

**Sunshine Canyon Landfill
Independent Monitor
Quarterly Site Monitoring Status Report
April 1, 2016 – June 30, 2016**

Prepared For:

City of Los Angeles Department of City Planning

And

County of Los Angeles Department of Regional Planning



Prepared By:



16431 Scientific Way
Irvine, California 92618

Prepared On:

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UltraSystems
environmental | management | planning

CERTIFICATION STATEMENT

August 19, 2016

The attached Quarterly Site Monitoring Status Report for the Sunshine Canyon Landfill dated August 19, 2016 is the Second Quarterly Report for 2016, issued by UltraSystems. This report covers the monitoring period from April 1, 2016 through June 30, 2016 and is prepared for the City of Los Angeles Department of City Planning and the County of Los Angeles Department of Regional Planning.

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

Signed,

James T. Aidukas

Project Manager

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Sunshine Canyon Landfill City Mitigation Monitoring Summary
(see spreadsheet)

Sunshine Canyon Landfill County Mitigation Monitoring Summary
(see spreadsheet)

Appendices

Appendix I – Further Review Needed Comments: Reference I-f through I-i

Appendix II – Photo Location Map and Relevant Site Photos

Appendix III – Quarterly Site Visits

Attendees by Date and Mitigation Monitoring Site Reports

Appendix IV – Meeting Logs

Quarterly Status Report

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

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

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

This Quarterly Report provides the City of Los Angeles Department of Planning and the County of Los Angeles Department of Regional Planning with a concise status of the Mitigation Measure Monitoring for the period of April 1, 2016 to June 30, 2016. It includes:

1. The City and County Mitigation Monitoring Summary spreadsheets for April 1, 2016 to June 30, 2016. These spreadsheets record the areas of monitoring completed and the status of being compliant during the second quarter of 2016;
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 April through June 2016 quarter in order to observe operational site activities and determine compliant status with conditions and/or mitigation measures. They were performed on April 19, 2016; May 10, 2016; May 25, 2016; and June 8, 2016. 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 on-site 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 on-site 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' four 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 – In mid-April, Cells CC-3A and CC-3B were being used for disposal, and ADC was used in both cells. The disposal areas were within the allowed maximum of 2 to 3 acres each. Edison pads were being graded and pole foundations were being prepared for pouring concrete. There was soil sloughing into Basin A from pad grading. Removal of the sloughed soils will need to occur before fall rains. Erosion caused by recent rain events was being repaired.

In early May, construction for the new Edison poles was ongoing. Cell CC-3A and Cell CC-3B were both operational and ADC was being used. Both disposal areas were each below 2 to 3 acres in size.

In late May, Cells CC-3A and CC-3B were being used for disposal, and each were below the 2 to 3 acre maximum. ADC was being used at both locations. Installation of Edison poles was in progress. Wire was being installed on the majority of the poles.

In early June, grading for Edison pole installation was completed and the last poles were installed. Wire was not installed on all of the poles. Drainage control concrete ditches and erosion control/hydroseeding was not completed. Cells CC-3A and CC-3B were both being used for disposal, with each below the 2 to 3 acre size maximum. ADC was being used at both disposal area locations.

Q-B.2.d (City)

Phase III (10 Year Phase Review). Phase III of the Landfill may occur following review by the Director of Planning of the operational history with the assistance of the Technical Advisory Committee, Independent Consultants, and/or Local Enforcement Agency.

Current Status/Comments – The Phase III (10-year Phase Review) was completed and acted upon on October 22, 2015. The City Planning Commission requested at their hearing that any action taken by SCAQMD concerning any abatement orders should be sent to them for their information.

Q-C.3.h (City)

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

Current Status/Comments – In early May, the rumble strip at the exit of Cell CC-3B was not placed in the correct location, and the main paved access road was getting mud tracked onto the pavement. Republic was notified of the condition and was going to correct the problem.

In early June, the trucks leaving Cell CC-3B were using a temporary dirt road that was sloped and washboarded, and trucks were trying to cross bumps in a diagonal direction. Uncontrolled dust was a problem. Use of water was not appropriate on this road because of the grade and type of soil. No road surface treatment was being used. Republic staff stated that an alternative road to replace this temporary access was being constructed.

Q-C.5 (City)

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

Current Status/Comments – On April 19th, new graffiti was seen on the white block wall near the Gas Company's meter station.

On May 10th, the graffiti seen in April that was on the white block wall near the Gas Company's meter station was removed. (Resolved.)

Q-C.10.c (City)

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

Odor/Landfill Gas - 7.07 (County)

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

Gas - 52 (County)

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

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

Current Status/Comments – During the site monitoring on April 19th, the gas-to-energy plant was operating at full production using 8065 SCFM and 46.3% methane of landfill gas. Flare 1 was not monitored; Flare 3 was shut down; Flare 9 was burning 2232 SCFM of landfill gas; and Flare 10 was burning 2455 SCFM of landfill gas.

On May 10th, the gas-to-energy plant was not operating due to Edison upgrading their fiber optic cable. Flare 1 was not monitored; Flare 3 was shut down; Flare 9 was burning 4076 SCFM of landfill gas; and Flare 10 was burning 3975 SCFM of landfill gas.

On the other monitoring visits, the Sunshine Producers gas-to-energy facility and flares were not monitored.

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. 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 – During the May 25th site monitoring, it was observed that the emergency access road from Deck C to the 100-acre buffer area was graded to allow passenger car use. Grading of this road for drainage along with placement of rock should be done before October rains.

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 current construction activities have been completed. Emergency egress should be posted for employees' and customers' use.

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 – During the 2nd Quarter 2016 monitoring period, grading was done outside of the cut and fill conceptual plans for the relocation of the Edison power poles around the outer footprint of the landfill. Plans were approved by the County Department of Public Works and other agencies prior to the start of grading.

The only other grading being done was in the old office site area for the future development of Cell CC-4A. All excavation in undisturbed native soils was being monitored by a paleontologist.

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 – In the 2nd Quarter 2016 monitoring period, alternatives to hydroseeding on interim and inactive slopes and decks for slope stability and dust control were being used due to the drought. Jute netting and plastic netting were being used on slopes. No hydroseeding was done in the fall of 2015. Potable or rain water is needed to germinate the seed. Landfill recycled water is too high in salts, and gray water is not available.

The majority of the slope erosion control was being done by straw wattles, and they performed well in most areas. During the April rain events, the HDPE-lined down-comers and bench V-ditches east of Cell CC-3B had washed away. The terminal basin performed well and controlled sediment from leaving the site.

Soil sealant was not being used during high wind periods to control dust on Deck A, nor on the temporary access roads on the County top deck or exiting Cell CC-3B.

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 – During the May 10th and May 25th site monitoring, it was observed that the two old oil well steel casings in the area north of the new office site have been gradually lowered. The soil around them still has to be lowered by approximately 100 feet. Final lowering of the well casings and permanent abandonment will be done after final grades are reached. The wells did not have any gas or oil emissions when tested.

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

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

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

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

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

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

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

Odor/Landfill Gas - 7.06 (County)

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

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

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

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

- Provide a trained technician to conduct odor patrols in the surrounding neighborhoods at a frequency of one patrol per hour from 6 a.m. to 10 a.m., Monday through Saturday, and during adverse wind conditions.*
- If odor is detected, identify its potential and/or actual source, including those that may not be related to the Landfill's operation, such as an odorous trash dumpster or transfer trucks.*
- If odor is determined to be related to the Landfill's operation, take immediate action to reduce the odor. Document the streets patrolled on a map, time of the patrol, potential source of odor, and immediate actions taken by the Landfill.*

- *A landfill gas mitigation plan in preparation for the next rainy season since landfill gas emissions from either the landfill surface or landfill gas control equipment is cited as a potential contributor in the AQMD's Order for Abatement. The plan should include the following at a minimum:*

- *Description of the site's current Gas Monitoring and Control Plan, including a map showing locations of gas monitoring probes, gas extraction wells, horizontal and vertical gas collection lines, etc.*
- *Compliance history of the site's landfill gas migration control program from January 1, 2009, to the present quarter as well as any corrective actions.*
- *Discuss the impacts of the most recent heavy rains on the landfill gas collection system, including identifying locations of damage due to soil erosion, as well as any corrective actions or mitigation measures.*
- *A work plan that includes preventive measures, such as identifying and filling any surface cracks and installing additional extraction wells, as well as contingency measures.*
- *An implementation schedule for the above work plan.*

Amendment 45.N - 5 (County)

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

Current Status/Comments – Compliance with these mitigation measures, concerning landfill gas monitoring and odor control and detection, is being monitored by a multi-agency team led by the SCAQMD 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.

On April 19th, the monitor drove the adjacent Rancho Cascades neighborhood and Granada Hills neighborhood from 6:40 to 7:15 a.m. No landfill odors were detected. The monitor drove to the greenwaste recycling facilities on Blucher Avenue, and no offsite odors were detected. The monitor drove the Rancho Cascades and Granada Hills neighborhoods again at 8:45 to 9:15 a.m., and no landfill odors were detected.

On May 10th, the monitor drove to the adjacent Rancho Cascades and Granada Hills neighborhoods from 6:15 to 7:00 a.m. No landfill odors were detected. The monitor drove to the greenwaste recycling facilities on Blucher Avenue. There was a strong greenwaste odor detected on Blucher Avenue coming from the C&D facility. At 12000 Blucher (at the road's end) there was a strong fish odor coming from the Perez Disposal facility. The monitor drove the adjacent Granada Hills and Rancho Cascades neighborhood at 9:00 a.m. and did not detect any landfill odors at the school nor in the residential communities.

There were localized liquid and gas odors detected on the side slope in Cell CC-3A near wells C6W676R and 716R.

On May 25th, the monitor drove to the adjacent neighborhood, Van Gogh School and Rancho Cascades area at 6:45 to 7:20 a.m. and from 10:45 to 11:15 a.m. No landfill odors were detected.

Greenwaste odors were detected on Blucher Avenue near the C&D Recycling facility.

The haul road to Cell CC-3A had a strong localized liquid and/or gas odor detected below the southwest-facing slope of the cell.

On June 8th, the monitor drove to the adjacent neighborhood and Van Gogh School at 6:15 to 7:00 a.m. and at 8:45 to 9:30 a.m. No landfill odors were detected. The monitor drove to the greenwaste recycling facilities on Blucher Avenue, and faint greenwaste odors were detected between the North Hills and C&D Recycling facilities. At the end of Blucher Avenue, there was a faint odor of trash at the Perez Disposal Facility.

The monitor drove Foothill Boulevard on the east side of the I-5. There was a strong unidentifiable odor near the LADWP work site gate at 17011 Foothill Boulevard.

There were localized liquid odors detected along the edge of the haul road to Cell CC-3A at the bottom of the southwest-facing slope. The City HDPE-lined drainage lift basin had stagnant water that was not yet pumped. Localized odors were also detected coming from the basin.

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.

During the April 19th site monitoring, it was observed that the eastside channel that had soil eroded away from the top sidewall was repaired.

The rains caused noticeable erosion downstream of Cell CC-3B at the berm, on slopes below the main access road at the concrete box drainage structure and on the County sage mitigation slopes. Repairs were in progress in all areas except the County sage mitigation slope area.

The slopes above the access road with jute netting performed well with no visible erosion, and the hydroseeding was germinating and greening on the hillsides.

The terminal basin controlled sediment from leaving the site.

On May 10th, it was observed that the access road side slopes from the concrete box drainage structure to the entrance had erosion.

The access road box drainage discharge had the HDPE temporary drainage channel removed for Cell CC-3B construction, and the last rain event caused side slope erosion and deep ruts.

On May 25th, it was observed that concrete slope V-ditches were installed near the new Edison pole pads and access roads. No slope erosion control was installed.

The Basin D outlet had a portion of the channel with HDPE liner installed on top of the new concrete poured to provide access to the Edison poles. The leading edges of the HDPE liner were not protected from having water getting in back of it and potentially tearing the liner.

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.

Current Status/Comments – During the 2nd Quarter monitoring, it was observed that access roads were being maintained around the working area for emergency access. All roads were less than 15% grade.

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 should have final cover should be available for review. Documents showing current filled elevations should also be available onsite for review and use. 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 erosion control plan should be available onsite for review. This plan should be a living document that keeps up with construction activities.

M-4.3.1(43) (City)

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

Current Status/Comments – During the 2nd Quarter monitoring, it was observed that there was a significant amount of sediment, construction rock and dirt in Basin A, and sediment in the terminal basin. Republic staff stated that the sediment was drying and the basins are scheduled to be cleaned and ready for fall rains by September.

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 web site 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 stormwater 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.

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 – On May 25th, it was observed that the City Deck C sage mitigation area was doing well and was being maintained.

Deck A and B native sage was doing well. No removal of mustard plant and other non-natives had occurred.

The County sage mitigation area had deep rutted erosion on the slopes and adjacent to the permanent concrete V-ditches. There was no activity in this area.

On June 8th, it was observed that the City Deck C sage mitigation area was doing well and going through the summer die-out cycle.

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 – During the April 19th monitoring, we were informed that the City Attorney, City DWP, and City Recreation and Parks were trying to schedule a meeting in July with the Corps of Engineers and Republic to work on finalizing an agreement to use the Chatsworth Reservoir as a wetland mitigation site.

M-4.9.3(110) (City)

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

Current Status/Comments – During the April 19th monitoring, it was observed that Sierra Highway near the I-14 overpass had minor cardboard debris in the roadway. The overpass columns were graffitied. This area is monitored and cleaned by Republic.

The following illegal dumping was observed outside of Republic's clean-up area:

At San Fernando Road near the I-5 overpass there was more dumping of trash and old TV's. Some of the rock and rubble near the edge of the roadway observed in March had been removed. The graffiti on the overpass columns was removed. UltraSystems reported this illegal dumping to 311.

At the end of Nicholas Avenue in the Rancho Cascades neighborhood, there is a large vacant parcel with illegal dumping taking place on it. There are many tons of waste dumped at this location.

On May 10th, the monitor drove Sierra Highway near the I-14 and observed that it was clean and free of litter and graffiti. At the end of Nicholas Avenue in the Rancho Cascades neighborhood, the illegal dumping of rock and rubble and large-item waste had increased on this private, half-acre site. The monitor drove to San Fernando Road near the I-5 overpass, and there was more illegal dumping of waste and construction debris.

On May 25th, the monitor drove Sierra Highway near the I-14 overpass, and it was free of litter and trash. All other areas patrolled by Republic were clean.

More illegal dumping has occurred on San Fernando Road near the I-5 overpass. This is outside of Republic's clean-up area.

During the June 8th monitoring, the monitor drove Sierra Highway near the I-14 overpass, and it was free of trash and windblown litter. The overpass columns had the graffiti painted over.

At San Fernando Road near the I-5 overpass, there was more dumping of trash and construction debris on the shoulder and adjacent to the roadway. The Rancho Cascades neighborhood at the end of Nicholas Avenue, there is a large vacant parcel with illegal dumping taking place on it. The amount of dumped construction debris has increased since the last site visit.

M-4.9.4(125) (City)

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

continued deterrent for unauthorized entry to the project site. Additionally, the landfill operator shall maintain posted "no trespassing" signage at the exterior perimeter fencing nearest the project site entrance.

Current Status/Comments – Throughout the 2nd Quarter of 2016, the south perimeter oil field gate was observed to be locked.

M-4.19.2(191) (City)

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

Ecological Significance 62 (County)

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

Current Status/Comments – Throughout the 2nd Quarter of 2016, a Republic paleontological consultant was on site monitoring the excavation west and south of the old offices site in the City and County jurisdictions, near Basin A and at the old office site. Paleontological reports are on file and are available in Republic's offices.

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 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 should be available for agency and monitor review.
- e) Site drainage plans, including surface and underdrain systems with complementing revegetation plan.

- 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 issues are not being actively monitored by UltraSystems, and may not be compliant.

The 2016 second quarter Mitigation Monitoring Summary spreadsheets track the progress and completion of tasks as they were accomplished during this quarterly period.

