.
14. Street sweepers are cleaning the haul roads.
15. Flare 9 is offline.
16. Flare 10 is operating at 2448 scfm, 1652 °F. Gas sample measured at 46 % Vol. CH4, 2.22 % Vol. O2, 60 ppm H2S and over 500 ppm CO. Gas inlet temperature is at 145 °F.
17. Flare 11 is operating at 2545 scfm, 1673 °F. Blowers 1, 2, 3 and 4 are in operation.
18. Gas-to-energy plant is operating at full capacity.
19. Sediment basin A has windblown trash around the riser drains.
20. Windblown trash and debris are accumulating at back of sediment basin A.
21. Sediment basin A outlet channel is blocked with soil at buttress area.
22. Terminal basin has ponding water at riser drains.
23. Soil berm at terminal basin entrance has been removed.
24. Slopes below haul road at terminal basin entrance have been repaired, and are now covered with a cocoa mat material.
25. Water trucks are applying water throughout site for dust control.
26. Flare 1 is operating at 2259 scfm, 1685 °F. Gas sample measured at 45 % Vol. CH4, 0.3 % Vol. O2, 93 ppm H2S and over 500 ppm CO. Gas inlet temperature is at 130 °F.
27. Met with Joshua Mills (Republic), and discussed our site monitoring observations.

Page: 2 of 2 10-23-2018

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FURTHER REVIEW NEEDED
1. Remove windblown trash at sediment basin A. 2. Provide clear drainage for sediment basin A outlet channel. 3. Eliminate ponding water at terminal basin.
Signed: Michael W. Lindsay

UltraSystems

SUNSHINE CANYON LANDFILL

MITIGATION MONITORING
SITE REPORT

Monitor: Tarik Hadj-Hamou, Ph.D., P.E.	PAGE 1 OF 10
Discipline: Civil – Geotechnical and Hydrology	Date: October 23,2018
Site Conditions: Sunny and warm	

SITE LOG

7:00 Met with UltraSystems team members Jim Aidukas and Mike Lindsay, prepare tour of landfill, review of previous visits, discussion of potential issues, organize areas and features to inspect.
7:45: meet with Vu Truong of the L.A. County Department of Public Works

8:00 – 1:00 Site inspection

- Tour of landfill
- Access Roads
- Waste placement
- Erosion protection system
- Drainage systems (Basins, channels)
- Excavation area for Cell CC4 Phase 3
- Landfill for geotechnical and hydrological issues
- Other observations

Access Roads.

- Access road to administration pad. No changes in topography of the area since last visits. The area has been covered with erosion control blankets (Photo 1)

Waste Placement in Cell CC4

- Waste was placed in Part 1 (Photo 2)
  - 3 Tilters were in used (Photo 3)
  - interim daily cover was used and being covered (Photo 4)

Drainage System

- Terminal Basin
  - All sediments have been removed except for some left behind the skimmers (Photo 5) – But the volume occupied by that sediment should not impact the functionality of the basin.
  - Water was ponding near the decant towers/skimmers (Photo 6)
  - The three skimmers were lowered (Photo 6)
  - Plants are growing in the cracks between panels on the inside sidewall of the basin (Photo 7) The earth check dam installed at the entrance of basin in front of the 96 inch pipe stubs was removed (Photo 8).
- Cell CC3 Earthen basin
  - the basin is clean and available for storage
  - the erosion gullies observed on downstream side of the earth embankment of the basin have been repaired (Photo 9)
- Basin A
  - Basin is clean except that refuse was observed in basin near the decant towers
  - Due to the excavation for cell CC4 Phase 3, the channel out of Basin A has been removed but a new channel will be rebuilt when earthwork is completed. It is our understanding from Republic staff, that should a storm occur before reconstruction of the channel that the contractor (Sukut) will be responsible for managing the stormwater and whatever erosion

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results. Their plan is to direct the water toward the toe of the buttress where a retention basin currently exists (Photo 10) and pump the water out.

- Basin B
  - Basin is clean
- Basin D
  - Basin is clean
  - Vegetation including a small bush growing through the crack observed in previous visits has been removed
- Channels
  - all clean
- Moat around Cell CC3 Part 2
  - a fair amount of sediment has accumulated and could cause problem to the pump slated to empty the moat during/after a storm (Photo 11)

Excavation for Cell 4 Phase 3

- Excavation was ongoing with scrapper and dozers
- Compaction provided scrapers and dozers traffic, no rollers are used to compact the material
- In place density and moisture control are monitored by nuclear gauge testing (Photo 12)
- no sign of potential geotechnical issues – the different geologic formations in the area can be clearly seen
  - Horizontal drains are in palace
  - Prism system in use to monitor movement

Erosion Protection Systems

- erosion protection blankets and wattles have been placed on numerous slopes: cell CC3 (Photo 13), behind the administration pad (Photo 14)
- Surfaces of slopes that were observed to present singed of erosion (gullies, ruts) have been groomed
- shotcrete ditches have been built on the slope below Flare 3 (Photo 15)

Access road embankment at Terminal basin

- the areas that had sloughed and mentioned over the course of past visits have been reworked and are protected by erosion control blankets (Photo 16)

Landfill for geotechnical and hydrological issues

- no other geotechnical issues than that noted at access roads were observed during the visit

Miscellaneous

- it is our understand that ground motions were recorded at the site seismograph station during the channel island earthquake of 04/05/2018. Following on our request of September 12, 2018 Republic should look into getting the information.

1:30 – 2:00 PM Close-out meeting with Republic Staff representative to discuss findings of visit

FURTHER REVIEW NEEDED

- Record of ground motion (If the seismograph was triggered) at the landfill following the channel island earthquake of 04/05/2018 should be reviewed in accordance with City of Los Angeles CUP M 4.1.4-11

COMMENTS

Signed:

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Photo 1: Erosion control blanket on access road near administration pad

Photo 2: Waste placement at Cell CC4 – Part 1

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Photo 3: Tilters in use at waste face on Cell CC4 Part 1

Photo 4: Interim over in use at Cell CC4 Part 1

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Photo 5: Sediment behind the decant towers of Terminal Basin

Photo 6: Lowered skimmers and ponding water at Terminal basin

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Photo 7: Vegetation in cracks of inside wall of Terminal basin

Photo 8: Earth check dam removed at Terminal basin

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Photo 9: Repaired erosion gullies on downstream side of embankment of cell CC3 basin

