Sunshine Canyon Landfill
Independent Monitor
Quarterly Site Monitoring Status Report
July 1, 2016 – September 30, 2016

Prepared For:

City of Los Angeles Department of City Planning

And

County of Los Angeles Department of Regional Planning

Prepared By:

UltraSystems
environmental | management | planning

16431 Scientific Way
Irvine, California 92618

Prepared On:

December 22, 2016

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UltraSystems
environmental | management | planning

CERTIFICATION STATEMENT

December 22, 2016

The attached Quarterly Site Monitoring Status Report for the Sunshine Canyon Landfill dated December 22, 2016 is the Third Quarterly Report for 2016, issued by UltraSystems. This report covers the monitoring period from July 1, 2016 through September 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

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

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Quarterly Status Report

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

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

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

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

1. The City and County Mitigation Monitoring Summary spreadsheets for July 1, 2016 to September 30, 2016. These spreadsheets record the areas of monitoring completed and the status of being compliant during the third 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

Five site visits were performed by UltraSystems during the July through September 2016 quarter in order to observe operational site activities and determine compliant status with conditions and/or mitigation measures. They were performed on July 12, 2016; July 27, 2016; August 24, 2016; September 14, 2016; and September 27, 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' five 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 early July, the new Edison poles and wire installation was completed. Erosion control protection, straw wattles, and hydroseeded mulch were in place at all graded areas. The drainage channel (corrugated steel pipe) from Edison's pad #38 poses an attractive nuisance hazard. Edison should install a safety barrier. Once all Edison activity is completed, as-built drawings should be provided to verify the actual limits of grading. Cells CC-3A and CC-3B were both active and accepting waste. Alternative daily cover (ADC) was being used in both areas. Scrapers were moving dirt from the future Cell CC-4 Part 1 area and stockpiling soil in the future Cell CC-4 Part 5 area.

At the end of July, Cell CC-3A and CC-3B were both operational and were using ADC. Cell CC-4 Part 1 was having dirt removed and stockpiled.

At the end of August, the edge of the existing liner was uncovered on the west side of Cell CC-3A, but could not be located on the north side of the Cell CC-4 Part 1 area. Excavation of old waste was underway to locate the existing liner. Cell CC-3A and CC-3B were both operational and using ADC.

In mid-September, excavation of old waste was continuing on the north side of Cell CC-4 to locate the edge of the existing liner. Cells CC-3A and CC-3B were being used for disposal, with the majority being placed in CC-3B. ADC was being used at both disposal areas.

At the end of September, Cells CC-3A and CC-3B were being used for disposal. ADC was being used at both areas. The edge of the existing liner north of CC-4A Part 1 was not yet found. The excavation of old waste was still underway to get to the tie-in elevation.

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 – 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. The SCAQMD has held neighborhood meetings in Granada Hills concerning odor complaints by the landfill's adjacent residents. Board abatement hearings will commence after SCAQMD staff compiles data for submittal to the Board. Any action taken by the SCAQMD Board should be sent to the City Planning Commission 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 late July, the rumble strip at the exit of Cell CC-3B was full of dirt and positioned so that trucks could drive around it, thereby tracking dirt onto the main access road.

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

Current Status/Comments – In early September, graffiti was seen on the I-14 overpass pillars on Sierra Highway. Graffiti should be reported to the proper authorities.

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

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

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

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

Current Status/Comments – In early July, the flares and the gas-to-energy plant were not monitored.

In late July, the gas-to-energy plant was operating at 100% energy production using 8792 SCFM of recovered landfill gas, 44% methane. Flare 1 – 1993 SCFM; Flare 3 – shut down; Flare 9 – 2706 SCFM; Flare 10 – shut down.

In mid-August, the gas-to-energy plant was operating at approximately 50% energy production using 4758 SCFM of recovered landfill gas, 45% methane. A booster gas compressor was down and repair parts were on order. Flare 1 – 1638 SCFM; Flare 3 – shut down; Flare 9 – 3443 SCFM; Flare 10 – 3433 SCFM.

In mid-September, the gas-to-energy plant was operating at approximately 50% energy production using 4850 SCFM of recovered landfill gas, 47% methane. A booster gas compressor was down and repair parts were on order. Flare 1 – 1629 SCFM; Flare 3 – shut down; Flare 9 – 2293 SCFM; Flare 10 – 2501 SCFM.

In late September, the gas-to-energy plant was operating at 100% energy production using 8064 SCFM of recovered landfill gas, 47% methane. Flare 1 – not monitored; Flare 3 – shut down; Flare 9 – 3193 SCFM; Flare 10 – shut down.

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 3rd Quarter, grading for the Flare 11 site pad will include a new paved emergency access road to the fire roads that connect to Coltrane Road at the I-5 Freeway.

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.

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 3rd 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 outside footprint of the landfill. Also, grading was being done for the development of a site pad for Flare 11. 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 Part 1.

Future, out-of-footprint grading is proposed for a landslide buttress in the area of CC-4 Part 4. Plans are being reviewed by the agencies.

Access roads were being maintained around the working area for emergency access.

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 – During the 3rd Quarter, 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 of slopes or decks was done in 2016. 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 is being done by straw wattles and jute or alternative surface netting.

Soil sealant was not being used during high wind periods to control dust.

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 – In early July, the two old oil well steel casings in the area north of the new office site have been gradually lowered. The soil around them has not yet reached their final elevation. Final lowering of the well casings and permanent abandonment will be done after final grades are reached.

M-4.1.6 / 18 (City)

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

Current Status/Comments – In late September, the landfill perimeter boundary survey PVC pipe markers have been removed in areas where Edison pole grading took place, as well as near the Flare 11 site pad grading. These boundary markers have not been replaced. All markers should be replaced once the CC-3A Part 4 landslide buttress is installed.

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

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

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

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

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

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

a. Sample Probe Installation: One monitoring probe per 1,000 feet or as identified by South Coast Air Quality Management District (SCAQMD) and/or Local Enforcement Agency (LEA) in the landfill expansion, and one probe per 650 feet or as identified by SCAQMD and/or LEA in the City Inactive landfill along the landfill perimeter, or whichever is more restrictive shall be installed to identify potential areas of subsurface landfill gas (LFG) migration. These probes shall be monitored to ensure that quantities of LFG beyond regulatory standards do not vent offsite through subsurface soils.

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

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

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

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

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

Amendment 45.N - 4.a, 4.c, 4.d (County)
Identify and provide status on the measures currently being implemented as required by the AQMD's Order for Abatement.
An odor patrol program, which would include the following at a minimum:
• Provide a trained technician to conduct odor patrols in the surrounding neighborhoods at a frequency of one patrol per hour from 6 a.m. to 10 a.m., Monday through Saturday, and during adverse wind conditions.
• If odor is detected, identify its potential and/or actual source, including those that may not be related to the Landfill's operation, such as an odorous trash dumpster or transfer trucks.
• If odor is determined to be related to the Landfill's operation, take immediate action to reduce the odor. Document the streets patrolled on a map, time of the patrol, potential source of odor, and immediate actions taken by the Landfill.
• A landfill gas mitigation plan in preparation for the next rainy season since landfill gas emissions from either the landfill surface or landfill gas control equipment is cited as a potential contributor in the AQMD's Order for Abatement. The plan should include the following at a minimum:
• Description of the site's current Gas Monitoring and Control Plan, including a map showing locations of gas monitoring probes, gas extraction wells, horizontal and vertical gas collection lines, etc.
• Compliance history of the site's landfill gas migration control program from January 1, 2009, to the present quarter as well as any corrective actions.
• Discuss the impacts of the most recent heavy rains on the landfill gas collection system, including identifying locations of damage due to soil erosion, as well as any corrective actions or mitigation measures.
• A work plan that includes preventive measures, such as identifying and filling any surface cracks and installing additional extraction wells, as well as contingency measures.
• An implementation schedule for the above work plan.

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

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

In early July, the monitor drove the Rancho Cascades and Granada Hills neighborhoods from 6:00 to 7:15 a.m. No landfill odors were detected. A strong, intermittent, localized odor was detected near the main access road below the CC-3A slope. Republic staff stated that the liquids handling system was being expanded.

In late July, the monitor drove the adjacent Rancho Cascades and Granada Hills neighborhoods from 6:00 to 7:00 a.m. A slight landfill working face odor was detected at 6:40 a.m. at Whistler and

Orozco. The Republic staff neighborhood monitor was found near the school and went back to Whistler and Orozco with the monitor at 6:55 a.m., however the odor was gone by then. No landfill odors were detected elsewhere.

In mid-August, the monitor drove the adjacent Granada Hills neighborhood from 6:15 to 7:00 a.m. and detected a slight landfill odor on Timber Ridge. No landfill odors were detected elsewhere. The monitor drove back to the adjacent Granada Hills neighborhood at approximately 7:30 a.m. and detected a slight landfill odor on Timber Ridge. The rest of the neighborhood and the school had no landfill odors detected. The monitor drove the Rancho Cascades neighborhood and did not detect any landfill odors. The monitor drove to the greenwaste facilities on Blucher Avenue, and slight greenwaste odors were detected on Blucher Avenue near the North Hills facility.

In mid-September, the monitor drove the adjacent Granada Hills neighborhood from 6:15 to 6:45 a.m. No landfill odors were detected in the area. Along the access road from Cell CC-3B, there was a landfill gas odor coming from the CC-3A slope. A gas meter confirmed landfill gas emissions near the collection system piping. Republic staff indicated that the gas collection system was being worked on. There was a truck from Cesar R Trucking that the monitor followed into the landfill. This truck had an extremely odorous load. This load was dumped in Cell CC-3A. Republic staff was notified.

In late September, the monitor drove the adjacent Granada Hills neighborhood from 6:30 to 7:30 a.m. The monitor observed the wetted trails of trash liquids on Balboa near Woodley (Lisette on the other side of Balboa) at 7:00 a.m. There was a smell of trash coming off the pavement. The monitor continued to drive the Granada Hills neighborhood and did not detect any landfill odors. There were no odors detected at the greenwaste facilities on Blucher Avenue, nor in the Rancho Cascades neighborhood.

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

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

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

Surface Water - 2.12 (County)

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

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

In early July, drainage control systems were constructed at areas graded for the Edison pole installations.

In mid-August, the terminal basin outlet risers were modified to add skimmers and were wrapped with new filter fabric.

In mid-September, the drainage from Cell CC-3B and the access road box culverts were graded and rebar installed for concrete. The outlet risers had rock placed around the bottom sections and concreted.

In late September, the box culverts and Cell CC-3B drainage had been concreted. Gabion walls were being placed in the terminal basin.

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 – In early July, Basin A had a significant amount of rock and soil that sloughed into the basin from Edison pole construction grading. Basin B had a minor amount of sediment. The terminal basin was almost cleaned of sediment.

In late July, all basins were cleared of the majority of sediment. Basin A still had sloughed soil and rock from pole construction on the southern concrete wall.

In late September, Basin A had sloughed soil and rock removed.

M-4.3.1(46) (City)
A preventive maintenance program would be implemented by the project proponent, including inspection of facility equipment, systems, and stormwater management devices to detect conditions that may cause breakdowns or failures resulting in discharge of materials into stormwater. This program applies to the onsite drainage ditches; rip-rap; berms and dikes; dust control; silt fences; diversion grading; and pavement surfaces. Each system and piece of stationary equipment would be inspected monthly. Procedures for inspection would vary, due to the piece of equipment or system. However, the major elements of the inspection program would include checking for cracks or structural failures, inspecting parts or pieces of equipment nonfunctioning, checking for the degradation or deterioration of operating units, and investigating the need for cleaning or emptying units. A summary report of these monitoring results and the corrective actions taken will be disseminated in each newsletter with a more detailed report on the 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.

In early July, vegetation was growing out of cracks in the terminal basin concrete sidewall. Cracks in the concrete should be repaired.

In late July, spalling of the westside channel concrete sidewalls were noted in multiple locations. The frontage retaining wall and walkway along San Fernando Road had no removal of soils. The oak trees at the top of the slope were still stable, but were lacking soil around their roots. The drainage on top of the wall is non-functional.

In late September, the frontage retaining wall and walkway soil loading condition and drainage had additional sloughing from the hillside. Soil top loading is bulging out the cyclone fence. No maintenance has occurred.

M-4.4.1(60) (City)

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

Biota - 4.27 (County)
Venturan Coastal Sage Scrub: A detailed conceptual mitigation plan shall be prepared by the permittee and shall contain specific information on planting, maintenance, and monitoring. A revegetation plan that includes coastal sage scrub restoration can feasibly occur onsite. The implementation of this plan will provide onsite mitigation greater than 1:1 to offset the loss of coastal sage scrub.

Current Status/Comments – During the 3rd Quarter, the City Deck C sage mitigation was doing well and going through the summer hot/dry cycle. There was normal die-back. The PM-10 oak trees had several dying due to an unknown cause. City Deck A and B sage was doing well and going through summer die-back. No removal of non-natives or maintenance occurred. The County sage mitigation had no activity.

M-4.4.2/69 (City)
Potential candidate mitigation sites have been identified by the project proponent in conjunction with resource agencies for consideration to compensate for impacts on riparian and wetland resources as a result of project development. These sites include Bull Creek, Bee Canyon and East Canyon, which are located proximate to the project site. Prior to the development of any detailed mitigation plans and drawings, the final selection will be determined cooperatively by the CDFW, Corps, SWRCB, and other regulatory agencies in conjunction with the City and project proponent.

Current Status/Comments – The City Attorney, City DWP, and City Recreation and Parks was going to schedule a meeting for July with the Corps of Engineers and Republic to work on finalizing an agreement to use the Chatsworth Reservoir as a wetland mitigation site. As of late August, the result of this meeting is not known.

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

Current Status/Comments – In early July, at San Fernando Road near the I-5 overpass, there was more illegal dumping of waste and construction debris. Dirk, rock, and rubble was dumped on the edge of the roadway. Trash and debris was dumped on the shoulder of the road. This area is beyond Republic's monitoring and clean-up. Republic was going to report this to the City 311 hotline.

In late July, at San Fernando Road near the I-5 overpass, a sizable amount of soil and rock was dumped on the curb and on the pavement safety lane. A couch and other waste was dumped under the overpass. This area is outside of the Republic clean-up area. Republic was going to report this to the City 311 hotline.

In mid-August, the monitor drove to the Rancho Cascades neighborhood and observed that the illegal dumping of waste on the undeveloped property on Nicholas Avenue had increased. The monitor drove to the I-5 overpass on San Fernando Road. There was a mattress, couch, and other construction waste observed. Dirt was illegally disposed of on the road shoulder and pavement. This area is outside of Republic's clean-up area. Republic was going to report this to the City 311 hotline. The monitor observed a mattress, plywood, and waste soil disposed of on the shoulder of Sierra Highway near the I-14 overpass.

In mid-September, the monitor drove to San Fernando Road near the I-5 overpass. The amount of rock and dirt dumped on the shoulder of the road has increased. The amount and extent of trash, furniture, tires, and construction debris has extended 200 feet or more. During the rains, this will cause a roadway hazard. This area is beyond Republic's monitoring and clean-up. Republic was going to report this to the City 311 hotline. At Sierra Highway north of the I-14 overpass, there was dirt and broken concrete dumped on the shoulder of the road. Near the I-14 overpass, there was a sheet of plywood and miscellaneous trash dumped. An I-14 overpass pillar was graffitied. The illegal dumping on Nicholas Avenue in the Rancho Cascades neighborhood had increased.

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 3rd 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 3rd 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 third 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
(07-01-2016 through 09-30-2016)

Line #	Reference #	Mitigation #	City Mitigation Measures and Conditions Monitored by Discipline	Monitoring Frequency	Second Quarter 2016																Third Quarter 2016																					
					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*	7/12/2016	Status*	Further Review Needed/Comments**	Resolved*	7/27/2016	Status*	Further Review Needed/Comments**	Resolved*	8/24/2016	Status*	Further Review Needed/Comments**	Resolved*	9/14/2016	Status*	Further Review Needed/Comments**	Resolved*	9/27/2016	Status*	Further Review Needed/Comments**	Resolved*
1	Project Manager																																							
2																																								
3																																								
4	Q - A.3.		Definitions	info	/				/				/				/				/				/				/				/				/			
5	Q - A.6.		Submit Annual Reports	June yearly	/				/				/				/				/				/				/				/				/			
6	Q - A.10.		Provision of Fees	yearly	/				/				/				/				/				/				/				/				/			
7	Q - B.1.		Permitted/Prohibited Landfill Uses	yearly	/				/				/				/				/				/				/				/				/			
8	Q - B.2		Approval of Landfill	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
9	Q - B.2.c.		Ancillary Uses and Facilities	ongoing	✓	C	I-f		✓	C	I-g		✓	C	I-h		✓	C	I-i		✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-m		✓	C	I-n	
10			Ancillary Uses and Facilities																																						
11	Q - B.2.d (3)		10 Year Phase Review	2015	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
12			10 Year Phase Review																																						
13	Q - B.4.d.		Inert/Exempt Materials	info	/				/				/				/				/				/				/				/				/			
14	Q - B.5.a.		Prohibited Waste	info	/				/				/				/				/				/				/				/				/			
15	Q - B.6.		Waste Diversion	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
16	Q - C.3.g.		Paved Access Roads	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
17	Q - C.3.h.		Surfacing of Access Roads	ongoing	✓	C	NONE		✓	FRN	I-g		✓	C	NONE		✓	FRN	I-i		✓	C	NONE		✓	FRN	I-k		✓	C	NONE	R	✓	C	NONE		✓	C	NONE	
18	Q - C.5.		Graffiti Removal and Deterrence	ongoing	✓	FRN	I-f		✓	C	I-g	R	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
19	Q - C.10.c.		Evaluation of Beneficial Gas Usage	June yearly	✓	C	I-f		✓	C	I-g		✓	C	NONE		✓	C	NONE		✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-m		✓	C	I-n	
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-h						✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-m		✓	FRN	I-n	
27	T - 5.j.		Trip Diversion	status	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
28	T - 6		Satisfactory Street Lighting	status	/				/				/				/				/				/				/				/				/			

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

Sunshine Canyon Landfill City Mitigation Monitoring Summary
(07-01-2016 through 09-30-2016)

Line #	Reference #	Mitigation #	City Mitigation Measures and Conditions Monitored by Discipline	Monitoring Frequency	Second Quarter 2016																Third Quarter 2016																	
					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*	7/12/2016	Status*	Further Review Needed/Comments**	Resolved*	7/27/2016	Status*	Further Review Needed/Comments**	Resolved*	8/24/2016	Status*	Further Review Needed/Comments**	Resolved*	9/14/2016	Status*	Further Review Needed/Comments**	Resolved*	9/27/2016	Status*	Further Review Needed/Comments**	Resolved*
29																																						
30	M - 4.1.1	7	Reabandonment Procedures	status					✓	FRN	I-g		✓	FRN	I-h						✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-m		✓	FRN	I-n	
31	M - 4.1.4	11	Post-5.0 Earthquake Analysis	upon event	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
32	M - 4.2.12	27	Heavy Equipment Operations	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
33	M - 4.2.12		Heavy Equipment Operations	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
34	M - 4.2.12	28	Site Erosion-Cover	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
35	M - 4.2.12		Site Erosion-Cell Height	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
36	M - 4.2.12		Site Erosion-Sealant	ongoing	✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-m		✓	C	I-n	
37	M - 4.2.13	29	LFG Control Measures	ongoing	/		I-f		/		I-g		/		I-h		/		I-i		/		I-j		/		I-k		/		I-l		/		I-m		/		I-n	
38	M - 4.2.13	30	Operational Odor Control Techniques	ongoing	/		I-f		/		I-g		/		I-h		/		I-i		/		I-j		/		I-k		/		I-l		/		I-m		/		I-n	
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-f		/		I-g		/		I-h		/		I-i		/		I-j		/		I-k		/		I-l		/		I-m		/		I-n	
41	M - 4.2.13	33	Odor Control Measures	ongoing	✓	C	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	C	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-m		✓	FRN	I-n	
42	M - 4.2.13	34	Odor/LFG Monitoring	ongoing	/		I-f		/		I-g		/		I-h		/		I-i		/		I-j		/		I-k		/		I-l		/		I-m		/		I-n	
43			Periodic LFG Monitoring		/		I-f		/		I-g		/		I-h		/		I-i		/		I-j		/		I-k		/		I-l		/		I-m		/		I-n	
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-f																						✓	FRN	I-l								
47	M - 4.4.2	70	Purchasing Wetland Credit	status	/				/				/				/				/				/				/				/				/			
48	M - 4.4.2	71	Funding-Invasive Species Eradication Program	status	/				/				/				/				/				/				/				/				/			
49	M - 4.6	85	Site Lighting	status	✓	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	I-f		✓	C	I-g		✓	C	I-h		✓	C	I-i		✓	FRN	C		✓	FRN	C		✓	FRN	I-l		✓	FRN	I-n					
56	M - 4.9.3	111	Radio Dispatch Litter Control	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	