Sunshine Canyon Landfill City Mitigation Monitoring Summary
(04-01-2016 through 06-30-2016)

Line #	Reference #	Mitigation #	City Mitigation Measures and Conditions Monitored by Discipline	Monitoring Frequency	First Quarter 2016																Second Quarter 2016																	
					1/7/2016	Status*	Further Review Needed/Comments**	Resolved*	1/27/2016	Status*	Further Review Needed/Comments**	Resolved*	2/24/2016	Status*	Further Review Needed/Comments**	Resolved*	3/9/2016	Status*	Further Review Needed/Comments**	Resolved*	3/23/2016	Status*	Further Review Needed/Comments**	Resolved*	4/19/2016	Status*	Further Review Needed/Comments**	Resolved*	5/10/2016	Status*	Further Review Needed/Comments**	Resolved*	5/25/2016	Status*	Further Review Needed/Comments**	Resolved*	6/8/2016	Status*
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	✓	C	NONE	✓	C	NONE	
9	Q - B.2.c.		Ancillary Uses and Facilities	ongoing	✓	C	I-a	✓	C	I-b	✓	C	I-c	✓	C	I-d	✓	C	I-e	✓	C	I-f	✓	C	I-g	✓	C	I-h	✓	C	I-i	✓	C	I-i	✓	C	I-i	
10			Ancillary Uses and Facilities																																			
11	Q - B.2.d (3)		10 Year Phase Review	2015	✓	C	NONE	R	✓	C	NONE	✓	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	✓	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	✓	C	NONE	✓	C	NONE	
17	Q - C.3.h.		Surfacing of Access Roads	ongoing	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	FRN	I-g	✓	C	NONE	✓	FRN	I-i	✓	FRN	I-i	
18	Q - C.5.		Graffiti Removal and Deterrence	ongoing	✓	C	NONE	✓	FRN	I-b	✓	C	I-c	R	✓	C	NONE	✓	FRN	NONE	✓	FRN	I-f	✓	C	I-g	R	✓	C	NONE	✓	C	NONE	✓	C	NONE		
19	Q - C.10.c.		Evaluation of Beneficial Gas Usage	June yearly	✓	C	I-a	✓	C	I-b	✓	C	NONE	✓	C	I-d	✓	FRN	I-e	✓	C	I-f	✓	C	I-g	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE	
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-d	R	✓	FRN	I-e						✓	FRN	I-h										
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	✓	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
(04-01-2016 through 06-30-2016)**

Line #	Reference #	Mitigation #	City Mitigation Measures and Conditions Monitored by Discipline	Monitoring Frequency	First Quarter 2016																Second Quarter 2016																		
					1/17/2016	Status*	Further Review Needed/Comments**	Resolved*	1/27/2016	Status*	Further Review Needed/Comments**	Resolved*	2/24/2016	Status*	Further Review Needed/Comments**	Resolved*	3/9/2016	Status*	Further Review Needed/Comments**	Resolved*	3/23/2016	Status*	Further Review Needed/Comments**	Resolved*	4/19/2016	Status*	Further Review Needed/Comments**	Resolved*	5/10/2016	Status*	Further Review Needed/Comments**	Resolved*	5/25/2016	Status*	Further Review Needed/Comments**	Resolved*	6/8/2016	Status*	Further Review Needed/Comments**
29																																							
30	M - 4.1.1	7	Reabandonment Procedures	status	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		FRN	C	I-d		✓	FRN	I-e				✓	FRN	I-g		✓	FRN	I-h						
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	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	NONE		✓	FRN	I-d		✓	FRN	I-e		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE
35	M - 4.2.12		Site Erosion-Cell Height	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE
36	M - 4.2.12		Site Erosion-Sealant	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i
37	M - 4.2.13	29	LFG Control Measures	ongoing	/		I-a		/		I-b		/		I-c		/		I-d		/		I-e		/		I-f		/		I-g		/		I-h		/		I-i
38	M - 4.2.13	30	Operational Odor Control Techniques	ongoing	/		I-a		/		I-b		/		I-c		/		I-d		/		I-e		/		I-f		/		I-g		/		I-h		/		I-i
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-a		/		I-b		/		I-c		/		I-d		/		I-e		/		I-f		/		I-g		/		I-h		/		I-i
41	M - 4.2.13	33	Odor Control Measures	ongoing	✓	C	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	C	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i
42	M - 4.2.13	34	Odor/LFG Monitoring	ongoing	/		I-a		/		I-b		/		I-c		/		I-d		/		I-e		/		I-f		/		I-g		/		I-h		/		I-i
43			Periodic LFG Monitoring		/		I-a		/		I-b		/		I-c		/		I-d		/		I-e		/		I-f		/		I-g		/		I-h		/		I-i
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-d						✓	FRN	I-f												
47	M - 4.4.2	70	Purchasing Wetland Credit	status	/				/				/				/				/				/				/				/				/		
48	M - 4.4.2	71	Funding-Invasive Species Eradication Program	status	/				/				/				/				/				/				/				/				/		
49	M - 4.6	85	Site Lighting	status	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	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																																			
55	M - 4.9.3	110	Illegal Dumping Activities	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	I-f		✓	C	I-g		✓	C	I-h		✓	C	I-i
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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(04-01-2016 through 06-30-2016)

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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	✓	C	I-a		✓	C	I-b		✓	C	I-c		✓	C	I-d		✓	C	I-e		✓	C	I-f		✓	C	I-g		✓	C	I-h		✓	C	I-i	
86	M - 4.1.1	3	Unsuitable Material Removal/Buffer Zones	ongoing																																				
87	M - 4.1.1	4	Grading Outside of Landfill Footprint	ongoing	✓	C	I-a		✓	C	I-b		✓	C	I-c		✓	C	I-d		✓	C	I-e		✓	C	I-f		✓	C	I-g		✓	C	I-h		✓	C	I-i	
88	M - 4.1.1	5	Grading Activity Compliance	ongoing	✓	C	I-a		✓	C	I-b		✓	C	I-c		✓	C	I-d		✓	C	I-e		✓	C	I-f		✓	C	I-g		✓	C	I-h		✓	C	I-i	
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	✓	C	I-a		✓	C	I-b		✓	C	I-c		✓	C	I-d		✓	C	I-e		✓	C	I-f		✓	C	I-g		✓	C	I-h		✓	C	I-i	
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	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
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		✓	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	I-f		✓	C	I-g		✓	C	I-h		✓	C	I-i		✓	C	I-i		✓	C	I-i					
106	M - 4.18	178	Landfill Elevation Exceedance	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-i		✓	FRN	I-i					
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		/	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	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	R	✓	FRN	I-g		✓	FRN	I-h																	
114	M - 4.3.1	38	Permanent/Temporary Ditches	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f	R	✓	FRN	I-g		✓	FRN	I-h																	
115	M - 4.3.1	39	Drainage Protection	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h																	
116	M - 4.3.1	40	SWRCB Permit Coverage	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	C	I-f		✓	C	I-g		✓	C	I-h		✓	C	I-i		✓	C	I-i		✓	C	I-i					
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-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-i		✓	FRN	I-i					
120	M - 4.3.1	44	Final Landfill Cover	ongoing																																																
121	M - 4.3.1	45	Erosion Control Plan	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	C	I-f		✓	C	I-g		✓	C	I-h																	
122	M - 4.3.1	46	Preventive Maintenance Program	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	R	✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h	R	✓	FRN	I-i		✓	FRN	I-i		✓	FRN	I-i					
123	M - 4.3.2	49	Interception of Groundwater Seepage	ongoing																																																
124	M - 4.3.2	50	LCRS/Leachate Monitoring	ongoing																																																
125	M - 4.3.2	51	LCRS Monitoring	ongoing																																																
126																																																				
127	Biologist																																																			
128																																																				
129																																																				
130	M - 4.1.1	6	Slope Erosion Control	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-i		✓	FRN	I-i					
131	M - 4.2.11	23	Revegetation/Excavation	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-i		✓	FRN	I-i					
132	M - 4.2.12		Temporary Vegetation Cover	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-i		✓	FRN	I-i					

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133	M - 4.4.1	60	Coastal Sage Scrub Mitigation Plan	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e								✓	FRN	I-h		✓	FRN	I-i		
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	✓	C	NONE		✓	C	NONE		✓	FRN	I-c		✓	C	NONE		✓	C	NONE																
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	I-b		✓	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	I-b		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE
151	M - 4.4.3	81	Irrigation System	ongoing																																			
152	M - 4.4.3	82	Annual Tree Monitoring Report	annual					✓	FRN	I-b																												
153	M - 4.9.2	96	Vector Activity Monitoring	ongoing																																			
154	M - 4.9.2	97	Vector Elimination	ongoing																																			
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
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	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE
160	M - 4.9.2	103	Salvaged Material Storage-Vector Control	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE
161	M - 4.9.2	104	Periodic Vector Inspections	ongoing																																			

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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		✓	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		/	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		✓	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		✓	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		✓	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		/	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		✓	C	NONE				
186																																															
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		✓	C	NONE				

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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		/	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-d	R	✓	FRN	I-e																					
200	M - 4.9.4	123	Personal Protective Equipment	ongoing																																✓	FRN	I-h							
201	M - 4.9.4	125	Site Access/Fencing	ongoing	✓	C	I-a		✓	C	I-b		✓	C	I-c		✓	C	I-d		✓	C	I-e		✓	C	I-f		✓	C	I-g		✓	C	I-h		✓	C	I-i						
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		✓	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		/	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		✓	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		/	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		/	NA	NONE		
212																																													
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		/	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		/	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		✓	C	NONE		
219	M - 4.19.2	190	Paleontological Resources Recovery	ongoing																																									
220	M - 4.19.2	191	Paleontological Resources Inspection	ongoing	✓	C	I-a		✓	C	I-b		✓	C	I-c		✓	C	I-d		✓	C	I-e		✓	C	I-f		✓	C	I-g		✓	C	I-h		✓	C	I-i						

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1	Project Manager																																						
2																																							
3																																							
4	Amendment 45.N - 1	45N	Daily Cover Materials	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	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				
6	Amendment 45.N - 4.a	45N	Order for Abatement Status	ongoing	/		I-a		/		I-b		/		I-c		/		I-d		/		I-e		/		I-f		/		I-g		/		I-h		/		I-i
7	Amendment 45.N - 4.c	45N	Odor Patrol Program	ongoing	/		I-a		/		I-b		/		I-c		/		I-d		/		I-e		/		I-f		/		I-g		/		I-h		/		I-i
8	Amendment 45.N - 4.d	45N	Landfill Gas Mitigation Plan	ongoing	/		I-a		/		I-b		/		I-c		/		I-d		/		I-e		/		I-f		/		I-g		/		I-h		/		I-i
9	Amendment 45.N - 5	45N	Dust and Odor Reports	ongoing	/		I-a		/		I-b		/		I-c		/		I-d		/		I-e		/		I-f		/		I-g		/		I-h		/		I-i
10																																							
11	Combined Site & Bridge Area -20.A	20.A	Joint Powers Authority	info	/				/				/				/				/				/				/				/						
12	Combined Site & Bridge Area -20.F	20.F	Mitigation Reporting and Monitoring Program Amendment	status	/				/				/				/				/				/				/				/						
13	Landfill Capacity - 27	27	Tipping Fees for Partial Loads/Peak Hours	status																																			
14	Grading & Drainage-41.A -.D	41A-D	Water Conservation	status	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE				
15	Revegetation - 44.F	44.F	Revegetation	status	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i
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				
17	Fugitive Dust - 45.F	45.F	Inactive Areas Monitoring	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE				
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				
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				
20	Gas - 52	52	Landfill Gas Collection System	ongoing	✓	C	I-a		✓	C	I-b		✓	C	NONE		✓	C	I-d		✓	FRN	I-e		✓	C	I-f		✓	C	I-g		✓	C	I-h		✓	C	I-i
21	Traffic - 57	57	Traffic Improvements	status	✓	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				
23	Traffic - 61	61	Traffic Minimization	ongoing	✓	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				
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				
30	Alternative Fuel Vehicles - 77.C	77.C	Alternative Fuel Vehicles-Report	status																																			

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31	Alternative Fuel Vehicles - 77.D	77.D	Alternative Fuel Vehicles-heavy-duty, alternative fuel off-road equipment pilot program	status																																		
32	Alternative Fuel Vehicles - 77.E	77.E	Alternative Fuel Vehicles-Non-diesel Requirements	status																																		
33	Alternative Fuel Vehicles - 77.F	77.F	Alternative Fuel Vehicles-Non-diesel Truck Trip Requirements	status																																		
34	Alternative Fuel Vehicles - 77.G	77.G	Alternative Fuel Vehicles-Clean Fuel Demo Program	status																																		
35	Alternative Fuel Vehicles - 77.H	77.H	Alternative Fuel Vehicles-Compliance Evaluation	status																																		
36	Air Quality Monitoring - 81	81	Air Quality Monitoring-Testing	ongoing	/			/				/				/				/			/				/				/				/			
37			Air Quality Monitoring-Testing																																			
38	IMP - Part I.A	IMP1	Air Quality Monitoring-Testing	ongoing	/			/				/				/				/			/				/				/				/			
39			Air Quality Monitoring-Testing																																			
40	IMP - Part VI	IMP6	Air Quality Monitoring-Testing	ongoing	/			/				/				/				/			/				/				/				/			
41																																						
42	MMRS-12/01/06		Mitigation Monitoring and Reporting Summary	info	/			/				/				/				/			/				/				/				/			
43			Permits																																			
44	Geology - 1.15		Permittee's On-site Solid Waste Recovery and Recycling Program	status	/			/				/				/				/			/				/				/				/			
45	Surface Water - 2.09		SWRCB Permit Coverage	ongoing	/			/				/				/				/			/				/				/				/			
46	Surface Water - 2.15		Surface Water Preventive Maintenance Program	ongoing	✓	FRN	I-a	✓	FRN	I-b	✓	FRN	I-c	R	✓	FRN	I-d	✓	FRN	I-e	✓	FRN	I-f	✓	FRN	I-g	✓	FRN	I-h	R	✓	FRN	I-i					
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	✓	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	✓	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	✓	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	✓	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	✓	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	✓	C	NONE	
57	Air Quality - 6.03		Dust Emission Minimization	ongoing																																		
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	✓	C	NONE	
59	Air Quality - 6.05		Operations in Accordance with SCAQMD/DOPW Requirements	info	/			/				/				/				/			/				/				/				/			

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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	✓	C	NONE	✓	C	NONE	✓	C	NONE
65	Air Quality - 6.11		Alternative Fuel Refuse Collection/Transfer Trucks	status																																				
66	Air Quality - 6.11		Alternative Fuel Vehicle Report Submission	status																																				
67	Air Quality - 6.11		Heavy-duty, Alternative Fuel Off-Road Equipment Pilot Program	status																																				
68	Air Quality - 6.11		Non-Diesel, Alternative Fuel Vehicles-Transfer/Collection Trucks	status																																				
69	Air Quality - 6.11		Non-Diesel, Alternative Fuel Vehicles Truck Trips	status																																				
70	Air Quality - 6.11		Clean Fuel Demonstration Program	status																																				
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	✓	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	✓	C	NONE	✓	C	NONE	✓	C	NONE
74	Odor/Landfill Gas – 7.04		Gas Collection/Flare System Risk Mitigation	ongoing																																				
75	Odor/Landfill Gas – 7.05		Wellhead Awareness	status	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE
76	Odor/Landfill Gas – 7.06		Odor Control Measures	ongoing	✓	C	I-a	✓	FRN	I-b	✓	FRN	I-c	✓	FRN	I-d	✓	FRN	I-e	✓	C	I-f	✓	FRN	I-g	✓	FRN	I-h	✓	FRN	I-i	✓	FRN	I-i						
77	Odor/Landfill Gas – 7.07		Gas Recovery and Sale	status	✓	C	I-a	✓	C	I-b	✓	C	I-c	✓	C	I-d	✓	FRN	I-e	✓	C	I-f	✓	C	I-g	✓	C	I-h	✓	C	I-i	✓	C	I-i						
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	✓	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	✓	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	✓	C	NONE	✓	C	NONE	✓	C	NONE

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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	
90	Visual – 10.11		Litter Control-Fencing	ongoing	✓	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		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
92	Visual – 10.11		Litter Control-Additional Measures	ongoing																																
93	Visual – 10.12		Discharge Control/Litter Recovery	status																																
94	Water Conserv. - 11.01		Water Conservation	ongoing	✓	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	
96	Recycling - 14.03		Tonnage Disposal Determination	info	/				/				/				/				/				/				/				/			
97	Recycling - 14.04		Recycling-Various Tasks	info	/				/				/				/				/				/				/				/			
98			Clean Dirt Procedures																																	
99	Site - 15.11		Reclaimed Water Utilization	status	/				/				/				/				/				/				/				/			
100	Site - 15.12		Water Conservation Measures	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	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		✓	FRN	I-b		✓	C	NONE	R	✓	C	NONE		✓	FRN	I-f		✓	C	I-g	R	✓	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	
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	✓	C	I-a		✓	C	I-b		✓	C	I-c		✓	C	I-d		✓	C	I-e		✓	C	I-f		✓	C	I-g		✓	C	I-h	
135	Geology - 1.09		Outer Perimeter Ridgeline Requirements	info																																
136	Geology - 1.12		Soil Stabilization	ongoing	✓	C	I-a		✓	C	I-b		✓	C	I-c		✓	C	I-d		✓	C	I-e		✓	C	I-f		✓	C	I-g		✓	C	I-h	