Figure 10: Potential retention basin at toe of buttress for Cell CC4 part 3

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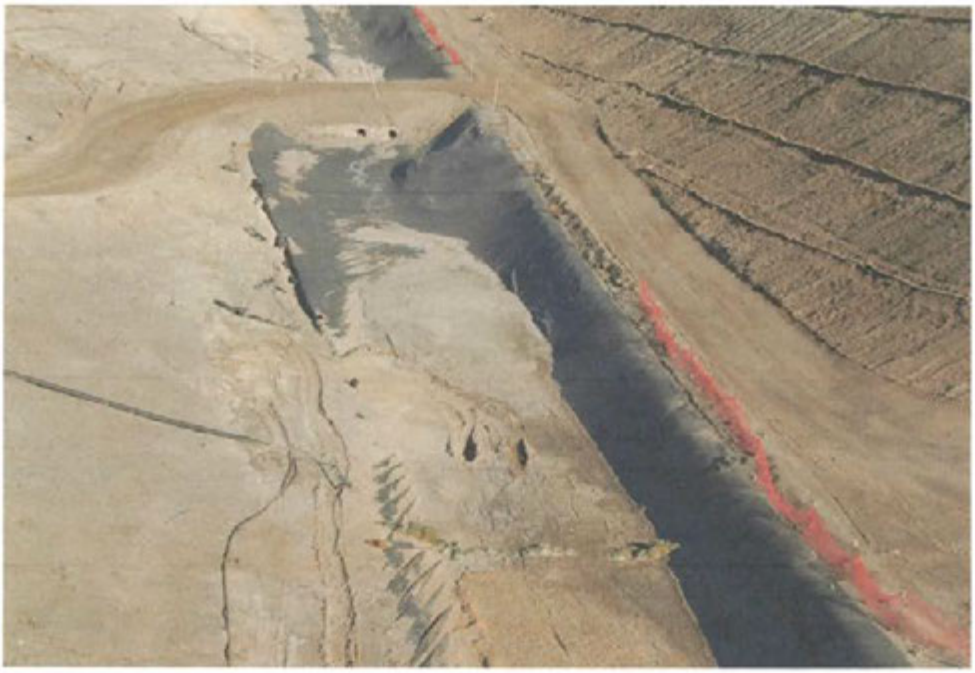

Photo 11: Sediments in moat around Cell CC4 Part 2

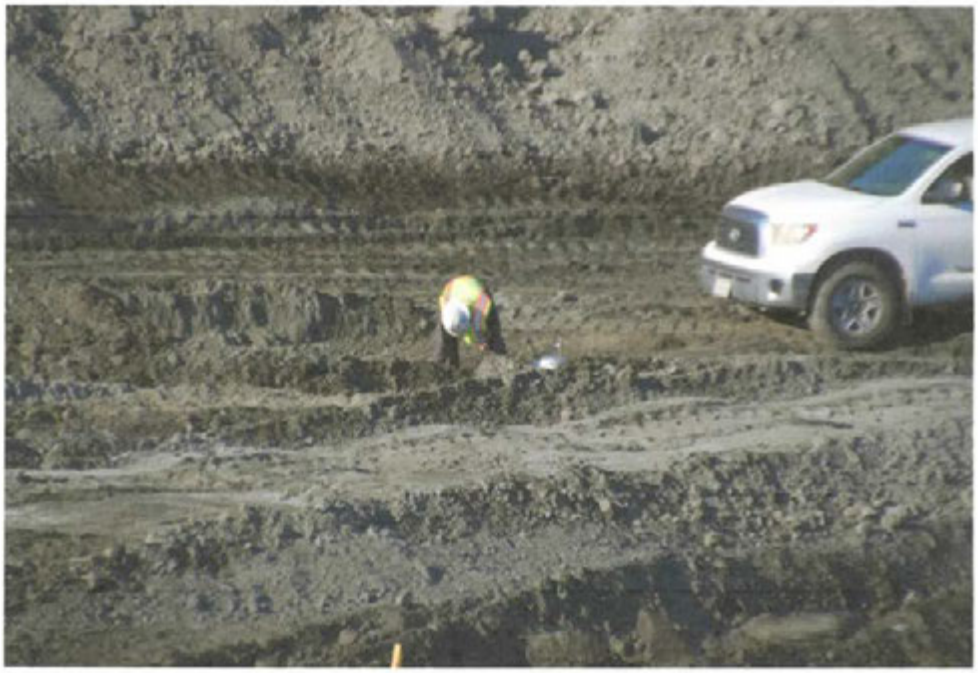

Photo 12: Monitoring of density/moisture content of buttress fill at Cell CC4 Part 3

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Photo 13: Erosion protection BMPs behind the administration buildings

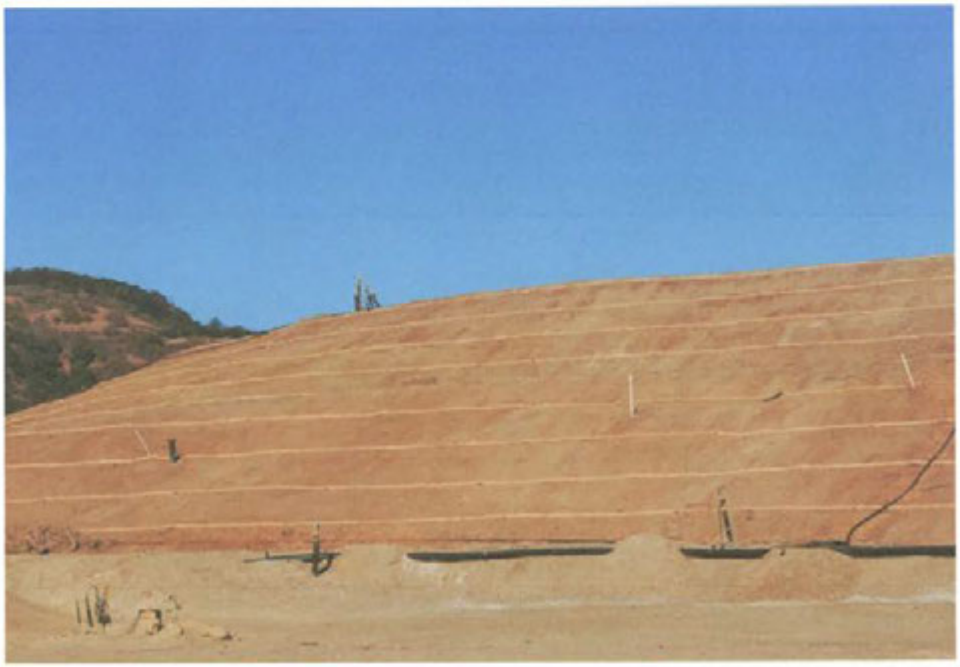

Photo 14: Erosion protection BMPs on the slopes of Cell CC3

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Photo 15: Shotcrete ditcehs on sloep beneath Flare 3