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57	M - 4.9.3	112	Litter Control	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
58	M - 4.9.5	127	Address Concerns of Citizens' Advisory Committee	ongoing	/				/				/				/				/				/				/				/				/			
59	M - 4.9.6	128	Landfill Gas/Collection System-Unsafe Methane Levels Monitoring	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
60	M - 4.9.6	129	Landfill Gas/Collection System-Detection/Training	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
61	M - 4.9.6	130	Landfill Gas/Collection System-Risk Mitigation	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
62	M - 4.16.4	176	Reclaimed Water	status	/				/				/				/				/				/				/				/				/			
63	M - 4.16.4	177	Water Conservation	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
64																																								
82	Civil & Geotechnical Engineer																																							
83																																								
84																																								
85	M - 4.1.1	2	Grading Outside of Conceptual Grading Plan Area	ongoing	✓	C	I-f		✓	C	I-g		✓	C	I-h		✓	C	I-i		✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-m		✓	C	I-n	
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-f		✓	C	I-g		✓	C	I-h		✓	C	I-i		✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-m		✓	C	I-n	
88	M - 4.1.1	5	Grading Activity Compliance	ongoing	✓	C	I-f		✓	C	I-g		✓	C	I-h		✓	C	I-i		✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-m		✓	C	I-n	
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-f		✓	C	I-g		✓	C	I-h		✓	C	I-i		✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-m		✓	C	I-n	
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		✓	FRN	I-m		✓	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	
105	M - 4.14.1	155	Access Roadway Grade	ongoing	✓	C	I-f		✓	C	I-g		✓	C	I-h		✓	C	I-i		✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-m		✓	C	I-n	
106	M - 4.18	178	Landfill Elevation Exceedance	ongoing	✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-m		✓	FRN	I-n	
107																																							
108	Hydrologist																																						
109																																							
110																																							
111	M - 4.1.4	11	Earthquake Operations Checklist	upon event	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
112	M - 4.3.1	36	Surface Water Infiltration Minimization	ongoing																																			
113	M - 4.3.1	37	Surface Drainage Systems	ongoing	✓	FRN	I-f	R	✓	FRN	I-g		✓	FRN	I-h						✓	C	I-j						✓	C	I-l		✓	C	I-m		✓	C	I-n	
114	M - 4.3.1	38	Permanent/Temporary Ditches	ongoing	✓	FRN	I-f	R	✓	FRN	I-g		✓	FRN	I-h						✓	C	I-j						✓	C	I-l		✓	C	I-m		✓	C	I-n	
115	M - 4.3.1	39	Drainage Protection	ongoing	✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h						✓	C	I-j						✓	C	I-l		✓	C	I-m		✓	C	I-n	
116	M - 4.3.1	40	SWRCB Permit Coverage	ongoing	✓	C	I-f		✓	C	I-g		✓	C	I-h		✓	C	I-i		✓	C	I-j						✓	C	I-l		✓	C	I-m		✓	C	I-n	
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-j		✓	FRN	I-k						✓	FRN	I-m	R				
120	M - 4.3.1	44	Final Landfill Cover	ongoing																																			
121	M - 4.3.1	45	Erosion Control Plan	ongoing	✓	C	I-f		✓	C	I-g		✓	C	I-h						✓	C	I-j		✓	C	I-k		✓	C	I-l									
122	M - 4.3.1	46	Preventive Maintenance Program	ongoing	✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h	R	✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-m		✓	FRN	I-n	
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-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-m		✓	C	I-n	
131	M - 4.2.11	23	Revegetation/Excavation	ongoing	✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-m		✓	C	I-n	
132	M - 4.2.12		Temporary Vegetation Cover	ongoing	✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-m		✓	C	I-n	

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133	M - 4.4.1	60	Coastal Sage Scrub Mitigation Plan	ongoing									✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	R	✓	FRN	I-m		✓	FRN	I-n	
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																																			
143	M - 4.4.3	73	Nonnative Tree Mitigation	status	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
144	M - 4.4.3	74	Mitigation Tree Planting	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
145	M - 4.4.3	75	Tree Planting Mitigation Site Prep	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
146	M - 4.4.3	76	Poultry Wire Screen	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
147	M - 4.4.3	77	Backfill Material	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
148	M - 4.4.3	78	Tree Planting Procedure	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
149	M - 4.4.3	79	Tree Area Mulching	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
150	M - 4.4.3	80	Tree Irrigation/Fertilization	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
151	M - 4.4.3	81	Irrigation System	ongoing																																			
152	M - 4.4.3	82	Annual Tree Monitoring Report	annual																																			
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	
168	M - 4.2.11	19	Construction Curtailing due to Pollution	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
169	M - 4.2.11	20	Dust Lofting Minimization	ongoing																																				
170	M - 4.2.11	21	Wind Speed Monitoring	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
171	M - 4.2.11	22	Grading-Dust Reduction	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
172	M - 4.2.12	24	Construction Equipment Maintenance	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
173	M - 4.2.12		Construction Curtailing due to Pollution	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
174	M - 4.2.12	25	Refuse Trucks-Maintenance	ongoing																																				
175	M - 4.2.12		Refuse Trucks-Engine	ongoing																																				
176	M - 4.2.12		Refuse Trucks-Fee Schedule	ongoing																																				
177	M - 4.2.12		Refuse Trucks-Fee Schedule Delivery Time	ongoing																																				
178	M - 4.2.12		Refuse Trucks-Idling	ongoing																																				
179	M - 4.2.12		Refuse Trucks-Emissions	ongoing																																				
180	M - 4.2.12	26	Truck Travel and Fugitive Dust Emissions	ongoing																																				
181	M - 4.2.12		Truck Travel and Fugitive Dust Emissions	ongoing																																				
182	M - 4.2.12		Truck Travel and Fugitive Dust Emissions	ongoing																																				
183	M - 4.2.12		Truck Travel and Fugitive Dust Emissions	ongoing																																				
184	M - 4.5.2	83	Landfill Hours	info	/				/				/				/				/				/				/				/				/			
185	M - 4.5.2	84	Landfill Equipment-Noise Reduction	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
186																																								
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	

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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	
193	M - 4.9.1	90	Refuse Inspection Program	ongoing																																		
194	M - 4.9.1	91	Hazardous Waste Load-Checking	status																																		
195	M - 4.9.1	93	Hazardous Waste Detection Training	status																																		
196	M - 4.9.1	94	Spill Response Program	status																																		
197	M - 4.9.4	115	Safety Inspections/Checklists	ongoing																																		
198	M - 4.9.4	118	Accident/Injury reports, Inspections	status																																		
199	M - 4.9.4	121	Fire Prevention Plan	ongoing																	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-m		✓	FRN	I-n	
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-f		✓	C	I-g		✓	C	I-h		✓	C	I-i		✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-m		✓	C	I-n	
202	M - 4.14.1	147	Fire Response Capabilities	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
203	M - 4.14.1	148	Hydrant Installation	ongoing																																		
204																																						
205	Archaeologist																																					
206																																						
207																																						
208	M - 4.19.1	183	Archaeological Resurvey	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
209	M - 4.19.1	184	Onsite Archaeologist	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
210	M - 4.19.1	185	Archaeological Resources	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
211	M - 4.19.1	186	Archaeological Resources	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
212																																						
213	Paleontologist																																					
214																																						
215																																						
216	M - 4.19.2	187	Paleontological Resources Resurvey	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
217	M - 4.19.2	188	Paleontological Resources Excavation	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
218	M - 4.19.2	189	Paleontological Resources Training	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
219	M - 4.19.2	190	Paleontological Resources Recovery	ongoing																																		
220	M - 4.19.2	191	Paleontological Resources Inspection	ongoing	✓	C	I-f		✓	C	I-g		✓	C	I-h		✓	C	I-i		✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-m		✓	C	I-n	

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1	Project Manager																																						
2																																							
3																																							
4	Amendment 45.N - 1	45N	Daily Cover Materials	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
5	Amendment 45.N - 3	45N	Daily Cover Procedure	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
6	Amendment 45.N - 4.a	45N	Order for Abatement Status	ongoing	/		I-f		/		I-g		/		I-h		/		I-i		/		I-j		/		I-k		/		I-l		/		I-m		/		I-n	
7	Amendment 45.N - 4.c	45N	Odor Patrol Program	ongoing	/		I-f		/		I-g		/		I-h		/		I-i		/		I-j		/		I-k		/		I-l		/		I-m		/		I-n	
8	Amendment 45.N - 4.d	45N	Landfill Gas Mitigation Plan	ongoing	/		I-f		/		I-g		/		I-h		/		I-i		/		I-j		/		I-k		/		I-l		/		I-m		/		I-n	
9	Amendment 45.N - 5	45N	Dust and Odor Reports	ongoing	/		I-f		/		I-g		/		I-h		/		I-i		/		I-j		/		I-k		/		I-l		/		I-m		/		I-n	
10																																							
11	Combined Site & Bridge Area -20.A	20.A	Joint Powers Authority	info	/				/				/				/				/				/				/				/				/			
12	Combined Site & Bridge Area -20.F	20.F	Mitigation Reporting and Monitoring Program Amendment	status	/				/				/				/				/				/				/				/				/			
13	Landfill Capacity - 27	27	Tipping Fees for Partial Loads/Peak Hours	status																																				
14	Grading & Drainage-41.A -.D	41A-D	Water Conservation	status	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
15	Revegetation - 44.F	44.F	Revegetation	status	✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
16	Fugitive Dust - 45.B	45.B	Working Face Areas	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
17	Fugitive Dust - 45.F	45.F	Inactive Areas Monitoring	ongoing	✓	C	NONE		✓	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		✓	C	NONE	
19	Litter Control - 46.A - .D	46A-D	Litter Control Program	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
20	Gas - 52	52	Landfill Gas Collection System	ongoing	✓	C	I-f		✓	C	I-g		✓	C	I-h		✓	C	I-i		✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-m		✓	C	I-n	
21	Traffic - 57	57	Traffic Improvements	status	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
22	Traffic - 60	60	Street Light Installation	status	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
23	Traffic - 61	61	Traffic Minimization	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
24	Permittee Fees - 64 - 72	64-72	Permittee Fees	info	/				/				/				/				/				/				/				/				/			
25	Permittee Fees - 69	69	Permittee Fees-Contributions	info	/				/				/				/				/				/				/				/				/			
26	Permittee Fees - 70	70	Permittee Fees	info	/				/				/				/				/				/				/				/				/			
27	Permittee Fees - 72	72	Permittee Fees	info	/				/				/				/				/				/				/				/				/			
28	Alternative Fuel Vehicles - 77.A	77.A	Alternative Fuel Vehicles-Light Duty	status	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
29	Alternative Fuel Vehicles - 77.B	77.B	Alternative Fuel Vehicles-Refuse/Collection Trucks	status	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
30	Alternative Fuel Vehicles - 77.C	77.C	Alternative Fuel Vehicles-Report	status																																				

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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-f		✓	FRN	I-g		✓	FRN	I-h	R	✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	R	✓	FRN	I-m		✓	FRN	I-n	
47	Groundwater - 3.13		Groundwater-LFG Migration Mitigation	ongoing																																					
48	Groundwater - 3.14		Groundwater-Monitoring Wells	ongoing																																					
49	BIOTA – 4.05		Annual Fee Submission for SEA Studies	status	/				/				/				/				/				/				/				/				/				
50	BIOTA – 4.06		Buffer Zone Maintenance as Nature Preserve	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
51	BIOTA – 4.07		Buffer Zone Maintenance-Vegetation	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
52	BIOTA – 4.08		Ridgeline Maintenance-Remain Undisturbed	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
53	BIOTA – 4.47		Cleaning of Equipment	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
54	BIOTA – 4.48		Monitoring of Vector-Attracting Items	ongoing																																					
55	BIOTA – 4.49		Salvaged Material Storage-Vector Control	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
56	BIOTA – 4.50		Vector Activity Monitoring	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
57	Air Quality - 6.03		Dust Emission Minimization	ongoing																	✓	C	NONE		✓	FRN	I-k		✓	C	NONE		✓	C	NONE		✓	C	NONE	
58	Air Quality - 6.04		Usage of Cut Material for Cover	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
59	Air Quality - 6.05		Operations in Accordance with SCAQMD/DOPW Requirements	info	/				/				/				/				/				/				/				/				/				

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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	
65	Air Quality - 6.11		Alternative Fuel Refuse Collection/Transfer Trucks	status																																				
66	Air Quality - 6.11		Alternative Fuel Vehicle Report Submission	status																																				
67	Air Quality - 6.11		Heavy-duty, Alternative Fuel Off-Road Equipment Pilot Program	status																																				
68	Air Quality - 6.11		Non-Diesel, Alternative Fuel Vehicles-Transfer/Collection Trucks	status																																				
69	Air Quality - 6.11		Non-Diesel, Alternative Fuel Vehicles Truck Trips	status																																				
70	Air Quality - 6.11		Clean Fuel Demonstration Program	status																																				
71	Air Quality - 6.11		Compliance Evaluation	status																																				
72	Odor/Landfill Gas – 7.01		Landfill Gas Escape Prevention	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
73	Odor/Landfill Gas – 7.02		Landfill Gas Collection System	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
74	Odor/Landfill Gas – 7.04		Gas Collection/Flare System Risk Mitigation	ongoing																																				
75	Odor/Landfill Gas – 7.05		Wellhead Awareness	status	✓	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-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	C	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-m		✓	FRN	I-n	
77	Odor/Landfill Gas – 7.07		Gas Recovery and Sale	status	✓	C	I-f		✓	C	I-g		✓	C	I-h		✓	C	I-i		✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-m		✓	C	I-n	
78	Traffic/Circulation – 8.03		Street Light Installation	status	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
79	Traffic/Circulation – 8.04		Truck Traffic Minimization	status																																				
80	Traffic/Circulation – 8.08		Tipping Fees for Partial Loads/Peak Hours	status																																				
81	Traffic/Circulation – 8.10		Nighttime Landfill Operations Feasibility	status	/				/				/				/				/				/				/				/				/			
82	Traffic/Circulation – 8.11		Parking Management along San Fernando Road	status	/				/				/				/				/				/				/				/				/			
83	Traffic/Circulation – 8.13		Adequate Queuing	status																																				
84	Visual – 10.03		Landfill Flare Locations	status	/				/				/				/				/				/				/				/				/			
85	Visual – 10.04		Confinement of Excavation Cover Material	status																																				
86	Visual – 10.05		Lighting Requirements	status																																				
87	Visual – 10.11		Litter Control Program	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
88	Visual – 10.11		Solid Waste Load Procedures-Improperly Covered/Contained	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	

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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		✓	C	NONE	
90	Visual – 10.11		Litter Control-Fencing	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
91	Visual – 10.11		Periodic Litter Pickup	ongoing	✓	C	NONE		✓	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		✓	C	NONE	
95	Recycling - 14.01		On-site Waste Diversion/Recycling	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
96	Recycling - 14.03		Tonnage Disposal Determination	info	/				/				/				/				/				/				/				/				/			
97	Recycling - 14.04		Recycling-Various Tasks	info	/				/				/				/				/				/				/				/				/			
98			Clean Dirt Procedures																																				
99	Site - 15.11		Reclaimed Water Utilization	status	/				/				/				/				/				/				/				/				/			
100	Site - 15.12		Water Conservation Measures	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
101	Admin Rpts/Pgms - 17.4		Operation Compliance	info	/				/				/				/				/				/				/				/				/			
102	Admin Rpts/Pgms -17.10		Fill Sequencing Plans	status																																		
103	Admin Rpts/Pgms-17.15		Quarterly Newsletter	status																																		
104	Landfill Operation - 18.7		Graffiti Removal/Deterrent Plan	ongoing	✓	FRN	I-f		✓	C	I-g	R	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
122																																						
123	Civil & Geotechnical Engineer																																					
124																																						
125																																						
126	Revegetation - 44.C	44.C	Cut Slope Requirements	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
127																																						
128	Geology - 1.01		Survey Monument Locations	ongoing																																		
129	Geology - 1.02		Seismic Design	ongoing																																		
130	Geology - 1.03		Maximum Refuse Slope Gradients	ongoing																																		
131	Geology - 1.04		Maximum Refuse Slope Gradients	ongoing																																		
132	Geology - 1.05		Unsuitable Material Procedures	ongoing																																		
133	Geology - 1.06		Grading Activities Procedures	ongoing																																		
134	Geology - 1.07		Grading Activities Procedures	ongoing	✓	C	I-f		✓	C	I-g		✓	C	I-h		✓	C	I-i		✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-m		✓	C	I-n	
135	Geology - 1.09		Outer Perimeter Ridgeline Requirements	info																																		
136	Geology - 1.12		Soil Stabilization	ongoing	✓	C	I-f		✓	C	I-g		✓	C	I-h		✓	C	I-i		✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-m		✓	C	I-n	

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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-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-m		✓	C	I-n	
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-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-m		✓	C	I-n	
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																	✓	FRN	I-j		✓	FRN	I-k						✓	FRN	I-m					
164	Surface Water - 2.11		Surface Water Quality-Collection/Monitoring	ongoing																																		
165	Surface Water - 2.12		Permanent/Temporary Drainage Facilities	ongoing	✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h						✓	C	NONE						✓	C	NONE		✓	C	NONE		✓	C	NONE	
166	Surface Water - 2.13		Permanent/Temporary Drainage Facilities	ongoing																																		
167	Surface Water - 2.14		Erosion Control Plan	ongoing	✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h						✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-m		✓	FRN	I-n	

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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-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-m		✓	C	I-n	
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-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-m		✓	C	I-n	
181	Geology - 1.14		Personnel Retention for Monitoring Soil Erosion	ongoing	✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-m		✓	C	I-n	
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-h		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	I-l		✓	C	NONE		✓	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-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	R	✓	FRN	I-m		✓	FRN	I-n	
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-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-m		✓	C	I-n	
202	BIOTA – 4.43		Replacement Riparian Habitat	status													✓	FRN	I-i										✓	FRN	I-l								
203	Air Quality - 6.02		Dust Control	ongoing	✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-m		✓	C	I-n	
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-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-m		✓	C	I-n	
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																	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
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
(07-01-2016 through 09-30-2016)

Line #	Reference #	Mitigation #	County Mitigation Measures and Conditions Monitored by Discipline	Monitoring Frequency	Second Quarter 2016																Third Quarter 2016																	
					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*	7/12/2016	Status*	Further Review Needed/Comments**	Resolved*	7/27/2016	Status*	Further Review Needed/Comments**	Resolved*	8/24/2016	Status*	Further Review Needed/Comments**	Resolved*	9/14/2016	Status*	Further Review Needed/Comments**	Resolved*	9/27/2016	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-h						✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	R	✓	FRN	I-m		✓	FRN	I-n	
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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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-f		✓	C	I-g		✓	C	I-h		✓	C	I-i		✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-m		✓	C	I-n	
276	IMP - Part VII.B	IMP7	Archaeological/Paleontological Report Submission	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
277	Archaeological – 5.01		Archaeological Resurvey	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
278	Archaeological – 5.02		Onsite Archaeologist	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
279	Archaeological – 5.03		Onsite Paleontologist	ongoing	✓	C	I-f		✓	C	I-g		✓	C	I-h		✓	C	I-i		✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-m		✓	C	I-n	
280	Archaeological – 5.04		Archaeological/Paleontological Identification Instruction	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
281	Archaeological – 5.05		Archaeological Resource Curation	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
282																																							
283	Paleontologist																																						
284																																							
285																																							
286	Ecological Significance - 62	62	Archaeological/Paleontological -Material Identification/Conservation	ongoing	✓	C	I-f		✓	C	I-g		✓	C	I-h		✓	C	I-i		✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-m		✓	C	I-n	
287	IMP - Part VII.B	IMP7	Archaeological/Paleontological-Report Submission	ongoing																																				

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Appendix I
Further Review Needed Comments: Reference I-j through I-n
Third 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	I-j: The new Edison poles and wire installation was completed. Erosion control protection, straw wattles, and hydroseeded mulch were in place at all graded areas. The drainage channel (corrugated steel pipe) from Edison's pad #38 poses an attractive nuisance hazard. Edison should install a safety barrier. Once all Edison activity is completed, as-built drawings should be provided to verify the actual limits of grading. Cells CC-3A and CC-3B were both active and accepting waste. ADC was being used in both areas. Scrapers were moving dirt from the future Cell CC-4 Part 1 area and stockpiling soil in the future Cell CC-4 Part 5 area. I-k: Cell CC-3A and CC-3B were both operational and were using ADC. Cell CC-4 Part 1 was having dirt removed and stockpiled. I-l: The edge of the existing liner was uncovered on the west side of Cell CC-3A but could not be located on the north side of the Cell CC-4 Part 1 area. Excavation of old waste was underway to locate the existing liner. Cell CC-3A and CC-3B were both operational and using ADC. I-m: Excavation of old waste was continuing on the north side of Cell CC-4 to locate the edge of the existing liner. Cells CC-3A and CC-3B were being used for disposal, with the majority being placed in CC-3B. ADC was being used at both disposal areas. I-n: Cells CC-3A and CC-3B were being used for disposal. ADC was being used at both areas. The edge of the existing liner north of CC-4A Part 1 was not yet found. The excavation of old waste was still underway to get to the tie-in elevation.
		Geology - 1.07	County DPW EPD/SCL-LEA	I-j, I-k, I-l, I-m, and I-n: See Q – B.2.c above.
		Geology - 1.12	County DPW EPD/SCL-LEA	I-j, I-k, I-l, I-m, and I-n: See Q – B.2.c above.
	Q - C.3.h		City Planning	I-k: The rumble strip at the exit of Cell CC-3B was full of dirt and positioned so that trucks could drive around it, thereby tracking dirt onto the main access road.
		Air Quality - 6.03	County Planning/SCAQMD SCL-LEA	I-k: See Q - C.3.h above.
	Q - C.10.c		City Planning	I-j: The flares and the gas-to-energy plant were not monitored. I-k: The gas-to-energy plant was operating at 100% energy production using 8792 SCFM of recovered landfill gas, 44% methane. Flare 1 - 1993 SCFM; Flare 3 - shut down; Flare 9 - 2706 SCFM; Flare 10 - shut down. I-l: The gas-to-energy plant was operating at approximately 50% energy production using 4758 SCFM of recovered landfill gas, 45% methane. A booster gas compressor was down and repair parts were on order. Flare 1 - 1638 SCFM; Flare 3 - shut down; Flare 9 - 3443 SCFM; Flare 10 - 3433 SCFM. I-m: The gas-to-energy plant was operating at approximately 50% energy production using 4850 SCFM of recovered landfill gas, 47% methane. A booster gas compressor was down and repair parts were on order. Flare 1 - 1629 SCFM; Flare 3 - shut down; Flare 9 - 2293 SCFM; Flare 10 - 2501 SCFM. I-n: The gas-to-energy plant was operating at 100% energy production using 8064 SCFM of recovered landfill gas, 47% methane. Flare 1 - not monitored; Flare 3 - shut down; Flare 9 - 3193 SCFM; Flare 10 - shut down.
		Odor/Landfill Gas - 7.07	County Planning/SCAQMD SCL-LEA	I-j, I-k, I-l, I-m, and I-n: See Q - C.10.c above.