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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-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i	
148	Visual – 10.02		Final Fill Elevations	ongoing																																				
149																																								
150	Hydrologist																																							
151																																								
152																																								
153	Grading & Drainage - 38	38	Installation of Drainage Structures	ongoing																																				
154																																								
155	Geology - 1.17		Landfill Design/Construction-Seismic	ongoing																																				
156	Surface Water - 2.01		Surface Water Runoff Interception	ongoing																																				
157	Surface Water - 2.02		Surface Water Runoff Collection	ongoing																																				
158	Surface Water - 2.03		Surface Drainage Control-Maintenance	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i	
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																																				
164	Surface Water - 2.11		Surface Water Quality-Collection/Monitoring	ongoing																																				
165	Surface Water - 2.12		Permanent/Temporary Drainage Facilities	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h					
166	Surface Water - 2.13		Permanent/Temporary Drainage Facilities	ongoing																																				
167	Surface Water - 2.14		Erosion Control Plan	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c	R	✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h					

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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	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i
176	Revegetation - 44.B	44.B	Interim Reclamation/Revegetation Plan-Sold Waste	ongoing																																			
177	Revegetation - 44.D	44.D	Final Fill Slope Requirements	ongoing																																			
178	Revegetation - 44.E	44.E		ongoing																																			
179																																							
180	Geology - 1.13		Drainage Plan Approval	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i
181	Geology - 1.14		Personnel Retention for Monitoring Soil Erosion	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i
182	Groundwater - 3.11		Irrigation/Revegetation Management- Personnel Retention	ongoing																																			
183	BIOTA – 4.10		Oak Tree Permit	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE
184	BIOTA – 4.11		Oak Tree Mitigation Plan	ongoing	✓	C	NONE		✓	C	NONE		✓	C	I-c		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	I-h		✓	C	NONE
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-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e									✓	FRN	I-h		✓	FRN	I-i	
189	BIOTA – 4.28		Coastal Sage Scrub Seeding	ongoing																																			
190	BIOTA – 4.29		San Diego Horned Lizard Mitigation	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	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																																			

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200	BIOTA – 4.41		Revegetation Plan-Replacement Cover	ongoing																																			
201	BIOTA – 4.42		Interim Vegetation	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i
202	BIOTA – 4.43		Replacement Riparian Habitat	status														✓	FRN	I-d															✓	FRN	I-i		
203	Air Quality - 6.02		Dust Control	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i
204	Visual – 10.06		Upper Ridge Planting/Revegetation	ongoing																																			
205	Visual – 10.07		Tree Planting Around Perimeter	ongoing																																			
206	Visual – 10.08		Cover/Revegetation Requirements	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i
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																																			
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																																							
216	Air Quality & Noise Specialist																																						
217																																							
218																																							
219	Fugitive Dust - 45.F	45.F	Fugitive Dust Monitoring	ongoing																																			
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																																			

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Sunshine Canyon Landfill County Mitigation Monitoring Summary (04-01-2016 through 06-30-2016)

Line #	Reference #	Mitigation #	County Mitigation Measures and Conditions Monitored by Discipline	Monitoring Frequency	First Quarter 2016																Second Quarter 2016																			
					1/7/2016	Status*	Further Review Needed/Comments**	Resolved*	1/27/2016	Status*	Further Review Needed/Comments**	Resolved*	2/24/2016	Status*	Further Review Needed/Comments**	Resolved*	3/9/2016	Status*	Further Review Needed/Comments**	Resolved*	3/23/2016	Status*	Further Review Needed/Comments**	Resolved*	4/19/2016	Status*	Further Review Needed/Comments**	Resolved*	5/10/2016	Status*	Further Review Needed/Comments**	Resolved*	5/25/2016	Status*	Further Review Needed/Comments**	Resolved*	6/8/2016	Status*	Further Review Needed/Comments**	Resolved*
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	/				/				/				/				/				/				/				/				/			
245																																								
246																																								
247	Hydrology, Hazardous Waste / Risk of Upset																																							
248																																								
249																																								
250	IMP - Part IV.E	IMP4	Load Inspection-Random Manual	ongoing																																				
251																																								
252	Groundwater - 3.05		Leachate Collection and Removal System	ongoing																																				
253	Groundwater - 3.15		Underground Diesel Fuel Storage Tanks	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	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													✓	FRN	I-d		✓	FRN	I-e					✓	FRN	I-h										
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																																				

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**Sunshine Canyon Landfill County Mitigation Monitoring Summary
(04-01-2016 through 06-30-2016)**

Line #	Reference #	Mitigation #	County Mitigation Measures and Conditions Monitored by Discipline	Monitoring Frequency	First Quarter 2016																Second Quarter 2016															
					1/7/2016	Status*	Further Review Needed/Comments**	Resolved*	1/27/2016	Status*	Further Review Needed/Comments**	Resolved*	2/24/2016	Status*	Further Review Needed/Comments**	Resolved*	3/9/2016	Status*	Further Review Needed/Comments**	Resolved*	4/19/2016	Status*	Further Review Needed/Comments**	Resolved*	5/10/2016	Status*	Further Review Needed/Comments**	Resolved*	5/25/2016	Status*	Further Review Needed/Comments**	Resolved*	6/8/2016	Status*	Further Review Needed/Comments**	Resolved*
262	Hazardous Materials – 13.11		Spill Response Program	ongoing																																
263	Safety - 16.02		Injury and Illness Prevention Program	status																																
264	Safety - 16.03		Working Conditions-Monitoring	status																																
265	Safety - 16.04		Inspection Checklist-Work Area Exposure	status																																
266	Safety - 16.07		Accident/Injury Reports	status																																
267	Safety - 16.08		First-aid Kits	ongoing																																
268	Safety - 16.10		Lockout/Blackout Procedures	status																																
269	Safety - 16.11		Personal Protective Equipment	status																																
270	Landfill Operation - 18.8		Prohibited Waste Procedures	ongoing																																
271																																				
272	Archaeologist																																			
273																																				
274																																				
275	Ecological Significance - 62	62	Archaeological/Paleontological Identification/Conservation Program	ongoing	✓	C	I-a		✓	C	I-b		✓	C	I-c		✓	C	I-d		✓	C	I-e		✓	C	I-g		✓	C	I-h		✓	C	I-i	
276	IMP - Part VII.B	IMP7	Archaeological/Paleontological Report Submission	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	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	
278	Archaeological – 5.02		Onsite Archaeologist	ongoing	/	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-a		✓	C	I-b		✓	C	I-c		✓	C	I-d		✓	C	I-e		✓	C	I-g		✓	C	I-h		✓	C	I-i	
280	Archaeological – 5.04		Archaeological/Paleontological Identification Instruction	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	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	
282																																				
283	Paleontologist																																			
284																																				
285																																				
286	Ecological Significance - 62	62	Archaeological/Paleontological -Material Identification/Conservation	ongoing	✓	C	I-a		✓	C	I-b		✓	C	I-c		✓	C	I-d		✓	C	I-e		✓	C	I-g		✓	C	I-h		✓	C	I-i	
287	IMP - Part VII.B	IMP7	Archaeological/Paleontological-Report Submission	ongoing																																

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Appendix I

Further Review Needed Comments: Reference I-f through I-i Second Quarter 2016 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	<p>I-f: Cells CC-3A and CC-3B were being used for disposal, and ADC was used in both cells. Edison pads were being graded and pole foundations were being prepared for pouring concrete. There was soil sloughing into Basin A from pad grading. Erosion caused by recent rain events was being repaired.</p> <p>I-g: Construction for the new Edison poles was ongoing. Cell CC-3A and Cell CC-3B were both operational and ADC was being used.</p> <p>I-h: Cells CC-3A and CC-3B were being used for disposal, and ADC was being used at both locations. Installation of Edison poles was in progress. Wire was being installed on the poles.</p> <p>I-i: Grading for Edison pole installation was completed and the last poles were installed. Wire was not installed on all of the poles. Drainage control concrete ditches and erosion control/hydroseeding was not completed. Cells CC-3A and CC-3B were being used for disposal, and ADC was being used at both locations.</p>
		Geology - 1.07	County DPW EPD/SCL-LEA	I-f, I-g, I-h, and I-i: See Q – B.2.c above.
		Geology - 1.12	County DPW EPD/SCL-LEA	I-f, I-g, I-h, and I-i: See Q – B.2.c above.
	Q - C.3.h		City Planning	<p>I-g: The rumble strip at the exit of Cell CC-3B was not placed in the correct location, and the main paved access road was getting mud tracked onto the pavement.</p> <p>I-i: The trucks leaving Cell CC-3B were using a temporary dirt road that was sloped and washboarded, and trucks were trying to cross bumps in a diagonal direction. Uncontrolled dust was a problem. Use of water was not appropriate because of the grade and type of soil. No road surface treatment was being used.</p>
		Air Quality - 6.03	County Planning/SCAQMD SCL-LEA	I-g and I-i: See Q - C.3.h above.
	Q - C.5		City Planning	<p>I-f: New graffiti was seen on the white block wall near the Gas Company's meter station.</p> <p>I-g: The graffiti seen in April that was on the white block wall near the Gas Company's meter station was removed.</p>
		Landfill Operations - 18.7	County Planning	I-f and I-g: See Q - C.5 above.
	Q - C.10.c		City Planning	<p>I-f: The gas-to-energy plant was operating at full production using 8065 SCFM, 46.3% methane. Flare 1 - not monitored; Flare 3 - shut down; Flare 9 - 2232 SCFM; Flare 10 - 2456 SCFM.</p> <p>I-g: The gas-to-energy plant was not operating due to Edison upgrading their fiber optic cable. Flare 1 - not monitored; Flare 3 - shut down; Flare 9 - 4076 SCFM; Flare 10 - 3975 SCFM.</p>
		Odor/Landfill Gas - 7.07	County Planning/SCAQMD SCL-LEA	I-f and I-g: See Q - C.10.c above.
		Gas - 52	County DPW EPD/SCL-LEA County Forester Fire Warden	I-f and I-g: See Q - C.10.c above.

Discipline	City Condition Reference # / Mitigation #	County Condition Reference # / Mitigation #	Responsible Agency	Further Review Needed – Comments
Project Manager	T-4		City Planning, City Fire Department	I-h: The emergency access road from Deck C was graded to allow passenger car use. Grading of this road for drainage along with placement of rock should be done before October rains. 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 has been completed. Emergency egress should be posted for employees and customers.
		Fire Service - 12.03	County DPW EPD/SCL-LEA County Forester Fire Warden	I-h: See T-4 above.
	M - 4.1.1 / 7		City Planning, DOGGR	I-g and I-h: The two old oil well steel casings in the area north of the new office site have been gradually lowered. The soil around them still has to be lowered by approximately 100 feet. Final lowering of the well casings and permanent abandonment will be done after final grades are reached.
		Re-abandonment Procedures	County Planning, County DPW EPD/SCL-LEA, DOGGR	I-g and I-h: See M - 4.1.1 / 7 above.
	M - 4.2.12 / 28		City Planning/SCAQMD	I-f, I-g, I-h, and I-i: Alternatives to hydroseeding on interim and inactive slopes and decks for slope stability and dust control were being used due to the drought. Jute netting and plastic netting were being used on slopes. No hydroseeding was done in the fall of 2015. Potable or rain water is needed to germinate seed. Landfill recycled water is too high in salts, and gray water is not available. The majority of the slope erosion control was being done by straw wattles, and they performed well in most areas. During the April rain events, the HDPE-lined down-comers and bench V-ditches east of Cell CC-3B had washed away. The terminal basin performed well and controlled sediment from leaving the site. Soil sealant was not being used during high wind periods to control dust on Deck A, nor the temporary direct access roads on the County top deck or exiting Cell CC-3B.
		Fugitive Dust - 45.F	County DPH/County LEA County DPW-EPD County Biologist	I-f, I-g, I-h, and I-i: See M - 4.2.12 / 28 above.
	M -4.2.13/ 29, 30, 32, 34		City Planning/SCL-LEA/SCAQMD	I-f through I-i: Compliance with these mitigation measures, concerning landfill gas monitoring and odor control and detection, is being monitored by a multi-agency team led by the SCAQMD. Only obvious gas emission sources, odorous operations related to gas and/or gas and landfill liquids, lack of cover, or exposed trash resulting in odor observed during the monitoring visit will be reported.
		Amendment 45.N-4.a, 4.c, 4.d	County DPW-EPD	I-f through I-i: See M -4.2.13/ 29, 30, 32, 34 above.
		Amendment 45.N-5	County DPW-EPD	I-f through I-i: See M -4.2.13/ 29, 30, 32, 34 above.

Discipline	City Condition Reference # / Mitigation #	County Condition Reference # / Mitigation #	Responsible Agency	Further Review Needed – Comments
Project Manager	M - 4.2.13 / 33		City Planning/SCAQMD	<p>I-f: The monitor drove the adjacent Rancho Cascades neighborhood and Granada Hills neighborhood from 6:40 to 7:15 a.m. No landfill odors were detected. The monitor drove to the greenwaste recycling facilities on Blucher Avenue and no offsite odors were detected. The monitor drove the Rancho Cascades and Granada Hills neighborhoods again at 8:45 to 9:15 a.m., and no landfill odors were detected.</p> <p>I-g: The monitor drove to the adjacent Rancho Cascades and Granada Hills neighborhoods from 6:15 to 7:00 a.m. No landfill odors were detected. The monitor drove to the greenwaste recycling facilities on Blucher Avenue. There was a strong greenwaste odor detected on Blucher Avenue coming from the C&D facility. At 12000 Blucher (at the road's end) there was a strong fish odor coming from the Perez Disposal facility. The monitor drove the adjacent Granada Hills and Rancho Cascades neighborhoods at 9:00 a.m. and did not detect any landfill odors at the school nor in the residential communities. There were localized liquid and gas odors detected on the side slope in Cell CC-3A near C6W 676R and 716R.</p> <p>I-h: The monitor drove to the adjacent neighborhood, Van Gogh School, and Rancho Cascades area at 6:45 to 7:20 a.m. and from 10:45 to 11:15 a.m. No landfill odors were detected. Greenwaste odors were detected on Blucher Avenue near the C&D Recycling facility. The haul road to Cell CC-3A had a strong localized liquid and/or gas odor detected below the southwest-facing slope of the cell.</p> <p>I-i: The monitor drove to the adjacent neighborhood and Van Gogh School at 6:15 to 7:00 a.m. and at 8:45 to 9:30 a.m. No landfill odors were detected. The monitor drove to the greenwaste recycling facilities on Blucher Avenue, and faint greenwaste odors were detected between the North Hills and C&D Recycling facilities. At the end of Blucher Avenue, there was a faint odor of trash at the Perez Disposal Facility. The monitor drove Foothill Boulevard on the east side of the I-5. There was a strong unidentifiable odor near the LADWP work site gate at 17011 Foothill Boulevard. There were localized liquid odors detected along the edge of the haul road to Cell CC-3A at the bottom of the southwest-facing slope. The City HDPE-lined basin had stagnant water that was not yet pumped. Localized odors were also detected coming from the basin.</p>
		Odor/Landfill Gas - 7.06	County DPW-EPD/SCL-LEA/SCAQMD	I-f through I-i: See M-4.2.13/33 above.
		Amendment 45.N - 4.a, 4.c, 4.d	County DPW-EPD	I-f through I-i: See M-4.2.13/29, 30, 32, 33, and 34 above.
		Amendment 45.N - 5	County DPW-EPD	I-f through I-i: See M-4.2.13/29, 30, 32, 33, and 34 above.
		Surface Water - 2.15	County DPW EPD/ LARWQCB, SCL- LEA	I-f through I-i: A preventative maintenance program with inspection of facility equipment, systems, and stormwater management devices to detect conditions that may cause breakdowns or failures resulting in discharge of materials into stormwater should be performed on a monthly basis, with a summary report issued on a quarterly basis.
	M - 4.4.2/69		City Planning	I-f: The City Attorney, City DWP, and City Recreation and Parks will schedule a meeting in July with the Corps of Engineers and Republic to work on finalizing an agreement to use the Chatsworth Reservoir as a wetland mitigation site.
		Biota - 4.4.3	CDFW	I-f: See M - 4.4.2 / 69 above.