Photo 15: Repaired sloughed areas on slope of access road embankment at Terminal basin

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November Site Visits

November 06, 2018:

James Aidukas (UltraSystems)

Mike Lindsay (UltraSystems)

UltraSystems

SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT

Monitor: James Aidukas	Page: 1 of 2
Discipline: Project Manager	Date: 11/6/18
Site Conditions: Clear 60-75° F, 0-10 MPH winds	

SITE LOG

Republic General Manager - Chris Coyle

Drove the Granada Hills neighborhood and school areas from 6:30 to 7:00 a.m. and there were no landfill odors detected. Met with Mike Lindsay (UltraSystems) and signed in at the office. We proceeded to monitor the site and observed the following:

- Visited the LEA trailer office and got an update from the County LEA staff on current site activities. There were no areas of concern.
- Drove San Fernando Road to Sierra Highway. There was miscellaneous windblown litter observed. A discarded tire was observed at the north entrance wall.
- City packer trucks were observed parked along the old road between Roxford and San Fernando Road at approximately 8:15 a.m. City trucks were staging at the site scales at 8:45 a.m.
- Drove the adjacent neighborhood from 8:45 to 9:20 and no landfill odor were detected.
- The dirt side slopes of the westside drainage channel inlet to the terminal basin were repaired. The temporary dirt berm at the terminal entrance was removed.
- The terminal basin was free of sediment. Ponding water was observed at the outlet risers.
- The main access road slopes near the terminal basin were graded and jute netting and straw wattles were installed.
- The San Fernando Road retaining wall V-ditch was clean. The drains to the road were still plugged with sediment.
- Soil was accumulating along the curb, in front of the wall and in the acceleration lane.
- The stability of the oak trees above the wall should be evaluated.
- There were no odors detected at the site sewer connection area.
- There was alluvial water being collected in a pond below the CC-3B slope. The pond was filled with windblown litter.
- The CC-3B basin's low flow drain was cleaned of sediment and litter. There was no trash hat installed. Tumble weed was collecting around the drain.
- Straw and/or jute netting was installed on unvegetated slopes throughout the site.
- HDPE drainage channels were in place on the CC-3B slope.
- The Alder tank liquids handling facility was operational with no odors detected.
- The old City south landfill had the HDPE drain systems maintained and improved. Straw wattles were installed.
- The closure turf was being maintained with additional areas being covered.
- There was a strong localized odor on CC-3A top deck near well 3013D.

Page 2 of 2, 11/6/18:

- Cell CC-4 Part 1/ Part 2 was accepting waste. No operational concerns were observed.
- CC-4 Part 3 buttress was still under construction. A temporary basin was constructed to handle any rain runoff.
- City Deck B sage mitigation area soil was being pH conditioned.
- City Deck C sage mitigation area had not had non-native removal maintenance done.
- The PM-10 oak trees had some recovery from the summer's high heat. Dead trees need to be replanted.
- Basin B was clean and dry and ready for winter rain events. There were faint gas odors coming from wells south of the basin.
- No activity occurred in the County sage mitigation area.
- Basin A was clean and dry. Outlet drainage pipes were installed. The basin was ready for winter rain events.
- The two old oil well casings near the CC-4 Part 3 buttress have not been re-abandoned.

Flare Operating Conditions:

- Flare 1 - 1678˚F, 2169 SCFM, -57.92" vacuum, 38.43" out, 37% CH_4, 0.3% O_2, 93 ppm H_2S
- Flare 3 - shut down
- Flare 9 - shut down
- Flare 10 - 1667˚F, 3432 SCFM, -63.55" vacuum, 40.82" out
- Flare 11 - 1647˚F, 3425 SCFM

The gas-to-energy plant was using 9,355 SCFM of recovered landfill gas, 46% CH_4, 1.5% O_2, 62 ppm H_2S. Total gas volume recovered was 18,381 SCFM.

FURTHER REVIEW NEEDED
COMMENTS
Signed:

SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT

Monitor: Mike Lindsay	Page: 1 of 2
Discipline: Environmental Engineer	Date: 11-06-2018 Tuesday
Site Conditions: Clear, 60–75 °F, 3–10 mph, 61% RH	

SITE LOG

1. Met with Jim Aidukas (UltraSystems), and checked into office.
2. Met with County LEA regarding SSO status.
3. No odors are present in adjacent neighborhood and school at 8:40 AM.
4. Windblown liter is present along San Fernando Road west of the landfill entrance.
5. Terminal basin has ponding water at riser drains.
6. Straw wattles have been installed on slopes below haul road.
7. Vegetation is growing out of block retaining wall by landfill entrance.
8. Retaining wall drainage is clear of sediment.
9. Acceleration lane is mostly clear of loose soil.
10. No odors are present at seep collection point below Cell CC-3B.
11. Straw wattles have been installed between Cell CC-3A and CC-3B.
12. A strong gas odor is present on the top deck of Cell CC-3A. Wind is blowing from the south at 11 MPH at 10:30 AM. Odor seems to be coming from Well 3013.
13. Bird abatement is present adjacent to Cell CC-4 Part 1, including falconry.
14. Cell CC-4 Part 1 and Part 2 working areas are in good order, including tippers, traffic controllers and water trucks.
15. Excavation work continues at Cell CC-4 Part 3 buttress area, including scrapers, rippers, dozers and water trucks.
16. Flare 1 is operating at 2159 scfm, 1678 °F. Gas sample measured at 37 % Vol. CH4, 0.3 % Vol. O2, 93 ppm H2S and 103 ppm CO. Gas inlet temperature is at 120 °F.
17. Observed overall operations from the observation deck, including grading activities at the buttress.
18. City Deck B sage mitigation area seems ready for planting.
19. City Deck C sage mitigation area is in good condition, with the usual summertime die-back.
20. Water trucks are applying water throughout site for dust control.
21. The PM-10 berm oak trees are recovering from high-heat exposure.
22. Closure Turf is in good order all across the City slopes.
23. Sediment basin B is in good order.
24. Flare 9 is offline.
25. Flare 10 is operating at 3436 scfm, 1651 °F. Gas sample measured at 46 % Vol. CH4, 1.5 % Vol. O2, 62 ppm H2S and over 500 ppm CO.
26. Flare 11 is operating at 3450 scfm, 1660 °F. Blowers 1, 2, 3 and 4 are in operation. Gas inlet temperature is at 136 °F.
27. Street sweepers are cleaning the haul roads.
28. Sediment basin A is in good order, including two new drain pipes installed from basin outlet, underneath roadway and draining to buttress area.
29. Traffic spotters are onsite to control traffic.
30. Met with Chris Coyle, Joshua Mills and Tuong-phu Ngo (Republic), and discussed our site monitoring

Page: 2 of 2 11-06-2018

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observations.