Discipline	City Condition Reference # / Mitigation #	County Condition Reference #/ Mitigation #	Responsible Agency	Further Review Needed – Comments
Project Manager		Gas - 52	County DPW EPD/SCL-LEA County Forester Fire Warden	I-j, I-k, I-l, I-m, and I-n: See Q - C.10.c above.
	T-4		City Planning, City Fire Department	I-j through I-n: The grading for the Flare 11 site pad will include a new paved emergency access road to the fire roads that connect to Coltrane Road at the I-5 Freeway. 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-j through I-n: See T-4 above.
	M - 4.1.1 / 7		City Planning, DOGGR	I-j: The two old oil well steel casings in the area north of the new office site have been gradually lowered. The soil around them has not yet reached their final elevation. 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-j: See M - 4.1.1 / 7 above.
	M - 4.2.12 / 28		City Planning/SCAQMD	I-j through I-n: 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 of slopes or decks was done in 2016. 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 is being done by straw wattles and jute or alternative surface netting. Soil sealant was not being used during high wind periods to control dust.
		Fugitive Dust - 45.F	County DPH/County LEA County DPW-EPD County Biologist	I-j through I-n: See M - 4.2.12 / 28 above.
	M -4.2.13/ 29, 30, 32, 34		City Planning/SCL-LEA/SCAQMD	I-j through I-n: 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-j through I-n: See M -4.2.13/ 29, 30, 32, 34 above.
		Amendment 45.N-5	County DPW-EPD	I-j through I-n: 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	I-j: The monitor drove the Rancho Cascades and Granada Hills neighborhoods from 6:00 to 7:15 a.m. No landfill odors were detected. A strong, intermittent, localized odor was detected near the main access road below the CC-3A slope. Republic staff stated that the liquids handling system was being expanded. I-k: The monitor drove the adjacent Rancho Cascades and Granada Hills neighborhoods from 6:00 to 7:00 a.m. A slight landfill working face odor was detected at 6:40 a.m. at Whistler and Orozco. The Republic staff neighborhood monitor was found near the school and went back to Whistler and Orozco with the monitor at 6:55 a.m., however the odor was gone by then. No landfill odors were detected elsewhere. I-l: The monitor drove the adjacent Granada Hills neighborhood from 6:15 to 7:00 a.m. and detected a slight landfill odor on Timber Ridge. No landfill odors were detected elsewhere. The monitor drove back to the adjacent Granada Hills neighborhood at approximately 7:30 a.m. and detected a slight landfill odor on Timber Ridge. The rest of the neighborhood and the school had no landfill odors detected. The monitor drove the Rancho Cascades neighborhood and did not detect any landfill odors. The monitor drove to the greenwaste facilities on Blucher Avenue, and slight greenwaste odors were detected on Blucher Avenue near the North Hills facility. I-m: The monitor drove the adjacent Granada Hills neighborhood from 6:15 to 6:45 a.m. No landfill odors were detected in the area. Along the access road from Cell CC-3B, there was a landfill gas odor coming from the CC-3A slope. A gas meter confirmed landfill gas emissions near the collection system piping. Republic staff indicated that the gas collection system was being worked on. There was a truck from Cesar R Trucking that the monitor followed into the landfill. This truck had an extremely odorous load. This load was dumped in Cell CC-3A. Republic staff was notified. I-n: The monitor drove the adjacent Granada Hills neighborhood from 6:30 to 7:30 a.m. The monitor observed the wetted trails of trash liquids on Balboa near Woodley (Lisette on the other side of Balboa) at 7:00 a.m. There was a smell of trash coming off the pavement. The monitor continued to drive the Granada Hills neighborhood and did not detect any landfill odors. There were no odors detected at the greenwaste facilities on Blucher Avenue, nor in the Rancho Cascades neighborhood.
		Odor/Landfill Gas - 7.06	County DPW-EPD/SCL-LEA/SCAQMD	I-j through I-n: See M-4.2.13/33 above.
		Amendment 45.N - 4.a, 4.c, 4.d	County DPW-EPD	I-j through I-n: See M-4.2.13/29, 30, 32, 33, and 34 above.
		Amendment 45.N - 5	County DPW-EPD	I-j through I-n: See M-4.2.13/29, 30, 32, 33, and 34 above.

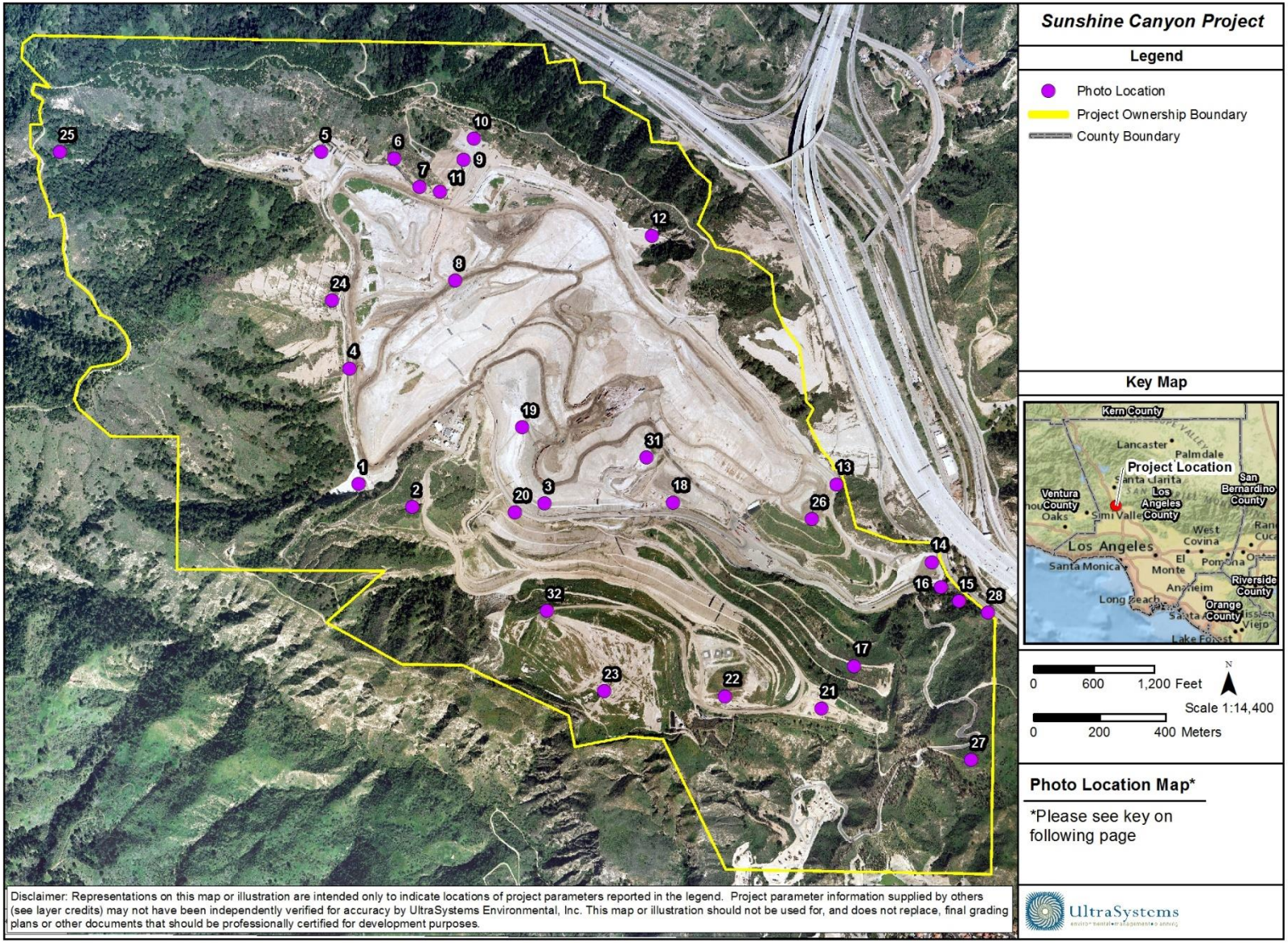
Discipline	City Condition Reference # / Mitigation #	County Condition Reference #/ Mitigation #	Responsible Agency	Further Review Needed – Comments
Project Manager		Surface Water - 2.15	County DPW EPD/ LARWQCB, SCL- LEA	I-j through I-n: A preventative maintenance program with inspection of facility equipment, 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. I-j: Vegetation was growing out of cracks in the terminal basin concrete sidewall. Cracks in the concrete should be repaired. I-k: Spalling of the westside channel concrete sidewalls were noted in multiple locations. The frontage retaining wall and walkway along San Fernando Road had no removal of soils. The oak trees at the top of the slope were still stable, but were lacking soil around their roots. The drainage on top of the wall is non-functional. I-n: The frontage retaining wall and walkway soil loading condition and drainage has had additional sloughing from the hillside. Soil top loading is bulging out the cyclone fence. No maintenance has occurred.
	M - 4.4.2/69		City Planning	I-l: The City Attorney, City DWP, and City Recreation and Parks was going to schedule a meeting for July with the Corps of Engineers and Republic to work on finalizing an agreement to use the Chatsworth Reservoir as a wetland mitigation site. The result of this meeting is not known.
		Biota - 4.4.3	CDFW	I-l: See M - 4.4.2 / 69 above.
	M - 4.9.3 / 110		City Planning/City LEA	I-j: At San Fernando Road near the I-5 overpass, there was more illegal dumping of waste and construction debris. Dirk, rock, and rubble was dumped on the edge of the roadway. Trash and debris was dumped on the shoulder of the road. This area is beyond Republic's monitoring and clean-up. Republic was going to report this to the City 311 hotline. I-k: At San Fernando Road near the I-5 overpass, a sizable amount of soil and rock was dumped on the curb and on the pavement safety lane. A couch and other waste was dumped under he overpass. This area is outside of the Republic clean-up area. Republic was going to report this to the City 311 hotline. I-l: The monitor drove to the Rancho Cascades neighborhood and observed that the illegal dumping of waste on the undeveloped property on Nicholas Avenue had increased. The monitor drove to the I-5 overpass on San Fernando Road. There was a mattress, couch, and other construction waste observed. Dirt was illegally disposed of on the road shoulder and pavement. This area is outside of Republic's clean-up area. Republic was going to report this to the City 311 hotline. The monitor observed a mattress, plywood, and waste soil disposed of on the shoulder of Sierra Highway near the I-14 overpass. I-m: The monitor drove to San Fernando Road near the I-5 overpass. The amount of rock and dirt dumped on the shoulder of the road has increased. The amount and extent of trash, furniture, tires, and construction debris has extended 200 feet or more. During the rains, this will cause a roadway hazard. This area is beyond Republic's monitoring and clean-up. Republic was going to report this to the City 311 hotline. At Sierra Highway north of the I-14 overpass, there was dirt and broken concrete dumped on the shoulder of the road. Near the I-14 overpass, there was a sheet of plywood and miscellaneous trash dumped. A I-14 overpass pillar was graffitied. The illegal dumping on Nicholas Avenue in the Rancho Cascades neighborhood had increased.

Discipline	City Condition Reference # / Mitigation #	County Condition Reference #/ Mitigation #	Responsible Agency	Further Review Needed – Comments
Civil and Geotechnical Engineer	M - 4.1.1 / 2		City Building and Safety City Planning	I-j through I-n: See M - 4.1.1 / 5 below.
	M - 4.1.1 / 4		City Planning/LARWQCB Cal Recycle	I-j through I-n: See M - 4.1.1 / 5 below.
	M - 4.1.1 / 5		City Planning/ LARWQCB Cal Recycle	I-j through I-n: 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. Also, grading was being done for the development of a site pad for Flare 11. 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 Part 1. Future, out-of-footprint grading is proposed for a landslide buttress in the area of CC-4 Part 4. Plans are being reviewed by the agencies.
		Geology - 1.07	County DPW EPD/ County LEA	I-j through I-n: See M - 4.1.1 / 5 above.
	M - 4.1.5 / 12		City Planning/LARWQCB Cal Recycle	I-j through I-n: See M - 4.1.1 / 5 above.
	M - 4.1.6 / 18			I-m: The landfill perimeter boundary survey PVC pipe markers have been removed in areas where Edison pole grading took place, as well as near the Flare 11 site pad grading. These boundary markers have not been replaced. All markers should be replaced once the CC-3A Part 4 landslide buttress is installed.
	M - 4.14.1 / 155		City Planning/Cal Recycle PW-BOE LADBS City LEA	I-j through I-n: Access roads are being maintained around the working area for emergency access.
	M - 4.18 / 178		City Planning/City LEA	I-j through I-n: 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.
Hydrologist	M - 4.3.1/ 37, 38		City Planning/ LARWQCB CalRecycle SCL-LEA PW-BOE	I-j: Drainage control systems were constructed at areas graded for the Edison pole installations. I-l: The terminal basin outlet risers were modified to add skimmers and were wrapped with new filter fabric. I-m: The drainage from Cell CC-3B and the access road box culverts were graded and rebar installed for concrete. The outlet risers had rock placed around the bottom sections and concreted. I-n: The box culverts and Cell CC-3B drainage had been concreted. Gabions were being placed in the terminal basin.
		Surface Water - 2.12	County DPW EPD/ LARWQCB SCL-LEA	I-j, I-l, I-m, and I-n: See M - 4.3.1/ 37, 38 above.
	M - 4.3.1 / 39		City Planning/LARWQCB Cal Recycle	I-j, I-l, I-m, and I-n: See M - 4.3.1/ 37, 38 above.

Discipline	City Condition Reference # / Mitigation #	County Condition Reference #/ Mitigation #	Responsible Agency	Further Review Needed – Comments
Hydrologist	M - 4.3.1 / 40		City Planning/ LARWQCB CalRecycle SCL-LEA PW-BOE LADBS	I-j, I-l, I-m, and I-n: See M - 4.3.1/ 37, 38 above.
	M - 4.3.1 / 43		City Planning/ LARWQCB CalRecycle SCL-LEA PW-BOE	I-j: Basin A had a significant amount of rock and soil that sloughed into the basin from Edison pole construction grading. Basin B had a minor amount of sediment. The terminal basin was almost cleaned of sediment. I-k: All basins were cleared of the majority of sediment. Basin A still had sloughed soil and rock from pole construction on the southern concrete wall. I-m: Basin A had sloughed soil and rock removed.
		Surface Water - 2.10	LARWQCB / County DPW EPD	I-j, I-k, and I-m: See M - 4.3.1 / 43 above.
		Surface Water - 2.14	LARWQCB / County DPW EPD	I-j, I-k, and I-m: See M - 4.3.1 / 43 above. The current erosion control plans should be available for agency and monitor review.
	M - 4.3.1 / 45		City Planning/ LARWQCB CalRecycle SCL-LEA PW-BOE LADBS	I-j, I-k, and I-m: Surface Water - 2.14 above.
	M - 4.3.1/ 46		City Planning/ LARWQCB CalRecycle PW-BOE	I-j. I-k, and I-n: See 2.15 above.
Biologist	M - 4.1.1 / 6		City Planning/ LARWQCB CalRecycle SCL-LEA LADBS	I-j through I-n: See M - 4.2.12 / 28 above.
		Geology - 1.14	LARWQCB/ County Forester	I-j through I-n: See M - 4.2.12 / 28 above.
	M - 4.2.11 / 23		City Planning	I-j through I-n: See M - 4.2.12 / 28 above.
		Geology - 1.13	County DPW EPD/ County Forester LARWQCB	I-j through I-n: See M - 4.2.12 / 28 above.
	M - 4.2.12		SCL-LEA/ City Planning	I-j through I-n: See M - 4.2.12 / 28 above.
		Revegetation - 44.A	SCL-LEA/ County DPW EPD Regional Planning County Biologist	I-j through I-n: See M - 4.2.12 / 28 above.

Discipline	City Condition Reference # / Mitigation #	County Condition Reference #/ Mitigation #	Responsible Agency	Further Review Needed – Comments
Biologist		Revegetation - 44.F	SCL-LEA/ County DPW EPD Regional Planning County Biologist	I-j through I-n: See M - 4.2.12 / 28 above.
		Biota - 4.42	SCL-LEA	I-j through I-n: See M - 4.2.12 / 28 above.
		Air Quality - 6.02	SCAQMD/ SCL-LEA	I-j through I-n: See M - 4.2.12 / 28 above.
		Visual - 10.08	County Forester	I-j through I-n: See M - 4.2.12 / 28 above.
	M - 4.4.1 / 60		City Planning	I-j through I-n: The City Deck C sage mitigation was doing well and going through the summer hot/dry cycle. There was normal die-back. The PM-10 oak trees had several dying due to an unknown cause. City Deck A and B sage was doing well and going through summer die-back. No removal of non-natives or maintenance occurred. The County sage mitigation had no activity.
		Biota - 4.27	County LEA/CDFW	I-j through I-n: See M - 4.4.1 / 60 above.
	M - 4.9.4 / 121		City Planning/Cal Recycle Cal OSHA LAFD City LEA	I-j through I-n: See T-4 above.
	M-4.9.4/125		City Planning/ CalRecycle Cal OSHA SCL-LEA	I-j through I-n: Throughout the 3rd Quarter 2016, the south perimeter oil field gate was observed to be locked.
Paleontologist	M-4.19.2/191		City Planning	I-j through I-n: 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-j through I-n: See M-4.19.2/191 above.

Appendix II
Relevant Site Photos



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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	1–39
2.	Site Grading South of Basin A	40–42
3.	City Lined Drainage Lift Area	–
4.	Westside Drainage Channel	43–48
5.	Basin D Area	49–54
6.	Basin D Outlet Channel	–
7.	Edison Power Pole Construction Sites	55–69
8.	County Top Deck	70–107
9.	Flares 8–11	108–116
10.	Gas-to-Energy Facility	–
11.	Flares 8–11 Adjacent Hillsides	117–128
12.	Basin B Area	129–140
13.	Eastside Drainage Channel	–
14.	Terminal Basin	141–216
15.	Sewer and Gray Water Area	217–221
16.	Leachate Treatment Facility	222–228
17.	Realigned Access Road	–
18.	Cell CC3B Area	229–249
19.	Cell CC3A and Cell CC4A Area	250–269
20.	Truck Scale and Office Facilities Area	270–282, 335–343
21.	City Sage Mitigation – Deck C, and City PM-10 Tree Mitigation	283–303, 351–364
22.	City Sage Mitigation – Deck B	304–310
23.	City Sage Mitigation – Deck A	311–321
24.	County Sage Mitigation Area	322–334
25.	Big Cone Fir Mitigation	–
26.	Old City North	–
27.	Oak Tree Mitigation in Buffer Area	–
28.	San Fernando Road Frontage	365–380
29.	Offsite Illegal Dumping	381–427
30.	Offsite Greenwaste Odor Sources	428–433
31.	Site Working Area	434–514
32.	General Site Area	344–364, 515–613

