Sunshine Canyon Landfill
Independent Monitor
Quarterly Site Monitoring Status Report
October 1, 2016 – December 31, 2016

Prepared For:

City of Los Angeles Department of City Planning

And

County of Los Angeles Department of Regional Planning

Prepared By:

UltraSystems
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Prepared On:

April 19, 2017

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environmental | management | planning

CERTIFICATION STATEMENT

April 19, 2017

The attached Quarterly Site Monitoring Status Report for the Sunshine Canyon Landfill dated April 19, 2017 is the Fourth Quarterly Report for 2016, issued by UltraSystems. This report covers the monitoring period from October 1, 2016 through December 31, 2016 and is prepared for the City of Los Angeles Department of City Planning and the County of Los Angeles Department of Regional Planning.

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

Signed,

James T. Aidukas

Project Manager

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Contents

Quarterly Status Report

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

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

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

This Quarterly Report provides the City of Los Angeles Department of Planning and the County of Los Angeles Department of Regional Planning with a concise status of the Mitigation Measure Monitoring for the period of October 1, 2016 to December 31, 2016. It includes:

1. The City and County Mitigation Monitoring Summary spreadsheets for October 1, 2016 to December 31, 2016. These spreadsheets record the areas of monitoring completed and the status of being compliant during the fourth quarter of 2016;

2. A Status Summary of Non-Compliant, Further Review Needed and Compliant with the requirements of the conditions and/or mitigation measures;

3. Photo Location Map and Relevant Site Photos showing site conditions of key areas of the landfill during this quarter;

4. Site visit attendees by date of site visit and the mitigation monitoring site report from each monitor;

5. Meeting logs documenting any meetings with Republic staff and/or public agencies, with the topics discussed; and

6. Any site monitoring documenting site changes.

Site Visits During the Quarter

Four site visits were performed by UltraSystems during the October through December 2016 quarter in order to observe operational site activities and determine compliant status with conditions and/or mitigation measures. They were performed on October 11, 2016; November 1, 2016; November 29, 2016; and December 14, 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 the 4th Quarter, a buttress design to support CC-4 Part 3 was submitted to the County Department of Public Works. This buttress is outside of the prior-approved landfill footprint. The buttress includes removal of native vegetation and trees. The County Department of Public Works is in the review process.

In October, the grading for the Flare 11 site was completed. A site alternative access road was graded and road base was placed. In November, the roadway was paved, drainage control systems constructed, and jute netting with hydroseeding was put on all cut slopes and decks.

Cell CC-4 Part 1 was under construction with the cell bottom and adjacent slopes being graded, and the initial phases of liner being installed.

Cells CC-3A, CC-3B and County top deck Phase IV and Phase V areas were operational and accepting waste, and using ADC for cover. Due to Cell CC-4 Part 1 construction, access roadways were changed. A portion of the main roadway was realigned to use the roadway to Cell CC-3A as the primary disposal road to all fill areas.

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 – The development of Cell CC-4 Part 1 and the use of the County top deck Phase IV and V areas required an access road realignment and a new disposal road on the eastern side of the County top deck area. Recycled asphalt and aggregate was used for the road. However, after major rain events, portions of the road needed to be repaired with soil. During dry and high wind conditions, blowing dust was observed coming from the County top deck disposal area access roads.

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

Current Status/Comments – During this quarter, graffiti was seen on overpass pillars and walls at San Fernando Road and the I-5. Although this is beyond Republic's required clean-up boundary, the area should be patrolled periodically and graffiti should be reported to the proper City 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 mid-October, the gas-to-energy plant was operating at 100% energy production using 7753 SCFM of recovered landfill gas, 47.7% methane and 2.65% oxygen. Flare 1 – 1587 SCFM; Flare 3 – shut down; Flare 9 – 3714 SCFM; Flare 10 – shut down.

In early November, the gas-to-energy plant was not operating. Flare 1 – 1630 SCFM; Flare 3 – shut down; Flare 9 – 4042 SCFM; Flare 10 – 4205 SCFM.

In late November, the gas-to-energy plant was operating at 100% energy production using 8180 SCFM of recovered landfill gas, 47.1% methane and 5.54% oxygen. Flare 1 – not monitored; Flare 3 – shut down; Flare 9 – 2787 SCFM; Flare 10 – shut down.

In mid-December, the gas-to-energy plant was not monitored. Flare 1 – 1652 SCFM; Flare 3 – shut down; Flare 9 – not monitored; Flare 10 – not monitored.

Planning for expanding the renewable energy facilities should begin when the quantity and quality of gas being flared can support the installation of a new facility or an expansion of the existing facility. The typical time required for planning, funding and permitting a renewable energy facility is four years, or more.

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

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

hydrants, specifically defined by the County Fire Department. New construction water tanks, water mains and fire hydrants will be completed to meet the fire flow requirements of the Fire Department.

Current Status/Comments – In mid-October, the Flare 11 secondary access road was completed with road base surfacing.

In November, the Flare 11 site secondary access road was paved and connected to the ridgeline fire roads to Coltrane Road at the I-5 Freeway. Rainwater drainage control systems were constructed and jute netting was placed on cut slopes and decks along with hydroseeding of the areas.