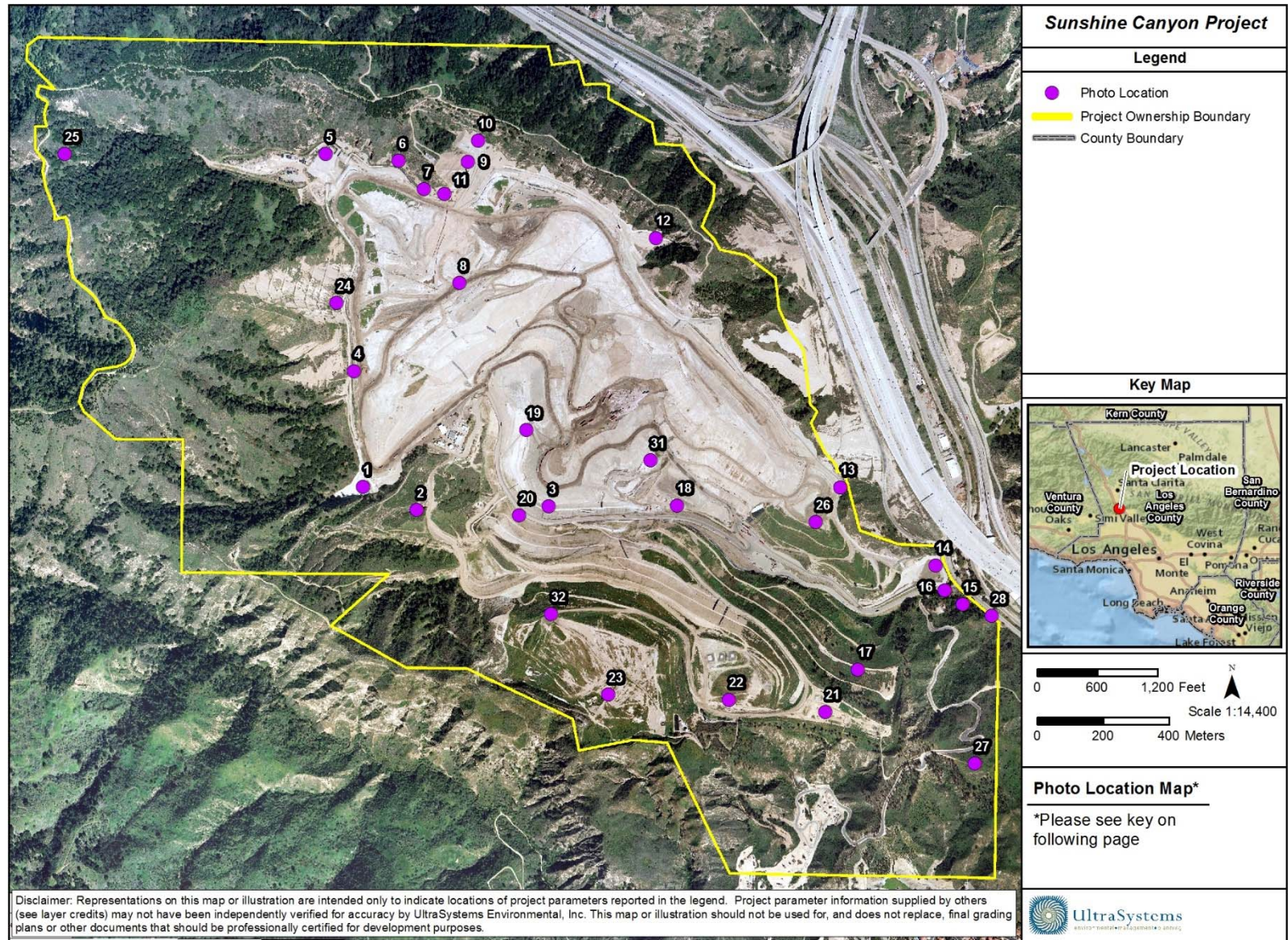
Discipline	City Condition Reference # / Mitigation #	County Condition Reference # / Mitigation #	Responsible Agency	Further Review Needed – Comments
Project Manager	M - 4.9.3 / 110		City Planning/City LEA	<p>I-f: Sierra Highway near the I-14 overpass had minor cardboard debris in the roadway. The overpass columns were graffitied. This area is monitored and cleaned by Republic.</p> <p>The following illegal dumping was observed outside of Republic's clean-up area:</p> <p>At San Fernando Road near the I-5 overpass, there was more dumping of trash and old TV's. Some of the rock and rubble near the edge of the roadway observed in March had been removed. The graffiti on the overpass columns was removed. UEI reported this illegal dumping to 311.</p> <p>At the end of Nicholas Avenue in the Rancho Cascades neighborhood, there is a large vacant parcel with illegal dumping taking place on it. There are many tons of waste dumped at this location.</p> <p>I-g: The monitor drove Sierra Highway near the I-14 and observed that it was clean and free of litter and graffiti. At the end of Nicholas Avenue in the Rancho Cascades neighborhood, the illegal dumping of rock and rubble and large item waste had increased on this private, half-acre site. The monitor drove to San Fernando Road near the I-5 overpass and there was more illegal dumping of waste and construction debris.</p> <p>I-h: The monitor drove Sierra Highway near the I-14 overpass and it was free of litter and trash. All other areas patrolled by Republic were clean.</p> <p>More illegal dumping has occurred on San Fernando Road near the I-5 overpass. This is outside of Republic's clean-up area.</p> <p>I-i: The monitor drove Sierra Highway near the I-14 overpass and it was free of trash and windblown litter. The overpass columns had the graffiti painted over.</p> <p>Drove to San Fernando Road near the I-5 overpass. There was more dumping of trash and construction debris on the shoulder and adjacent to the roadway. Also drove to the Rancho Cascades neighborhood and at the end of Nicholas Avenue, there is a large vacant parcel will illegal dumping taking place on it. The amount of dumped construction debris has increased since the last site visit.</p>
Civil and Geotechnical Engineer	M - 4.1.1 / 2		City Building and Safety City Planning	I-f through I-i: See M - 4.1.1 / 5 below.
	M - 4.1.1 / 4		City Planning/LARWQCB Cal Recycle	I-f through I-i: See M - 4.1.1 / 5 below.
	M - 4.1.1 / 5		City Planning/ LARWQCB Cal Recycle	I-f through I-i: Grading was done outside of the cut and fill conceptual plans for the relocation of the Edison power poles around the outside footprint of the landfill. Plans were approved by the County Department of Public Works and other agencies prior to the start of grading. The only other grading being done was in the old office site area for the future development of Cell CC-4A.
		Geology - 1.07	County DPW EPD/ County LEA	I-f through I-i: See M - 4.1.1 / 5 above.
	M - 4.1.5 / 12		City Planning/LARWQCB Cal Recycle	I-f through I-i: See M - 4.1.1 / 5 above.
	M - 4.14.1 / 155		City Planning/Cal Recycle PW-BOE LADBS City LEA	I-f through I-i: Access roads are being maintained around the working area for emergency access.
	M - 4.18 / 178		City Planning/City LEA	I-f through I-i: A map showing areas that are at the final elevations and which should have final cover should be available for review. Documents showing current filled elevations should also be available onsite for review. These conditions were not monitored.

Discipline	City Condition Reference # / Mitigation #	County Condition Reference # / Mitigation #	Responsible Agency	Further Review Needed – Comments
Hydrologist	M - 4.3.1/ 37, 38		City Planning/ LARWQCB CalRecycle SCL-LEA PW-BOE	<p>I-f: The eastside channel that had soil eroded away from the top sidewall was repaired. The rains caused noticeable erosion downstream of Cell CC-3B, on slopes below the main access road and on the County Sage mitigation slopes. Repairs were in progress. The slopes above the access road with jute netting performed well with no visible erosion, and the hydroseeding was germinating and greening on the hillsides. The terminal basin controlled sediment from leaving the site.</p> <p>I-g: The access road side slopes from the concrete box drainage structure to the entrance had erosion. The access road box drainage discharge had the HDPE temporary drainage channel removed for Cell CC-3B construction, and the last rain event caused side slope erosion and deep ruts.</p> <p>I-h: Concrete slope V-ditches were installed near the new Edison pole pads and access roads. No slope erosion control was installed. The Basin D outlet channel had a portion of the channel with HDPE liner installed on top of the new concrete for Edison pole access. The leading edges were not protected from having water getting in back of it and tearing the liner.</p>
		Surface Water - 2.12	County DPW EPD/ LARWQCB SCL-LEA	I-f through I-h: See M - 4.3.1/ 37, 38 above.
	M - 4.3.1 / 39		City Planning/LARWQCB Cal Recycle	I-f through I-h: See M - 4.3.1/ 37, 38 above.
	M - 4.3.1 / 40		City Planning/ LARWQCB CalRecycle SCL-LEA PW-BOE LADBS	I-f through I-h: See M - 4.3.1/ 37, 38 above.
	M - 4.3.1 / 43		City Planning/ LARWQCB CalRecycle SCL-LEA PW-BOE	I-f through I-i: There is a significant amount of sediment, construction rock and dirt in Basin A, and sediment in the terminal basin. Sediment is drying and the basins are scheduled to be cleaned and ready for fall rains by September.
		Surface Water - 2.10	LARWQCB / County DPW EPD	I-f through I-i: See M - 4.3.1 / 43 above.
		Surface Water - 2.14	LARWQCB / County DPW EPD	I-f through I-i: 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-f through I-i: See M - 4.3.1 / 37, 38 and Surface Water - 2.14 above.
	M - 4.3.1/ 46		City Planning/ LARWQCB CalRecycle PW-BOE	I-f through I-i: See 2.15 above.

Discipline	City Condition Reference # / Mitigation #	County Condition Reference # / Mitigation #	Responsible Agency	Further Review Needed – Comments
Biologist	M - 4.1.1 / 6		City Planning/ LARWQCB CalRecycle SCL-LEA LADBS	I-f through I-i: See M - 4.2.12 / 28 above.
		Geology - 1.14	LARWQCB/ County Forester	I-f through I-i: See M - 4.2.12 / 28 above.
	M - 4.2.11 / 23		City Planning	I-f through I-i: See M - 4.2.12 / 28 above.
		Geology - 1.13	County DPW EPD/ County Forester LARWQCB	I-f through I-i: See M - 4.2.12 / 28 above.
	M - 4.2.12		SCL-LEA/ City Planning	I-f through I-i: See M - 4.2.12 / 28 above.
		Revegetation - 44.A	SCL-LEA/ County DPW EPD Regional Planning County Biologist	I-f through I-i: See M - 4.2.12 / 28 above.
		Revegetation - 44.F	SCL-LEA/ County DPW EPD Regional Planning County Biologist	I-f through I-i: See M - 4.2.12 / 28 above.
		Biota - 4.42	SCL-LEA	I-f through I-i: See M - 4.2.12 / 28 above.
		Air Quality - 6.02	SCAQMD/ SCL-LEA	I-f through I-i: See M - 4.2.12 / 28 above.
		Visual - 10.08	County Forester	I-f through I-i: See M - 4.2.12 / 28 above.
	M - 4.4.1 / 60		City Planning	I-h: The City Deck C sage mitigation area was doing well and was being maintained. Deck A and B native sage was doing well. No removal of mustard plant and other non-natives had occurred. The County sage mitigation area had deep rutted erosion on the slopes and adjacent to the permanent concrete V-ditches. There was no activity in this area. I-i: The City Deck C sage mitigation area was doing well and going through the summer die-out cycle.
		Biota - 4.27	County LEA/CDFW	I-h and I-i: See M - 4.4.1 / 60 above.
	M - 4.9.4 / 121		City Planning/Cal Recycle Cal OSHA LAFD City LEA	I-h: See T-4 above.
Paleontologist	M-4.19.2/191		City Planning	I-f through I-i: A paleontological consultant was on site monitoring the excavation west and south of the old offices site in the City and County jurisdictions, near Basin A and at the old office site. Paleontological reports are on file and are available in Republic's office.
		Ecological Significance 62	County Planning	I-f through I-i: See M-4.19.2/191 above.

Appendix II

Relevant Site Photos



Path: J:\Projects\5800_Sunshine_Canyon\MXD\PhotoLocations\5800_Sunshine_Canyon_PhotoLocations_Quarterly_Report_#1_2016.mxd
 Service Layer Credits: Content may not reflect National Geographic's current map policy. Sources: National Geographic, Esri, DeLorme, HERE, UNEP-WCMC, USGS, NASA, ESA, METI, NRCAN, GEBCO, NOAA, increment P Corp., CAL FIRE, 2007, Republic, 2013, UltraSystems Environmental, Inc., 2016

April 27, 2016

Photo Location Map Key

Map Location	Title	Photo Number
1.	Basin A Area	1-36, 50-56
2.	Site Grading South of Basin A	37-49
3.	City Lined Drainage Lift Area	57-64
4.	Westside Drainage Channel	65-73
5.	Basin D Area	79-80
6.	Basin D Outlet Channel	81-84
7.	Edison Power Pole Construction Sites	85-100
8.	County Top Deck	-
9.	Flares 8-10	-
10.	Gas-to-Energy Facility	-
11.	Flares 8-10 Adjacent Hillsides	-
12.	Basin B Area	101-103
13.	Eastside Drainage Channel	-
14.	Terminal Basin	104-141
15.	Sewer and Gray Water Area	164-173
16.	Leachate Treatment Facility	-
17.	Realigned Access Road	145-162
18.	Cell CC3B Area	142-144
19.	Cell CC3A Area	249-261
20.	Truck Scale and Office Facilities Area	406
21.	City Sage Mitigation – Deck C	175-179
22.	City Sage Mitigation – Deck B	-
23.	City Sage Mitigation – Deck A	180-188
24.	County Sage Mitigation Area	74-78
25.	Big Cone Fir Mitigation	-
26.	Old City North	163
27.	Oak Tree Mitigation in Buffer Area	-
28.	San Fernando Road Frontage	189-226
29.	Offsite Illegal Dumping	227-248
30.	Offsite Greenwaste Odor Sources	262-263
31.	Site Working Area	264-272
32.	General Site Area	174, 365-412