Photo 1: Basin A: July 12, 2016

Photo 2: Basin A: July 12, 2016

Photo 3: Basin A: July 12, 2016

Photo 4: Basin A: July 12, 2016

Photo 5: Basin A: July 12, 2016

Photo 6: Basin A: July 12, 2016

Photo 7: Basin A: July 12, 2016

Photo 8: Basin A: July 12, 2016

Photo 9: Basin A: July 12, 2016

Photo 10: Basin A: July 12, 2016

Photo 11: D-6 Leaking Oil near Basin A: July 12, 2016

Photo 12: Basin A: July 27, 2016

Photo 13: Basin A: July 27, 2016

Photo 14: Basin A: July 27, 2016

Photo 15: Basin A: July 27, 2016

Photo 16: Basin A: July 27, 2016

Photo 17: Basin A: July 27, 2016

Photo 18: Basin A: July 27, 2016

Photo 19: Basin A Outlet: July 27, 2016

Photo 20: Basin A Outlet: July 27, 2016

Photo 21: Basin A: September 14, 2016

Photo 22: Basin A: September 14, 2016

Photo 23: Basin A: September 14, 2016

Photo 24: Basin A: September 14, 2016

Photo 25: Basin A: September 14, 2016

Photo 26: Basin A: September 14, 2016

Photo 27: Basin A: September 14, 2016

Photo 28: Basin A: September 14, 2016

Photo 29: Basin A: September 14, 2016

Photo 30: Basin A Litter & Trash: September 14, 2016

Photo 31: Basin A Litter & Trash: September 14, 2016

Photo 32: Basin A Litter & Trash: September 14, 2016

Photo 33: Basin A Inlet: September 27, 2016

Photo 34: Basin A Outlet: September 27, 2016

Photo 35: Basin A: September 27, 2016

Photo 36: Basin A: September 27, 2016

Photo 37: Scraper Dust near Basin A: September 27, 2016

Photo 38: Scraper Dust near Basin A: September 27, 2016

Photo 39: Scraper Dust near Basin A: September 27, 2016

Photo 40: Grading South of Basin A: July 12, 2016

Photo 41: Grading South of Basin A: July 12, 2016

Photo 42: Grading South of Basin A: July 12, 2016

Photo 43: Westside Drainage: July 27, 2016

Photo 44: Westside Drainage: July 27, 2016

Photo 45: Westside Drainage: July 27, 2016

Photo 46: Westside Drainage: July 27, 2016

Photo 47: Westside Drainage: July 27, 2016

Photo 48: Westside Drainage: July 27, 2016

Photo 49: Basin D: September 14, 2016

Photo 50: Basin D: September 14, 2016

Photo 51: Basin D: September 14, 2016

Photo 52: Basin D Hillside Inlet: September 14, 2016

Photo 53: Waste Adjacent to Basin D: September 14, 2016

Photo 54: Waste Adjacent to Basin D: September 14, 2016

Photo 55: Access Road to Flare 3 near Edison 15: July 12, 2016

Photo 56: Access Road to Flare 3 near Edison 15: July 12, 2016

Photo 57: Access Road to Flare 3 near Edison 15: July 12, 2016

Photo 58: Edison Pole Installation on County Slope: July 27, 2016

Photo 59: Edison Pole Installation on County Slope: July 27, 2016

Photo 60: Edison Pole Installation on County Slope: July 27, 2016

Photo 61: Edison Pole Installation on County Slope: July 27, 2016

Photo 62: Edison Pole Installation on County Slope: July 27, 2016

Photo 63: Edison Pole Installation on County Slope: July 27, 2016

Photo 64: Edison Pole Installation on County Slope: July 27, 2016

Photo 65: Edison Pole Installation on County Slope: July 27, 2016

Photo 66: Edison Pole Installation on County Slope: July 27, 2016

Photo 67: Edison Drainage Hazard: July 12, 2016

Photo 68: Edison Unprotected Drainage Hazard at pole 38: September 14, 2016

Photo 69: Edison Unprotected Drainage Hazard at pole 38: September 14, 2016

Photo 70: County Top Deck: July 27, 2016

Photo 71: County Top Deck: July 27, 2016

Photo 72: County Top Deck: July 27, 2016

Photo 73: County Top Deck: July 27, 2016

Photo 74: County Top Deck: July 27, 2016

Photo 75: County Top Deck: July 27, 2016

Photo 76: County Top Deck: July 27, 2016

Photo 77: County Top Deck: July 27, 2016

Photo 78: County Top Deck: July 27, 2016

Photo 79: County Top Deck: July 27, 2016

Photo 80: County Top Deck Blowing Dust: July 27, 2016

Photo 81: County Top Deck Blowing Dust: July 27, 2016

Photo 82: County Top Deck Blowing Dust: July 27, 2016

Photo 83: County Top Deck: August 24, 2016

Photo 84: County Top Deck: August 24, 2016

Photo 85: County Top Deck: August 24, 2016

Photo 86: County Top Deck: August 24, 2016

Photo 87: County Top Deck: August 24, 2016

Photo 88: County Top Deck Blowing Dust: August 24, 2016

Photo 89: County Top Deck Blowing Dust: August 24, 2016

Photo 90: County Top Deck Blowing Dust: August 24, 2016

Photo 91: County Top Deck Blowing Dust: August 24, 2016

Photo 92: County Top Deck: September 14, 2016

Photo 93: County Top Deck: September 14, 2016

Photo 94 County Top Deck: September 14, 2016

Photo 95: County Top Deck: September 14, 2016

Photo 96: County Top Deck: September 14, 2016

Photo 97: County Top Deck: September 14, 2016

Photo 98: County Top Deck: September 14, 2016

Photo 99: County Top Deck: September 14, 2016

Photo 100: County Top Deck: September 14, 2016

Photo 101: County Top Deck: September 27, 2016

Photo 102: County Top Deck: September 27, 2016

Photo 103: County Top Deck: September 27, 2016

Photo 104: County Top Deck: September 27, 2016

Photo 105: County Top Deck: September 27, 2016

Photo 106: County Top Deck: September 27, 2016

Photo 107: County Top Deck: September 27, 2016

Photo 108: Flare 11 Site Grading: August 24, 2016

Photo 109: Flare 11 Site Grading: August 24, 2016

Photo 110: Flare 11 Site Grading: August 24, 2016

Photo 111: Flare 11 Site Grading: August 24, 2016

Photo 112: Flare 11 Site Grading: August 24, 2016

Photo 113: Flare 9 & 10 Back Hill: July 27, 2016

Photo 114: Flare 9 & 10 Back Hill: July 27, 2016

Photo 115: Flare 9 & 10 Back Hill: July 27, 2016

Photo 116: Flare 9 & 10 Back Hill: July 27, 2016

Photo 117: Flare 11 Site Grading: September 14, 2016

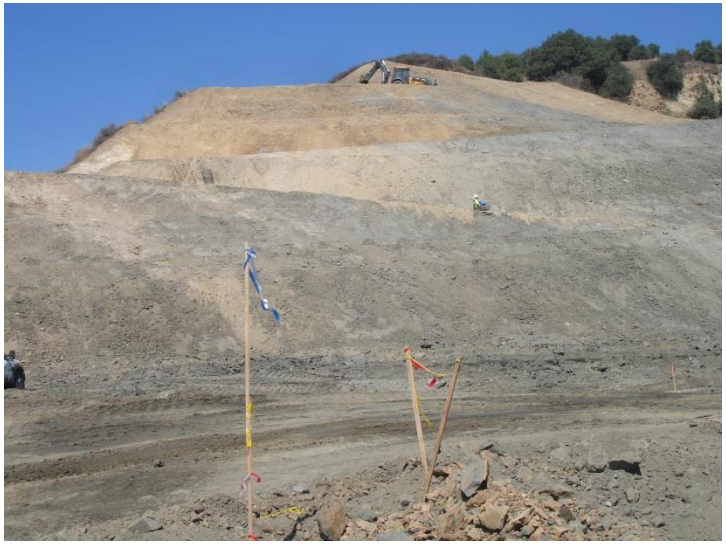

Photo 118: Flare 11 Site Grading: September 14, 2016

Photo 119: Flare 11 Site Grading: September 14, 2016

Photo 120: Flare 11 Site Grading: September 14, 2016

Photo 121: Flare 11 Site Grading: September 14, 2016

Photo 122: Flare 11 Site Grading: September 27, 2016

Photo 123: Flare 11 Site Grading: September 27, 2016

Photo 124: Flare 11 Site Grading: September 27, 2016

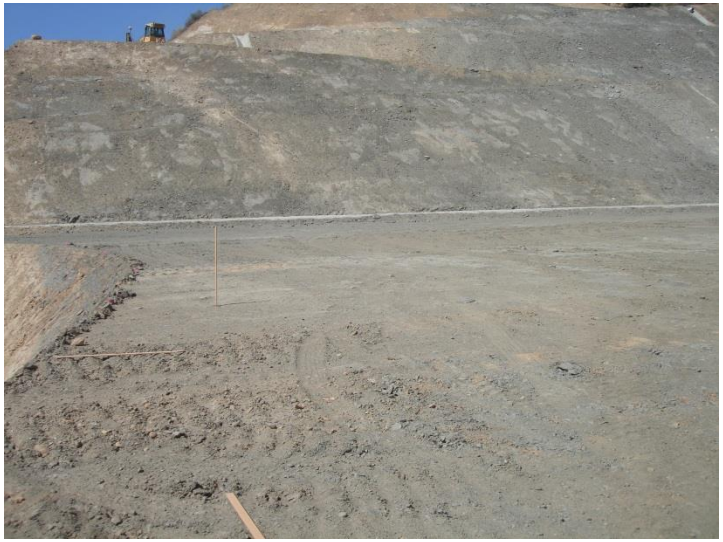

Photo 125: Flare 11 Site Grading: September 27, 2016

Photo 126: Flare 11 Site Grading: September 27, 2016

Photo 127: Flare 11 Site Grading: September 27, 2016

Photo 128: Flare 11 Site Grading: September 27, 2016

Photo 129: Basin B: July 27, 2016

Photo 130: Basin B: July 27, 2016

Photo 131: Basin B: July 27, 2016

Photo 132: Basin B: July 27, 2016

Photo 133: Basin B: July 27, 2016

Photo 134: Basin B Native Hillside: July 27, 2016

Photo 135: Basin B Native Hillside: July 27, 2016

Photo 136: Basin B Native Hillside: July 27, 2016

Photo 137: Basin B: September 14, 2016

Photo 138: Basin B: September 14, 2016

Photo 139: Basin B: September 14, 2016

Photo 140: Basin B Native Hillside Litter: September 14, 2016

Photo 141: Terminal Basin: July 12, 2016

Photo 142: Terminal Basin: July 12, 2016

Photo 143: Terminal Basin: July 27, 2016

Photo 144: Terminal Basin: July 27, 2016

Photo 145: Terminal Basin Exterior Wall: July 27, 2016

Photo 146: Terminal Basin Exterior Wall: July 27, 2016

Photo 147: Terminal Basin: August 24, 2016

Photo 148: Terminal Basin: August 24, 2016

Photo 149: Terminal Basin: August 24, 2016

Photo 150: Terminal Basin: August 24, 2016

Photo 151: Terminal Basin: August 24, 2016

Photo 152: Terminal Basin: August 24, 2016

Photo 153: Terminal Basin: August 24, 2016

Photo 154: Terminal Basin: August 24, 2016

Photo 155: Terminal Basin: August 24, 2016

Photo 156: Terminal Basin: August 24, 2016

Photo 157: Drainage to Terminal Basin: August 24, 2016

Photo 158: Drainage to Terminal Basin: August 24, 2016

Photo 159: Inlet to Terminal Basin: August 24, 2016

Photo 160: CC3B Drainage to Terminal Basin: September 14, 2016

Photo 161: CC3B Drainage to Terminal Basin: September 14, 2016

Photo 162: CC3B Drainage to Terminal Basin: September 14, 2016

Photo 163: CC3B Drainage to Terminal Basin: September 14, 2016

Photo 164: CC3B Drainage to Terminal Basin: September 14, 2016

Photo 165: CC3B Drainage to Terminal Basin: September 14, 2016

Photo 166: CC3B Drainage to Terminal Basin: September 14, 2016

Photo 167: CC3B Drainage to Terminal Basin: September 14, 2016

Photo 168: CC3B Drainage to Terminal Basin: September 14, 2016

Photo 169: CC3B Drainage to Terminal Basin: September 14, 2016

CC3B Drainage to Terminal Basin: September 14, 2016

Photo 171: CC3B Drainage to Terminal Basin: September 14, 2016

Photo 172: CC3B Drainage to Terminal Basin: September 14, 2016

Photo 173: CC3B Drainage to Terminal Basin: September 14, 2016

Photo 174: CC3B Drainage to Terminal Basin: September 14, 2016

Photo 175: CC3B Drainage to Terminal Basin: September 14, 2016

Photo 176: CC3B Drainage to Terminal Basin: September 14, 2016

Photo 177: CC3B Drainage to Terminal Basin: September 14, 2016

Photo 178: Terminal Basin Inlet: September 14, 2016

Photo 179: Terminal Basin: September 14, 2016

Photo 180: Terminal Basin: September 14, 2016

Photo 181: Terminal Basin: September 14, 2016

Photo 182: Terminal Basin: September 14, 2016

Photo 183: Terminal Basin: September 14, 2016

Photo 184: Terminal Basin: September 14, 2016

Photo 185: Terminal Basin: September 14, 2016

Photo 186: Terminal Basin: September 14, 2016

Photo 187: Terminal Basin: September 14, 2016

Photo 188: Terminal Basin: September 14, 2016

Photo 189: Cell CC3B Drainage to Terminal Basin: September 27, 2016

Photo 190: Cell CC3B Drainage to Terminal Basin: September 27, 2016

Photo 191: Cell CC3B Drainage to Terminal Basin: September 27, 2016

Photo 192: Cell CC3B Drainage to Terminal Basin: September 27, 2016

Photo 193: Cell CC3B Drainage to Terminal Basin: September 27, 2016

Photo 194: Cell CC3B Drainage to Terminal Basin Inlet: September 27, 2016

Photo 195: Cell CC3B Drainage to Terminal Basin Inlet: September 27, 2016

Photo 196: Cell CC3B Drainage to Terminal Basin Inlet: September 27, 2016

Photo 197: Terminal Basin: September 27, 2016

Photo 198: Terminal Basin: September 27, 2016

Photo 199: Terminal Basin: September 27, 2016

Photo 200: Terminal Basin: September 27, 2016

Photo 201: Terminal Basin: September 27, 2016

Photo 202: Terminal Basin: September 27, 2016

Photo 203: Terminal Basin: September 27, 2016

Photo 204: Terminal Basin: September 27, 2016

Photo 205: Terminal Basin: September 27, 2016

Photo 206: Terminal Basin: September 27, 2016

Photo 207: Terminal Basin: September 27, 2016

Photo 208: Terminal Basin: September 27, 2016

Photo 209: Vegetation Growing Out of Terminal Basin Concrete: September 27, 2016

Photo 210: Vegetation Growing Out of Terminal Basin Concrete: September 27, 2016

Photo 211: Vegetation Growing Out of Terminal Basin Concrete: September 27, 2016

Photo 212: Vegetation Growing Out of Terminal Basin Concrete: September 27, 2016

Photo 213: Terminal Basin Outlet: September 27, 2016

Photo 214: Trash between San Fernando Road Block Wall and Terminal Basin: September 27, 2016

Photo 215: Trash between San Fernando Road Block Wall and Terminal Basin: September 27, 2016

Photo 216: Trash between San Fernando Road Block Wall and Terminal Basin: September 27, 2016