FURTHER REVIEW NEEDED
1. Remove windblown liter on San Fernando Road. 2. Remove vegetation growing out of retaining wall blocks. 3. Eliminate gas odor near Well 3013.
Signed: Michael W. Lindsay

November 20, 2018:

James Aidukas (UltraSystems)

Mike Lindsay (UltraSystems)

UltraSystems

SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT

Monitor: James Aidukas	Page: 1 of 2
Discipline: Project Manager	Date: 11/20/18
Site Conditions: Clear 60-70˚ F, minimal wind	

SITE LOG

Republic General Manager - Chris Coyle

Met with Mike Lindsay (UltraSystems) and signed in at the office. We proceeded to monitor the site and observed the following:

- Drove the Granada Hills neighborhood and school areas from 8:30 to 9:00 a.m. and there were no landfill odors detected.
- Liquid stain marks on the pavement on Balboa Boulevard at Woodley Avenue were observed. The street appeared to have been recently cleaned with a deodorant and no trash odor was detected.
- Drove San Fernando Road to Sierra Highway. The area was free of windblown litter and dumped debris. There was a dumped piece of plywood along the north entrance wall.
- There was a long line of trucks queuing on San Fernando Road at 9:05 a.m.
- The terminal basin was free of sediment. There was water ponding at the outlet risers.
- The terminal basin's westside drainage inlet channel's dirt slopes were graded. No wattles were installed.
- The main access road slopes near the terminal basin had straw wattles and were ready for winter rains.
- The liquids sewer connection area was operational and no odors were detected.
- The south perimeter gate was locked.
- The alluvial seep water at the base of the CC-3B slope had two feet of ponding water in a sump hole.
- The CC-3B basin low flow outlet was cleaned No trash cap was installed.
- The eastern slopes of CC-3A, the County bowl area and the western slopes above the CC-4 Part 3 buttress were hydroseeded.
- CC-4 Part 1/Part 2 was accepting waste.
- The Adler tank liquids handling facility was operational. No odors were detected.
- All wells were operational on the CC-3B top deck with no odors detected.
- There was a strong gas and/or liquids odor on the CC-3A top deck near well 3013. Wells along the top of slope to deck CC-3B had gas odors around the well heads.
- The prior day's dirt cover in the CC-4 Part 1/Part 2 area had litter mixed in it.
- The County's north top deck was being used for CC-4 Part 3 buttress soil stockpile.
- Basin B was clean and dry and read for winter rains. Local faint odors were detected south of the basin near CTC-703 and LC-5.

Page 2 of 2, 11/20/18:

- The wood stockpiled near Basin D was removed.
- There were deep erosion rills on the County's sage mitigation slopes. No sage mitigation activity was occurring.
- Basin A was clean and dry. Riser outlet piping was being installed to drain the basin around the CC-4 Part 3 buttress area.
- A basin was constructed in the northern area of the CC-4 Part 3 buttress to handle rain run-off.
- Soil conditioning was ongoing on the City Deck B sage mitigation area.
- No new areas of Closure Turf were installed. All areas were being maintained.

Flare Operating Conditions:

- Flare 1 - 1700˚F, 2190 SCFM, -57.60" vacuum, 37.56" out, 39% CH_4, 0.4% O_2, 86 ppm H_2S
- Flare 3 - shut down
- Flare 9 - 1657˚F, 2397 SCFM
- Flare 10 - 1643˚F, 2425 SCFM, -63.00" vacuum, 37.90" out
- Flare 11 - 1641˚F, 2543 SCFM

The gas-to-energy plant was using 9,296 SCFM of recovered landfill gas, 49% CH_4, 1.3% O_2, 61 ppm H_2S. Total gas volume recovered was 18,851 SCFM.

FURTHER REVIEW NEEDED
COMMENTS
Signed:

SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT

Monitor: Mike Lindsay	Page: 1 of 2
Discipline: Environmental Engineer	Date: 11-20-2018 Tuesday
Site Conditions: Clear, 55–73 °F, 2–12 mph, 28% RH	

SITE LOG

1. Met with Jim Aidukas (UltraSystems), and checked into office.
2. No odors are present in adjacent neighborhood and school at 8:45 AM.
3. No odors are present on street surface at Woodley Avenue and Balboa Boulevard at 8:50 AM.
4. There are 19 trucks in queue at the San Fernando Road left-turn lane at 9:05 AM.
5. Plywood debris is present in front of landfill entrance wall at terminal basin.
6. Terminal basin has ponding water at riser drains.
7. Water trucks are applying water throughout site for dust control.
8. No odors are present at sewer lift station.
9. Perimeter gate at oil field is closed and locked.
10. A strong landfill gas odor is present on the top deck of Cell CC-3A at 10:35 AM. Well 3013S gas sample measures high O2 and CO (2.4 % Vol. O2 and over 500 ppm CO; and 40 % Vol. CH4).
11. Bird abatement is present adjacent to Cell CC-4 Part 1, including falconry.
12. Traffic spotters are onsite to control traffic.
13. Cell CC-4 Part 1 working area is in good order, including tippers, traffic controllers and water trucks.
14. Cell CC-4 Part 2 working area is in good order, including 22 packer trucks in queue at 10:50 AM.
15. Sediment basin B is in good order.
16. Street sweepers are cleaning the haul roads.
17. Flare 9 is operating at 2437 scfm, 1668 °F. Gas sample measured at 49 % Vol. CH4, 1.3 % Vol. O2, 61 ppm H2S and over 500 ppm CO.
18. Flare 10 is operating at 2424 scfm, 1659 °F.
19. Flare 11 is operating at 2391 scfm, 1660 °F. Blowers 1, 2, 3 and 4 are in operation. Gas inlet temperature is at 140 °F.
20. Sediment basin A is in good order.
21. Excavation work continues at Cell CC-4 Part 3 buttress area, including scrapers, rippers, dozers and water trucks.
22. A paleontology monitor is present for excavation of native soil.
23. Flare 1 is operating at 2200 scfm, 1696 °F. Gas sample measured at 39 % Vol. CH4, 0.4 % Vol. O2, 86 ppm H2S and 339 ppm CO. Gas inlet temperature is at 122 °F.
24. Observed overall operations from the observation deck, including grading activities at the buttress.
25. City Deck B sage mitigation area has not been planted yet.
26. Met with Chris Coyle, Joshua Mills, Tuong-phu Ngo and Dennis (Republic), and discussed our site monitoring observations.