Photo 1: Basin A: April 19, 2016



Photo 2: Basin A: April 19, 2016



Photo 3: Basin A: April 19, 2016



Photo 4: Basin A: April 19, 2016



Photo 5: Basin A: April 19, 2016



Photo 6: Basin A: April 19, 2016



Photo 7: Basin A: April 19, 2016



Photo 8: Basin A: April 19, 2016



Photo 9: Basin A: April 19, 2016



Photo 10: Basin A Outlet: April 19, 2016



Photo 11: Basin A Outlet: April 19, 2016



Photo 12: Basin A Native Hillside: April 19, 2016



Photo 13: Basin A Native Hillside: April 19, 2016



Photo 14: Basin A Native Hillside: April 19, 2016



Photo 15: Basin A: May 10, 2016



Photo 16: Basin A: May 10, 2016



Photo 17: Basin A: May 10, 2016



Photo 18: Basin A: May 10, 2016



Photo 19: Basin A: May 10, 2016



Photo 20: Basin A: May 10, 2016



Photo 21: Basin A: May 10, 2016



Photo 22: Basin A: May 25, 2016



Photo 23: Basin A: May 25, 2016



Photo 24: Basin A: May 25, 2016



Photo 25: Basin A: May 25, 2016



Photo 26: Basin A: May 25, 2016



Photo 27: Basin A: May 25, 2016



Photo 28: Basin A: June 8, 2016



Photo 29: Basin A: June 8, 2016



Photo 30: Basin A: June 8, 2016



Photo 31: Basin A: June 8, 2016



Photo 32: Basin A: June 8, 2016



Photo 33: Basin A Outlet: June 8, 2016



Photo 34: Basin A Outlet: June 8, 2016



Photo 35: Basin A Outlet: June 8, 2016



Photo 36: Basin A Outlet: June 8, 2016



Photo 37: Site Grading South of Basin A: April 19, 2016



Photo 38: Site Grading South of Basin A: April 19, 2016



Photo 39: Site Grading South of Basin A: April 19, 2016



Photo 40: Site Grading South of Basin A: April 19, 2016



Photo 41: Site Grading South of Basin A: April 19, 2016



Photo 42: Site Grading South of Basin A: April 19, 2016



Photo 43: Site Grading South of Basin A: April 19, 2016



Photo 44: Site Grading South of Basin A: April 19, 2016



Photo 45: Site Grading South of Basin A: April 19, 2016



Photo 46: Site Grading South of Basin A: April 19, 2016



Photo 47: Site Grading South of Basin A: June 8, 2016



Photo 48: Site Grading South of Basin A: June 8, 2016



Photo 49: Site Grading South of Basin A: June 8, 2016



Photo 50: Grading Stake Basin A Southern Hillside: April 19, 2016



Photo 51: Grading Stake Basin A Southern Hillside: April 19, 2016



Photo 52: Oil Well Casings to be Abandoned: April 19, 2016



Photo 53: Oil Well Casings to be Abandoned: May 25, 2016



Photo 54: D-6 Leaking Oil Near Basin A: April 19, 2016



Photo 55: D-6 Leaking Oil Near Basin A: May 25, 2016



Photo 56: D-6 Leaking Oil Near Basin A: May 25, 2016



Photo 57: City Lined Drainage Lift Area: April 19, 2016



Photo 58: City Lined Drainage Lift Area: April 19, 2016



Photo 59: City Lined Drainage Lift Area: April 19, 2016



Photo 60: City Lined Drainage Lift Area: April 19, 2016



Photo 61: City Lined Drainage Lift Area: April 19, 2016



Photo 62: City Lined Drainage Lift Area: May 25, 2016



Photo 63: City Lined Drainage Lift Area: May 25, 2016



Photo 64: City Lined Drainage Lift Area: May 25, 2016



Photo 65: Westside Drainage Channel: May 10, 2016



Photo 66: Westside Drainage Channel: May 10, 2016



Photo 67: Westside Drainage Channel: May 10, 2016



Photo 68: Westside Drainage Channel: May 10, 2016



Photo 69: Westside Drainage Channel: May 10, 2016



Photo 70: Westside Drainage Channel: May 25, 2016



Photo 71: Westside Drainage Channel: May 25, 2016



Photo 72: Westside Drainage Channel: May 25, 2016



Photo 73: Westside Drainage Channel: May 25, 2016



Photo 74: County Western Native Slopes: May 25, 2016



Photo 75: County Western Native Slopes: May 25, 2016



Photo 76: County Western Native Slopes: May 25, 2016



Photo 77: County Western Native Slopes: May 25, 2016



Photo 78: County Western Native Slopes: May 25, 2016



Photo 79: Basin D: April 19, 2016



Photo 80: Basin D: April 19, 2016



Photo 81: Basin D Outlet Channel: April 19, 2016



Photo 82: Basin D Outlet Channel: April 19, 2016



Photo 83: Basin D Outlet Channel: May 25, 2016



Photo 84: Basin D Outlet Channel: May 25, 2016



Photo 85: New Edison Poles Grading: April 19, 2016



Photo 86: New Edison Poles Grading: April 19, 2016



Photo 87: New Edison Poles Grading: April 19, 2016



Photo 88: New Edison Poles Grading: April 19, 2016



Photo 89: New Edison Poles Forming: April 19, 2016

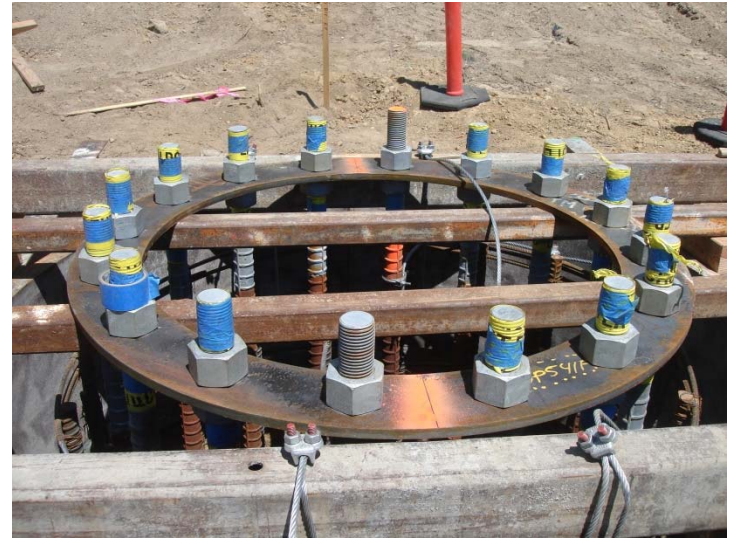


Photo 90: New Edison Poles Forming: April 19, 2016



Photo 91: New Edison Poles Forming: April 19, 2016



Photo 92: New Edison Poles Forming: April 19, 2016



Photo 93: New Edison Poles: May 25, 2016



Photo 94: New Edison Poles: May 25, 2016



Photo 95: New Edison Poles: May 25, 2016



Photo 96: New Edison Poles: May 25, 2016



Photo 97: New Edison Poles: May 25, 2016



Photo 98: New Edison Poles: May 25, 2016



Photo 99: New Edison Poles: June 8, 2016



Photo 100: New Edison Poles: June 8, 2016



Photo 101: Basin B: April 19, 2016



Photo 102: Basin B: April 19, 2016



Photo 103: Basin B: April 19, 2016



Photo 104: Terminal Basin: April 19, 2016



Photo 105: Terminal Basin: April 19, 2016



Photo 106: Terminal Basin: April 19, 2016



Photo 107: Terminal Basin: April 19, 2016



Photo 108: Terminal Basin: April 19, 2016



Photo 109: Terminal Basin: April 19, 2016



Photo 110: Terminal Basin: April 19, 2016



Photo 111: Terminal Basin: April 19, 2016



Photo 112: Terminal Basin: May 10, 2016



Photo 113: Terminal Basin: May 10, 2016



Photo 114: Terminal Basin: May 10, 2016



Photo 115: Terminal Basin: May 10, 2016



Photo 116: Terminal Basin: May 10, 2016



Photo 117: Terminal Basin: May 10, 2016



Photo 118: Terminal Basin: May 10, 2016



Photo 119: Terminal Basin: May 10, 2016



Photo 120: Terminal Basin: May 10, 2016



Photo 121: Terminal Basin: May 10, 2016



Photo 122: Terminal Basin: May 10, 2016



Photo 123: Terminal Basin: May 10, 2016



Photo 124: Terminal Basin: May 10, 2016



Photo 125: Terminal Basin: May 10, 2016



Photo 126: Terminal Basin: May 10, 2016



Photo 127: Terminal Basin: May 25, 2016



Photo 128: Terminal Basin: May 25, 2016



Photo 129: Terminal Basin: May 25, 2016



Photo 130: Terminal Basin: May 25, 2016



Photo 131: Terminal Basin: May 25, 2016



Photo 132: Terminal Basin: May 25, 2016



Photo 133: Terminal Basin: May 25, 2016



Photo 134: Terminal Basin: May 25, 2016



Photo 135: Terminal Basin: May 25, 2016



Photo 136: Terminal Basin: May 25, 2016



Photo 137: Terminal Basin: May 25, 2016



Photo 138: Terminal Basin: May 25, 2016



Photo 139: Terminal Basin: May 25, 2016



Photo 140: Terminal Basin: May 25, 2016



Photo 141: Terminal Basin: May 25, 2016



Photo 142: City Cell CC3B Toe Berm: May 10, 2016



Photo 143: City Cell CC3B Toe Berm: May 10, 2016



Photo 144: City Cell CC3B Toe Berm: May 10, 2016



Photo 145: Main Access Road: April 19, 2016



Photo 146: Main Access Road: April 19, 2016



Photo 147: Main Access Road: April 19, 2016



Photo 148: Main Access Road: April 19, 2016



Photo 149: Main Access Road: May 10, 2016



Photo 150: Main Access Road: May 10, 2016



Photo 151: Main Access Road Slopes: May 10, 2016



Photo 152: Main Access Road Slopes: May 10, 2016



Photo 153: Main Access Road Slopes: May 10, 2016



Photo 154: Main Access Road Slopes: May 10, 2016



Photo 155: Main Access Road Slopes: May 10, 2016



Photo 156: Main Access Road Slopes: May 10, 2016



Photo 157: Main Access Road Slopes: May 10, 2016



Photo 158: Main Access Road Slopes: May 10, 2016



Photo 159: Main Access Road Slopes: May 10, 2016



Photo 160: Main Access Road Slopes: May 10, 2016



Photo 161: Main Access Road Box Drainage: May 10, 2016



Photo 162: Main Access Road Box Drainage: May 10, 2016



Photo 163: Old City North Top Deck Vacuum Gas Pipeline Leak Repair: May 10, 2016



Photo 164: Potable Water Leak – Booster Pump Seal and Valve: April 19, 2016



**Photo 165: Potable Water Leak – Booster Pump Seal and Valve:
April 19, 2016**



**Photo 166: Potable Water Leak – Booster Pump Seal and Valve:
April 19, 2016**



Photo 167: Portable Water Leak Ponding: April 19, 2016



Photo 168: Portable Water Leak Ponding: April 19, 2016



Photo 169: Potable Water Booster Pump Seal Leak: May 10, 2016



Photo 170: Potable Water Booster Pump Seal Leak: May 10, 2016



Photo 171: Potable Water Booster Pump Seal Leak: May 10, 2016



Photo 172: Potable Water Leak Ponding - Booster Pump Seal Leak: May 10, 2016



Photo 173: Potable Water Booster Pump Seal Leak: May 25, 2016



Photo 174: Oil Field South Locked: April 19, 2016



Photo 175: City Sage Mitigation Deck C: May 25, 2016



Photo 176: City Sage Mitigation Deck C: May 25, 2016



Photo 177: City Sage Mitigation Deck C: June 8, 2016



Photo 178: City Sage Mitigation Deck C: June 8, 2016



Photo 179: City Sage Mitigation Deck C: June 8, 2016



Photo 180: City Deck C Alternative Access Road : May 25, 2016



Photo 181: City Deck A: May 25, 2016



Photo 182: City Deck A: May 25, 2016



Photo 183: City Deck A: May 25, 2016



Photo 184: City Deck A: May 25, 2016



Photo 185: City Deck A: May 25, 2016



Photo 186: City Deck A: May 25, 2016



Photo 187: City Deck A: May 25, 2016



Photo 188: City Deck A Water Tank: June 8, 2016



**Photo 189: Frontage Wall on San Fernando Road Graffiti:
April 19, 2016**



**Photo 190: Frontage Wall on San Fernando Road Graffiti:
April 19, 2016**



**Photo 191: Frontage Retaining Wall on San Fernando Road:
April 19, 2016**



**Photo 192: Frontage Retaining Wall on San Fernando Road:
May 25, 2016**



**Photo 193: Frontage Retaining Wall on San Fernando Road:
May 25, 2016**



**Photo 194: Frontage Retaining Wall on San Fernando Road:
May 25, 2016**



**Photo 195: Frontage Retaining Wall on San Fernando Road:
May 25, 2016**



**Photo 196: Frontage Retaining Wall on San Fernando Road:
May 25, 2016**



**Photo 197: Frontage Retaining Wall on San Fernando Road:
May 25, 2016**



**Photo 198: Frontage Retaining Wall on San Fernando Road:
May 25, 2016**



**Photo 199: Frontage Retaining Wall on San Fernando Road:
May 25, 2016**



Photo 200: San Fernando Road near I-5 Overpass: April 19, 2016



Photo 201: San Fernando Road near I-5 Overpass: April 19, 2016



Photo 202: San Fernando Road near I-5 Overpass: April 19, 2016



**Photo 203: Basin B: San Fernando Road near I-5 Overpass:
April 19, 2016**



Photo 204: San Fernando Road near I-5 Overpass: May 10, 2016



Photo 205: San Fernando Road near I-5 Overpass: May 10, 2016



Photo 206: San Fernando Road near I-5 Overpass: May 10, 2016



Photo 207: San Fernando Road near I-5 Overpass: May 10, 2016



Photo 208: San Fernando Road near I-5 Overpass: May 10, 2016



Photo 209: San Fernando Road near I-5 Overpass: May 25, 2016



Photo 210: San Fernando Road near I-5 Overpass: May 25, 2016



Photo 211: San Fernando Road near I-5 Overpass: May 25, 2016



Photo 212: San Fernando Road near I-5 Overpass: May 25, 2016



Photo 213: San Fernando Road near I-5 Overpass: June 8, 2016



Photo 214: San Fernando Road near I-5 Overpass: June 8, 2016



Photo 215: San Fernando Road near I-5 Overpass: June 8, 2016



Photo 216: San Fernando Road near I-5 Overpass: June 8, 2016



Photo 217: San Fernando Road near I-5 Overpass: June 8, 2016



Photo 218: San Fernando Road near I-5 Overpass: June 8, 2016



Photo 219: San Fernando Road near I-5 Overpass: June 8, 2016



**Photo 220 San Fernando Road near Calgrove Illegal Dumping:
June 8, 2016**



**Photo 221: San Fernando Road near Calgrove Illegal Dumping:
June 8, 2016**



**Photo 222: San Fernando Road near Calgrove Illegal Dumping:
June 8, 2016**



**Photo 223: San Fernando Road near Calgrove Illegal Dumping:
June 8, 2016**



**Photo 224: San Fernando Road near Calgrove Illegal Dumping:
June 8, 2016**



**Photo 225: San Fernando Road near Calgrove Illegal Dumping:
June 8, 2016**



**Photo 226: San Fernando Road near LADWP Facilities
Indeterminate Odors: June 8, 2016**



Photo 227: Sierra Highway I-14 Overpass: April 19, 2016



Photo 228: Sierra Highway I-14 Overpass: April 19, 2016



Photo 229: Sierra Highway I-14 Overpass: June 8, 2016



Photo 230: Sierra Highway I-14 Overpass: June 8, 2016



Photo 231: Sierra Highway I-14 Overpass: June 8, 2016



Photo 232: Rancho Cascades Illegal Dumping: April 19, 2016



Photo 233: Rancho Cascades Illegal Dumping: April 19, 2016



Photo 234: Rancho Cascades Illegal Dumping: April 19, 2016



Photo 235: Rancho Cascades Illegal Dumping: April 19, 2016



Photo 236: Rancho Cascades Illegal Dumping: April 19, 2016



Photo 237: Rancho Cascades Illegal Dumping: April 19, 2016



Photo 238: Rancho Cascades Illegal Dumping: May 10, 2016



Photo 239: Rancho Cascades Illegal Dumping: May 10, 2016



Photo 240: Rancho Cascades Illegal Dumping: May 10, 2016



Photo 241: Rancho Cascades Illegal Dumping: May 10, 2016



Photo 242: Rancho Cascades Illegal Dumping: May 10, 2016



Photo 243: Rancho Cascades Illegal Dumping: June 8, 2016



Photo 244: Rancho Cascades Illegal Dumping: June 8, 2016



Photo 245: Rancho Cascades Illegal Dumping: June 8, 2016



Photo 246: Rancho Cascades Illegal Dumping: June 8, 2016



Photo 247: Rancho Cascades Illegal Dumping: June 8, 2016



Photo 248: Rancho Cascades Illegal Dumping: June 8, 2016



**Photo 249: Haul Road-Slope CC3A Liquids Odor Area:
May 10, 2016**



**Photo 250: Haul Road-Slope CC3A Liquids Odor Area:
May 10, 2016**



**Photo 251: Haul Road-Slope CC3A Liquids Odor Area:
May 10, 2016**



**Photo 252: Haul Road-Slope CC3A Liquids Odor Area:
May 10, 2016**