Photo 217: Potable Water Piping Leaks: August 24, 2016

Photo 218: Potable Water Piping Leaks: August 24, 2016

Photo 219: Potable Water Piping Leaks: August 24, 2016

Photo 220: Potable Water Supply Piping Leak: September 27, 2016

Photo 221: Potable Water Supply Piping Leak: September 27, 2016

Photo 222: Leachate Treatment Area Cleaned: August 24, 2016

Photo 223: Leachate Treatment Area Cleaned: August 24, 2016

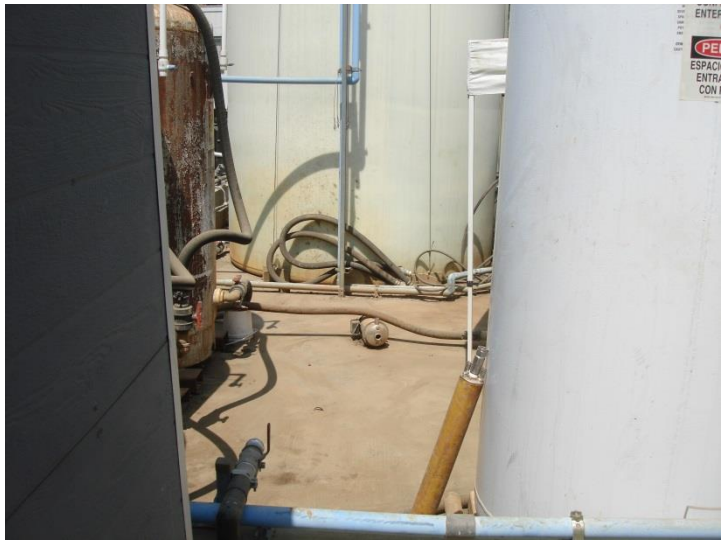

Photo 224: Leachate Treatment Area Cleaned: August 24, 2016

Photo 225: Leachate Treatment Area Cleaned: August 24, 2016

Photo 226: Deck A Water Storage Tank: July 27, 2016

Photo 227: Deck A Water Tank Foundation Not Backfilled: September 14, 2016

Photo 228: Deck A Water Tank Foundation Not Backfilled: September 14, 2016

Photo 229: Cell CC3B 800am: September 14, 2016

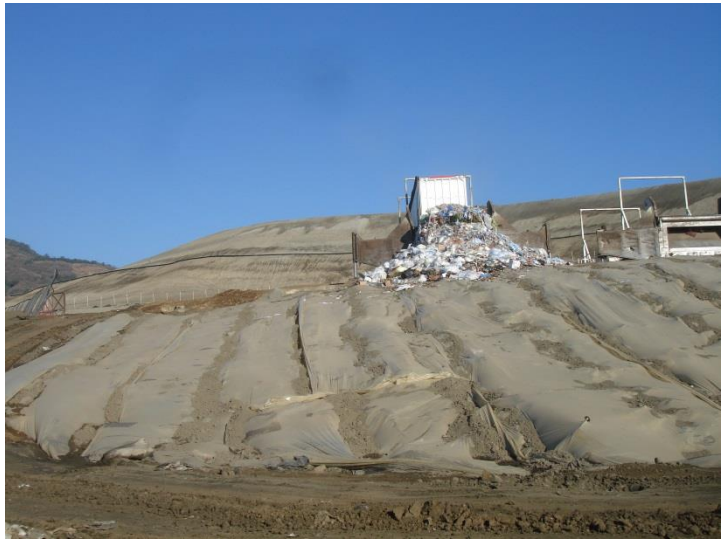

Photo 230: Cell CC3B 800am: September 14, 2016

Photo 231: Cell CC3B 800am: September 14, 2016

Photo 232: Cell CC3B 800am: September 14, 2016

Photo 233: Cell CC3B 800am: September 14, 2016

Photo 234: Cell CC3B 800am: September 14, 2016

Photo 235: Cell CC3B 800am: September 14, 2016

Photo 236: Cell CC3B 800am: September 14, 2016

Photo 237: Cell CC3B 800am: September 14, 2016

Photo 238: Cell CC3B 800am: September 14, 2016

Photo 239: Cell CC3B 800am: September 14, 2016

Photo 240: Cell CC3B 800am: September 14, 2016

Photo 241: Cell CC3B 800am: September 14, 2016

Photo 242: Cell CC3B 800am: September 14, 2016

Photo 243: Cell CC3B 800am: September 14, 2016

Photo 244: Cell CC3B 800am: September 14, 2016

Photo 245: Cell CC3B 800am: September 14, 2016

Photo 246: Cell CC3B 800am: September 14, 2016

Photo 247: Cell CC3B 800am: September 14, 2016

Photo 248: Cell CC3B 800am: September 14, 2016

Photo 249: Cell CC3B 800am: September 14, 2016

Photo 250: Cell CC3A 930am: September 14, 2016

Photo 251: Cell CC3A 930am: September 14, 2016

Photo 252: Cell CC3A 930am: September 14, 2016

Photo 253: Cell CC3A 930am: September 14, 2016

Photo 254: Cell CC3A 930am: September 14, 2016

Photo 255: Cell CC3A 930am: September 14, 2016

Photo 256: Cell CC3A 930am: September 14, 2016

Photo 257: Cell CC3A 930am: September 14, 2016

Photo 258: Cell CC3A 930am: September 14, 2016

Photo 259: Cell CC3A 930am: September 14, 2016

Photo 260: Cell CC3A 930am: September 14, 2016

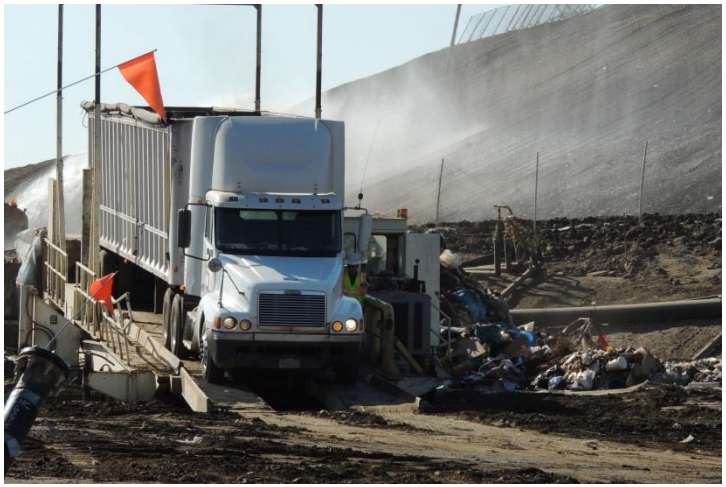

Photo 261: Cell CC3A 930am: September 14, 2016

Photo 262: Cell CC3A 930am: September 14, 2016

Photo 263: Uncovering Edge of Liner for Cell CC4A: September 14, 2016

Photo 264: Uncovering Edge of Liner for Cell CC4A: September 14, 2016

Photo 265: Uncovering Edge of Liner for Cell CC4A: September 14, 2016

Photo 266: Uncovering Edge of Liner for Cell CC4A: September 14, 2016

Photo 267: Uncovering Edge of Liner for Cell CC4A: September 14, 2016

Photo 268: Uncovering Edge of Liner for Cell CC4A: September 14, 2016

Photo 269: Uncovering Edge of Liner for Cell CC4A: September 14, 2016

Photo 270: Truck Scales 900am: August 24, 2016

Photo 271: Truck Scales 900am: August 24, 2016

Photo 272: Truck Scales 900am: August 24, 2016

Photo 273: Truck Scales 900am: August 24, 2016

Photo 274: Access Road to Truck Scales 730am: September 14, 2016

Photo 275: Access Road to Truck Scales 730am: September 14, 2016

Photo 276: Truck Scales 730am: September 14, 2016

Photo 277: Truck Scales 730am: September 14, 2016

Photo 278: Truck Scales 930am: September 27, 2016

Photo 279: Truck Scales 930am: September 27, 2016

Photo 280: Truck Scales 930am: September 27, 2016

Photo 281: Truck Scales 930am: September 27, 2016

Photo 282: Truck Scales 930am: September 27, 2016

Photo 283: City Sage Mitigation Deck C: July 27, 2016

Photo 284: City Sage Mitigation Deck C: July 27, 2016

Photo 285: City Sage Mitigation Deck C: July 27, 2016

Photo 286: City Sage Mitigation Deck C: July 27, 2016

Photo 287: City Sage Mitigation Deck C: July 27, 2016

Photo 288: City Sage Mitigation Deck C: July 27, 2016

Photo 289: City Sage Mitigation Deck C: July 27, 2016

Photo 290: City Sage Mitigation Deck C: July 27, 2016

Photo 291: City Sage Mitigation Deck C: July 27, 2016

Photo 292: City Sage Mitigation Deck C: July 27, 2016

Photo 293: City Sage Mitigation Deck C: August 24, 2016

Photo 294: City Sage Mitigation Deck C: August 24, 2016

Photo 295: City Sage Mitigation Deck C: August 24, 2016

Photo 296: City Sage Mitigation Deck C: August 24, 2016

Photo 297: City Sage Mitigation Deck C: August 24, 2016

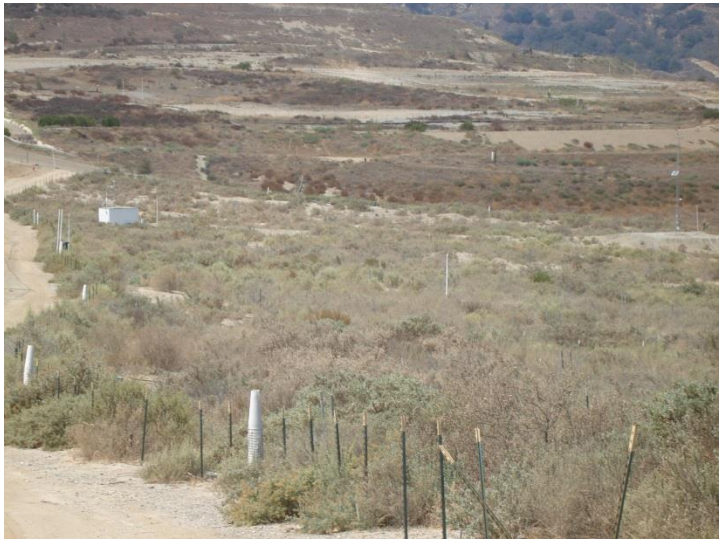

Photo 298: City Sage Mitigation Deck C: August 24, 2016

Photo 299: City Sage Mitigation Deck C: August 24, 2016

Photo 300: City Sage Mitigation Deck C: August 24, 2016

Photo 301: City Sage Mitigation Deck C: August 24, 2016

Photo 302: City Sage Mitigation Deck C: August 24, 2016

Photo 303: City Sage Mitigation Deck C: August 24, 2016

Photo 304: City Mitigation Deck B: July 27, 2016

Photo 305: City Mitigation Deck B: July 27, 2016

Photo 306: City Mitigation Deck B: July 27, 2016

Photo 307: City Mitigation Deck B: July 27, 2016

Photo 308: City Mitigation Deck B: July 27, 2016

Photo 309: City Mitigation Deck B: July 27, 2016

Photo 310: City Mitigation Deck B: July 27, 2016

Photo 311: City Mitigation Deck A: July 27, 2016

Photo 312: City Mitigation Deck A: July 27, 2016

Photo 313: City Mitigation Deck A: July 27, 2016

Photo 314: City Mitigation Deck A: July 27, 2016

Photo 315: City Mitigation Deck A: July 27, 2016

Photo 316: City Mitigation Deck A: July 27, 2016

Photo 317: City Mitigation Deck A: July 27, 2016

Photo 318: City Mitigation Deck A: July 27, 2016

Photo 319: City Mitigation Deck A: July 27, 2016

Photo 320: City Mitigation Deck A: July 27, 2016

Photo 321: City Mitigation Deck A: July 27, 2016

Photo 322: County Sage Mitigation Area: July 12, 2016

Photo 323: County Sage Mitigation Area: July 12, 2016

Photo 324: County Sage Mitigation Area: July 12, 2016

Photo 325: County Sage Mitigation Area: July 12, 2016

Photo 326: County Sage Mitigation Area: July 12, 2016

Photo 327: County Sage Mitigation Area: July 12, 2016

Photo 328: County Sage Mitigation Area: July 12, 2016

Photo 329: County Sage Mitigation Area: July 27, 2016

Photo 330: County Sage Mitigation Area: July 27, 2016

Photo 331: County Sage Mitigation Area: September 14, 2016

Photo 332: County Sage Mitigation Area: September 14, 2016

Photo 333: County Sage Mitigation Area: September 14, 2016

Photo 334: County Sage Mitigation Area: September 14, 2016

Photo 335: Graded Slope behind Offices: September 14, 2016

Photo 336: Graded Slope behind Offices: September 14, 2016

Photo 337: Graded and Storm Protected Slopes behind Offices: September 27, 2016

Photo 338: Graded and Storm Protected Slopes Behind Offices: September 27, 2016

Photo 339: Graded and Storm Protected Slopes Old City South: September 27, 2016

Photo 340: Graded and Storm Protected Slopes Old City South: September 27, 2016

Photo 341: Graded and Storm Protected Slopes Old City South: September 27, 2016

Photo 342: Graded and Storm Protected Slopes Old City South: September 27, 2016

Photo 343: Graded and Storm Protected Slopes Old City South: September 27, 2016

Photo 344: Republic Tree Nursery: July 27, 2016

Photo 345: Republic Tree Nursery: July 27, 2016

Photo 346: Republic Tree Nursery: July 27, 2016

Photo 347: Republic Tree Nursery: July 27, 2016

Photo 348: Republic Tree Nursery: July 27, 2016

Photo 349: Republic Tree Nursery: July 27, 2016

Photo 350: Republic Tree Nursery: July 27, 2016

Photo 351: City PM10 Tree Mitigation: July 27, 2016

Photo 352: City PM10 Tree Mitigation: July 27, 2016

Photo 353: City PM10 Tree Mitigation: July 27, 2016

Photo 354: City PM10 Tree Mitigation: July 27, 2016

Photo 355: City PM10 Tree Mitigation: July 27, 2016

Photo 356: City PM10 Tree Mitigation: July 27, 2016

Photo 357: City PM10 Tree Mitigation: July 27, 2016

Photo 358: City PM10 Tree Mitigation: August 24, 2016

Photo 359: City PM10 Tree Mitigation: August 24, 2016

Photo 360: City PM10 Tree Mitigation: August 24, 2016

Photo 361: City PM10 Tree Mitigation: August 24, 2016

Photo 362: City PM10 Tree Mitigation: August 24, 2016

Photo 363: City PM10 Tree Mitigation: August 24, 2016

Photo 364: City PM10 Tree Mitigation: August 24, 2016

Photo 365: Frontage Retaining Wall on San Fernando Road: July 27, 2016

Photo 366: Frontage Retaining Wall on San Fernando Road: July 27, 2016

Photo 367: Frontage Retaining Wall on San Fernando Road: July 27, 2016

Photo 368: Frontage Retaining Wall on San Fernando Road: July 27, 2016

Photo 369: Frontage Retaining Wall on San Fernando Road: July 27, 2016

Photo 370: Frontage Retaining Wall on San Fernando Road: July 27, 2016

Photo 371: Frontage Retaining Wall on San Fernando Road: July 27, 2016

Photo 372: Frontage Retaining Wall on San Fernando Road: July 27, 2016

Photo 373: Frontage Retaining Wall on San Fernando Road: September 27, 2016

Photo 374: Frontage Retaining Wall on San Fernando Road: September 27, 2016

Photo 375: Frontage Retaining Wall on San Fernando Road: September 27, 2016

Photo 376: Frontage Retaining Wall on San Fernando Road: September 27, 2016

Photo 377: Frontage Retaining Wall on San Fernando Road: September 27, 2016

Photo 378: Frontage Retaining Wall on San Fernando Road: September 27, 2016

Photo 379: Frontage Retaining Wall on San Fernando Road: September 27, 2016

Photo 380: Frontage Retaining Wall on San Fernando Road: September 27, 2016

Photo 381: San Fernando Road near I-5 overpass: July 12, 2016

Photo 382: San Fernando Road near I-5 overpass: July 12, 2016

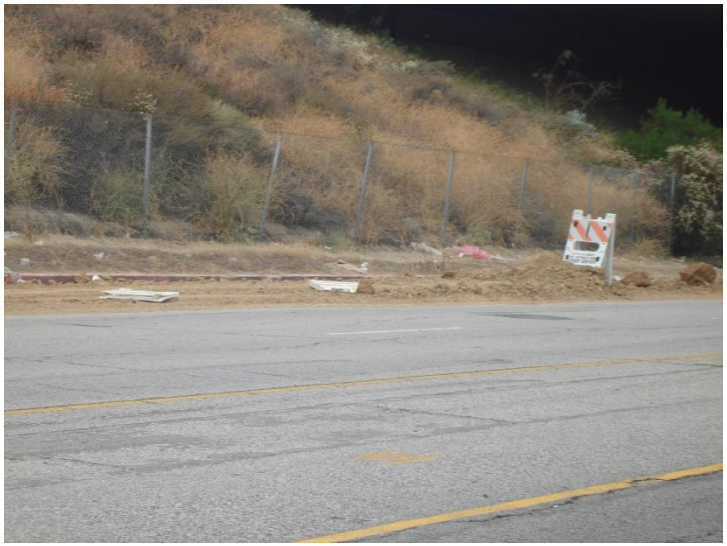

Photo 383: San Fernando Road near I-5 overpass: July 12, 2016

Photo 384: San Fernando Road near I-5 overpass: July 12, 2016

Photo 385: San Fernando Road near I-5 overpass: July 12, 2016

Photo 386: San Fernando Road near I-5 overpass: July 12, 2016

Photo 387: San Fernando Road near I-5 overpass: July 27, 2016

Photo 388: San Fernando Road near I-5 overpass: July 27, 2016

Photo 389: San Fernando Road near I-5 overpass: July 27, 2016

Photo 390: San Fernando Road near I-5 overpass: July 27, 2016

Photo 391: San Fernando Road near I-5 overpass: July 27, 2016

Photo 392: San Fernando Road near I-5 overpass: July 27, 2016

Photo 393: San Fernando Road near I-5 overpass: July 27, 2016

Photo 394: San Fernando Road near I-5 overpass: September 27, 2016

Photo 395: San Fernando Road near I-5 overpass: September 27, 2016

Photo 396: San Fernando Road near I-5 overpass: September 27, 2016

Photo 397: San Fernando Road near I-5 overpass: September 27, 2016

Photo 398: San Fernando Road near I-5 overpass Graffiti: September 27, 2016

Photo 399: San Fernando Road near I-5 overpass: September 27, 2016

Photo 400: San Fernando Road near I-5 overpass: September 27, 2016

Photo 401: San Fernando Road near I-5 overpass: September 27, 2016

Photo 402: San Fernando Road near I-5 overpass: September 27, 2016

Photo 403: Illegal Dumping San Fernando Road near I-5 overpass: August 24, 2016

Photo 404: Illegal Dumping San Fernando Road near I-5 overpass: August 24, 2016

Photo 405: Illegal Dumping San Fernando Road near I-5 overpass: August 24, 2016

Photo 406: Illegal Dumping San Fernando Road near I-5 overpass: August 24, 2016

Photo 407: Rancho Cascades Illegal Dumping: August 24, 2016

Photo 408: Rancho Cascades Illegal Dumping: August 24, 2016

Photo 409: Rancho Cascades Illegal Dumping: August 24, 2016

Photo 410: Rancho Cascades Illegal Dumping: August 24, 2016

Photo 411: Rancho Cascades Illegal Dumping: August 24, 2016

Photo 412: Rancho Cascades Illegal Dumping: August 24, 2016

Photo 413: Rancho Cascades Illegal Dumping: September 27, 2016

Photo 414: Rancho Cascades Illegal Dumping: September 27, 2016

Photo 415: Rancho Cascades Illegal Dumping: September 27, 2016

Photo 416: Rancho Cascades Illegal Dumping: September 27, 2016

Photo 417: Rancho Cascades Illegal Dumping: September 27, 2016

Photo 418: Rancho Cascades Illegal Dumping: September 27, 2016

Photo 419: Sierra Highway near I-14 overpass: August 24, 2016

Photo 420: Sierra Highway near I-14 overpass: August 24, 2016

Photo 421: Sierra Highway near I-14 overpass: August 24, 2016

Photo 422: Sierra Highway near I-14 overpass: August 24, 2016

Photo 423: Sierra Highway near I-14 overpass: August 24, 2016

Photo 424: Sierra Highway I-14 overpass: September 26, 2016

Photo 425: Sierra Highway I-14 overpass: September 26, 2016

Photo 426: Sierra Highway I-14 overpass: September 26, 2016

Photo 427: Sierra Highway I-14 overpass: September 26, 2016

Photo 428: Facilities on Blucher Avenue: August 24, 2016

Photo 429: Odor Detected at Sewer Connection Point: September 27, 2016

Photo 430: Odor Detected at Sewer Connection Point: September 27, 2016

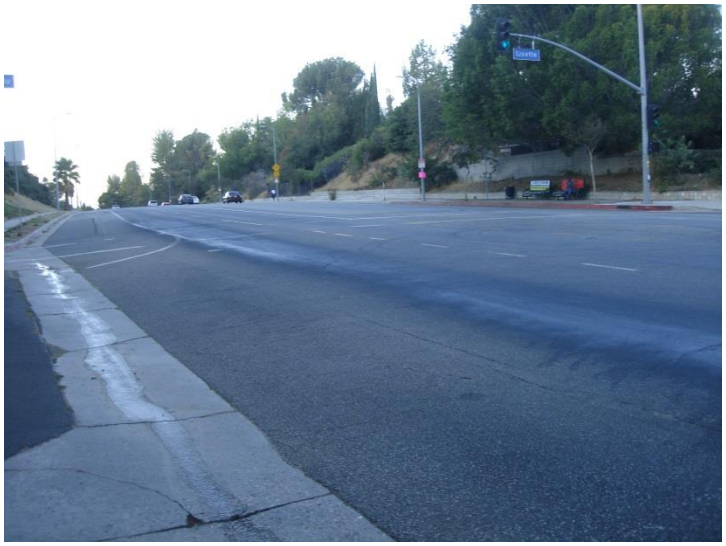

Photo 431: Balboa and Lisette Odorous Roadway Liquids Tracks 700am: September 27, 2016

Photo 432: Balboa and Lisette Odorous Roadway Liquids Tracks 700am: September 27, 2016

Photo 433: Balboa and Lisette Odorous Roadway Liquids Tracks 700am: September 27, 2016

Photo 434: Site Working Area CC3B: July 12, 2016

Photo 435: Site Working Area CC3B: July 12, 2016

Photo 436: Site Working Area CC3B: July 12, 2016

Photo 437: Site Working Area CC3B: July 12, 2016

Photo 438: Site Working Area CC3A: July 12, 2016

Photo 439: Site Working Area CC3A: July 12, 2016

Photo 440: Site Working Area CC3A: July 12, 2016

Photo 441: Site Working Area CC3A: July 12, 2016

Photo 442: Site Working Area CC3A: July 12, 2016

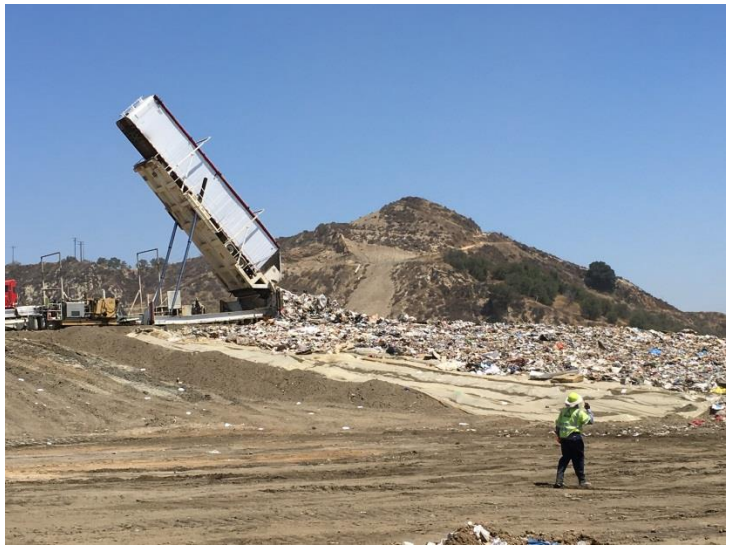

Photo 443: Site Working Area CC3A: July 12, 2016

Photo 444: Site Working Area CC3A: July 12, 2016

Photo 445: Site Working Area CC3A: July 12, 2016

Photo 446: Site Working Area CC3A: July 12, 2016

Photo 447: Site Working Area CC3A: July 12, 2016

Photo 448: Site Working Area Cell CC3B: July 27, 2016

Photo 449: Site Working Area Cell CC3B: July 27, 2016

Photo 450: Site Working Area Cell CC3B: July 27, 2016

Photo 451: Site Working Area Cell CC3B: July 27, 2016

Photo 452: Site Working Area Cell CC3B: July 27, 2016

Photo 453: Site Working Area Cell CC3B: July 27, 2016

Photo 454: Site Working Area Cell CC3B: July 27, 2016

Photo 455: Site Working Area Cell CC3B: July 27, 2016

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Photo 458: Site Working Area Cell CC3B: July 27, 2016

Photo 459: Site Working Area Cell CC3B: July 27, 2016

Photo 460: Site Working Area Cell CC3B: July 27, 2016

Photo 461: Site Working Area Cell CC3B: July 27, 2016

Photo 462: Site Working Area Cell CC3A: July 27, 2016

Photo 463: Site Working Area Cell CC3A: July 27, 2016

Photo 464: Site Working Area Cell CC3A: July 27, 2016

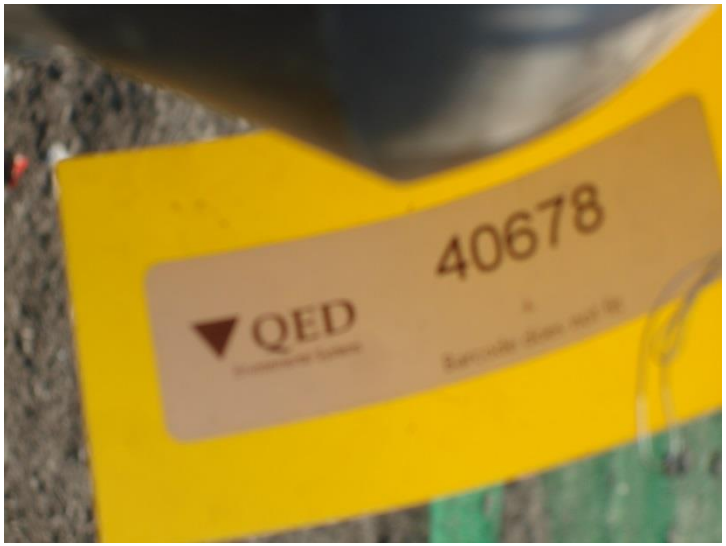

Photo 465: Gas Detected–Gas Recovery Not Operational at this Location 900am: August 24, 2016

Photo 466: Site Working Area CC3B 900am: August 24, 2016

Photo 467: Site Working Area CC3B 900am: August 24, 2016

Photo 468: Site Working Area CC3B 900am: August 24, 2016

Photo 469: Site Working Area CC3B 900am: August 24, 2016

Photo 470: Site Working Area CC3B 900am: August 24, 2016

Photo 471: Site Working Area CC3B 900am: August 24, 2016

Photo 472: Site Working Area CC3B 900am: August 24, 2016

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Photo 474: Site Working Area CC3B 900am: August 24, 2016

Photo 475: Site Working Area CC3B 900am: August 24, 2016

Photo 476: Site Working Area CC3B 900am: August 24, 2016

Photo 477: Site Working Area CC3B 900am: August 24, 2016

Photo 478: Site Working Area CC3B 100pm: August 24, 2016

Photo 479: Site Working Area CC3B 100pm: August 24, 2016

Photo 480: Site Working Area CC3B 100pm: August 24, 2016

Photo 481: Site Working Area CC3B 100pm: August 24, 2016

Photo 482: Site Working Area CC3A 100pm: August 24, 2016

Photo 483: Site Working Area CC3A 200pm: August 24, 2016

Photo 484: Site Working Area CC3A 200pm: August 24, 2016

Photo 485: Access Road to Cell CC3B 730am: September 27, 2016

Photo 486: Road to Cell CC3A: September 27, 2016

Photo 487: Road to Cell CC3A: September 27, 2016

Photo 488: Site Working Area CC3A 1000am: September 27, 2016

Photo 489: Site Working Area CC3A 1000am: September 27, 2016

Photo 490: Site Working Area CC3A 1000am: September 27, 2016

Photo 491: Site Working Area CC3A 1000am: September 27, 2016

Photo 492: Site Working Area CC3A 1000am: September 27, 2016

Photo 493: Site Working Area CC3B 1000am: September 27, 2016

Photo 494: Site Working Area CC3B 1000am: September 27, 2016

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Photo 497: Site Working Area CC3B 1000am: September 27, 2016

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Photo 507: Site Working Area CC3B 1000am: September 27, 2016

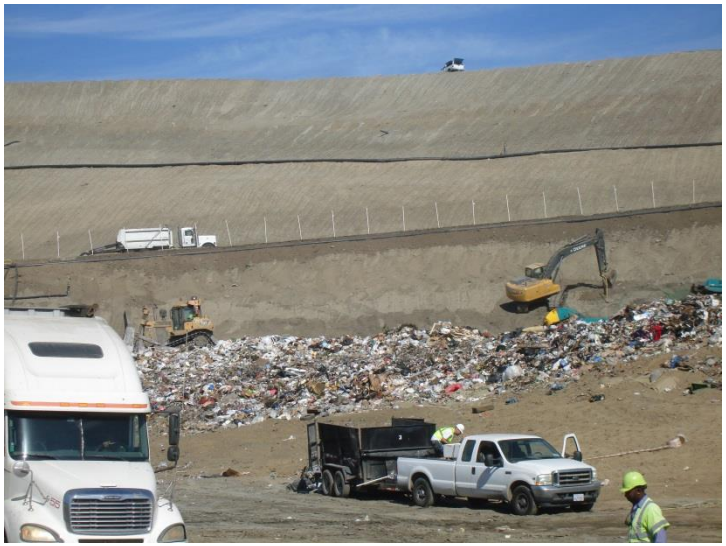

Photo 508: Site Working Area CC3B 1000am: September 27, 2016

Photo 509: Site Working Area CC3B 1000am: September 27, 2016

Photo 510: Site Working Area CC3B 1000am: September 27, 2016

Photo 511: Site Working Area CC3A 1230pm: September 27, 2016

Photo 512: Site Working Area Top Deck Wet Weather Stockpile-1230pm: September 27, 2016