Page: 2 of 2 11-20-2018

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FURTHER REVIEW NEEDED
1. Remove plywood debris on San Fernando Road. 2. Eliminate gas odor near Well 3013S at Cell CC-3A top deck.
Signed: Michael W. Lindsay

December Site Visits

December 13, 2018:

James Aidukas (UltraSystems)

Tarik Hadj-Hamou (SLR)

Mike Lindsay (UltraSystems)

UltraSystems

SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT

Monitor: James Aidukas	Page: 1 of 2
Discipline: Project Manager	Date: 12/13/18
Site Conditions: Clear 50-75˚ F, 0-15 MPH winds	

SITE LOG

Republic General Manager - Chris Coyle

Drove the Granada Hills neighborhood and school areas from 6:45 to 7:15 a.m. and there were no landfill odors detected. The pavement on Balboa Boulevard at Woodley Avenue was observed and no odors were detected. Met with Mike Lindsay (UltraSystems) and Tarik Hadj-Hamou (SLR) and signed in at the office. We proceeded to monitor the site and observed the following:

- CC-4 Part 1/Part 2 slopes had erosion rills on the western slopes. The straw wattles controlled the runoff and minimized slope damage.
- The lower drainage basin around CC-4 Part 2 was full of water. The northeast side had significant sediment.
- The County soil stockpile slopes north of CC-4 Part 1/Part 2 had extremely deep erosion rills. This area had no erosion control systems in place.
- The temporary runoff basins in the CC-4 buttress construction area worked well. Significant erosion occurred on the buttress slopes and deck.
- Basin A was full of water to within one foot of the top of the outlet risers. The basin's water was being pumped into a water truck and used onsite. The basin's outlet was block due to the buttress construction.
- CC-4 Part1/Part 2 was accepting waste.
- The permanent drainage control system on the slopes below Flare 3 performed well. The unfinished termination point above the buttress construction had deep washed out areas. These areas were not in waste.
- Buttress construction and repairs were underway and a paleontologist monitor was on site.
- The Old City South landfill was viewed from a distance and the soil slump in the stockpile area above the office parking lot appears to have increased. Republic's geologist consultant should investigate this condition.
- No mitigation activity has occurred on the County sage slopes. The rain has deepened the erosion rills.
- Basin D was free of sediment and was dry.
- County top deck had no rain damage nor standing water.
- Basin B was dry and had minimal sediment.
- The County bowl area that was hydroseeded had deep erosion rills in the area with no straw wattles.
- The areas with Closure Turf performed well with no apparent damage from runoff.
- The terminal basin's westside inlet drainage channels had erosion in the soil slopes. No wattles were in place.

Page 2 of 2, 12/13/18:

- The terminal basin had standing water at the outlet risers. There was approximately five feet of sediment at the gabion wall at the deepest point.
- Deck B sage mitigation had no planting done.

Flare Operating Conditions:

- Flare 1 - 1683˚F, 2182 SCFM, -57.79" vacuum, 38.48" out, 39% CH_4, 0.4% O_2, 86 ppm H_2S
- Flare 3 - shut down
- Flare 9 - 1677˚F, 2354 SCFM, -62.87" vacuum, 38.18" out
- Flare 10 - 1679˚F, 2395 SCFM
- Flare 11 - 1658˚F, 2373 SCFM

The gas-to-energy plant was using 9,096 SCFM of recovered landfill gas, 46% CH_4, 1.8% O_2, 86 ppm H_2S. Total gas volume recovered was 18,400 SCFM.

FURTHER REVIEW NEEDED
COMMENTS
Signed: 

SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT

Monitor: Mike Lindsay	Page: 1 of 1
Discipline: Environmental Engineer	Date: 12-13-2018 Thursday
Site Conditions: Clear, 52–74 °F, 6–16 mph, 41% RH	

SITE LOG

1. Met with Jim Aidukas and Tarik Hadj-Hamou (UltraSystems), and checked into office and with Joshua Mills (Republic).
2. Buttress excavation work continues at Cell CC-4 Part 3, including scrapers, rippers, dozers and water trucks.
3. Traffic spotters are onsite to control traffic.
4. A paleontology monitor is present for excavation of native soil.
5. Sediment basin A is covered in standing water about five feet deep due to recent rains.
6. Sediment basin A rainwater is being pumped out and used to fill water trucks.
7. Water trucks are applying water throughout site for dust control.
8. The slope below Flare 3 has eroded away where the down-coming V-ditch ends.
9. Flare 3 is offline.
10. Cell CC-4 Part 2 working area is in good order, including tippers, traffic controllers and water trucks. ADC is 40% covered with new trash at 9:20 AM.
11. Westside drainage is in good order, with new liner tie-in work in-progress.
12. Sediment basin D is in good order.
13. Flare 9 is operating at 2321 scfm, 1636 °F. Gas sample measured at 46 % Vol. CH4, 1.8 % Vol. O2, 86 ppm H2S and 237 ppm CO. Gas inlet temperature is at 118 °F.
14. Flare 10 is operating at 2362 scfm, 1632 °F. Gas inlet temperature is at 124 °F.
15. Flare 11 is operating at 3329 scfm, 1640 °F. Blowers 1, 2, 3 and 4 are in operation.
16. Street sweepers are cleaning the haul roads.
17. Sediment basin B is in good order, with some ponding water from recent rains.
18. Cell CC-3A is in good order, with no odors present.
19. Sediment basin 3-A is in good order.
20. An Ecology haul truck (red cab) drove the wrong way around a set of K-rails to avoid the speedbump.
21. Flare 1 is operating at 2200 scfm, 1696 °F. Gas sample measured at 39 % Vol. CH4, 0.4 % Vol. O2, 86 ppm H2S and 339 ppm CO. Gas inlet temperature is at 122 °F.
22. City Deck B sage mitigation area has not been planted yet.
23. Met with Chris Coyle, Joshua Mills, Tuong-phu Ngo, Mike DeYoung and Dennis (Republic), and discussed our site monitoring observations.