An updated fire plan showing the new locations of all facilities and emergency egress should be prepared and sent to the local City Fire Department station and City and County Planning when construction of the new operation's facilities currently under construction have been completed. Emergency egress should be posted for employees and customers.

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 4th Quarter, future out-of-approved landfill footprint grading was proposed for a CC-4 Part 3 cell buttress. Grading plans were submitted to the County Department of Public Works for approval. The only grading that occurred during this time was for the development of Cell CC-4 Part 1 and the removal of stockpiled soil for waste cover. These areas were inside the approved landfill footprint.

Access roads were being maintained around the working area for emergency access. The secondary access road to Coltrane Road up the Flare 11 slopes was completed.

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

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

M-4.2.12 (28) (City)
Site Erosion
c. A temporary vegetation cover shall be established on all slopes that are to remain inactive for a period longer than 180 days.
d. An SCAQMD approved soil stabilization (sealant) product shall be used to retard soil erosion and enhance revegetation. Soil sealant shall be applied when necessary to selected working areas of the landfill. The sealant will also be used as a binder or tackifier to hold seen during revegetation mulch, and fertilizers in-place until grasses become establish and stabilize on the landfill surface.

Geology-1.13 (County)
Revegetation and erosion control of all exposed slopes will be an ongoing process. The erosion controls to be implemented at the site will include soil stabilization measures and revegetation in accordance with the approved Revegetation Program. The installation of interceptor ditches shall be designed for the diversion of storm runoff to sedimentation basins. Sediment traps will be used at points of runoff concentration along the perimeter of exposed slopes surfaces.
Condition: Approval of drainage plan. Retention of a consulting horticulturalist/Registered Professional Forester and an independent qualified biologist by the permittee for ongoing supervision of revegetation programs. Review and monitoring of planting programs by County Forester.

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

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

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

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

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

Revegetation - 44.F/44.F CUP (County)
F. The Permittee shall employ an expert or experts, including an independent, qualified biologist, to satisfy this Condition No. 44. Soil sampling and laboratory analysis shall be conducted in all areas that are required to be re-vegetated before any re-vegetation occurs to identify chemical or physical soil properties that may adversely affect plant growth or establishment. Soil amendments and fertilizer recommendations shall be applied and plant materials selected, based on the above-referenced testing

procedures and results. To the extent possible, plant types shall blend with species indigenous to the area, be drought tolerant, and be capable of rapid growth. The selected plants shall not include non-indigenous species that are likely to be invasive of adjacent natural areas.

Current Status/Comments – During the 4th Quarter, alternatives to hydroseeding on interim and inactive slopes and decks for slope stability and dust control were being used. Jute netting and plastic netting were being used on slopes. No hydroseeding of slopes or decks was done in 2016 except for the slopes that were graded for Edison pole installations. 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 netting, or alternative surface netting.

Soil sealant was not being used during high wind periods to control dust. On high wind days, blowing dust was observed when wind gusts occurred.

M-4.1.1 (7) (City)
Prior to the initiation of grading activities, the project proponent shall undertake, if necessary, reabandonment procedures as required by the California Department of Conservation, Division of Oil, Gas, and Geothermal Resources.

Current Status/Comments – During the 4th Quarter, 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 should be done after final grades are reached.

An additional old abandoned oil well was observed adjacent to the new secondary access road at the top of the Flare 11 slope. This well should be re-abandoned.

M-4.1.6 / 18 (City)
Survey monuments shall be installed around the perimeters of the outer fill areas at points where they would not be subject to disturbance by landfill development and marking the 500-foot setback from the more restrictive zone. The exact spacing, location, and characteristics of the survey monuments shall be submitted to and approved by the City Local Enforcement Agency (LEA).

Current Status/Comments – The landfill perimeter boundary survey PVC pipe markers were 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-4 Part 3 landslide buttress is constructed.

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 mid-October, between 7:00-8:00 a.m., there was a slight landfill background odor detected at Sesnon Boulevard and Orozco Street. Wetted trails of liquids were seen on Balboa Boulevard near Woodley Avenue and there was a slight smell of trash coming off the pavement. The North Hills greenwaste recycling facilities on Blucher Avenue had strong greenwaste odors. Some packer trucks entering the landfill were seen dripping liquids from the bottom of the back cover of the packer. Some of the packer trucks were observed not cleaning their lid seals of waste after dumping.

In early November, it was observed that some liquid was spilled on the pavement at the intersection of Balboa Boulevard and Woodley Avenue, which had a faint garbage smell. The inside traffic lane pavement on Balboa appeared to have been previously washed and swept by a street sweeper. The liquid handling system along the main access road adjacent to Cell CC-3A slopes was being worked on. Localized liquid odors were detected. The future Cell CC-4 Part 1 was being worked on. Liner tie-ins and grading were being performed. Localized gas or liquids odors were detected at liner tie-in points that were being worked on. A localized gas odor was detected by gas wells CTC-625 and 703.

In late November, there was a slight trash odor at Timber Ridge Drive at 7:15 a.m. which was not detected 30 minutes later. There were no other adjacent neighborhood locations where odor was detected. The sewer deep well pump vault area was odorous and the odors could be detected on San Fernando Road. Trucks entering the landfill were observed dripping liquids on the main access road near the oil field road turn-off. There was a localized odor detected near CS-30. A 12" HDPE gas header on a Cell CC-3A slope was leaking gas, with duct tape being used to stop the leak.