Photo 513: Site Working Area CC3B 1230pm: September 27, 2016

Photo 514: Site Working Area CC3B 1230pm: September 27, 2016

Photo 515: South Oil Field South Gate Locked: August 24, 2016

Photo 516: South Oil Field Gate Locked: September 27, 2016

Photo 517: Site: July 12, 2016

Photo 518: Site: July 12, 2016

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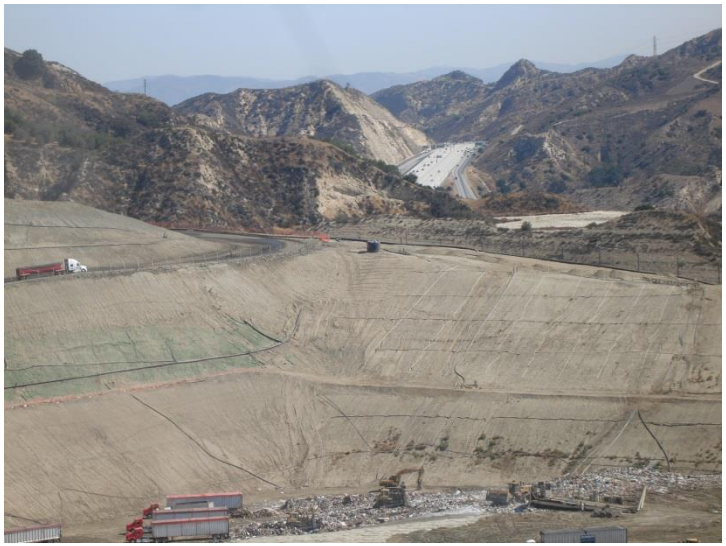

Photo 545: Site: July 27, 2016

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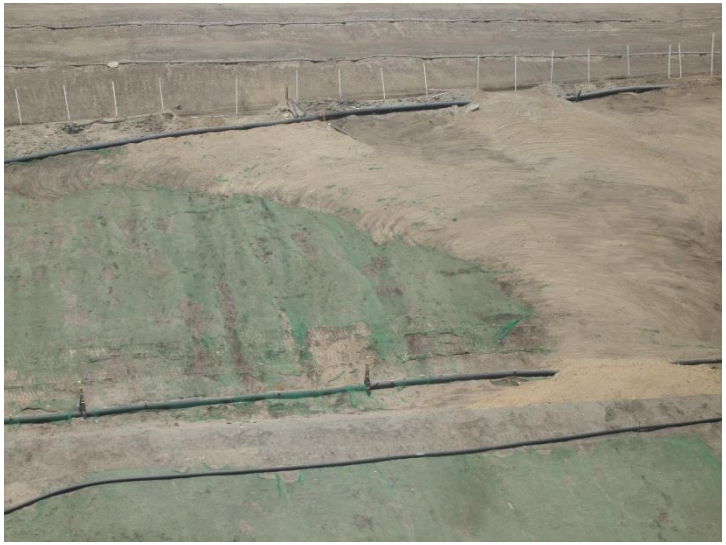

Photo 567: Site: August 24, 2016

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Photo 584: Site: September 14, 2016

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Photo 613: Site: September 27, 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

July Site Visits

July 12, 2016:

James Aidukas (UltraSystems)

Mike Lindsay (UltraSystems)

Tarik Hadj-Hamou (SLR)

UltraSystems

SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT

Monitor: James Aidukas	Page: 1 of 2
Discipline: Project Manager	Date: 7/12/16
Site Conditions: Clear and sunny, 60-90˚F with 0-15 MPH wind gusts	

SITE LOG

Republic Site Manager - Rob Sherman

Drove the adjacent Rancho Cascades and Granada Hills neighborhoods from 6:00 to 7:15 a.m. No landfill odors were detected. Drove to San Fernando Road near the I-5 overpass. There was more illegal dumping of waste and construction debris. Dirt, rock, and rubble was dumped on the edge of the roadway. Trash and debris was dumped on the shoulder of the road. This area is beyond Republic's monitoring and clean-up.

Met with Mike Lindsay (UltraSystems) and Tarik Hadj-Hamou (SLR), signed in, and proceeded to monitor the site and observed the following:

- Monitored the graded areas for the foundation pads for Edison poles 15 and 16 and the related access roads and slopes.
- Compared graded limits with the County's LADPW approved plans. All activity appeared to be within the limits shown on the approved drawings, except for a small area that was graded to allow the gas collection header to be re-routed up Basin A's native southern rocky slope.
- Drove the new access road to Flare #3 and observed that the flare system is still shut down. Power has been restored to the flare system.
- Erosion control protection (straw wattles) and hydroseeding mulch was in place at all of the Edison project graded areas.

Met with David Nguyen and Gabriel Esparza (LACDPW), checked in with Patti Costa, and proceeded back to monitoring with the County staff joining us.

- Basin A had sediment removed from the basin. Rock and soil from the Edison grading had not yet been removed. The outlet channel had a 12" HDPE temporary roadway drain pipe blocking the channel flow.
- All of the area's graded for the Edison project was monitored again with the County staff.
- Once all Edison activity is complete, as-built drawings should be provided to verify actual the limits of grading.
- The drainage channel (corrugated steel pipe) from Edison's pad #38 poses an attractive nuisance hazard. Edison should install a safety barrier.
- The two old oil well casings area has not yet reached final elevation. The casings are gradually being lowered.
- The County sage mitigation area was observed. No activity to repair erosion ruts nor seeding has occurred in this area.
- Basin B had a minor amount of sediment that needed removal.
- The terminal basin was almost cleared of sediment. Vegetation was still growing out of cracks in the sidewalls. Removal should be done.
- Cells CC-3A and CC-3B were active accepting waste. Both areas were using ADC.
- The flares and the gas-to-energy plant were not monitored.

Page 2 of 2, 7/12/16:

FURTHER REVIEW NEEDED

1. Review Edison's as-built drawings.
2. Check on status of Edison installing a safety barrier at pole #38.
3. Check terminal basin and Basin A for complete soil removal before fall rains.
4. Check on removal of vegetation growing out of the concrete walls of the terminal basin.

COMMENTS

Signed:

UltraSystems

SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT

Monitor: Mike Lindsay	Page: 1 of 1
Discipline: Environmental Engineer	Date: 07-12-2016 Tuesday
Site Conditions: Clear, 61–89 °F, 3–14 mph, 40% RH	

SITE LOG

1. Met with Jim Aidukas and Tarik Hadj-Hamou (UltraSystems), and checked into office and with Peggy (Republic).
2. Observed grading around new Power Pole 15 (1829 feet elevation) and Power Pole 16 (2009 feet elevation).
3. Met with Dave Nguyen and Gabriel Esparza (LACDPW), and checked in with Patti Costa (Republic).
4. Sediment Basin A is still being cleared of soil spoils that fell into basin from excavation work above.
5. Drainage channel for Sediment Basin A is blocked temporarily by pipe.
6. Observed excavation work by Sediment Basin A, including two abandoned well casings.
7. Slopes by Sediment Basin A have been hydroseeded.
8. Observed new powerline pole access road above Sediment Basin A.
9. Bird abatement is in effect at Cell CC-3A.
10. Water trucks are applying water throughout site for dust control.
11. Observed overall landfill operations from the Flare 3 area hillside.
12. Observed grading around new Power Pole 38 (2212 feet elevation).
13. Corrugated steel down drain by Power Pole 38 has no pedestrian guard at top opening.
14. Observed slope stabilization area above Power Pole 15, including over 20 oak trees.
15. County sage mitigation area slopes have deep erosion ruts at known locations.
16. Working area at Cell CC-3A is in good order, with tippers and water misters in operation.
17. Wind speed measured 13.6 mph at Cell CC-3A working area.
18. ADC at Cell CC-3A is 95% covered with new trash at 11:30 AM.
19. Working area at Cell CC-3B is in good order, with tippers and water misters in operation.
20. Met with Patti Costa, and discussed our site monitoring observations.

FURTHER REVIEW NEEDED

1. Clear Sediment Basin A of soil.
2. Install pedestrian guard at top opening of corrugated steel down drain by Power Pole 18.
3. Correct erosion ruts and drainage issues at County sage mitigation area slopes.

Signed: Michael W. Lindsay

UltraSystems

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: July 12, 2016
Site Conditions: Sunny	

SITE LOG

7:00- 7:45 meet with UltraSystems team members Jim Aidukas and Mike Lindsay, sign-up in main office and prepare site visit.

- Focus of the visit is whether the grading work for the installation of the new power poles extend over the limits approved by the LACDPW and whether some of the grading work could be associated with the grading in the area of the future Cell CC-4 not yet permitted by LACDPW

7:15 – 9:15 Initial inspection

- Inspected the grading area for Poles 15 and 16.
- Drove up the new access road to the connection with original access road to Flare #3
- Walked down with the construction drawings
- The layout of the road is slightly different than on the drawings but within approved area
- Grading at the top of the new road extends beyond the grading plan shown on drawings. (Figure 1) however this was necessary to connect the gas header going up to Flare #3 which now goes uphill in Basin A (Photo 1)
- erosion protection BMP's have been installed (Photo 2)

9:15 – 9:30 meet with LACDPW personnel: Dave Nguyen and Gabriel Esparza

9:30 - 1:00 site tour with LACDPW personnel

Observed the following areas:

- grading for new power poles 15, 16
  - performed same inspection as described above
- Flare #3 pad
- grading for pole 38
  - BMP for stormwater control have installed (Photo 3)
- placement of waste in Cell CC-3A and CC-3B,
- drainage systems,
- coastal sage mitigation area on native cut slope between basin A and Basin D. Area inspected and walked on February 24, 2016 – no noticeable changes since that visit
- Overall landfill.

Cell CC3A– Part 2

- waste was being placed
- No civil or geotechnical issues noted

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Cell CC-3A Waste face on deck • No civil or geotechnical issues noted
Stability issues • No slope stability issues were noted during the site tour.
Erosion Protection systems • 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 and those installed on the cut-slopes associated with new poles (Photo 2)
Drainage system • Basin A: – Because of ongoing construction, soil has sloughed off into the basin (Photo 4). 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: – totally clean • Terminal Basin – Almost entirely cleaned-up (Photo 5). – vegetation is still growing in cracks in walls on terminal basin (photos 6)
1:00 – 1:30 Close-out meeting with Republic Staff (Patti Costa) • the site visit confirmed that the grading work for installation of Poles is within the area delineated on drawings approved by LACDPW • other on-going grading activities are outside the footprint of the future cell CC-4 and are focused on old administration pad
FURTHER REVIEW NEEDED
COMMENTS
LACDPW should require as-built drawings of the grading work performed for installation of the new poles at the Sunshine Canyon landfill for comparison with the approved drawings.
Signed: 

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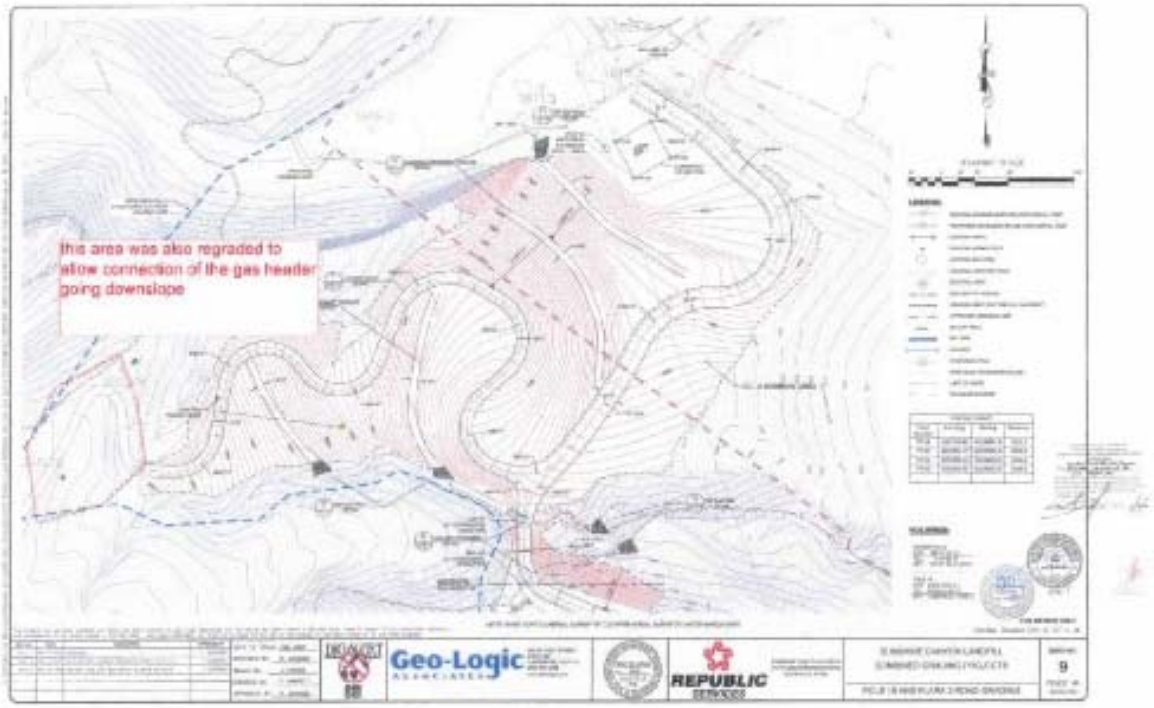

Figure 1: Grading plan for new access road to Flare #3

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Photo 1: Gas header to Flare #3 in Basin A

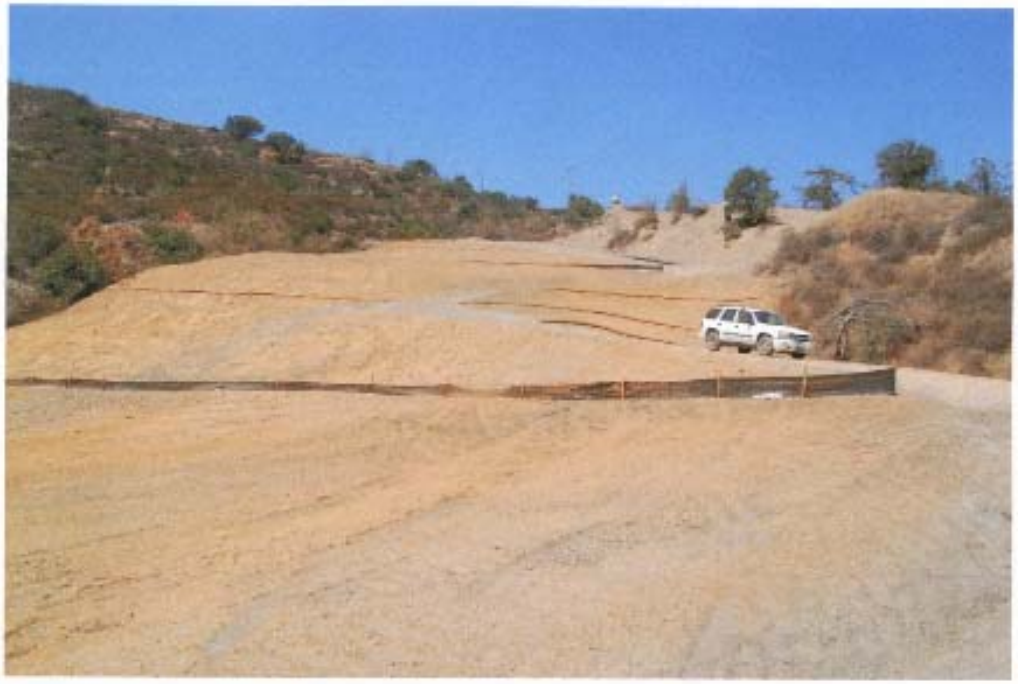

Photo 2: Erosion Protection on cut slope for the new access road to Flare #3

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Photo 3: BMP for stormwater control at new pole pad #38

Photo 4: Soil in Basin A

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Photo 5: Status of cleaning in Terminal Basin

Photo 6: Vegetation in cracks on outside wall of the Terminal Basin

July 27, 2016:

James Aidukas (UltraSystems)

Mike Lindsay (UltraSystems)

Michelle Tollett (UltraSystems)

UltraSystems

SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT

Monitor: James Aidukas	Page: 1 of 2
Discipline: Project Manager	Date: 7/27/16
Site Conditions: Clear and sunny, 75-100°F with 0-10 MPH wind	

SITE LOG

Republic Site Manager - Rob Sherman

Drove the adjacent Rancho Cascades and Granada Hills neighborhoods from 6:00 to 7:00 a.m. Detected a slight landfill working face odor at 6:40 a.m. at Whistler and Orozco. I found the Republic staff neighborhood monitor and went back to the site at 6:55 a.m., however the odor was gone by then. No landfill odors were detected elsewhere.

Drove to San Fernando Road near the I-5 overpass. A sizable amount of soil and rock was dumped on the curb and on the pavement safety lane. A couch and other waste was dumped under the overpass. This area is outside of the Republic clean-up area.

It was observed that the Gas Company's pipeline work on San Fernando Road had trucks waiting approximately 20 minutes before entering the site. The left turn traffic signal was not working and there was no traffic control personnel.

The frontage retaining wall and walkway along San Fernando Road had no removal of soils. The oak trees at the top of the slope were still stable but were lacking soil around their roots.

Met with Mike Lindsay and Michelle Tollett (UltraSystems), signed in, and proceeded to monitor the site and observed the following:

- City Deck C sage mitigation was doing well with native plants going through a late summer hot condition phase. The area was being maintained with non-natives being removed.
- The PM-10 oak trees had several being attacked by a beetle-type insect and were showing signs of dying. Republic needs their biologist/grower to recommend how to control this infestation and implement an eradication program.
- It was observed that the berm odorizer system was operational.
- Deck B and Deck A were observed. Both decks had native plants that were doing well. Deck B had large areas of mustard. Deck A had mustard and thorn thistle. Both areas were not having the non-natives removed.
- The Deck A water tank pad had fine loose soils that need a soil sealant or rock to control the potential for causing dust.
- Blower #2 at the Flare 1 station had a gas leak that was causing a strong localized odor.
- Cell CC-3A was operational and was using ADC. Cell CC-3A had two small operating areas.
- Cell CC-3B was operational and was using ADC.
- No gas or liquid odors were observed at the disposal areas.
- The previously detected liquid odors along the access road to CC-3A had been eliminated.
- Basin A had the sediment removed. The sloughed soil and rock from Edison pole grading was not yet removed.

Page 2 of 2, 7/27/16:

- The westside drainage channel had concrete sidewall cracks and spalling that should be monitored.
- Basin B had a minor amount of sediment that needs to be removed. The back native hillside vegetation had windblown litter.
- The terminal basin was clean and just needed the rock replaced around the outlet risers.
- The grading for Flare 11 was ongoing.

Flare Operating Conditions:

- Flare 1 - 1688°F, 1993 SCFM, -57.78" vacuum
- Flare 3 - shut down
- Flare 9 - 1657°F, 2706 SCFM, -63" vacuum
- Flare 10 - shut down

The gas-to-energy plant was using 8792 SCFM of recovered landfill gas.

FURTHER REVIEW NEEDED

1. Review biological studies for stabilization area buttress grading and permits.
2. Monitor Flare 1 Blower 2 for gas leak repair.
3. Track the erosion control and repair implementation at Flare 1 slopes.

COMMENTS

Signed:

SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT

Monitor: Mike Lindsay	Page: 1 of 2
Discipline: Environmental Engineer	Date: 07-27-2016 Wednesday
Site Conditions: Clear, 77–99 °F, 3–12 mph, 39% RH	

SITE LOG

1. Met with Jim Aidukas and Michelle Tollett (UltraSystems), and checked into office and with Patti Costa and Ricky Dhupar (Republic).
2. Retaining wall by landfill entrance is impacted with soil at known locations.
3. City Deck C sage mitigation area is growing well, with a quail covey (one adult and six young), two rabbits and several species of birds observed.
4. Most of the PM-10 Berm oak trees are growing larger, with a healthy green color.
5. Observed the deodorizer system by the PM-10 Berm to be operational.
6. Flare 1 is operating at 1859 scfm, 1684 °F. Gas sample measured at 36 % Vol. CH4, 1.7 % Vol. O2, 97 ppm H2S and 57 ppm CO. Gas inlet temperature is at 136 °F.
7. A strong, localized landfill gas odor was detected at the Flare 1 blower number 2.
8. The V-ditch above Flare 1 is eroding, with water erosion ruts in the slope surface.
9. City Deck B is growing well in locations that have vegetation, including buckwheat and golden bush.
10. Observed Cell CC-3A and Cell CC-3B working areas, including tippers.
11. Area around water tank is in good condition.
12. City Deck A is growing well, with various wildlife observed.
13. Oak tree nursery near City Deck A is in good order, with hundreds of trees in various stages of growth.
14. ADC at Cell CC-3B is 50% covered with new trash at 10:45 AM.
15. Terminal Sediment Basin is almost cleared of all soil.
16. Observed Cell CC-3A secondary working area (there are three, separate working areas today).
17. Sediment Basin B has had additional soil removed from basin floor.
18. Wind-blown trash has accumulated at the back of Sediment Basin B.
19. Storage yard is in good order.
20. Sediment Basin A is still being cleared of soil spoils that fell into basin from excavation work above.
21. The Gas-to-Energy plant has one turbine temporarily offline due to an oxygen spike.
22. Flare 9 is operating at 2710 scfm, 1657 °F, with blowers 2, 3 and 4 active. Gas sample measured at 44 % Vol. CH4, 1.8 % Vol. O2, 66 ppm H2S and over 500 ppm CO. Gas inlet temperature is at 153 °F.
23. Flare 10 is offline.
24. Sediment Basin D is clear and in good condition.
25. Observed slope stabilization area above Power Pole 15, including over 20 oak trees.
26. Primary working area at Cell CC-3A is in good order, with tippers and water misters in operation.
27. Met with Ricky Dhupar and Mat Eaton (Republic), and discussed our site monitoring observations.