FURTHER REVIEW NEEDED

1. None.

Signed: Michael W. Lindsay

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SUNSHINE CANYON LANDFILL

MITIGATION MONITORING
SITE REPORT

Monitor: Tarik Hadj-Hamou, Ph.D., P.E.	PAGE 1 OF 10
Discipline: Civil – Geotechnical and Hydrology	Date: December 13,2018
Site Conditions: Sunny and warm	

SITE LOG

7:30 Met with UltraSystems team members Jim Aidukas and Mike Lindsay, prepare tour of landfill, review of previous visits, discussion of potential issues, organize areas and features to inspect.

8:00 – 1:00 Site inspection

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

Access Roads.

- Access road to administration pad. Photo 1 shows the settlement related depression of the slope above the road. There are no signs of damage on road, curbs, of slope below the road. No changes in topography of the area since last visits.

Waste Placement in Cell CC4

- interim daily cover was used and being covered (Photo 2)
- 3 Tilters were in use (Photo 3)

Drainage System

- Terminal Basin

Sediments have accumulated upstream of the separator gabion wall to a height to approximately 48 inches (Photo 4) – But the volume occupied by that sediment should not impact the functionality of the basin.
Water was ponding near the decant towers/skimmers (Photo 5)
The three skimmers were lowered (Photo 5)

- Cell CC3 Earthen basin

the basin is clean and available for storage
the erosion gullies observed on downstream side of the earth embankment of the basin have reappeared but do not pose a stability risk (Photo 6)

- Basin A

Basin is full of water (Photo 7)
Sukut is using the water for dust control thereby eliminating some of the water in the basin some of the water (Photo 8)
Due to the excavation for cell CC4 Phase 3, the channel out of Basin A has been removed but a new channel will be rebuilt when earthwork is completed. It is our understanding from Republic staff, that should a storm occur before reconstruction of the channel that the contractor (Sukut) will be

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responsible for managing the stormwater and whatever erosion results. Their plan is to direct the water toward through a lined swale (Photo 9) the toe of the buttress where a retention basin currently exists and pump the water out into the main concrete channel connected to the terminal basin. The plan worked well during the earlier storm.

- Basin D

Basin is clean

- Basin B

Basin is essentially clean with a small amount of sediment near the intake towers (Photo 10)

- Channels

Main channels are clean

- Outlet of concrete ditch along the access road to Flare 9-11 and the energy recovery plant is blocked by sediment (Photo 11)
- Moat around Cell CC3 Part 2

Moat around Cell CC4 Part 2

- water accumulated and was pumped out (Photo 12)

Access road to Flare 3

- A large erosion gully has formed on the fill at the end of the unfinished roadway and ditch (Photo 13) leading to a large erosion feature on the fill slope (Photo 14) leading

Excavation for Cell 4 Phase 3

- Excavation/fill placement was ongoing with scrapper and dozers
- Compaction provided scrapers and dozers traffic, no rollers are used to compact the material

Erosion Protection Systems

- Some erosion gullies have developed despite the protection blankets and wattles installed on numerous slopes (Photo 15).
- In general all the systems have held well during the last storm

Landfill for geotechnical and hydrological issues

- no other geotechnical issues than that noted at access roads were observed during the visit
- Close-out meeting with Republic Staff representative to discuss findings of visit

FURTHER REVIEW NEEDED

- None

COMMENTS

- Republic should make sure that Sukut monitor weather forecast and is be ready to drain basin A

Signed:

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Photo 1: Settlement depression on slope above access road near administration pad

Photo 2: Waste placement at Cell CC4 with Interim over

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Photo 3: Tilters in use at waste face on Cell CC4

Photo 4: Sediment behind the separator gabion wall of Terminal Basin

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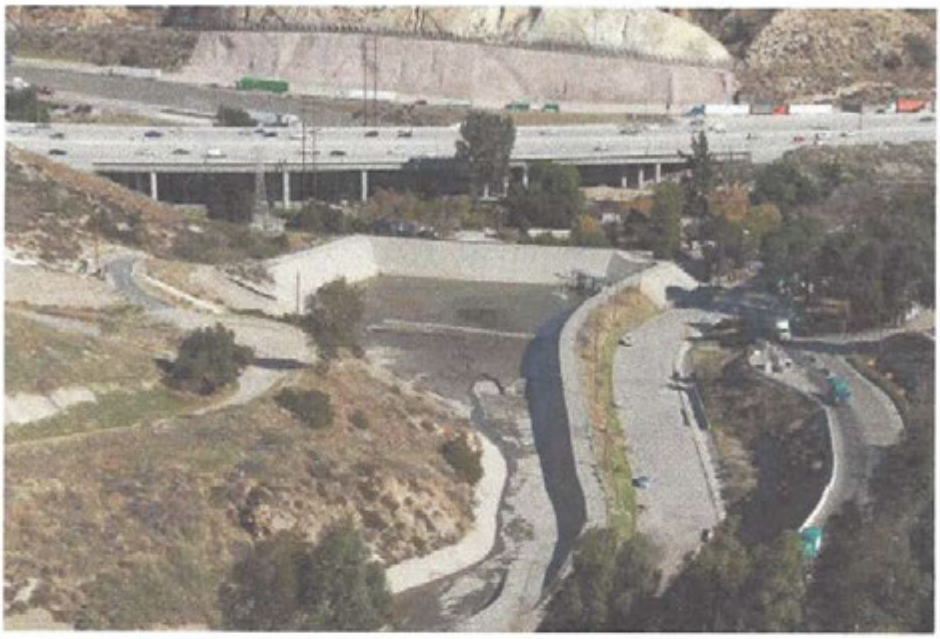

Photo 5: Lowered skimmers and ponding water at Terminal basin

Photo 6: Erosion gullies on downstream side of embankment of cell CC3 basin have reappeared