In mid-December, there was a landfill odor hanging in the moisture-laden cold air over the adjacent neighborhood at Timber Ridge and Canyon Ridge, Woodley and Balboa, Sesnon between Orozco and Constable, and the Balboa I-5 overpass. Later in the morning, when the temperature had warmed up and the fog/moist air dissipated, so did the odor. The leachate treatment facility appeared to be shut down and had a strong leachate odor coming from the Pure Carb vessel, from an open quick connect fitting. A strong, localized condensate odor was detected around the deep well pump sewer connection in the graywater facility area.

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

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

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

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

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

During the 4th Quarter, surface drainage systems were in place to intercept or divert rainwater away from prior landfill cells and current filling operations. Most of these were temporary rainwater control systems in inactive areas, and most conveyed rainwater in V-ditches that were unlined. Cell CC-4 Part 1 had a drainage system to a low point sump.

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

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

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

Current Status/Comments – In mid-October, the slopes that were void of vegetation had straw wattles placed on them to control erosion. Rock gabions were constructed on the Old City South landfill access road, in the westside drainage channel and across the inlet and within the Terminal Basin to slow down the flow of water and drop out sediment. All basins were cleared of sediment and ready for the winter rains. A temporary basin was constructed below Cell CC-3B to control runoff from CC-3B and portions of CC-3A. Concrete channels were constructed to channel westside drainage channel and CC-3B basin water flows into the terminal basin.

In early November, the erosion and sediment control systems performed as designed and managed the rainwater and sediment. The erosion on the slopes was minimized due to the straw wattles. Basin D was dry and free of sediment. Basin B and the terminal basin had a minor amount of standing water and sediment. Basin A could not be driven to.

In late November, Basin A had a significant amount of standing water and sediment. Basin D was dry with no sediment. Basin C and the terminal basin had minor amounts of standing water. Significant rain occurred during this period.

In mid-December, the terminal basin had a minor amount of sediment and standing water. All other basins were not monitored.

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 mid-October, vegetation was growing out of cracks in the terminal basin concrete sidewall. Cracks in the concrete should be repaired. The frontage retaining wall and walkway along San Fernando Road had no maintenance performed.

In late November, vegetation was removed from the terminal basin concrete walls and top. Cracks were filled with epoxy. The retaining wall south of the landfill entrance had more soils slide down against the wall fence and on top of the wall drainage. This additional load could pose a problem.

In mid-December, the retaining wall along San Fernando Road had additional dirt accumulate on the top of the wall and against the fence. Winter rains could cause more sloughing and water log existing soils that are on top of the wall.

M-4.4.1(60) (City)

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

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

Current Status/Comments – In mid-October, City Deck C PM-10 berm oak trees had some trees dying from an unknown cause. The majority of the trees were in good condition and growing. Deck C sage mitigation plants were starting to show signs of winter conditions and were greening up. Deck A sage was greening up. No non-native removal was being done in this area.

In mid-December, sage mitigation on Deck C was doing well with new sage plant growth observed. The PM-10 oak trees had some trees with die-back and possible bark infestation. Republic needs to monitor this condition.

Throughout the 4th Quarter, no sage mitigation activity was performed in the County sage area.

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, City Recreation and Parks, and Republic were finalizing an agreement to use the Chatsworth Reservoir as a wetland mitigation site. The agreement, once finalized, will need DWP Board and City Council approval.

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 mid-October, San Fernando Road near the I-5 overpass had an increase in the amount of debris, rock and rubble, and soil that was illegally dumped. The Rancho Cascades area had additional illegal dumping on the DWP parcel. These two areas are not within Republic's clean-up area. Sierra Highway near the I-14 overpass had debris, rock and rubble illegally dumped on the roadway shoulder.

In late November, there was an increase in illegal dumping on DWP property in the Rancho Cascades neighborhood. San Fernando Road at the I-5 overpass had additional dirt dumped on the roadway shoulder, and more debris and trash dumped adjacent to the roadway. These two areas are not within Republic's clean-up area.

In mid-December, a DWP City crew was at the Rancho Cascades DWP powerline right-of-way property. A City DWP area maintenance manager stated that they were permanently blocking Nicholas Avenue's public access to the general area of their powerline right-of-way and their property. He stated that the illegally dumped material would be removed. He also stated that this illegal dumping is occurring in many areas throughout the City. Sierra Highway had trash bags dumped along the roadway near the I-14 overpass.

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

Current Status/Comments – Throughout the 4th Quarter of 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 4th Quarter of 2016, a Republic paleontological consultant was not needed on site.