**Photo 253: Haul Road-Slope CC3A Liquids Odor Area:
May 10, 2016**



**Photo 254: Haul Road-Slope CC3A Liquids Odor Area:
May 10, 2016**



**Photo 255: Haul Road-Slope CC3A Liquids Odor Area:
May 10, 2016**



**Photo 256: Haul Road-Slope CC3A Liquids Odor Area:
May 10, 2016**



**Photo 257: Haul Road-Slope CC3A Liquids Odor Area:
May 10, 2016**



**Photo 258: Haul Road-Slope CC3A Liquids Odor Area:
May 25, 2016**



**Photo 259: Haul Road-Slope CC3A Liquids Odor Area:
May 25, 2016**



**Photo 260: Haul Road-Slope CC3A Liquids Odor Area:
May 25, 2016**



**Photo 261: Haul Road-Slope CC3A Liquids Odor Area:
May 25, 2016**



Photo 262: Facilities on Blucher Avenue: June 8, 2016



Photo 263: Facilities on Blucher Avenue: June 8, 2016



Photo 264: Site Working Area CC3B - 1100 am: April 19, 2016



Photo 265: Site Working Area CC3B - 1100 am: April 19, 2016



Photo 266: Site Working Area CC3B - 1100 am: April 19, 2016



Photo 267: Site Working Area CC3B - 1100 am: April 19, 2016



Photo 268: Site Working Area CC3B - 1100 am: April 19, 2016



Photo 269: Site Working Area CC3B – 1100 am: April 19, 2016



Photo 270: Site Working Area CC3B – 1100 am: April 19, 2016



Photo 271: Site Working Area CC3B – 1100 am: April 19, 2016



Photo 272: Site Working Area CC3B – 1100 am: April 19, 2016



Photo 273: Site Working Area CC3A - 1130 am: April 19, 2016



Photo 274: Site Working Area CC3A - 1130 am: April 19, 2016



Photo 275: Site Working Area CC3A - 1130 am: April 19, 2016



Photo 276: Site Working Area CC3A - 1130 am: April 19, 2016



Photo 277: Site Working Area CC3A - 1130 am: April 19, 2016



Photo 278: Site Working Area CC3A - 1130 am: April 19, 2016



Photo 279: Site Working Area CC3A - 1130 am: April 19, 2016



Photo 280: Site Working Area CC3A - 1130 am: April 19, 2016



Photo 281: Site Working Area CC3A – 1130 am: April 19, 2016



Photo 282: Site Working Area CC3A – 1130 am: April 19, 2016



Photo 283: Site Working Area – 800 am: May 10, 2016



Photo 284: Site Working Area – 800 am: May 10, 2016



Photo 285: Site Working Area – 800 am: May 10, 2016



Photo 286: Site Working Area – 800 am: May 10, 2016



Photo 287: Site Working Area – 800 am: May 10, 2016



Photo 288: Site Working Area CC3B – 1200 pm: May 10, 2016



Photo 289: Site Working Area CC3B - 1200 pm: May 10, 2016



Photo 290: Site Working Area CC3B - 1200 pm: May 10, 2016



Photo 291: Site Working Area CC3B - 1200 pm: May 10, 2016



Photo 292: Site Working Area CC3B - 1200 pm: May 10, 2016



Photo 293: Site Working Area CC3B – 1200 pm: May 10, 2016



Photo 294: Site Working Area CC3B – 1200 pm: May 10, 2016



Photo 295: Site Working Area CC3B – 1200 pm: May 10, 2016



Photo 296: Site Working Area CC3B – 1200 pm: May 10, 2016



Photo 297: Site Working Area CC3B – 1200 pm: May 10, 2016



Photo 298: Site Working Area CC3B – 1200 pm: May 10, 2016



Photo 299: Site Working Area CC3A – 1230 pm: May 10, 2016



Photo 300: Site Working Area CC3A – 1230 pm: May 10, 2016



Photo 301: Site Working Area CC3A – 1230 pm: May 10, 2016



Photo 302: Site Working Area CC3A – 1230 pm: May 10, 2016



Photo 303: Site Working Area CC3A – 1230 pm: May 10, 2016



Photo 304: Site Working Area CC3A – 1230 pm: May 10, 2016



Photo 305: Site Working Area CC3A - 1230 pm: May 10, 2016



Photo 306: Site Working Area CC3A - 1230 pm: May 10, 2016



Photo 307: Site Working Area CC3A - 1230 pm: May 10, 2016



Photo 308: Site Working Area CC3A - 1230 pm: May 10, 2016



Photo 309: Site Working Area - 730 am: May 25, 2016



Photo 310: Site Working Area - 730 am: May 25, 2016



Photo 311: Site Working Area - 730 am: May 25, 2016



Photo 312: Site Working Area - 730 am: May 25, 2016



Photo 313: Site Working Area CC3B – 800 am: May 25, 2016



Photo 314: Site Working Area CC3B – 800 am: May 25, 2016



Photo 315: Site Working Area CC3B – 800 am: May 25, 2016



Photo 316: Site Working Area CC3B – 800 am: May 25, 2016



Photo 317: Site Working Area CC3B – 800 am: May 25, 2016



Photo 318: Site Working Area CC3B – 800 am: May 25, 2016



Photo 319: Site Working Area CC3A – 800 am: May 25, 2016



Photo 320: Site Working Area CC3A – 800 am: May 25, 2016



Photo 321: Site Working Area CC3A - 800 am: May 25, 2016



Photo 322: Site Working Area CC3A - 830 am: May 25, 2016



Photo 323: Site Working Area CC3A - 830 am: May 25, 2016



Photo 324: Site Working Area CC3A - 830 am: May 25, 2016



Photo 325: Site Working Area CC3A - 830 am: May 25, 2016



Photo 326: Site Working Area CC3A - 830 am: May 25, 2016



Photo 327: Site Working Area CC3A - 830 am: May 25, 2016



Photo 328: Site Working Area CC3A - 830 am: May 25, 2016



Photo 329: Site Working Area CC3A - 830 am: May 25, 2016



Photo 330: Site Working Area CC3A - 830 am: May 25, 2016



Photo 331: Site Working Area CC3A - 830 am: May 25, 2016



Photo 332: Site Working Area CC3A - 830 am: May 25, 2016



Photo 333: Site Working Area CC3B - 900 am: May 25, 2016



Photo 334: Site Working Area CC3B - 900 am: May 25, 2016



Photo 335: Site Working Area CC3B - 900 am: May 25, 2016



Photo 336: Site Working Area CC3B - 900 am: May 25, 2016



Photo 337: Site Working Area CC3A – 1200 pm: May 25, 2016



Photo 338: Site Working Area CC3A – 1200 pm: May 25, 2016



Photo 339: Site Working Area CC3B – 1200 pm: May 25, 2016



Photo 340: Site Working Area CC3B – 1200 pm: May 25, 2016



Photo 341: Site Working Area CC3B – 1200 pm: May 25, 2016



Photo 342: Site Working Area CC3A – 1000 am: June 8, 2016



Photo 343: Site Working Area CC3A – 1000 am: June 8, 2016



Photo 344: Site Working Area CC3A – 1000 am: June 8, 2016



Photo 345: Site Working Area CC3A - 1000 am: June 8, 2016



Photo 346: Site Working Area CC3A - 1000 am: June 8, 2016



Photo 347: Site Working Area CC3A - 1000 am: June 8, 2016



Photo 348: Site Working Area CC3A - 1000 am: June 8, 2016



Photo 349: Site Working Area CC3A - 1000 am: June 8, 2016



Photo 350: Site Working Area CC3A - 1000 am: June 8, 2016



Photo 351: Site Working Area CC3A - 1000 am: June 8, 2016



Photo 352: Site Working Area CC3B - 1030 am: June 8, 2016



Photo 353: Site Working Area CC3B – 1030 am: June 8, 2016



Photo 354: Site Working Area CC3B – 1030 am: June 8, 2016



Photo 355: Site Working Area CC3B – 1030 am: June 8, 2016



Photo 356: Site Working Area CC3B – 1030 am: June 8, 2016



Photo 357: Site Working Area CC3B – 1030 am: June 8, 2016



Photo 358: Site Working Area CC3B – 1030 am: June 8, 2016



Photo 359: Site Working Areas – 1130 am: June 8, 2016

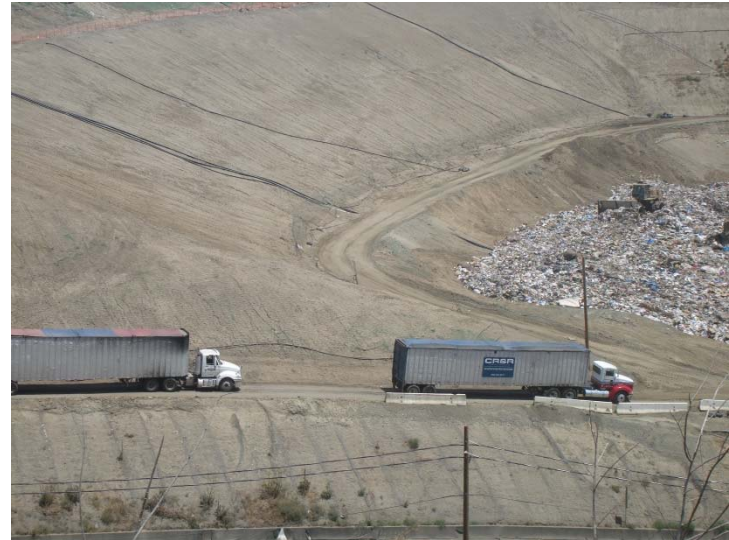


Photo 360: Site Working Area CC3B – 1200 pm: June 8, 2016



Photo 361: Site Working Area CC3B – 1200 pm: June 8, 2016



Photo 362: Site Working Area CC3B – 1200 pm: June 8, 2016



Photo 363: Site Working Area CC3B – 1200 pm: June 8, 2016



Photo 364: Site Working Area CC3B – 1200 pm: June 8, 2016



Photo 365: Site: April 19, 2016



Photo 366: Site: April 19, 2016



Photo 367: Site: April 19, 2016



Photo 368: Site: April 19, 2016



Photo 369: Site: April 19, 2016



Photo 370: Site: April 19, 2016



Photo 371: Site: April 19, 2016



Photo 372: Site: April 19, 2016



Photo 373: Site: April 19, 2016



Photo 374: Site: April 19, 2016



Photo 375: Site: April 19, 2016



Photo 376: Site: April 19, 2016



Photo 377: Site: April 19, 2016



Photo 378: Site: April 19, 2016



Photo 379: Site: May 10, 2016



Photo 380: Site: May 10, 2016



Photo 381: Site: May 10, 2016



Photo 382: Site: May 10, 2016



Photo 383: Site: May 10, 2016



Photo 384: Site: May 10, 2016



Photo 385: Site: May 10, 2016



Photo 386: Site: May 10, 2016



Photo 387: Site: June 8, 2016



Photo 388: Site: June 8, 2016



Photo 389: Site: June 8, 2016



Photo 390: Site: June 8, 2016



Photo 391: Site: June 8, 2016



Photo 392: Site: June 8, 2016



Photo 393: Site: June 8, 2016



Photo 394: Site: June 8, 2016



Photo 395: Site: June 8, 2016



Photo 396: Site: June 8, 2016



Photo 397: Site: June 8, 2016



Photo 398: Site: June 8, 2016



Photo 399: Site: June 8, 2016



Photo 400: Site: June 8, 2016



Photo 401: Site: June 8, 2016



Photo 402: Site: June 8, 2016



Photo 403: Site: June 8, 2016



Photo 404: Site: June 8, 2016



Photo 405: Site: June 8, 2016



Photo 406: Site: June 8, 2016



Photo 407: Site: June 8, 2016



Photo 408: Site: June 8, 2016



Photo 409: Site: June 8, 2016



Photo 410: Site: June 8, 2016



Photo 411: Site: June 8, 2016



Photo 412: Site: June 8, 2016

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	Geology
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April Site Visits

April 19, 2016:

James Aidukas (UltraSystems)

Mike Lindsay (UltraSystems)

Tarik Hadj-Hamou (SLR)



**SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT**

Monitor: James Aidukas	Page: 1 of 2
Discipline: Project Manager	Date: 4/19/16
Site Conditions: Clear and sunny, 60-90°F with 0-15 MPH wind gusts	
SITE LOG	
<p>Republic Site Manager - Rob Sherman</p> <p>Drove the adjacent Rancho Cascades and Granada Hills neighborhoods from 6:40 to 7:15 a.m. No landfill odors were detected. Met with Mike Lindsay (UltraSystems) and Tarik Hadj-Hamou (SLR), signed in and proceeded to monitor the site and observed the following:</p> <ul style="list-style-type: none"> • Drove to San Fernando Road near the I-5 overpass. There was more dumping of trash and old TV's. Some of the rock and rubble near the edge of the roadway had been removed. The graffiti on the overpass columns was removed. UEI will call 311 on this illegal dumping. • Drove to the greenwaste recycling facilities on Blutchter Avenue and no offsite odors were detected. • Drove the Rancho Cascades neighborhood and no landfill odors were detected. At the end of Nicholas Avenue, there is a large vacant parcel with illegal dumping taking place on it. There are many tons of waste dumped at this location. This is outside of the Republic clean-up area. • Drove the adjacent Granada Hills neighborhood and did not detect any landfill odors. • Sierra Highway near the I-14 overpass had minor cardboard debris in the roadway. The overpass columns were graffitied. • New graffiti was seen on the white block wall near the Gas Company's meter station. • The 100-acre buffer oak trees were doing well. • The oil field southern access gate was locked. There were no landfill odors detected in the oil field or 100-acre buffer. • The potable supply water system was leaking at the greywater facility. The booster pump, that was not running, had a leaking discharge gate valve and a bad seal on the pump. Both were leaking approximately 2GPM total. There was water ponding at the sewer connection from these water leaks. <p>Met with Gabriel Esparza (LACDPW) at approximately 9:30 a.m. and continued to monitor with him joining us.</p> <ul style="list-style-type: none"> • The terminal basin was functioning well with the outlet risers having only a couple feet of sediment around their base. There was 3-4 feet of sediment at the center of the basin near the K-rails and approximately 5-6 feet against the southern basin interior wall. The sediment was wet and soft and not dry enough for removal and re-use. • The eastside drainage channel that was observed on the prior March monitoring that had soil eroded away from the top of the sidewall had been backfilled and compacted. • Cell CC-3B was being filled. The operating area was approximately 1/2 acre. Tarik Hadj-Hamou noted that some geotextile in this cell has been exposed over 45 days and that Republic's design engineer should verify that it is within the manufacturer's allowed limit of exposure. 	

Page 2 of 2, 4/19/16:

- The effects of erosion from recent rainstorms in the Cell CC-3B development area was being repaired and was nearly complete.
- The slopes below the new access road had erosion that had not been repaired. There are no slope stability issues.
- The slopes above the access road with jute netting performed well, with no visible erosion and the hydroseeding was germinating and greening of the hillsides was observed.
- Drove the dirt haul road in Cell CC-3A to the working area. In one area before the turnout apron, there was a localized liquid odor detect. Liquid removal pumps were seen on the ground near where the odor was detected.
- Cell CC-3A was compact and water misters and dust boss equipment was operating.
- The City HDPE-lined drainage lift area had standing water. Siphon pumps were not being operated.
- Basin A had soil/rock slough off into the basin from adjacent hillside grading. A dirt access road was constructed across the outlet channel with 2-12" corrugated steel drain pipes buried in the dirt.
- Basin A native hillsides were free of windblown litter.
- Grading continued at the old offices site using the dirt for daily cover and being stockpiled.
- The two old oil wells at the old office site were not yet re-abandoned. The grading in that area appears to need to be lowered another 40 feet or more.
- Flare #3 remains to be shut down with the gas feed pipeline being rerouted to the flare and power not yet connected.
- Edison pads were being graded and pole foundations being prepared for concrete.
- Basin B was dry with minimal sediment.

Flare Operating Conditions:

- Flare 1 - Did not monitor
- Flare 3 - shut down
- Flare 9 - 1618°F, 2232 SCFM,
- Flare 10 - 1660°F, 2456 SCFM, -65.0 " vacuum, 35.7" outlet, 46.3% CH₄, 2.54 O₂

The gas-to-energy plant was operating at full production using 8065 SCFM, 46.3% methane.