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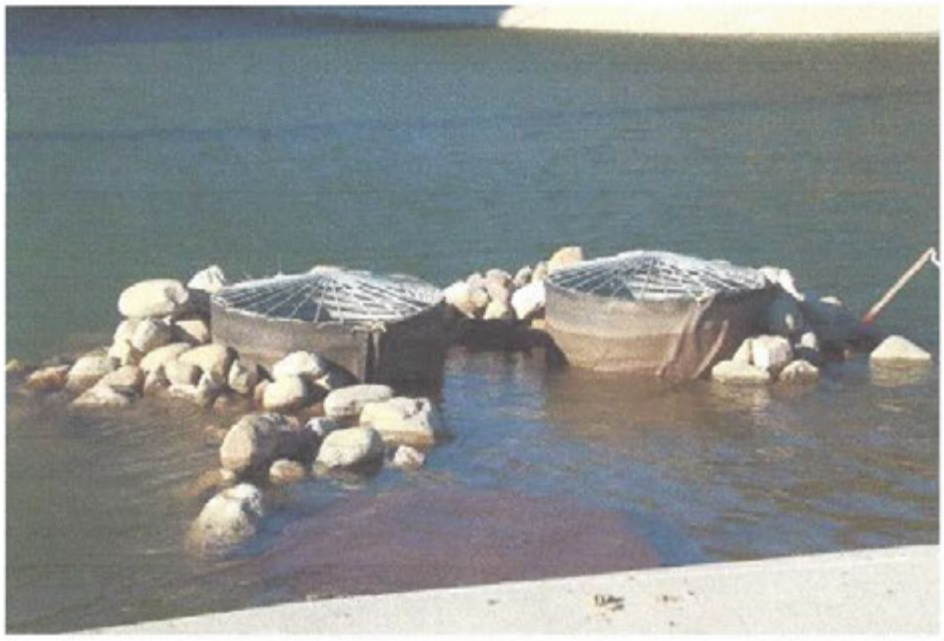

Photo 7: Basin A – water level in basin is near spillway crest

Photo 8: Water form basin A is used for construction by Sukut

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Photo 9: Lined swale to drain Basin A towards temporary basin at toe of buttress

Photo 10: Basin D – small amount of sediments near intake towers

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Photo 11: Sediments blocking drainage of ditch along access road to Flares 9-11

Photo 12: Pumping of water out of moat around Cell CC4 Part 2

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Photo 13: Erosion gully at end of unfinished drainage ditch along road to Flare 3

Photo 14: Damage to fill supporting road to Flare 3 from erosion gully shown in Photo 14

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Photo 15: Minor erosion gullies on wattle protected slopes

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Appendix IV
Meeting Logs

Sunshine Canyon Landfill
Meeting Log for October 2018 Site Monitoring

October 23, 2018

Post-monitoring meeting with Joshua Mills, Chris Coyle, Thong-phu Ngo, Michael DeYoung, and Dennis Montano (Republic)

Attendees:
James Aidukas, UltraSystems
Tarik Hadj-Hamou, SLR
Vu Truong (LACDPW)

Discussion:

We had a post-monitoring meeting with Republic Services and provided them with our monitoring observations. We asked questions regarding site activities and mitigation status, and received comments and updates below.

a. James Aidukas stated that he drove the Granada Hills neighborhood and school areas from 6:30 to 7:15 a.m. and there were no landfill odors detected.
   - Joshua Mills acknowledged the statement.

b. Tarik Hadj-Hamou stated that we observed that the slopes below the main access road near the terminal basin were graded and covered with jute netting. He asked if wattles will be also installed.
   - Joshua Mills stated that wattles will be installed on top of the netting at this location and at the Old City South slopes adjacent to the office facilities.

c. Tarik Hadj-Hamou stated that we observed that the tree growing out of the Basin D concrete spillway was removed and that the high flow spillway for Basin D into the westside drainage has cracks and spalling that should be repaired.
   - Joshua Mills acknowledged the tree removal, and stated that the repair of the spillway and channel cracks are on their action list.

d. James Aidukas stated that the low flow riser drain out of Basin A was plugged and water was ponding in the basin.
   - Joshua Mills stated that Sukit will manage the draining of the basin in coordination with the CC-4 Part 3 buttress grading.

e. James Aidukas stated that trash and windblown litter was observed in the back of Basin A.
   - Joshua Mills stated that this area will be cleaned.

f. Tarik Hadj-Hamou stated that we observed that the CC-4 Part 2 drainage moat was free of sediment and asked how surface runoff will be handled.
   - Joshua Mills stated that any runoff will be pumped into the westside drainage channel or into water drainage piping. The gas powered pumps are installed on a bench in the access road slope.

g. Tarik Hadj-Hamou asked if the buttress compaction was being obtained by only water and scraper wheel loading.

- Joshua Mills stated that compaction was being tested and scraper wheel loading was all that was needed.

h. Vu Truong asked what the fill sequence plan was.
   - Joshua Mills stated that CC-4 Part 1 and Part 2, and CC-3 Part 2 will be used the rest of this year and until CC-4 Part 3 is completed next year.

i. James Aidukas asked what the status was of the Deck A subsurface oxidation.
   - Joshua Mills stated that it was extinguished.

The meeting was then adjourned.

Sunshine Canyon Landfill
Meeting Log for November 2018 Site Monitoring

November 6, 2018

Post-monitoring meeting with Chris Coyle, Joshua Mills and Tuong-phu Ngo (Republic).

Attendees:
James Aidukas, UltraSystems
Mike Lindsay, UltraSystems

Discussion:

We had a post-monitoring meeting with Republic Services and provided them with our monitoring observations. We asked questions regarding site activities and mitigation status, and received comments and updates as follows:

a. James Aidukas asked what cell name is being used to describe the current working area.
   - Joshua Mills stated that they call it Cell CC-4 Part 1/Part 2.

b. James Aidukas stated that there were no landfill odors detected in the adjacent neighborhood and school areas this morning.
   - Joshua Mills acknowledged the statement.

c. James Aidukas stated that packer trucks were seen at approximately 8:15 a.m. parking on the side of the Old Road between Roxford Street and San Fernando Road.
   - Joshua Mills stated that Republic takes their truck numbers down and reports them to the City sanitation.

d. James Aidukas stated that San Fernando Road has windblown trash along the roadway shoulder.
   - Joshua Mills stated that they will have it removed.

e. James Aidukas stated that the sediment basin CC-3B low-flow drain is covered with tumble weeds.
   - Joshua Mills acknowledged the statement and stated that he would advise the operations staff.

f. James Aidukas stated that the San Fernando Road retaining wall has soil accumulated in front of the wall, along the curb, and in the truck acceleration lane.
   - Joshua Mills stated that they will have a street sweeper clean the acceleration lane and evaluate how to clean the curb and sidewalk.