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

Sunshine Canyon Landfill City Mitigation Monitoring Summary
(10-01-2016 through 12-31-2016)

Line #	Reference #	Mitigation #	City Mitigation Measures and Conditions Monitored by Discipline	Monitoring Frequency	Third Quarter 2016																				Fourth Quarter 2016																
					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*	10/11/2016	Status*	Further Review Needed/Comments**	Resolved*	11/1/2016	Status*	Further Review Needed/Comments**	Resolved*	11/29/2016	Status*	Further Review Needed/Comments**	Resolved*	12/14/2016	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-j		✓	C	I-k		✓	C	I-l		✓	C	I-m		✓	C	I-n		✓	C	I-o		✓	C	I-p		✓	C	I-q		✓	C	I-r	
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-k		✓	C	NONE	R	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
18	Q - C.5.		Graffiti Removal and Deterrence	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
19	Q - C.10.c.		Evaluation of Beneficial Gas Usage	June yearly	✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-m		✓	C	I-n		✓	C	I-o		✓	C	I-p		✓	C	I-q		✓	C	I-r	
20	Q - C.10.d. (1)		Alternative Fuel Vehicles	status																																					
21	Q - C.10.d. (2)		Alternative Fuel Refuse Collection Trucks	status																																					
22	Q - C.12.a.		Technical Advisory Committee	info	/				/				/				/				/				/				/				/				/			
23	Q - C.12.c.		Contract for Mitigation Monitoring	info	/				/				/				/				/				/				/				/				/			
24	Q - C.12.c.		Contract for Mitigation Monitoring-5 years	info	/				/				/				/				/				/				/				/				/			
25																																								
26	T - 4		Fire Plan	status	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-m		✓	FRN	I-n		✓	FRN	I-o		✓	FRN	I-p		✓	FRN	I-q		✓	FRN	I-r	
27	T - 5.j.		Trip Diversion	status	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	

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

Sunshine Canyon Landfill City Mitigation Monitoring Summary
(10-01-2016 through 12-31-2016)

Line #	Reference #	Mitigation #	City Mitigation Measures and Conditions Monitored by Discipline	Monitoring Frequency	Third Quarter 2016																				Fourth Quarter 2016																
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28	T - 6		Satisfactory Street Lighting	status	/				/				/				/				/				/				/				/				/			
29																																									
30	M - 4.1.1	7	Reabandonment Procedures	status	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-m		✓	FRN	I-n		✓	FRN	I-o		✓	FRN	I-p		✓	FRN	I-q		✓	FRN	I-r	
31	M - 4.1.4	11	Post-5.0 Earthquake Analysis	upon event	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
32	M - 4.2.12	27	Heavy Equipment Operations	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
33	M - 4.2.12		Heavy Equipment Operations	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
34	M - 4.2.12	28	Site Erosion-Cover	ongoing	✓	C	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	✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-m		✓	C	I-n		✓	FRN	I-o		✓	FRN	I-p		✓	FRN	I-q		✓	FRN	I-r	
37	M - 4.2.13	29	LFG Control Measures	ongoing	/		I-j		/		I-k		/		I-l		/		I-m		/		I-n		/		I-o		/		I-p		/		I-q		/		I-r	
38	M - 4.2.13	30	Operational Odor Control Techniques	ongoing	/		I-j		/		I-k		/		I-l		/		I-m		/		I-n		/		I-o		/		I-p		/		I-q		/		I-r	
39	M - 4.2.13	31	Solid Waste Compaction	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
40	M - 4.2.13	32	LFG Collection and Recovery System	ongoing	/		I-j		/		I-k		/		I-l		/		I-m		/		I-n		/		I-o		/		I-p		/		I-q		/		I-r	
41	M - 4.2.13	33	Odor Control Measures	ongoing	✓	C	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-m		✓	FRN	I-n		✓	FRN	I-o		✓	FRN	I-p		✓	FRN	I-q		✓	FRN	I-r	
42	M - 4.2.13	34	Odor/LFG Monitoring	ongoing	/		I-j		/		I-k		/		I-l		/		I-m		/		I-n		/		I-o		/		I-p		/		I-q		/		I-r	
43			Periodic LFG Monitoring		/		I-j		/		I-k		/		I-l		/		I-m		/		I-n		/		I-o		/		I-p		/		I-q		/		I-r	
44	M - 4.3.2	52	LFG Migration Mitigation	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
45	M - 4.3.2	57	Dust Control Water	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
46	M - 4.4.2	69	Offsite Mitigation Sites	status									✓	FRN	I-l																						✓	FRN	I-r	
47	M - 4.4.2	70	Purchasing Wetland Credit	status	/				/				/				/				/				/				/				/				/			
48	M - 4.4.2	71	Funding-Invasive Species Eradication Program	status	/				/				/				/				/				/				/				/				/			
49	M - 4.6	85	Site Lighting	status	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
50	M - 4.7.1	86	Open Space Buffer Area	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
51	M - 4.9.3	106	Litter Minimization	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
52	M - 4.9.3	107	Litter/Debris Containment	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
53	M - 4.9.3	108	Vehicle Tarping Requirements	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
54	M - 4.9.3	109	Periodic Offsite Litter Pickup	ongoing																																				

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55	M - 4.9.3	110	Illegal Dumping Activities	ongoing	✓	FRN	C		✓	FRN	C		✓	FRN	I-l		✓	FRN	I-n						✓	FRN	I-o		✓	C	NONE		✓	C	NONE		✓	FRN	I-r	
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	
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-j		✓	C	I-k		✓	C	I-l		✓	C	I-m		✓	C	I-n		✓	C	I-o		✓	C	I-p		✓	C	I-q		✓	C	I-r	
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-j		✓	C	I-k		✓	C	I-l		✓	C	I-m		✓	C	I-n		✓	C	I-o		✓	C	I-p		✓	C	I-q		✓	C	I-r	
88	M - 4.1.1	5	Grading Activity Compliance	ongoing	✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-m		✓	C	I-n		✓	C	I-o		✓	C	I-p		✓	C	I-q		✓	C	I-r	
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-j		✓	C	I-k		✓	C	I-l		✓	C	I-m		✓	C	I-n		✓	C	I-o		✓	C	I-p		✓	C	I-q		✓	C	I-r	
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																																				