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Page: 2 of 2

FURTHER REVIEW NEEDED

1. Remove soil that is impacting retaining wall near landfill entrance.
2. Repair the localized landfill gas leak at Flare 1, blower number 2.
3. Repair the V-ditch and slope drainage issues above Flare 1.
4. Remove wind-blown trash from Sediment Basin B.
5. Remove soil from Sediment Basin A.

Signed:

SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT

Monitor: Michelle Tollett	Page: 1 of 2
Discipline: Senior Biologist	Date: 07-27-2016 Wednesday
Site Conditions: Clear, 77–99 °F, 3–12 mph, 39% RH	

SITE LOG

1. Met with Jim Aidukas and Mike Lindsay (UltraSystems), and checked into office and with Patti Costa and Ricky Dhupar (Republic).
2. Retaining wall by landfill entrance, on San Fernando Road, is impacted with soil at known locations. This hillside has large coast live oak trees. This erosion could pose a health and safety hazard to commuters on San Fernando Road if the slopes destabilize and fall onto the powerlines and into the street. Coast live oaks do have long taproots and may be somewhat stable, however, only so much can be done if the hillside fails.
3. City Deck C sage mitigation area is growing well, with evidence of wildlife use. During the visit, various animal sign was observed including tracks of coyote, deer and possibly bobcat. Other wildlife sightings included an American kestrel, black grosbeak, California scrub jay, California quail covey (one adult and six young), common raven, California towhee, mourning dove, turkey vulture and various other species of birds. Additional observations included two cottontail rabbits, many ground squirrels, Botta's pocket gopher tunnels, several side-blotched lizards and western fence lizards.

   The City Deck C still has some barren patches that would benefit from reseeding and replanting in select areas to fill in the gaps more quickly. Overall, this site appears to be largely weed-free and well-maintained.
4. Most of the PM-10 berm oak trees are growing larger, with a healthy green color. However, a few of the trees (about 5 trees) appear to be suffering a beetle invasion. It is unclear if turning off the water stressed the trees allowing for beetle infestation or if the trees were dying due to beetles but otherwise would be healthy. Symptoms observed included peeling bark, yellow senesced leaves, and beetle bore holes in the shape of "D" and/or "O". Pathology unknown, recommend consultation with a certified arborist and if necessary, completely remove the infested trees to avoid loss of the entire mitigation area. It is important to act on this or risk loss of all trees on the PM-10 berm.
5. City Deck B is growing well in locations that have vegetation, including buckwheat, encelia, and golden bush. This area would benefit from enhancement activities to remove non-native species (especially grasses) to allow for in-fill of natives. American kestrel observed.
6. City Deck A has an invasive thistle that should be put on a list to be taken care of as soon as possible. Recommend treating this as soon as possible. City Deck A also has a diverse mix of natives with *Baccharis sarothroides* (broom baccharis) as a dominant in some areas. Allowing more infill of this species is extremely desirable. Suggest weed abatement/enhancement in these areas to allow more infill of broom baccharis for soil stability, vertical structure, PM and fugitive dust control, wildlife use (perching, shelter, food, nesting and cover). Various wildlife observed.
7. The V-ditch above Flare 1 is eroding, with water erosion ruts in the slope surface. If this is not fixed, the erosion will eventually cause the slope to fail, bringing native species down with it.

8. Oak tree nursery near City Deck A is in good order, with hundreds of trees in various stages of growth. Species noted included *Quercus lobata* (Valley oak), *Q. agrifolia* var. *agrifolia* (coast live oak) and *Populus fremontii* (cottonwood). The oaks were grown under the 50% shade cloth with drip irrigation in various sized pots. The cottonwoods were in full sun.
9. The stability berm grading project near power pole #15 is primarily intact native chaparral – chamise chaparral, Venturan coastal sage scrub and oak chaparral. Visual estimate of approximately 100 oaks on the hillside. There is at least one jurisdictional waterway on the east side of the area. A habitat assessment, wetland delineation, rare plant survey, protected tree inventory and nesting bird survey will be needed at a minimum at this location.
10. Met with Ricky Dhupar and Mat Eaton (Republic), and discussed our site monitoring observations.
11. Next revegetation meeting is August 10, 2016. Michelle Tollett and Jim Aidukas will attend.

FURTHER REVIEW NEEDED

1. Visit hillside on San Fernando Road, check for stability.
2. Continue native plant infill at City Deck C. Consider wildcrafting seeds from nearby buckwheat, deerweed, broom baccharis and goldenbush areas.
3. Consider enhancement (weed abatement), then natural recruitment on City Decks A and B.
4. Certified Arborist must inspect the oak trees on the PM-10 berm for beetle infestation and overall health. Determine pathology and take immediate action to avoid infestation and imminent loss of mitigation oak trees.
5. Fix V-ditch above Flare 1.
6. I was very impressed with Republic's personnel running an immaculate and healthy nursery onsite.
7. See #9 above and begin process – plan surveys during the appropriate seasons, beginning surveys in early spring annually for rare plants.

Signed:

August Site Visits

August 24, 2016:

James Aidukas (UltraSystems)

Mike Lindsay (UltraSystems)

UltraSystems

SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT

Monitor: James Aidukas	Page: 1 of 2
Discipline: Project Manager	Date: 8/24/16
Site Conditions: Clear and sunny, 70-95˚F with 0-15 MPH wind	

SITE LOG

Republic Site Manager - Rob Sherman

Drove the adjacent Granada Hills neighborhood from 6:15 to 7:00 a.m. Detected a slight landfill on Timber Ridge. No landfill odors were detected elsewhere.

Met with Mike Lindsay (UltraSystems), signed in, and checked in with Ricky Dhupar and Tyson Ross. We then proceeded to monitor the site and observed the following:

- Drove back to the adjacent Granada Hills neighborhood and detected the slight landfill odor on Timber Ridge at approximately 7:30 a.m. The rest of the neighborhood and the school had no landfill odors detected.
- Drove the Rancho Cascades neighborhood and did not detect any landfill odors. The illegal dumping of waste on the undeveloped property on Nicholas Avenue has increased.
- Drove to the greenwaste facilities on Blucher Avenue and slight greenwaste odors were detected on Blucher Avenue near the North Hills facility.
- Drove to the I-5 overpass on San Fernando Road. There was a mattress, couch, and other construction waste observed. Dirt was illegally disposed of on the road shoulder and pavement. This area is outside of Republic's clean-up area.
- Observed a mattress, plywood, and waste soil disposed of on the shoulder of Sierra Highway near the I-14 overpass.
- Observed the 100-acre buffer area and the oil field south gate. The gate was locked and the oil field operations had no areas of concern. No landfill odors were detected in the area.
- The mitigation oak trees adjacent to the paved oil field access road had some trees dying. The cause should be investigated.
- The leachate treatment facility had a clean-up crew cleaning the facility and the adjacent area.
- The potable water supply line near the water meter had the pressure regulator valves and block valve replaced. The diaphragm operator was leaking water.
- The potable water line near the Republic pumps had a weld on the steel line leaking and the adjacent block valve leaking.
- The City Deck C sage mitigation was doing well. Hot summer vegetation conditions were observed.
- Observed that there were PM-10 berm oak trees dying. The cause should be investigated.
- There was no vegetation activity, non-native removal, nor planting occurring on Deck A or B areas.
- Erosion is occurring on the slopes above and adjacent to Flare 1. The concrete V-ditches are losing support soils.
- There were two operating areas; Cell CC-3A and Cell CC-3B. The tippers were in CC-3A. ADC was being used at both areas. Old waste from the liner location project in Cell C-4A was being disposed of in CC-3A.

Page 2 of 2, 8/24/16:

- Basin D was clean and ready for fall rain.
- The terminal basin was 90% cleared of sediment. The placement of a newly designed basin rainwater stilling system will occur in September
- Grading for Flare 11 was ongoing.

Flare Operating Conditions:

- Flare 1 - 1710˚F, 1638 SCFM, -57.68" vacuum
- Flare 3 - shut down
- Flare 9 - 1653˚F, 3443 SCFM, -62" vacuum
- Flare 10 - 1655˚F, 3433 SCFM

The gas-to-energy plant was using 4758 SCFM of recovered landfill gas. A booster gas compressor in the plant was being repaired. The duration of the repair was not known due to availability of parts. The facility was at approximately 50% production.

FURTHER REVIEW NEEDED
COMMENTS
Signed: 

UltraSystems

SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT

Monitor: Mike Lindsay	Page: 1 of 2
Discipline: Environmental Engineer	Date: 08-24-2016 Wednesday
Site Conditions: Clear, 68–93 °F, 3–15 mph, 24% RH	

SITE LOG

1. Met with Jim Aidukas (UltraSystems), and checked into office and with Tyson Ross and Ricky Dhupar (Republic).
2. Faint landfill odors were detected in adjacent neighborhood on Timber Ridge at 7:30 AM.
3. No odors were detected at Van Gogh school at 7:40 AM.
4. Cell CC-3B working area is in good order, with tippers and water misters in operation.
5. Observed Cell CC-3A working area.
6. Faint greenwaste odors were detected at the greenwaste facilities on Blucher Avenue.
7. No odors were detected in the Rancho Cascades neighborhood.
8. Terminal Sediment Basin is almost cleared of all soil. Riser drains have been cleaned, and wrapped with new filter fabric.
9. Sierra Highway has illegally dumped mattress, box spring and other debris along roadway.
10. More illegal dumping has accumulated along San Fernando Road by the I-5 overpass.
11. No graffiti is present on the retaining wall by landfill entrance.
12. Perimeter gate at oil field is locked.
13. No landfill odors were detected at the oil field.
14. Leachate treatment facility is in good condition, with a full clean-out effort underway.
15. Two water leaks are present at the graywater facility by the landfill entrance. A pipe weld joint is leaking at the water valve group, and a pipe valve fitting is leaking by the main San Fernando Road front perimeter wall.
16. City Deck C sage mitigation area is growing well.
17. Oak trees at the PM-10 berm are mostly in good condition, with some trees dying out.
18. Flare 1 is operating at 1632 scfm, 1688 °F. Gas sample measured at 38 % Vol. CH4, 1.6 % Vol. O2, 84 ppm H2S and 66 ppm CO. Gas inlet temperature is at 139 °F.
19. The V-ditch above Flare 1 is eroding, with water erosion ruts in the slope surface at known locations.
20. Observed heavy excavation work for Flare 11 near the gas-to-energy facility, including six scrapers.
21. The Gas-to-Energy plant has two turbines temporarily offline due to compressor problems.
22. Met new gas-to-energy facility technician, Nick Scheiman.
23. Flare 9 is operating at 3443 scfm, 1652 °F, with blowers 2, 3 and 4 active. Gas sample measured at 45 % Vol. CH4, 1.4 % Vol. O2, 65 ppm H2S and over 500 ppm CO. Gas inlet temperature is at 154 °F.
24. Flare 10 is operating at 3444 scfm, 1656 °F.
25. Water trucks are applying water throughout site, but dust clouds are still forming due to the dry conditions, especially around the Flare 11 excavation site.
26. Sediment Basin D is clear and in good condition.
27. Met with Ricky Dhupar (Republic), and discussed our site monitoring observations.

UltraSystems

Page: 2 of 2
FURTHER REVIEW NEEDED
1. Remove dumped debris along San Fernando Road. 2. Repair water leaks at graywater facility. 3. Repair the V-ditch and slope drainage issues above Flare 1.
Signed:

September Site Visits

September 14, 2016:

James Aidukas (UltraSystems)

Mike Lindsay (UltraSystems)

Tarik Hadj-Hamou (SLR)

UltraSystems

SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT

Monitor: James Aidukas	Page: 1 of 2
Discipline: Project Manager	Date: 9/14/16
Site Conditions: Clear and sunny, 55-80˚F with 0-15 MPH wind	

SITE LOG

Republic Site Manager - Rob Sherman

Drove the adjacent Granada Hills neighborhood from 6:15 to 6:45 a.m. No landfill odors were detected in the area.

Met with Mike Lindsay (UltraSystems) and Tarik Hadj-Hamou (SLR), signed in, and had a brief meeting with Patti Costa. We then proceeded to monitor the site and observed the following:

- The Gas Company Pipeline project had two City traffic control people at the landfill entrance. Even with their presence, traffic was backing up.
- Disposal traffic at the truck scales was minimal from 7:30-8:00 a.m.
- There were two disposal operating areas: Cell CC-3A and CC-3B. CC-3B had approximately 50% of the ADC covered by 8:15 a.m. CC-3A had minimal disposal activity. A waste composition test was being done on trash from City packer trucks.
- Along the exit access road from Cell CC-3B there was a landfill gas odor coming from the CC-3A slope. We checked it out with the gas meter and confirmed landfill gas emissions near the collection system piping.
- There was a truck from Cesar R Trucking that had an extremely odorous load. This load was dumped in Cell CC-3A. Republic staff was notified.
- The drainage system from Cell CC-3B to the terminal basin was being improved with a stilling basin near the base of CC-3B. Concrete channels were being constructed from that temporary basin and the access road's box culverts to the terminal basin.
- The terminal basin had all sediment removed. Rock gabion walls were being constructed in the basin to slow down the rainwater and drop out sediment.
- The outlet risers were modified to allow for future skimming devices to be used.
- The corrugated steel drainage channel at the new Edison Pole 38 is an attractive nuisance and Edison should install appropriate safety guards.
- The landfill perimeter boundary PVC pipe markers have been removed in areas where Edison pole grading took place. These boundary markers have not been replaced.
- Basin A has been cleared of sediment and outlet risers have clean rock in place. The south graded hillside has loose rock and soil which will most likely slide into the basin during a heavy rain event.
- Basin D has been cleaned and the native hillside drainage channel unblocked to allow rain flow into the basin.
- Wood waste and other debris cleaned out of Basin D and the drainage channel is stockpiled next to the basin. This material should be disposed of.
- The majority of the rough grading for the Flare 11 site pad has been completed. Final site pad and alternative access road grading is being done.
- Basin B has been cleared of sediment and is ready for rain events. The back native hillsides have windblown litter.

Page 2 of 2, 9/14/16:

- The Deck A water tank area was covered with road base rock material. The tank foundation was not fully backfilled.
- The City Deck C sage mitigation was doing well and exhibiting summer conditions. The site was being maintained.
- There was no Republic activity on the County sage mitigation slopes.

Flare Operating Conditions:

- Flare 1 - 1692˚F, 1629 SCFM, -57.80" vacuum
- Flare 3 - shut down
- Flare 9 - 1631˚F, 2293 SCFM, -62" vacuum, 33.34" out
- Flare 10 - 1643˚F, 2501 SCFM

The gas-to-energy plant was using 4850 SCFM of recovered landfill gas. A booster gas compressor in the plant was being repaired. The duration of the repair was not known due to availability of parts. The facility was at approximately 50% production.

FURTHER REVIEW NEEDED

COMMENTS

Signed:

UltraSystems

SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT

Monitor: Mike Lindsay	Page: 1 of 2
Discipline: Environmental Engineer	Date: 09-14-2016 Wednesday
Site Conditions: Clear, 53–81 °F, 3–18 mph, 75% RH	

SITE LOG

1. Met with Jim Aidukas and Tarik Hadj-Hamou (UltraSystems), and checked into office.
2. Traffic control is present at landfill entrance due to pipeline construction along San Fernando Road.
3. Cell CC-3B working area is in good order, with tippers and water misters in operation. New haul road configuration includes travel along eastside perimeter drainage channel. ADC is 50% covered at 8:00 AM.
4. A strong landfill gas odor is present along working area haul road exit.
5. Observed new basin construction at toe berm above Terminal Basin, including channel and culvert forming with rebar installed.
6. Terminal Basin has a new gabion rock wall being constructed, ten feet high and across 60% of the basin width at mid-point. The three vertical riser drains have been steel plate reinforced at their front impact area.
7. An odorous truck passed by us on the way to Cell CC-3A.
8. Cell CC-3A working area has tippers in operation, and a tent and crew performing refuge composition tests.
9. Observed overall landfill operations from the Flare 3 area.
10. Down-comer corrugated steel drainage channel at Edison power pole number 38 has no pedestrian guard.
11. Sediment Basin A has been cleaned of all soils and rock, with two vertical riser drains packed with rock.
12. Debris is located at west end of Sediment Basin A.
13. Flare 11 excavation continues, with paleo monitor present.
14. Flare 9 is operating at 2332 scfm, 1684 °F, with blowers 2, 3 and 4 active. Gas sample measured at 47 % Vol. CH4, 1.7 % Vol. O2, 70 ppm H2S and 494 ppm CO. Gas inlet temperature is at 135 °F.
15. Flare 10 is operating at 2510 scfm, 1643 °F.
16. The Gas-to-Energy plant continues to have two turbines offline due to compressor problems.
17. Sediment Basin B is clear of soil, with vertical riser drains packed with clean rock.
18. Wind-blown trash is present at back slopes of Sediment Basin B.
19. County sage mitigation slopes have no new growth apparent.
20. Flare 1 is operating at 1644 scfm, 1685 °F. Gas sample measured at 38 % Vol. CH4, 1.5 % Vol. O2, 86 ppm H2S and 66 ppm CO. Gas inlet temperature is at 124 °F.
21. City Deck C sage mitigation area continues to grow well.
22. Water tank and surrounding area are in good condition.
23. Water tank foundation needs to be backfilled.
24. Met with Patti Costa, Tyson Ross, Matt Eaton and Ricky Dhupar (Republic), and discussed our site monitoring observations.

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Page: 2 of 2

FURTHER REVIEW NEEDED

1. Resolve odor that is present along working area haul road exit.
2. Install pedestrian guard for steel drainage channel at Edison power pole number 36.
3. Remove debris at west end of Sediment Basin A.
4. Remove wind-blown trash at back slopes of Sediment Basin B.
5. Backfill water tank foundation.

Signed: Michael W. Lindsay

UltraSystems

SUNSHINE CANYON LANDFILL

MITIGATION MONITORING
SITE REPORT

Monitor: Tarik Hadj-Hamou, Ph.D., P.E.	PAGE 1 OF 4
Discipline: Civil – Geotechnical and Hydrology	Date: September 14, 2016
Site Conditions: Sunny	
SITE LOG	
7:00- 8:00 meet with UltraSystems team members Jim Aidukas and Mike Lindsay, sign-up in main office and prepare site visit. Brief pre-visit meeting with Patti Costa of Republic	
8:00 - 1:00 site tour personnel Observed the following areas: • Pad new power pole 16 • Flare #3 pad • placement of waste in Cell CC3A and CC3B phase2, • drainage systems, • Overall landfill for geotechnical issues.	
Pad new power pole 16 • observed grading pad • noted that drainage downchute at Edison's pole 38 could be an attractive nuisance (Photo 1)	
Cell CC3 A top deck • waste was being placed • No civil or geotechnical issues noted	
Cell CC3 A lower waste face • waste was placed on top of plastic interim cover and compacted • No civil or geotechnical issues noted	
Erosion Protection systems • all systems installed at site performed are in good shape • wattles are stockpiled at the landfill in preparation of winterization according to Republic.	
Drainage system • Basin A: – Basin was cleaned and all soil removed – there is a risk of soil sloughing of from the side slope recently worked during the grading operations for Edison new power poles (Photo 2) but the volume of soil should be minimal and not affect the performance of the basin. Soils that will slough off could be removed next spring after the 2016-2017 rainy season • Basin B: – totally clean • Basin D – totally clean – the drainage ditches along the side of the canyon are clean and open into the basin • Terminal Basin	

UltraSystems

– the basin is cleaned-up. – Republic is installing a row of gabions midway in the basin to slow down water and allow sedimentation ahead of the decant towers (Photo 3). – vegetation is still growing in cracks in walls on terminal basin
Overall landfill inspection. • No slope stability issues were noted during the site tour. • The trench around the ring foundation of the water tank need backfilling to reduce the risk of erosion (Photo 4)
1:00 – 1:45 Close-out meeting with Republic Staff
FURTHER REVIEW NEEDED
COMMENTS
Signed:

UltraSystems

Photo 1: BMP for stormwater control at new pole pad #38

Photo 2: Soil on slope of Basin A

UltraSystems

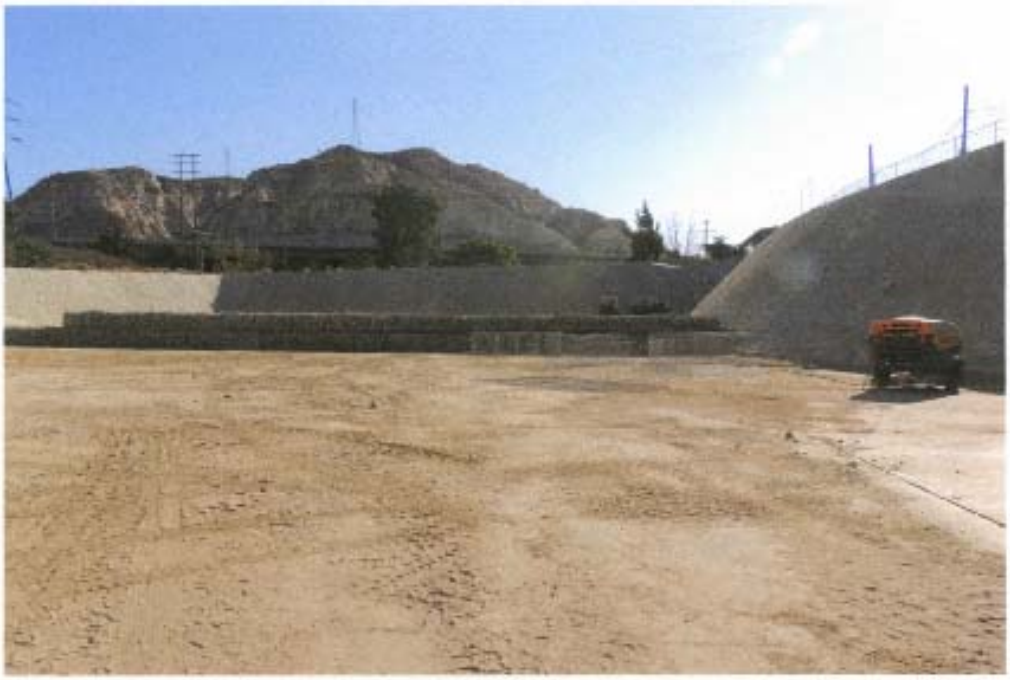

Photo 3: Gabion structure in Terminal Basin

Photo 4: Ring foundation of water tank

September 27, 2016:

James Aidukas (UltraSystems)

Mike Lindsay (UltraSystems)

UltraSystems

SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT

Monitor: James Aidukas	Page: 1 of 2
Discipline: Project Manager	Date: 9/27/16
Site Conditions: Clear and sunny, 80-95˚F with 5-15 MPH wind	

SITE LOG

Republic Site Manager - Rob Sherman

Drove the adjacent Granada Hills neighborhood from 6:30 to 7:30 a.m. Observed the wetted trails of trash liquids on Balboa near Woodley (Lisette on the other side of Balboa) at 7:00 a.m. There was a smell of trash coming off the pavement. Continued to drive the Granada Hill neighborhood and did not detect any landfill odors. Drove to San Fernando Road near the I-5 overpass. The amount of rock and dirt dumped on the shoulder of the road has increased. The amount and extent of trash, furniture, tires and construction debris has extended 200 feet or more. During the rains, this will cause a roadway hazard.