FURTHER REVIEW NEEDED

COMMENTS

Signed: 



**SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT**

Monitor: Mike Lindsay	Page: 1 of 1
Discipline: Environmental Engineer	Date: 04-19-2016 Tuesday
Site Conditions: Clear, 66–90 °F, 0–15 mph, 24% RH	
SITE LOG	
<ol style="list-style-type: none"> 1. Met with Jim Aidukas and Tarik Hadj-Hamou (UltraSystems), and checked into office. 2. New graffiti was observed on retaining wall by landfill entrance at the gas odorization station. 3. No odors were detected in adjacent neighborhood and school. 4. No odors were detected in adjacent Rancho Cascades neighborhood. 5. Sierra Highway has some debris in roadway. 6. Oil field south perimeter gate is locked. 7. Greywater treatment facility by landfill entrance has two water leaks; one at a vertical water valve shaft and another at a water pump shaft seal. 8. Standing water is present around the sewer lift station by landfill entrance due to leaking water valve and pump. 9. Met with Gabriel Esparza (LACDPW). 10. Terminal Basin is in good order, with three to seven feet of sediment accumulated at northeast end. 11. Cell CC-3B is in operation, with 98% of ADC covered with new trash at 10:45 AM. 12. Observed east slopes above haul road to be in good condition, with no erosion problems. 13. City North Deck is in good order, and is being used to store pipes, liner material and equipment. 14. Water trucks are applying water throughout site for dust control (24% relative humidity today). 15. Flare 9 is operating at 2234 scfm, 1684 °F, with blowers 2, 3 and 4 active. Gas sample measured at 49 % Vol. CH₄, 2.0 % Vol. O₂, 67 ppm H₂S and 449 ppm CO. Gas inlet temperature is at 148 °F. 16. Flare 10 is operating at 2523 scfm and 1661 °F. 17. The Gas-to-Energy plant is operating at full capacity. 18. Sediment Basin B is mostly clear of sediment build-up, and is draining into channel. 19. Top working area at Cell CC-3A is in good order, with tippers and water misters in operation. 20. A localized condensate odor was detected at haul road above northeast end of Cell CC-3A. 21. Temporary basin at Cell CC-3A is in good order, with standing water being pumped out and no odors present. 22. Sediment Basin A is in good order, with new two-foot gas header pipe running along perimeter of basin. 23. Cement trucks are pouring footings and pads for new Edison powerline poles. 24. Observed new gas header pipe being installed down from the Flare 3 area and into Basin A. 	
FURTHER REVIEW NEEDED	
<ol style="list-style-type: none"> 1. Remove graffiti on retaining wall by landfill entrance. 2. Repair water leaks at greywater facility. 3. Eliminate localized condensate odor above northeast end of Cell CC-3A. 	
Signed:	



**SUNSHINE CANYON LANDFILL
MITIGATION MONITORING
SITE REPORT**

Monitor: Tarik Hadj-Hamou, Ph.D., P.E.	PAGE 1 OF 5
Discipline: Civil – Geotechnical and Hydrology	Date: April 19, 2016
Site Conditions: Sunny	
SITE LOG	
7:00- 7:15 meet with UltraSystems team members Jim Aidukas and Mike Lindsay, sign-up in main office and prepare site visit	
<ul style="list-style-type: none"> • 	
7:15 – 9:15 Initial inspection	
<ul style="list-style-type: none"> • tour the neighborhood to detect potential odors and observe illegal dumping– No odors detected 	
9:30 Back to the office to meet with Gabriel Esparza LA County Department of Public Work	
9:30 - 2:10 site tour with LADWP personnel	
Observed the following areas: construction area of Cell 3A, waste face, flares 3, and 9-10, drainage systems, erosion protection systems, and overall landfill.	
Cell CC3B – Part 2	
<ul style="list-style-type: none"> • waste was being placed • waste was compacted to edge of operation layer using a caterpillar D9T (Photo 1) • No civil or geotechnical issues noted 	
Waste face on deck	
<ul style="list-style-type: none"> • No civil or geotechnical issues noted 	
Stability issues	
<ul style="list-style-type: none"> • No slope stability issues were noted during the site tour, some erosion gullies on embankment of access roads but no threat to stability. 	
Erosion Protection systems	
<ul style="list-style-type: none"> • all systems installed at site performed very well namely that installed on the cut slopes above the access road near the entrance to the landfill 	
Flares	
<ul style="list-style-type: none"> • No civil or geotechnical issues noted 	
Drainage system	
<ul style="list-style-type: none"> • Basin A: <ul style="list-style-type: none"> – Because of ongoing construction, soil has sloughed off into the basin (Photo 2). Not an issue at this time since no large storm are anticipated and there is enough capacity left in the basin to handle a common storm – Portion of drainage channel between basin D and the access road to the Flare 9 and 10 has been fitted with a corrugated pipe (Photo 3). Comments made January 7, 2016 were implemented, 	

PAGE 2 OF 5



namely fix the flap at entry to culvert to the shotcrete (Photo 3)

- Basin B:
 - totally clean
- The erosion along the concrete edge North drainage channel near current staging area for cell CC3B construction on city landfill deck noted on the visit of January 7, 2016 has been fixed (Photo 4)
- Terminal Basin
 - There is still up to 5 of sediment in the basin (Photo 5), but this not an issue at this time of year. There is enough capacity to hold a common storm.

FURTHER REVIEW NEEDED

Geotextile at Cell CC3 B has been left exposed for over 45 days (observed on January 7, 2016). Recommended exposure time varies from manufacturer to manufacturer but Republic should check with design engineer about appropriate exposure time for geotextile used on the slopes of CCIII B

COMMENTS

Signed:

PAGE 3 OF 5



Photo 1: Waste Placement in Cell CC3A – Part 2



Photo 2: Soil in Basin A



Photo 3: Connection geomembrane-shotcrete at drainage pipe intake



Figure 4: Separation between edge of concrete channel and soil has been backfilled

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Photo 5: Dry sediment in Terminal Basin

May Site Visits

May 10, 2015:

James Aidukas (UltraSystems)

Mike Lindsay (UltraSystems)



**SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT**

Monitor: James Aidukas	Page: 1 of 2
Discipline: Project Manager	Date: 5/10/16
Site Conditions: Clear and sunny, 55-75°F with 0-10 MPH wind gusts	
SITE LOG	
<p>Republic Site Manager - Rob Sherman</p> <p>Drove the adjacent Rancho Cascades and Granada Hills neighborhoods from 6:15 to 7:00 a.m. No landfill odors were detected. Met with Mike Lindsay (UltraSystems), signed in and proceeded to monitor the site and observed the following:</p> <ul style="list-style-type: none"> Drove to San Fernando Road near the I-5 overpass. There was more illegal dumping of waste and construction debris. Drove to the greenwaste recycling facilities on Blutcher Avenue. There was a strong greenwaste odor detected on Blutcher Avenue coming from the C&D facility. At 12000 Blutcher (at the end) there was a strong fish odor coming from the Perez Disposal facility. Drove the adjacent Granada Hills neighborhood and did not detect any landfill odors at the school nor in the residential community. Drove the Rancho Cascades neighborhood and did not detect any landfill odors. At the end of Nicholas Avenue, the illegal dumping of rock and rubble and large item waste had increased on a private half acre area. This is outside of the Republic clean-up area, but is becoming a problem area. The City will be notified. Sierra Highway near the I-14 was clean and free of litter and graffiti. The white block wall near the Gas Company's meter station had the graffiti seen in April removed. <p>Met with Karlo Manolo (LACDPW) at approximately 9:30 a.m. and continues to monitor with his joining us.</p> <ul style="list-style-type: none"> The potable water supply system in the greywater handling area had the prior piping and gate valve leaks repaired. The water booster pump seal was still leaking. Ponding water was seen near the sewer connection. There was water draining into the terminal basin. There was approximately 3-8 feet of sediment in the basin. The sediment appeared to be too wet for removal. The access road side slopes from the concrete box drainage structure to the entrance had erosion. These slopes will need attention when they dry. The access road box drainage discharge had the HDPE temporary drainage channel removed for Cell CC-3B construction and the last rain event caused side slope erosion and deep ruts. Three monitoring wells have been installed downstream of the Cell CC-3B berm. There were two operating areas: CC-3B about a half acre area with the majority of the trucks being packer trucks, and CC-3A about a four acre area. ADC was being used in both areas. 	

Page 2 of 2, 5/10/16:

- There was mud being tracked onto the main access road from Cell CC-3B. The rumble strip was not effective due to wrong placement.
- There was an area of water ponding below the lined area in Cell CC-3B.
- The side slope in Cell CC-3A near C6W 676R and 716R had localized liquids and gas odors.
- Grading south of Basin A was causing side slope rocks and soils to fall into the basin. Careful removal will need to occur before October. There was some ponded water in the basin.
- There was a broken down D-6 bulldozer near Basin A leaking oil with no oil pans under it.

Flare Operating Conditions:

- Flare 1 - Did not monitor
- Flare 3 - shut down
- Flare 9 - 1660°F, 4076 SCFM,
- Flare 10 - 1671°F, 3975 SCFM, -60 " vacuum, 36.47" H₂O outlet, three blowers running, 49% CH₄

The gas-to-energy plant was down due to Edison's upgrading their fiber optic cable.

FURTHER REVIEW NEEDED

COMMENTS

Signed: 



SUNSHINE CANYON LANDFILL

MITIGATION MONITORING SITE REPORT

Monitor: Mike Lindsay	Page: 1 of 1
Discipline: Environmental Engineer	Date: 05-10-2016 Tuesday
Site Conditions: Clear, 54–75 °F, 0–10 mph, 77% RH	
SITE LOG	
<ol style="list-style-type: none"> 1. Met with Jim Aidukas (UltraSystems), and checked into office. 2. No odors were detected in adjacent neighborhood or school. 3. No odors were detected in adjacent Rancho Cascades neighborhood. 4. Strong greenwaste odors were detected offsite (eucalyptus) at the C&D Greenwaste facility on Blucher Avenue. 5. Strong fish waste odors were detected offsite near Perez Disposal at 12000 Blucher Avenue. 6. Met with Ricky Dhupar (Republic) at office, and with Karlo Manalo (LACDPW). 7. Greywater treatment facility by landfill entrance has a new water leak at a water pump shaft seal. 8. Terminal Basin is in good order, with three to eight feet of sediment accumulated at northeast end. 9. Observed soil erosion on slopes below haul road and above Terminal Basin entrance. 10. Cell CC-3B is in operation with packing trucks and transfer trucks with moving floors. ADC was 40% exposed at 7:20 AM, and 15% exposed at 11:45 AM. 11. Top working area at Cell CC-3A is in good order, with tippers and water misters in operation. 12. A strong, localized gas odor was detected near Well CGW676R. 13. A strong, localized gas odor was detected at haul road below working area of Cell CC-3A. 14. Sediment Basin A has soil spoils falling into basin from excavation work above. 15. The Gas-to-Energy plant is offline due to Edison fiber optic cable installation. 16. Flare 9 is operating at 4146 scfm, 1654 °F, with blowers 2, 3 and 4 active. Gas sample measured at 49 % Vol. CH₄, 1.1 % Vol. O₂, 70 ppm H₂S and 432 ppm CO. Gas inlet temperature is at 124 °F. 17. Flare 10 is operating at 4030 scfm and 1656 °F. 18. Observed oil leak on ground below a bulldozer by Sediment Basin A. 19. Water trucks are applying water throughout site for dust control. 	
FURTHER REVIEW NEEDED	
<ol style="list-style-type: none"> 1. Repair water leak at greywater facility. 2. Repair soil erosion on slopes below haul road. 3. Eliminate localized gas odor near Well CGW676R. 4. Eliminate localized gas odor below Cell CC-3A. 	
Signed: <i>Michael W. Lindsay</i>	

May 25, 2015:

James Aidukas (UltraSystems)

Mike Lindsay (UltraSystems)

Tarik Hadj-Hamou (SLR)



**SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT**

Monitor: James Aidukas	Page: 1 of 2
Discipline: Project Manager	Date: 5/25/16
Site Conditions: Cloudy, 55-70°F with 0-10 MPH wind	
SITE LOG	
<p>Republic Site Manager - Rob Sherman</p> <p>Drove the adjacent neighborhood, Van Gogh School, and Rancho Cascades area at 6:45 to 7:20 a.m. and 10:45 to 11:15 a.m. No landfill odors were detected. Met with Mike Lindsay (UltraSystems) and Tarik Hadj-Hamou (SLR) at 7:30, signed in at the landfill office, and proceeded to monitor the site and observed the following:</p> <ul style="list-style-type: none"> • There were two operating faces: Cell CC-3A being approximately 3-4 acres and Cell CC-3B, approximately 1/2 acre. Both were using ADC and had 50% of the prior day's ADC covered by 9:00 a.m. • The City lined drainage lift area had rainwater ponding that had not yet been pumped. • The haul road to Cell CC-3A had a strong localized liquid and/or gas odor detected below the west-facing slope of the cell. • The terminal basin had 3-8' of sediment. The sediment was still wet in the deep soils areas. • Vegetation was seen growing out of cracks in the terminal basin sidewalls. This vegetation should be removed. • Greenwaste odors were detected on Blucher Avenue near the C&D Recycling Facility. • More illegal dumping has occurred on San Fernando Road near the I-5 overpass. This is outside of the Republic clean-up area. UEI will call 311 on this illegal dumping. • Sierra Highway near the I-14 overpass was free of litter and trash. All other areas patrolled by Republic were clean. • The retaining wall on San Fernando Road south of the entrance had more slope soil sloughing and the fencing is being pushed out horizontally. The trees on the hillside had lost more soil around their roots. More soil has also accumulated in front of the wall. The truck acceleration lane has been cleared of soil. • The potable water booster pump seal in the greywater facility area still is leaking water. • The leachate treatment facility was inspected and no operational concerns were noted. Dead tree limbs and piled, cut, dry vegetation was noted around the facility pad, and this should be removed because of the fire hazard. • The emergency access road from Deck C was graded to allow passenger car use. Grading of this road for drainage along with placement of rock should be done before October rains. • Deck C sage mitigation was doing well and was being maintained. • Deck A and B native sage was doing well. No removal of mustard plant and other non-natives had occurred. • The two old oil well steel casings in the area north of the new office site have been gradually lowered. The soil around them still has to be lowered by approximately 100 feet. Final lowering of the well casings and permanent abandonment will be done after final grades are reached. 	

Page 2 of 2, 5/25/16:

- Basin A had additional rock and soil sloughed into it from the hillside grading being done south of the basin. Removal of this material should occur before the rainy season.
- The broken down D-6 near Basin A was still leaking oil on the ground.
- All but two new Edison power poles were in place; the other poles were having wire installed. Concrete slope v-ditches were installed near the pole pads and access roads. No slope erosion control was done yet.
- The Basin D outlet channel had a portion of the channel with HDPE liner installed on top of the concrete. The leading edges were not protected from having water getting in back of it and tearing the liner.

Flare Operating Conditions:

- Flare 1 - 1717°F, 1644 SCFM, -57.76 " H₂O vacuum, 36% CH₄
- Flare 3 - shut down
- Flare 9 - Did not monitor
- Flare 10 - Did not monitor

The gas-to-energy plant was not monitored.

FURTHER REVIEW NEEDED

COMMENTS

Signed: 



**SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT**

Monitor: Mike Lindsay	Page: 1 of 1
Discipline: Environmental Engineer	Date: 05-25-2016 Wednesday
Site Conditions: Cloudy, 54–68 °F, 2–10 mph, 71% RH	
SITE LOG	
<ol style="list-style-type: none"> 1. Met with Jim Aidukas and Tarik Hadj-Hamou (UltraSystems), and checked into office. 2. Working area at Cell CC-3A is in good order, with tipplers and water misters in operation. 3. ADC at Cell CC-3A is 50% covered with new trash at 8:30 AM. 4. A strong, localized gas odor was detected at haul road below working area of Cell CC-3A. 5. Cell CC-3B is in good order, with ADC 60% exposed at 8:50 AM. 6. Terminal Basin is in good order, with four to eight feet of sediment accumulated at northeast end. 7. Faint greenwaste odors were detected offsite at the greenwaste facilities on Blucher Avenue. 8. No odors were detected in adjacent Rancho Cascades neighborhood. 9. Acceleration lane at landfill entrance is clear of soil and debris. 10. Retaining wall at landfill entrance is impacted with soil at known location. 11. Leachate treatment facility by landfill entrance is in good order. 12. Greywater treatment facility by landfill entrance has a water leak at a water pump shaft seal. 13. Weeds are growing out of cracks in concrete at Terminal Basin exterior wall by haul road. 14. City Deck C sage mitigation area is in good condition, with salt bush and sage growing well throughout site. 15. Secondary access road by City Deck C is passable, but needs grading for vehicles and drainage. 16. Flare 1 is operating at 1659 scfm, 1714 °F. Gas sample measured at 36 % Vol. CH₄, 0.1 % Vol. O₂, 87 ppm H₂S and 55 ppm CO. Gas inlet temperature is at 105 °F. 17. Water tank and surrounding area are in good condition. 18. Water trucks are applying water throughout site for dust control. 19. City Deck A is growing well, and is mostly covered with vegetation. 20. City Deck B is growing well, and is partially covered with vegetation. 21. Sediment Basin A is temporarily impacted with soil spoils falling into basin from excavation work above. 22. Observed oil leak on ground below a bulldozer being repaired by Sediment Basin A at known location. 23. Observed oil leak on ground below a scraper being repaired by Sediment Basin A. 24. Sediment Basin D is in good order. 25. Sediment Basin D drainage channel is in good order. 26. Met with Patti Costa and Tyson Ross (Republic), and discussed our site monitoring observations. 	
FURTHER REVIEW NEEDED	
<ol style="list-style-type: none"> 1. Eliminate localized gas odor below Cell CC-3A. 2. Repair retaining wall near landfill entrance. 3. Repair water leak at greywater facility. 4. Remove weeds and repair concrete cracks at Terminal Basin. 5. Grade secondary access road by City Deck C. 6. Eliminate contaminated soil below bulldozer and scraper near Sediment Basin A. 	
Signed: <i>Michael W. Lindsay</i>	