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99	M - 4.1.6	18	Survey Monuments	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	FRN	I-m		✓	C	NONE		✓	FRN	I-o		✓	FRN	I-p		✓	FRN	I-q		✓	FRN	I-r	
100	M - 4.3.2	47	Landfill Liner	ongoing																																			
101	M - 4.3.2	48	Landfill Liner	ongoing																																			
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-j		✓	C	I-k		✓	C	I-l		✓	C	I-m		✓	C	I-n		✓	C	I-o		✓	C	I-p		✓	C	I-q		✓	C	I-r	
106	M - 4.18	178	Landfill Elevation Exceedance	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-m		✓	FRN	I-n		✓	FRN	I-o		✓	FRN	I-p		✓	FRN	I-q		✓	FRN	I-r	
107																																							
108	Hydrologist																																						
109																																							
110																																							
111	M - 4.1.4	11	Earthquake Operations Checklist	upon event	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
112	M - 4.3.1	36	Surface Water Infiltration Minimization	ongoing																																			
113	M - 4.3.1	37	Surface Drainage Systems	ongoing	✓	C	I-j						✓	C	I-l		✓	C	I-m		✓	C	I-n		✓	C	I-o		✓	C	I-p		✓	C	I-q		✓	C	I-r	
114	M - 4.3.1	38	Permanent/Temporary Ditches	ongoing	✓	C	I-j						✓	C	I-l		✓	C	I-m		✓	C	I-n		✓	C	I-o		✓	C	I-p		✓	C	I-q		✓	C	I-r	
115	M - 4.3.1	39	Drainage Protection	ongoing	✓	C	I-j						✓	C	I-l		✓	C	I-m		✓	C	I-n		✓	C	I-o		✓	C	I-p		✓	C	I-q		✓	C	I-r	
116	M - 4.3.1	40	SWRCB Permit Coverage	ongoing	✓	C	I-j						✓	C	I-l		✓	C	I-m		✓	C	I-n		✓	C	I-o		✓	C	I-p		✓	C	I-q		✓	C	I-r	
117	M - 4.3.1	41	Surface Water Collection System	ongoing																					✓	C	I-o		✓	C	I-p		✓	C	I-q		✓	C	I-r	
118	M - 4.3.1	42	Surface Water Quality Monitoring	ongoing																																			
119	M - 4.3.1	43	Sediment Basin Maintenance	ongoing	✓	FRN	I-j		✓	FRN	I-k						✓	FRN	I-m	R					✓	C	I-o		✓	C	I-p		✓	C	I-q		✓	C	I-r	
120	M - 4.3.1	44	Final Landfill Cover	ongoing																																			
121	M - 4.3.1	45	Erosion Control Plan	ongoing	✓	C	I-j		✓	C	I-k		✓	C	I-l										✓	C	I-o		✓	C	I-p		✓	C	I-q		✓	C	I-r	
122	M - 4.3.1	46	Preventive Maintenance Program	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-m		✓	FRN	I-n		✓	FRN	I-o		✓	FRN	I-p		✓	FRN	I-q		✓	FRN	I-r	
123	M - 4.3.2	49	Interception of Groundwater Seepage	ongoing																					✓	C	I-o		✓	C	I-p		✓	C	I-q		✓	C	I-r	
124	M - 4.3.2	50	LCRS/Leachate Monitoring	ongoing																																			
125	M - 4.3.2	51	LCRS Monitoring	ongoing																																			
126																																							
127	Biologist																																						

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128																																									
129																																									
130	M - 4.1.1	6	Slope Erosion Control	ongoing	✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-m		✓	C	I-n		✓	C	I-o		✓	C	I-p		✓	C	I-q		✓	C	I-r	
131	M - 4.2.11	23	Revegetation/Excavation	ongoing	✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-m		✓	C	I-n		✓	C	I-o		✓	C	I-p		✓	C	I-q		✓	C	I-r	
132	M - 4.2.12		Temporary Vegetation Cover	ongoing	✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-m		✓	C	I-n		✓	C	I-o		✓	C	I-p		✓	C	I-q		✓	C	I-r	
133	M - 4.4.1	60	Coastal Sage Scrub Mitigation Plan	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	R	✓	FRN	I-m		✓	FRN	I-n		✓	FRN	I-o		✓	FRN	I-p		✓	FRN	I-q		✓	FRN	I-r	
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	

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157	M - 4.9.2	100	Operational Vector-Limiting Activity	ongoing																																					
158	M - 4.9.2	101	Equipment Cleanliness/Maintenance	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
159	M - 4.9.2	102	Storage of Vector-Attracting Items	ongoing	✓	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																																					
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																					✓	FRN	I-o		✓	FRN	I-p		✓	FRN	I-q		✓	FRN	I-r	
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	/				/				/				/				/				/				/				/				/				