g. James Aidukas stated that there was a strong gas odor on the CC-3A top deck coming from well 3013D..
   - Joshua Mills stated that they are having a pump installed in the well.

h. James Aidukas asked what the status was for Flare 3.
   - Joshua Mills stated that Flare 3 is offline because of the buttress grading.

i. James Aidukas asked what the status of planting was for City Deck B sage mitigation.
   - Tuong-phu Ngo stated that soil conditioning and testing is underway to ensure that the pH is within the right range (not too acidic).

j. James Aidukas asked about the status of City Deck C sage mitigation maintenance and non-native removal.
   - Tuong-phu Ngo stated that they are scheduled to remove non-native trees and perform maintenance.

k. James Aidukas asked what was the status of recommendations from the biologist on what to do for the PM-10 berm oak trees that were damaged by the high summer heat.
   - Tuong-phu Ngo stated that their biologist said the oak trees are stressed, but will be okay.

l. James Aidukas stated that we detected faint gas odors coming from wells south of sediment basin B.
   - Chris Coyle stated that they are evaluating what to do in this area. The gas odors are localized and do not affect offsite areas.

m. Mike Lindsay stated that vegetation is growing out of the blocks at the San Fernando Road retaining wall.
   - Joshua Mills stated that they will address the issue.

n. James Aidukas stated that the haul road on the east side of CC-3A has dust clouds that form in between water truck water applications. The use of recycled asphalt and soil binder should be considered for this area.
   - Joshua Mills acknowledged the statement.

The meeting was then adjourned.

November 20, 2018

Post-monitoring meeting with Chris Coyle, Joshua Mills, Tuong-phu Ngo and Dennis Montano (Republic).

Attendees:
James Aidukas, UltraSystems
Mike Lindsay, UltraSystems

Discussion:

We had a post-monitoring meeting with Republic Services and provided them with our monitoring observations. We asked questions regarding site activities and mitigation status, and received comments and updates as follows:

a. James Aidukas stated that there were no landfill odors detected in the adjacent neighborhood and school areas this morning.
   - Joshua Mills acknowledged the statement.

b. James Aidukas stated that liquid stain marks were seen on the pavement on Balboa Boulevard at Woodley Avenue. The street appeared to have been recently cleaned with a deodorant and trash odor was detected.
   - Chris Coyle stated that John Hamilton of the Los Angeles City Sanitation Department said that they will apply a deodorizer system and do street cleaning. Also, they will make sure that the truck rear lid seals are checked and maintained.

c. James Aidukas stated that there was a dumped piece of plywood along the north front entrance wall.
   - Dennis Montano stated that they will have the debris removed.

d. James Aidukas stated that there is ponding water at the terminal basin riser drains.
   - Joshua Mills stated that they are pumping the water out and removing it with trucks.

e. James Aidukas asked what the purpose was for the stainless-steel valve in the sewer connection area.
   - Tuong-phu Ngo stated that it is the cleanout line connection.

f. James Aidukas stated that there was a strong gas and/or liquids odor on the CC-3A top deck near Well 3013.
   - Joshua Mills stated that Well 3013 is the landfill's deepest well at 250 feet, and produces 200 SCFM of landfill gas. They are in the process of installing a liquids extraction system. They are confident that once the well extraction system is completed, the odors will go away.

g. James Aidukas stated that there were faint localized gas odors detected south of basin B near CTC-703 and LC-5.
   - Joshua Mills stated that a new liner system will replace the existing Visqueen cover, which should eliminate the odors.

h. Mike Lindsay asked if a paleontology monitor is present every day that native soil is excavated at the CC-4 Part 3 buttress area.
   - Joshua Mills stated that a paleo monitor is present every day.

i. James Aidukas asked what was the status of the two old oil well casings near the buttress area.
   - Joshua Mills stated that they will be cut down as necessary and re-abandoned when grading is completed.

The meeting was then adjourned.

Sunshine Canyon Landfill
Meeting Log for December 2018 Site Monitoring

December 13, 2018

Post-monitoring meeting with Chris Coyle, Joshua Mills and Tuong-phu Ngo (Republic).

Attendees:
James Aidukas, UltraSystems
Tarik Hadj-Hamou, SLR
Mike Lindsay, UltraSystems

Discussion:

We had a post-monitoring meeting with Republic Services and provided them with our monitoring observations. We asked questions regarding site activities and mitigation status, and received comments and updates as follows:

a. James Aidukas stated that there is standing water and a significant amount of sediment in the terminal basin.
   - Tuong-phu Ngo stated that they received 2.8 inches of rain last week, with a lot of water coming from sediment basin B.

b. James Aidukas asked if a paleontologist was present to monitor any excavation being done in native soil for the CC-4 Part 3 buttress.
   - Tuong-phu Ngo stated that a paleo monitor is present every day, and that the monitor attended the construction meeting this morning.

c. James Aidukas stated that we observed that Basin A's outlet was blocked and the basin was full of water. Water was being pumped into a truck and being used onsite.
   - Tuong-phu Ngo acknowledged the statement.

d. James Aidukas stated that trash odors were detected at Flare 1 at about noon, when the winds were blowing strong from the working face area.
   - Chris Coyle stated that Gloria is performing odor patrols every day, all day.

e. James Aidukas stated that an Ecology truck was seen driving around the K-rails going the wrong way to avoid speedbumps.
   - Chris Coyle stated that they talk with Ecology about this issue every week.

f. Tarik Hadj-Hamou stated that sediment basin A is being pumped out.
   - Chris Coyle acknowledged the statement.

g. Tarik Hadj-Hamou stated that there is a depression in the Old City South soil stockpile above the office parking area that appears to have slumped more.
   - Chris Coyle stated that the piezometer data at that location was just reviewed, and it was fine.

h. Chris Coyle stated that the weather forecasting service that Republic uses is now predicting a wetter than average winter.
   - James Aidukas acknowledged the statement.

i. Mike Lindsay asked about the design for the westside drainage liner tie-in project.

- Tuong-phu Ngo stated that it includes a sacrificial liner section with an overlap on the exiting liner and a gravel bed with horizontal gas collection piping.

j. Chris Coyle stated that the City sanitation department now has a routine for cleaning the streets adjacent to the landfill.
   - James Aidukas acknowledged the statement.

k. Tarik Hadj-Hamou asked if Republic was sweeping the front entrance.
   - Chris Coyle stated that they are now using a new sweeper company that can sweep the entrance.

The meeting was then adjourned.