**SUNSHINE CANYON LANDFILL
MITIGATION MONITORING
SITE REPORT**

Monitor: Tarik Hadj-Hamou, Ph.D., P.E.	PAGE 1 OF 6
Discipline: Civil – Geotechnical and Hydrology	Date: May 25, 2016
Site Conditions: Sunny	
SITE LOG	
7:00- 7:15 meet with UltraSystems team members Jim Aidukas and Mike Lindsay, sign-up in main office and prepare site visit	
<ul style="list-style-type: none"> • 	
7:15 – 9:15 Initial inspection	
<ul style="list-style-type: none"> • tour the neighborhood to detect potential odors and observe illegal dumping– No odors detected 	
9:30 - 2:00 site tour personnel	
Observed the following areas: placemnt of wste in Cell CC3A and CC3B phase2, drainage systems, erosion protection systems, and overall landfill.	
Cell CC3A– Part 2	
<ul style="list-style-type: none"> • waste was being placed • waste was compacted to edge of operation layer using a caterpillar D9T (Photo 1) • No civil or geotechnical issues noted 	
Cell CC3 A Waste face on deck	
<ul style="list-style-type: none"> • No civil or geotechnical issues noted 	
Stability issues	
<ul style="list-style-type: none"> • No slope stability issues were noted during the site tour, some erosion gullies on embankment of access roads but no threat to stability. 	
Erosion Protection systems	
<ul style="list-style-type: none"> • all systems installed at site performed very well namely that installed on the cut slopes above the access road near the entrance to the landfill 	
Drainage system	
<ul style="list-style-type: none"> • Basin A: <ul style="list-style-type: none"> – Because of ongoing construction, soil has sloughed off into the basin (Photo 2). Not an issue at this time since no large storm are anticipated and there is enough capacity left in the basin to handle a common storm • Basin B: <ul style="list-style-type: none"> – totally clean • Terminal Basin <ul style="list-style-type: none"> – There is still up to 5ft of sediment in the basin (Photo 3), but this not an issue at this time of year. There is enough capacity to hold a common storm. – vegetation is growing in cracks in walls on terminal basin (photos 4a and 4b) 	

PAGE 2 OF 6



Retaining wall along San Fernando Road

- sloughed soil is piling up against the wire fence above the wall and filled up the concrete drainage ditch built on top of wall (Photos 5a and 5b)

FURTHER REVIEW NEEDED

COMMENTS

Signed:

PAGE 3 OF 6



Photo 1: Waste Placement in Cell CC3A – Part 2



Photo 2: Soil in Basin A

PAGE 4 OF 6



Photo 3: Dry sediment in Terminal Basin

PAGE 5 OF 6



Photo 4a and 4b: Vegetation in cracks on wall of in Terminal Basin

PAGE 6 OF 6



Photo 5a and 5b: Soil against fence a retaining wall along San Fernando Road

June Site Visits

June 8, 2016:

James Aidukas (UltraSystems)

Mike Lindsay (UltraSystems)



**SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT**

Monitor: James Aidukas	Page: 1 of 2
Discipline: Project Manager	Date: 6/8/16
Site Conditions: Clear, 60-90°F	
SITE LOG	
<p>Republic Site Manager - Rob Sherman</p> <p>Drove the adjacent neighborhood and Van Gogh School at 6:15 to 7:00 a.m. No landfill odors were detected. Met with Mike Lindsay (UltraSystems), signed in at the landfill office, and proceeded to monitor the site and observed the following:</p> <ul style="list-style-type: none"> Drove to San Fernando Road near the I-5 overpass. There was more dumping of trash and construction debris on the shoulder and adjacent to the roadway. Drove to the greenwaste recycling facilities on Blucher Avenue and faint greenwaste odors were detected on Blucher Avenue between the North Hills and C&D Recycling facilities. At the end of Blucher Avenue, there was a faint odor of trash at the Perez Disposal Facility. Drove the Rancho Cascades neighborhood and no landfill odors were detected. At the end of Nicholas Avenue, there is a large vacant parcel with illegal dumping taking place on it. The amount of dumped construction debris has increased since the last site visit. Drove the adjacent Granada Hills neighborhood and did not detect any landfill odors. Sierra Highway near the I-14 overpass was free of trash and windblown litter. The overpass columns had the graffiti painted over. Drove Foothill Boulevard on the east side of the I-5. There was a strong unidentifiable odor near the LADWP work site gate at 17011 Foothill Boulevard. <p>Met with Karlo Manalo (LACDPW) and continued monitoring with his joining us.</p> <ul style="list-style-type: none"> There were two working areas: Cell CC-3B and Cell CC-3A. The trucks leaving Cell CC-3B were using a temporary dirt road that was sloped and washboarded and trucks were trying to cross bumps in a diagonal direction. Uncontrolled dust was a problem. Use of water was not appropriate for this road. The new Edison poles that were installed were having wire strung. Three additional poles needed to be erected. The Cell CC-3A slope along on the haul road had areas where localized odors from liquids were detected along the edge of the road. The City lined lift basin had stagnant water that was not yet pumped. Odors were detected in the general area. City Sage Deck C was doing well and was going through summer hot weather conditions. Basin A had some of the excavation spoils that sloughed into the basin from the adjacent SCE pole construction grading removed. There still is a large amount that needs removal before October 1st. 	

Page 2 of 2, 6/8/16:

Flare Operating Conditions:

- Flare 1 - 1737°F, 1751 SCFM, -57.71 " H₂O vacuum, 36% CH₄
- Flare 3 - shut down
- Flare 9 - Did not monitor
- Flare 10 - Did not monitor

The gas-to-energy plant was not monitored.

FURTHER REVIEW NEEDED

COMMENTS

Signed: 



**SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT**

Monitor: Mike Lindsay	Page: 1 of 1
Discipline: Environmental Engineer	Date: 06-08-2016 Wednesday
Site Conditions: Mostly clear, 59–90 °F, 2–10 mph, 50% RH	
SITE LOG	
<ol style="list-style-type: none"> 1. Met with Jim Aidukas (UltraSystems), and checked into office and with Patti Costa and Ricky Dhupar (Republic). 2. Faint greenwaste odors were detected offsite at the greenwaste facilities on Blucher Avenue. 3. No odors were detected in adjacent neighborhood or school, or the Rancho Cascades neighborhood. 4. Sierra Highway is clear of trash and debris. 5. Met with Karlo Manalo (LACDPW). 6. Working area at Cell CC-3A is in good order, with tippers and water misters in operation. 7. ADC at Cell CC-3A is 70% covered with new trash at 10:10 AM. 8. Strong landfill odors were detected near 17011 Foothill Boulevard, across I-5 Freeway from landfill. 9. Sediment Basin A is being cleared of soil spoils that fell into basin from excavation work above. 10. Observed overall landfill operations from the Flare 3 area hillside. 11. New exit route from Cell CC-3B working area is a dirt-only road, and is producing dust clouds as trucks pass by. 12. Water tank and surrounding area are in good condition. 13. Water trucks are applying water throughout site for dust control. 14. Met with Patti Costa, and discussed our site monitoring observations. 	
FURTHER REVIEW NEEDED	
<ol style="list-style-type: none"> 1. Investigate source of odors along Foothill Boulevard. 2. Improve Cell CC-3B exit haul road with road base or gravel to reduce dust. 	
Signed: <i>Michael W. Lindsay</i>	

Appendix IV

Meeting Logs

**Sunshine Canyon Landfill
Meeting Log for April 2016 Site Monitoring**

April 20, 2016

Post-monitoring meeting by telephone with Patti Costa, Republic Environmental Manager.

Attendees:

Gabriel Esparza, LACDPW
James Aidukas, UltraSystems
Mike Lindsay, UltraSystems



Discussion:

We had a post-monitoring meeting conference call 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. Jim Aidukas stated that when he monitored the adjacent neighborhood, Van Gogh school, and the Rancho Cascades neighborhood. There were no landfill odors detected from 6:45-7:15 a.m..
 - o Patti Costa acknowledged the statement.
- b. Jim Aidukas stated that no landfill odors were detected in the oil field, and that the south perimeter gate was locked.
 - o Patti Costa acknowledged the statement.
- c. Jim Aidukas stated that the potable water supply pumping system located at the greywater handling site had a booster pump with a leaking shaft seal and a gate valve that was leaking. These leaks were about 2gpm total with ponding occurring at the sewer location.
 - o Patti Costa stated that they looked at the leaks yesterday after it was mentioned to Republic staff, and that they were having their service contractor repair the equipment.
- d. Jim Aidukas stated that we observed that the new Edison poles had hillside grading that removed native vegetation and asked if jute netting and hydroseeding will take place on the disturbed areas.
 - o Patti Costa stated that they will cover the disturbed areas with jute netting and that they will be hydroseeded, like the slopes above the realigned access road at the landfill entrance.
- e. Jim Aidukas stated that there is ponding water below Cell CC-3A.
 - o Patti Costa stated that she would have operations attend to draining it.
- f. Mike Lindsay stated that there was new graffiti on the white retaining wall near the Gas Company's meter station.
 - o Patti Costa stated that they will have it painted over.

- g. Gabriel Esparza stated that there was wind-blown trash at locations around the working area.
 - Patti Costa stated that they had personnel picking up the trash and it is removed at the end of each day.
- h. Jim Aidukas stated it was observed that there were two working areas, Cell CC-3A and Cell CC-3B, working simultaneously.
 - Patti Costa stated that they will have two working faces for some time, and that when the floor of Cell CC-3B comes up to Cell CC-3A they will be combined into one.
- i. Gabriel Esparza asked what the acreage size of the two working faces were.
 - Patti Costa stated that the maximum total size for both working areas is two to three acres, and that the size of Cell CC-3B is about one-half acre.
- j. Gabriel Esparza asked if ADC was being used for both working faces.
 - Patti Costa stated that ADC was being used for both Cell CC-3A and Cell CC-3B working faces.
- k. Gabriel Esparza asked what is used to cover the trash at the edges of the ADC.
 - Patti Costa stated that the edges and slopes are covered with six inches of soil.
- l. Gabriel Esparza stated that loose trash at the edges of the ADC was reported in the ADC Report.
 - Patti Costa stated that the ADC covers the working face, and soil covers all the trash at the edges.
- m. Jim Aidukas stated that D9 bulldozers were being used to compact Cell CC-3B, and asked if compactors will be used at Cell CC-3B.
 - Patti Costa stated that perhaps they will be used at Cell CC-3B, but that currently they have compactors down for maintenance.
- n. Jim Aidukas stated that a localized condensate odor was detected along the haul road to Cell CC-3A, and that condensate well pumps were laying on the ground in the vicinity.
 - Patti Costa stated that those were leachate pumps, and they were removed for maintenance.
- o. Jim Aidukas stated that a temporary earthen road is blocking the Sediment Basin D drainage channel inlet from the western native hillsides.
 - Patti Costa stated that they will clear that blockage as soon as the Edison power pole construction is finished.

The meeting was then adjourned.

**Sunshine Canyon Landfill
Meeting Log for May 2016 Site Monitoring**

May 10, 2016

Post-monitoring meeting with Ricky Dhupar, Republic Environmental Specialist.

Attendees:

Karlo Manalo, LACDPW
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. Jim Aidukas stated that strong fish waste odors were detected near the entrance to the Perez Disposal Facility on Blucher Avenue.
 - Ricky Dhupar stated that he would investigate the odor source.
- b. Jim Aidukas stated that there were no landfill odors detected in the adjacent Granada Hills and Rancho Cascades neighborhoods. Onsite odors were detected at Cell CC-3-A western slopes and along the haul road to the working area.
 - Ricky Dhupar stated that he would inform Tyson Ross (Republic Operations Manager) and Mat Eaton (Republic Environmental Engineer) of these conditions.
- c. Jim Aidukas stated that the rumble strip coming out of Cell CC-3B was not placed in the correct location and that the main access roadway was getting mud tracked out onto the asphalt.
 - Ricky Dhupar stated that he would talk with Fred (Republic Operations) about making sure it is in the correct location to control track-out.
- d. Jim Aidukas asked if the existing berm below Cell CC-3B is the final berm.
 - Ricky Dhupar stated that he is not sure, but would check into it and let us know.
- e. Jim Aidukas stated that the drainage below the box channel drain on the main access road had the temporary HDPE lined v-ditch removed for Cell CC-3B construction and that the slope below the haul road had deep ruts and erosion from the last rains.
 - Ricky Dhupar stated that Sukut Construction is working on that drainage and slope and that the drainage downshoot will be replaced.
- f. Jim Aidukas asked when the Terminal Basin will be cleaned of sediment.
 - Ricky Dhupar stated that they will begin sediment removal in all basins in July, and that they will be done by October 1.

- g. Jim Aidukas stated that the monitors observed a gas well was being capped off on the Old City North Deck due to high O₂, and that construction activity was odorous.
 - Ricky Dhupar acknowledged the statement.
- h. Jim Aidukas stated that the monitors did not see a paleo monitor present monitoring the excavation by Sediment Basin A.
 - Ricky Dhupar stated that he would call JMA and make sure a monitor was doing monitoring.
- i. Jim Aidukas stated that the Edison power pole lines between Sediment Basin A and the County sage slopes seem to be blocked by trees, including big cone firs and asked if more trees will be removed.
 - Ricky Dhupar stated that he will investigate the power line routing.
- j. Jim Aidukas stated that the slope above the Edison power pole pad near the Flare 9 and 10 blowers is at least 1:1 ratio, which is steeper than the 1.5:1 requirement.
 - Ricky Dhupar stated that the County approved the grading plan and an exemption for this isolated area.
- k. Mike Lindsay stated that the potable water booster pump in the greywater facility area still had a seal leak and was causing water ponding at the sewer line connection.
 - Ricky Dhupar stated that he would have maintenance repair it.
- l. Mike Lindsay stated that there was an oil spill underneath a broken down D-6 bulldozer near Sediment Basin A.
 - Ricky Dhupar stated that he would have the oil spillage cleaned up and oil pans used, if needed.
- m. Karlo Manalo stated that there were strong gas odors by the road grate in the main access road.
 - Ricky Dhupar stated that they will investigate the odors, and that 14 new wells were just installed in that general area, but are not online as of yet.

The meeting was then adjourned.

May 25, 2016

Post-monitoring meeting with Patti Costa, Republic Environmental Manager and Tyson Ross, Republic Operations Manager.

Attendees:

James Aidukas, UltraSystems
Mike Lindsay, UltraSystems
Tarik Hadj-Hamou, 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. Jim Aidukas stated that strong localized liquids and/or gas odors were detected along the haul road below the west-facing slopes of Cell CC-3A.
 - Patti Costa stated that last week leachate transfer piping was replaced with larger sized pipes and existing lines were cut and reconnected. The construction had residual liquids that leaked out on to the slope soil. Wetted soils were being removed and new soil placed.
- b. Mike Lindsay stated that there are oil spills on the soils underneath a D-6 bulldozer and a scraper being repaired by Sediment Basin A.
 - Patti Costa stated that she will remind Sukut Construction again to comply with using oil containment and recovery equipment.
- c. Tarik Hadj-Hamou stated that there is soil spilling into Sediment Basin A.
 - Patti Costa stated that it will all get cleaned out when construction is complete.
- d. Jim Aidukas stated that the secondary access road at City Deck C is passenger car passable, but needs grading for drainage and rock for wet weather use.
 - Patti Costa stated that a secondary access road is already included in their Hazardous Materials Business Plan and the CUPA, and is planned for when Flare 11 gets constructed.
- e. Jim Aidukas asked how Republic was proceeding with the abandonment of the two old abandoned oil well casings.
 - Tyson Ross stated that as they grade for landfill development, they periodically test and cut the well casings. They have 80-100' more of grading before they can final cut and re-abandon the wells.
- f. Jim Aidukas asked how leachate breakout on the haul road to Cell CC-3A and the Cell's western side slopes are handled.
 - Tyson Ross stated that they are pumping fluids out of that area, and take action to correct problems with pumps and liquids-blocked gas wells as they occur.

- g. Tarik Hadj-Hamou stated that the retaining wall south of the landfill entrance is impacted with soil, and needs to be looked at.
 - o Patti Costa stated that she would have GLA look at it and give Republic their recommendations.

The meeting was then adjourned.

**Sunshine Canyon Landfill
Meeting Log for June 2016 Site Monitoring**

June 8, 2016

Post-monitoring meeting with Patti Costa, Republic Environmental Manager.

Attendees:

Karlo Manalo, LACDPW
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. Jim Aidukas stated that a strong unidentifiable odor was detected along Foothill Boulevard, east of the I-5 Freeway, across from the landfill entrance near the LADWP work site gate at 17011 Foothill. The odor resembles that of something rotting or decomposing. We walked the area along Foothill but could not find the source.
 - o Patti Costa stated that one of Republic's odor patrollers said that they detected an odor at that location, and that they are trying to identify the source.
- b. Jim Aidukas stated that we observed a pile of trash inside the fenced site at the Perez Disposal facility on Blucher Avenue.
 - o Patti Costa asked that we let the LEA know.
- c. Jim Aidukas stated that the new Cell CC-3B temporary exit haul road was unsurfaced dirt and had a washboarded condition that trucks were trying to avoid by driving diagonally across the ruts. This caused some trucks to make potentially unsafe maneuvers. Water was not being used to control dust, presumably because it would make the roadway potentially slippery.
 - o Patti Costa acknowledged the statement and she said that the operation manager would be notified of our concern.
- d. Jim Aidukas stated that localized liquid odors were detected along the Cell CC-3A haul road near the west-facing slope.
 - o Patti Costa stated that 23 gas wells and liquid pumps were installed in that area and they were in the process of being commissioned.

The meeting was then adjourned.