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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	
192	M - 4.3.2	59	Underground Fuel Storage	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
193	M - 4.9.1	90	Refuse Inspection Program	ongoing																																					
194	M - 4.9.1	91	Hazardous Waste Load-Checking	status																																					
195	M - 4.9.1	93	Hazardous Waste Detection Training	status																																					
196	M - 4.9.1	94	Spill Response Program	status																																					
197	M - 4.9.4	115	Safety Inspections/Checklists	ongoing																																					
198	M - 4.9.4	118	Accident/Injury reports, Inspections	status																																					
199	M - 4.9.4	121	Fire Prevention Plan	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-m		✓	FRN	I-n		✓	FRN	I-o		✓	FRN	I-p		✓	FRN	I-q		✓	FRN	I-r	
200	M - 4.9.4	123	Personal Protective Equipment	ongoing																																					
201	M - 4.9.4	125	Site Access/Fencing	ongoing	✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-m		✓	C	I-n		✓	C	I-o		✓	C	I-p		✓	C	I-q		✓	C	I-r	
202	M - 4.14.1	147	Fire Response Capabilities	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
203	M - 4.14.1	148	Hydrant Installation	ongoing																																					
204																																									
205	Archaeologist																																								
206																																									
207																																									
208	M - 4.19.1	183	Archaeological Resurvey	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
209	M - 4.19.1	184	Onsite Archaeologist	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
210	M - 4.19.1	185	Archaeological Resources	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
211	M - 4.19.1	186	Archaeological Resources	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
212																																									
213	Paleontologist																																								
214																																									
215																																									

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216	M - 4.19.2	187	Paleontological Resources Resurvey	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
217	M - 4.19.2	188	Paleontological Resources Excavation	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
218	M - 4.19.2	189	Paleontological Resources Training	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
219	M - 4.19.2	190	Paleontological Resources Recovery	ongoing																																				
220	M - 4.19.2	191	Paleontological Resources Inspection	ongoing	✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-m		✓	C	I-n		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	

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

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33	Alternative Fuel Vehicles - 77.F	77.F	Alternative Fuel Vehicles-Non-diesel Truck Trip Requirements	status																																					
34	Alternative Fuel Vehicles - 77.G	77.G	Alternative Fuel Vehicles-Clean Fuel Demo Program	status																																					
35	Alternative Fuel Vehicles - 77.H	77.H	Alternative Fuel Vehicles-Compliance Evaluation	status																																					
36	Air Quality Monitoring - 81	81	Air Quality Monitoring-Testing	ongoing	/				/				/				/				/				/				/				/				/				
37			Air Quality Monitoring-Testing																																						
38	IMP - Part I.A	IMP1	Air Quality Monitoring-Testing	ongoing	/				/				/				/				/				/				/				/				/				
39			Air Quality Monitoring-Testing																																						
40	IMP - Part VI	IMP6	Air Quality Monitoring-Testing	ongoing	/				/				/				/				/				/				/				/				/				
41																																										
42	MMRS-12/01/06		Mitigation Monitoring and Reporting Summary	info	/				/				/				/				/				/				/				/				/				
43			Permits																																						
44	Geology - 1.15		Permittee's On-site Solid Waste Recovery and Recycling Program	status	/				/				/				/				/				/				/				/				/				
45	Surface Water - 2.09		SWRCB Permit Coverage	ongoing	/				/				/				/				/				/				/				/				/				
46	Surface Water - 2.15		Surface Water Preventive Maintenance Program	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	R	✓	FRN	I-m		✓	FRN	I-n		✓	FRN	I-o		✓	FRN	I-p		✓	FRN	I-q	R	✓	FRN	I-r	
47	Groundwater - 3.13		Groundwater-LFG Migration Mitigation	ongoing																																					
48	Groundwater - 3.14		Groundwater-Monitoring Wells	ongoing																																					
49	BIOTA – 4.05		Annual Fee Submission for SEA Studies	status	/				/				/				/				/				/				/				/				/				
50	BIOTA – 4.06		Buffer Zone Maintenance as Nature Preserve	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
51	BIOTA – 4.07		Buffer Zone Maintenance-Vegetation	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
52	BIOTA – 4.08		Ridgeline Maintenance-Remain Undisturbed	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
53	BIOTA – 4.47		Cleaning of Equipment	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
54	BIOTA – 4.48		Monitoring of Vector-Attracting Items	ongoing																																					
55	BIOTA – 4.49		Salvaged Material Storage-Vector Control	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
56	BIOTA – 4.50		Vector Activity Monitoring	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
57	Air Quality - 6.03		Dust Emission Minimization	ongoing	✓	C	NONE		✓	FRN	I-k		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	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	/				/				/				/				/				/				/				/				/				
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																																					