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

- Drove to the greenwaste facilities on Blucher Avenue. No offsite odors were detected.
- Drove to Sierra Highway near the I-14 overpass. North of the overpass, there was dirt and broken concrete dumped on the shoulder of the road. This may be beyond Republic's monitoring area.
- Near the I-14 overpass, there was a sheet of plywood and miscellaneous trash dumped. A I-14 overpass pillar was graffitied.
- Drove around the Rancho Cascades neighborhood and no landfill odors were detected. The illegal dumping at the end of Nicholas Drive has increased.
- The hillside retaining wall south of the landfill entrance soil loading condition has not changed. No soil has been removed from the top of or from in front of the wall.
- Met with Gabriel Esparza and Daniel Paez (LACDPW) and had a brief meeting with Ricky Dhupar. We then returned to monitoring the site with the County staff joining us.
- Two working areas were operating: CC 3A and CC 3B. Both were using ADC. CC-3A had approximately 60% of the ADC covered by 10:00 a.m. A tipper was in use. CC-3B had approximately 90% of the ADC covered by 10:00 a.m. Two tippers were in used. The majority of the waste stream was being deposited in CC-3B.
- The drainage control system from CC-3B to the terminal basin was in place. A temporary dirt basin was constructed downstream of Cell CC-3B. The internal wall of the basin is lined with rock. The outflow goes into a concrete channel to the terminal basin. Also, the main access road box culverts go into a concrete channel to the terminal basin. The inlet to the basin has two new 60" corrugated steel pipes set in concrete. This drainage control system is ready for use.
- The gabion rock wall in the center of the terminal basin is compete, approximately 10 feet high and 80% of the basin in width. The wall is intended to slow down the flow to drop out sediment.
- The outlet risers had clean rock cemented in place around their base.
- Vegetation was growing out of the top concrete flat area and exterior and interior walls of the terminal basin.

Page 2 of 2, 9/27/16:

- Windblown litter was noted around the basin exterior wall and the San Fernando Road block wall.
- The potable water delivery piping in the graywater handing areas is leaking at the pressure regulator valve and at the pump block valve.
- There was a localized liquids odor at the sewer deep well pump area.
- The oil field south entrance gas was locked.
- Construction personnel were active grading slopes and placing straw wattles at numerous slope location to have them completed and ready to handle rain events before mid-October.

Flare Operating Conditions:

- Flare 1 - did not monitor
- Flare 3 - shut down
- Flare 9 - 1655°F, 3193 SCFM, -62" vacuum, 29" out
- Flare 10 - shut down

The gas-to-energy plant was using 8064 SCFM of recovered landfill gas. The facility was at 100% production.

FURTHER REVIEW NEEDED
COMMENTS
Signed: 

UltraSystems

SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT

Monitor: Mike Lindsay	Page: 1 of 2
Discipline: Environmental Engineer	Date: 09-27-2016 Tuesday
Site Conditions: Mostly Clear, 80–95 °F, 3–18 mph, 18% RH	

SITE LOG

1. Met with Jim Aidukas (UltraSystems).
2. No odors were detected at the greenwaste facilities along Blucher Avenue.
3. Sierra Highway has illegally dumped ruble along roadside.
4. No odors were detected in adjacent Rancho Cascades neighborhood.
5. Met with Gabriel Esparza and Daniel Paez (LACDPW), and checked into office and with Ricky Dhupar (Republic).
6. Cell CC-3A working area is in good order, with tippers and water misters in operation. ADC is 60% covered at 9:50 AM.
7. Cell CC-3B working area is in good order, with two tippers and water misters in operation. ADC is completely covered at 10:15 AM.
8. Terminal Basin is clean and ready for the rainy season. A new gabion rock wall is in place, about ten feet high, and running across 80% of the basin width at mid-point. The three vertical riser drains have been reinforced at their base with rock cemented in place.
9. Vegetation is growing in concrete cracks along Terminal Basin upper north walls.
10. New toe berm drainage channel above Terminal Basin has been poured, with rock and drains installed at low collection points.
11. Potable water station by landfill entrance has three water leaks at pipe valve, vent and pipe surface.
12. Retaining wall by landfill entrance is impacted with soil at known locations.
13. Oil field perimeter gate is closed and locked.
14. Observed overall landfill operations from the viewing area below Flare 3.
15. Sediment Basin A is clear of all soil and rock.
16. Sediment Basin D is in good condition, ready for wet weather.
17. Observed dust clouds along scraper haul route, along westside perimeter.
18. The Gas-to-Energy plant is running at full capacity.
19. Flare 9 is operating at 3120 scfm, 1652 °F, with blowers 2, 3 and 4 active. Gas sample measured at 47 % Vol. CH4, 1.4 % Vol. O2, 68 ppm H2S and over 500 ppm CO. Gas inlet temperature is at 156 °F.
20. Flare 10 is offline.
21. Met with Patti Costa (by phone), Tyson Ross and Ricky Dhupar (Republic), and discussed our site monitoring observations.

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FURTHER REVIEW NEEDED

1. Remove dumped debris along Sierra Highway.
2. Remove vegetation growing in concrete cracks along Terminal Basin upper north walls.
3. Repair water leaks at potable water station.
4. Remove soil at retaining wall by landfill entrance.
5. Utilize more dust control measures for scraper haul route.

Signed: Michael W. Lindsay

Appendix IV
Meeting Logs

Sunshine Canyon Landfill
Meeting Log for July 2016 Site Monitoring

July 12, 2016

Post-monitoring meeting with Patti Costa, Republic Environmental Manager and Ricky Dhupar, Republic Environmental Specialist.

Attendees:
Dave Nguyen, LACDPW
Gabriel Esparza, LACDPW
James Aidukas, UltraSystems
Tarik Hadj-Hamou, 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 asked for the status of removing the sloughed soils from in front of and on top of the retaining wall on San Fernando Road south of the landfill entrance.
   - Patti Costa stated that the sloughed soils will be removed before the fall rains.

b. Mike Lindsay stated that we observed that the Edison project graded areas had drainage v-ditches and straw wattles in place and were sprayed with a mulch. Mike Lindsay asked if the mulch contained seed.
   - Patti Costa stated that the area was hydroseeded using the approved seed mix from 2012.

c. Dave Nguyen asked for the status of the revegetation efforts on City Deck A and B.
   - Patti Costa stated that they have talked with Joe Decruyenaere, L.A. County biologist, and are preparing a revegetation plan to move forward.

d. Mike Lindsay asked for the status of the vegetation, rare plants and animals, and oak tree surveys for the area within the proposed stabilization area buttress.
   - Patti Costa stated that they are in the process for a tree survey and a detailed vegetation survey.

e. Jim Aidukas stated that no liquid odors were detected along the haul road, but that a brief and strong gas odor was detected in the corner turn of the access road below Cell CC-3A.
   - Patti Costa stated that liquids have been a problem in this area, and the liquids removal and handling system has been expanded and the localized odors should be controlled.

f. Jim Aidukas stated that we observed that the City lined pump lift basin below the Cell CC-3A western slope was removed.
   - Patti Costa stated that this area is now the Cell CC-4 Part 5, Stockpile #1 area. She also stated that Cell CC-4 Part 1 was going to be lined in October.

g. Jim Aidukas asked what the status was for the start of grading for the Flare 11 site.
   - Patti Costa stated that the Flare 11 excavation work will begin July 25.

h. Jim Aidukas stated that the bulldozer by Sediment Basin A is still leaking oil on the ground.
   - Patti Costa stated that they will take care of having it contained.

i. Jim Aidukas asked for the status of removing the vegetation that is growing out of cracks in the Terminal Basin interior and exterior walls.
   - Ricky Dhupar stated that they are looking into what would be best to remove and control the vegetation and to seal the cracks.

j. Jim Aidukas asked for the status of repairing the erosion issues on the County sage slope areas.
   - Patti Costa stated that they are looking into a solution for this area.

The meeting was then adjourned.

July 27, 2016

Post-monitoring meeting with Ricky Dhupar, Republic Environmental Specialist and Mat Eaton, Republic Environmental Engineer.

Attendees:
James Aidukas, UltraSystems
Michelle Tollett, 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 the monitoring team observed that some of the oak trees on the City PM-10 berm have a beetle infestation and are showing stress and have dead branches and leaves.
   - Mat Eaton stated that they will have the vegetation maintenance company look at the oak trees.

b. Jim Aidukas stated that Blower 2 at the Flare 1 station has a gas leak causing a localized odor.
   - Mat Eaton stated that they will have BAS look at the blower and make the required repairs.

c. Jim Aidukas asked if there are plans for planting understory trees and bushes in-between the oak trees at the PM-10 berm area.
   - Ricky Dhupar stated that Patti Costa is looking into what to plant and when to plant.

d. Jim Aidukas stated that the rumble strip at the Cell CC-3B exit is full of dirt and positioned so trucks can drive around it.
   - Mat Eaton stated that they will have it corrected.

e. Mike Lindsay stated that soil needs to be removed from Sediment Basin A.
   - Mat Eaton stated that Sukut was requested to remove it by mid-September.

f. Jim Aidukas stated that one turbine at the gas-to-energy plant went offline due to high O_2 (oxygen) levels just before this meeting.
   - Mat Eaton stated that the field is at 0.8 % volume O_2, so the field is not the problem. A plant malfunction must have caused an O_2 spike.

g. Mike Lindsay stated that we observed soil erosion at the drainage V-ditch and slope above the Flare 1 station.
   - Ricky Dhupar stated that Patti Costa is having Sukut look into the controlling and repairing the erosion.

h. Michelle Tollett asked for the status of the tree, rare plants and animals, and vegetation surveys for the stabilization area buttress above power pole 15.
   - Mat Eaton stated that those surveys are in the planning process now.

i. Mike Lindsay stated that we observed wind-blown trash in the native vegetated hillsides at the back of Sediment Basin B.
   - Mat Eaton stated that they will have it cleaned up.

j. Jim Aidukas stated that Republic should request that the Gas Company provide traffic control at the left-turn light into the landfill entrance due to the impacts to traffic from their pipeline construction activity.
   - Mat Eaton stated that Republic will investigate if the LEA can make that request.

k. Jim Aidukas stated that more illegal dumping of dirt has occurred on San Fernando Road near the I-5 overpass.
   - Ricky Dhupar stated that they will call 311 to report the problem.

l. Jim Aidukas asked if Republic was going to receive soil from the Devil's Gate retention basin clean-up.
   - Mat Eaton stated that Rob Sherman was working on resolving any outstanding issues concerning the soil being delivered and used at Sunshine.

The meeting was then adjourned.

Sunshine Canyon Landfill
Meeting Log for August 2016 Site Monitoring

August 24, 2016

Post-monitoring meeting with Ricky Dhupar, Republic Environmental Specialist, Rob Sherman, Republic General Manager, briefly joined near the end of the meeting

Attendees:
James Aidukas, UltraSystems
Mike Lindsay, UltraSystems

Discussion:

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

a. Jim Aidukas stated that landfill odors were detected in the adjacent neighborhood on Timber Ridge at 6:30 AM and confirmed again at 7:30 AM.
   - Ricky Dhupar acknowledged the statement, and mentioned that gas recovery well construction was underway at that time and perhaps well maintenance was responsible for the odors.

b. Jim Aidukas stated that some illegal dumping had occurred on Sierra Highway.
   - Ricky Dhupar acknowledged the statement and stated that he would advise the operations staff.

c. Jim Aidukas stated that the illegal dumping near Rancho Cascades is getting worse. This area is outside of Republic's clean-up area.
   - Ricky Dhupar stated that he will let the LEA know about the situation, and will call 311 to report the illegal dumping.

d. Jim Aidukas stated that some of the oak trees on the City south PM-10 berm were dying.
   - Ricky Dhupar stated that they are getting two quotes, one from Greg Ainsworth and one from Oakridge, to assess and treat the oak trees.

e. Jim Aidukas stated that the terminal basin has some vegetation growing in cracks within the internal concrete walls.
   - Ricky Dhupar acknowledged the statement and stated that the external walls had the vegetation removed and the cracks sealed. The internal walls will be taken care of soon. He also mentioned that they are considering different systems in the terminal basin to slow down the rain water to lower the total dissolved solids in the discharged water.

f. Mike Lindsay stated that there are two minor water leaks at the potable water supply pumps.
   - Ricky Dhupar stated that he will have the maintenance contractor investigate and repair any leaks.

g. Mike Lindsay asked what the status was of the Posi-Shell demonstration project.
   - Rob Sherman stated that they are waiting for City/ County approval for trying Posi-Shell, which is considered an intermediate cover.

h. Mike Lindsay asked if a paleo monitor is present at the Flare 11 excavation site.
   - Ricky Dhupar stated that there is a paleo monitor onsite every day of excavation.

The meeting was then adjourned.

Sunshine Canyon Landfill
Meeting Log for September 2016 Site Monitoring

September 14, 2016

Post-monitoring meeting with Patti Costa, Tyson Ross, Mat Eaton and Ricky Dhupar (Republic).

Attendees:
James Aidukas, UltraSystems
Tarik Hadj-Hamou, 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 red truck with a round bottom trailer operated by Cesar R Trucking from South Gate that passed us on the main access road was extremely odorous. This truck dumped its load in Cell CC-3A
   - Patti Costa acknowledged the statement and stated that she would check with the scalehouse staff to get details on the source.

b. Jim Aidukas stated we detected gas emissions coming from the top of Cell CC-3A slopes along the dirt access road to Cells CC-3A and CC-3B.
   - Mat Eaton stated that they were replacing a gas valve in that area.

c. Jim Aidukas stated that landfill perimeter boundary markers have been removed due to Edison site grading and that they have not been replaced..
   - Patti Costa stated that they are waiting for the County to approve the Cell C-4 buttress design and do that grading before having the survey crew replace the PVC boundary markers.

d. Jim Aidukas asked if the new secondary access road from the Flare 11 pad to Coltrane Road had been graded.
   - Tyson Ross stated that it had been rough graded. Final grading and paving will be done soon.

e. Jim Aidukas stated that the traffic control measures at the landfill entrance were working, but not at Balboa Boulevard. Traffic was backing up
   - Tyson Ross stated that the gas company stated that the City dictated the work hours of 3 AM to 3 PM even though that has road and traffic impacts during peak traffic hours.

f. Tarik Hadj-Hamou stated that Sediment Basin A will probably have some soil fall into the basin from the south hillside graded areas during heavy rain events this winter.
   - Patti Costa acknowledged the statement and stated that operations staff will be watching for any sediment problems.

g. Jim Aidukas asked if the liner construction contractor found the edge of the landfill liner for the Cell C-4 extension.
   - Patti Costa stated that they had not found the total edge. The records in that area are poor and the only way to find the edge is by digging.

h. Jim Aidukas stated that we observed the Deck A water tank pad had road base rock material placed on the graded dirt. The water tank foundation, however, only had part of its foundation backfilled.
   - Patti Costa acknowledged the statement and will follow up on completing the backfilling.

i. Jim Aidukas stated that there is wood waste and debris adjacent to Sediment Basin D.
   - Patti Costa stated that they need to move that material to the greenwaste area, and will schedule it with the next tree removal project.

j. Jim Aidukas stated that someone is smoking cigarettes by the water tank.
   - Tyson Ross acknowledged the statement and will pursue rectifying it.

k. Jim Aidukas asked if there was any progress on the dying oak trees at the PM-10 Berm.
   - Ricky Dhupar stated that their biologist Greg Ainsworth thinks they are being overwatered and possibly causing a fungus.

l. Mike Lindsay stated that the downcomer drain by Edison power pole number 38 still needs a attractive nuisance guard.
   - Patti Costa acknowledged the statement and stated that she would pass that on to Edison.

m. Mike Lindsay stated that there was windblown litter and debris at the back of Sediment Basin A.
   - Patti Costa stated that they will have the material removed.

n. Mike Lindsay stated that there was wind-blown litter at the back of Sediment Basin B.
   - Tyson Ross stated that they will see if it can be reached, considering the steep slope.

o. Jim Aidukas stated that we observed liquids dripping on the main access road pavement from some of the double haul trucks.
   - Tyson Ross stated that they will talk to the scalehouse staff and with the haulers to resolve this issue.

The meeting was then adjourned.

September 27, 2016

Post-monitoring meeting with Patti Costa (by phone), Tyson Ross and Ricky Dhupar (Republic).

Attendees:
Gabriel Esparza, LACDPW
Daniel Paez, 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 he drove the adjacent neighborhood early this morning and encountered Rob Sherman (Republic) walking the neighborhood. He mentioned to Mr. Sherman that he observed that trash trucks using Balboa Boulevard were leaking liquids onto roadways at Balboa Boulevard and Woodley Avenue. He discussed with Mr. Sherman the possibility of having the City street sweepers wash and sweep this area. Mr. Sherman mentioned that Balboa was restricted to local pick-up trash truck traffic.
   - Patti Costa acknowledged the statement and stated that she would follow up with Mr. Sherman.

b. Jim Aidukas stated that San Fernando Road at the I-5 overpass has rock, soil, and trash being illegally dumped, and there is a new water tie-in and meter at a hydrant. Jim Aidukas asked if the Gas Company was using water from that location.
   - Patti Costa stated that she does not know, but understands that the pipeline work was well controlled.
   - Ricky Dhupar stated that he will also follow-up with the City regarding the illegal dumping.

c. Jim Aidukas stated that there were piles of dirt along Sierra Highway north of the I-14 overpass.
   - Tyson Ross stated that the County or City may have stockpiled material for their stormwater runoff control.

d. Jim Aidukas stated that there was a sheet of plywood and debris dumped just north of the I-14 overpass on Sierra Highway. Also, one of the columns was graffitied.
   - Ricky Dhupar stated that he would notify the clean-up crew.

e. Jim Aidukas asked if Republic got a response from calling 311 regarding the illegally dumped construction debris and trash at the end of Nicholas Drive in the Rancho Cascades neighborhood.
   - Ricky Dhupar stated that the City (311) said they only remove debris from roadways. He stated that he was told to call code enforcement, which he will do.

f. Jim Aidukas stated that the potable water supply piping has three leaks.
   - Tyson Ross stated that they will have them repaired.

g. Jim Aidukas stated that a liquids vapor odor was detected by the sewer deep well pump vault, and seemed to be either coming from the vault or the carbon drum vent.
   - Tyson Ross stated that they will investigate the problem.

h. Jim Aidukas asked Republic staff to explain the design approach for the new features constructed for rainwater going to the Terminal Basin.
   - Tyson Ross stated that they are in the process of installing another gabion sediment wall at the basin entrance, all to slow down the rainwater and help drop the sediment out well before the riser drains. They will also be installing a skimmer system to help discharge only sediment-free water.

i. Jim Aidukas stated that there is wind-blown trash around the exterior wall of the Terminal Basin and the block wall on San Fernando Road.
   - Patti Costa stated that they will have the debris removed.

j. Jim Aidukas stated that there is vegetation growing in concrete cracks on the top and interior walls of the Terminal Basin.
   - Tyson Ross stated that they will remove the vegetation.

k. Mike Lindsay asked for the status of soil removal from the San Fernando Road retaining wall and the trimming of the oak trees over the DWP powerlines.
   - Patti Costa stated that they will coordinate with the power company for a site meeting, and that they will contact GLA again and take care of analyzing what to do with the soil on top of the wall.

l. Jim Aidukas stated that dust clouds were observed coming from scraper haul routes.
   - Patti Costa stated that they will talk with Sukut again about increasing water on the haul route.

m. Jim Aidukas asked what the status was of finding the liner tie-in for Cell CC-4A.
   - Tyson Ross stated that they are not down to the tie-in elevation.

n. Gabriel Esparza stated that it took ten minutes to get through the truck queue this morning at the landfill entrance.
   - Tyson Ross stated that they hold trucks until 9 AM, which causes a stack-up.

o. Jim Aidukas asked if the Flare 11 alternative access road was almost done.
   - Tyson Ross stated it has been completed, and the V-ditches, final grading, and paving are all that is left to do.

The meeting was then adjourned.