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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-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-m		✓	FRN	I-n		✓	FRN	I-o		✓	FRN	I-p		✓	FRN	I-q		✓	FRN	I-r	
77	Odor/Landfill Gas – 7.07		Gas Recovery and Sale	status	✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-m		✓	C	I-n		✓	FRN	I-o		✓	FRN	I-p		✓	FRN	I-q		✓	FRN	I-r	
78	Traffic/Circulation – 8.03		Street Light Installation	status	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
79	Traffic/Circulation – 8.04		Truck Traffic Minimization	status																																			
80	Traffic/Circulation – 8.08		Tipping Fees for Partial Loads/Peak Hours	status																																			
81	Traffic/Circulation – 8.10		Nighttime Landfill Operations Feasibility	status	/				/				/				/				/				/				/				/				/			
82	Traffic/Circulation – 8.11		Parking Management along San Fernando Road	status	/				/				/				/				/				/				/				/				/			
83	Traffic/Circulation – 8.13		Adequate Queuing	status																																			
84	Visual – 10.03		Landfill Flare Locations	status	/				/				/				/				/				/				/				/				/			
85	Visual – 10.04		Confinement of Excavation Cover Material	status																																			
86	Visual – 10.05		Lighting Requirements	status																																			
87	Visual – 10.11		Litter Control Program	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
88	Visual – 10.11		Solid Waste Load Procedures-Improperly Covered/Contained	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
89	Visual – 10.11		Debris Removal at Entrance	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
90	Visual – 10.11		Litter Control-Fencing	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
91	Visual – 10.11		Periodic Litter Pickup	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	FRN	I-o		✓	C	I-p		✓	C	I-q		✓	FRN	I-r	
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	

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(10-01-2016 through 12-31-2016)

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					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*	10/11/2016	Status*	Further Review Needed/Comments**	Resolved*	11/1/2016	Status*	Further Review Needed/Comments**	Resolved*	11/29/2016	Status*	Further Review Needed/Comments**	Resolved*	12/14/2016	Status*	Further Review Needed/Comments**	Resolved*
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	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
122																																							
123	Civil & Geotechnical Engineer																																						
124																																							
125																																							
126	Revegetation - 44.C	44.C	Cut Slope Requirements	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
127																																							
128	Geology - 1.01		Survey Monument Locations	ongoing																																				
129	Geology - 1.02		Seismic Design	ongoing																																				
130	Geology - 1.03		Maximum Refuse Slope Gradients	ongoing																																				
131	Geology - 1.04		Maximum Refuse Slope Gradients	ongoing																																				
132	Geology - 1.05		Unsuitable Material Procedures	ongoing																																				
133	Geology - 1.06		Grading Activities Procedures	ongoing																																				
134	Geology - 1.07		Grading Activities Procedures	ongoing	✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-m		✓	C	I-n		✓	C	I-o		✓	C	I-p		✓	C	I-q		✓	C	I-r	
135	Geology - 1.09		Outer Perimeter Ridgeline Requirements	info																																				
136	Geology - 1.12		Soil Stabilization	ongoing	✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-m		✓	C	I-n		✓	C	I-o		✓	C	I-p		✓	C	I-q		✓	C	I-r	
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	I-o		✓	C	I-p		✓	C	I-q		✓	C	I-r	
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																																				

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145	Groundwater - 3.04		Onsite Inspector for Liner Installation	ongoing																																				
146	Groundwater - 3.09		Alluvium Removal	ongoing																																				
147	Visual – 10.01		Landfill Elevations	ongoing	✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-m		✓	C	I-n		✓	FRN	I-o		✓	FRN	I-p		✓	FRN	I-q		✓	FRN	I-r	
148	Visual – 10.02		Final Fill Elevations	ongoing																					✓	FRN	I-o		✓	FRN	I-p		✓	FRN	I-q		✓	FRN	I-r	
149																																								
150	Hydrologist																																							
151																																							
152																																							
153	Grading & Drainage - 38	38	Installation of Drainage Structures	ongoing																																				
154																																							
155	Geology - 1.17		Landfill Design/Construction-Seismic	ongoing																																				
156	Surface Water - 2.01		Surface Water Runoff Interception	ongoing																																				
157	Surface Water - 2.02		Surface Water Runoff Collection	ongoing																																				
158	Surface Water - 2.03		Surface Drainage Control-Maintenance	ongoing	✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-m		✓	C	I-n		✓	C	I-o		✓	C	I-p		✓	C	I-q		✓	C	I-r	
159	Surface Water - 2-04		Sedimentation Basin Capabilities	ongoing																																				
160	Surface Water - 2.05		Underdrain Placement	ongoing																																				
161	Surface Water - 2.07		Drainage Control System Design Approval	ongoing																																				
162	Surface Water - 2.08		Surface Water Runoff-Drainage System	ongoing																																				
163	Surface Water - 2.10		Surface Water Collection System-Monitoring	ongoing	✓	FRN	I-j		✓	FRN	I-k						✓	FRN	I-m						✓	C	I-o		✓	C	I-p		✓	C	I-q		✓	C	I-r	
164	Surface Water - 2.11		Surface Water Quality-Collection/Monitoring	ongoing																																				
165	Surface Water - 2.12		Permanent/Temporary Drainage Facilities	ongoing	✓	C	NONE						✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	I-o		✓	C	I-p		✓	C	I-q		✓	C	I-r	
166	Surface Water - 2.13		Permanent/Temporary Drainage Facilities	ongoing																																				
167	Surface Water - 2.14		Erosion Control Plan	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-m		✓	FRN	I-n		✓	FRN	I-o		✓	FRN	I-p		✓	FRN	I-q		✓	FRN	I-r	
168	Groundwater - 3.03		Interception of Groundwater Seepage	ongoing																																				
169	Groundwater - 3.06		Monitoring Wells	ongoing																																				
170																																								
171	Biologist																																							
172																																							
173																																							
174	Revegetation - 44	44	Revegetation/Cover Requirements	ongoing																																				
175	Revegetation - 44.A	44.A	Temporary Hydroseed Vegetation	ongoing	✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-m		✓	C	I-n		✓	C	I-o		✓	C	I-p		✓	C	I-q		✓	C	I-r	
176	Revegetation - 44.B	44.B	Interim Reclamation/Revegetation Plan-Sold Waste	ongoing																																				
177	Revegetation - 44.D	44.D	Final Fill Slope Requirements	ongoing																																				
178	Revegetation - 44.E	44.E		ongoing																																				

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179																																								
180	Geology - 1.13		Drainage Plan Approval	ongoing	✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-m		✓	C	I-n		✓	C	I-o		✓	C	I-p		✓	C	I-q		✓	C	I-r	
181	Geology - 1.14		Personnel Retention for Monitoring Soil Erosion	ongoing	✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-m		✓	C	I-n		✓	C	I-o		✓	C	I-p		✓	C	I-q		✓	C	I-r	
182	Groundwater - 3.11		Irrigation/Revegetation Management-Personnel Retention	ongoing																																			
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-l		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	I-q		✓	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-j		✓	FRN	I-k		✓	FRN	I-l	R	✓	FRN	I-m		✓	FRN	I-n		✓	FRN	I-o		✓	FRN	I-p		✓	FRN	I-q		✓	FRN	I-r	
189	BIOTA – 4.28		Coastal Sage Scrub Seeding	ongoing																																			
190	BIOTA – 4.29		San Diego Horned Lizard Mitigation	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
191	BIOTA – 4.30		California Gnatcatcher Surveys	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
192	BIOTA – 4.31		Least Bell's Vireo Surveys	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
193	BIOTA – 4.32		Western Burrowing Owl Surveys	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
194	BIOTA – 4.33		Migratory Bird Treaty Act	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
195	BIOTA – 4.34		Raptor Nests Habitat	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
196	BIOTA – 4.36		Personnel Retention for Monitoring Revegetation Plan	ongoing																																			
197	BIOTA – 4.37		Personnel Retention for Monitoring Revegetation Plan, Onsite Plants	status																																			
198	BIOTA – 4.38		Green Waste Material	ongoing																																			
199	BIOTA – 4.39		Revegetation of Slopes/Fill Areas	ongoing																																			
200	BIOTA – 4.41		Revegetation Plan-Replacement Cover	ongoing																																			
201	BIOTA – 4.42		Interim Vegetation	ongoing	✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-m		✓	C	I-n		✓	C	I-o		✓	C	I-p		✓	C	I-q		✓	C	I-r	
202	BIOTA – 4.43		Replacement Riparian Habitat	status									✓	FRN	I-l																						✓	FRN	I-r	
203	Air Quality - 6.02		Dust Control	ongoing	✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-m		✓	C	I-n		✓	C	I-o		✓	C	I-p		✓	C	I-q		✓	C	I-r	
204	Visual – 10.06		Upper Ridge Planting/Revegetation	ongoing																																			
205	Visual – 10.07		Tree Planting Around Perimeter	ongoing																																			
206	Visual – 10.08		Cover/Revegetation Requirements	ongoing	✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-m		✓	C	I-n		✓	C	I-o		✓	C	I-p		✓	C	I-q		✓	C	I-r	
207	Visual – 10.08		Solid Waste Disposal Procedures	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
208	Visual – 10.08		Final Cut Slope Steepness	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
209	Visual – 10.08		Final Fill Slopes-Reclamation/Revegetation	status																																			
210	Visual – 10.08		Revegetation Requirements	status	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
211	Visual – 10.09		Final Cover Composition Requirements	ongoing																																			

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Sunshine Canyon Landfill County Mitigation Monitoring Summary
(10-01-2016 through 12-31-2016)

Line #	Reference #	Mitigation #	County Mitigation Measures and Conditions Monitored by Discipline	Monitoring Frequency	Third Quarter 2016																				Fourth Quarter 2016																
					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*	10/11/2016	Status*	Further Review Needed/Comments**	Resolved*	11/1/2016	Status*	Further Review Needed/Comments**	Resolved*	11/29/2016	Status*	Further Review Needed/Comments**	Resolved*	12/14/2016	Status*	Further Review Needed/Comments**	Resolved*
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		✓	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																																				
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	

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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-j		✓	FRN	I-k		✓	FRN	I-l	R	✓	FRN	I-m		✓	FRN	I-n		✓	FRN	I-o		✓	FRN	I-p		✓	FRN	I-q		✓	FRN	I-r	
256	Fire Service - 12.04		On-site Fuel Storage Tanks-Permit Issuance	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
257	Fire Service - 12.05		Building Limits	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
258	Fire Service - 12.06		Methane Gas Monitoring-On-site Structures	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
259	Hazardous Materials – 13.02		Waste Load Checking Program	ongoing																																					
260	Hazardous Materials – 13.05		Hazardous Waste Disposal	ongoing																																					
261	Hazardous Materials – 13.10		Hazardous Waste-Procedures	ongoing																																					
262	Hazardous Materials – 13.11		Spill Response Program	ongoing																																					
263	Safety - 16.02		Injury and Illness Prevention Program	status																																					
264	Safety - 16.03		Working Conditions-Monitoring	status																																					
265	Safety - 16.04		Inspection Checklist-Work Area Exposure	status																																					
266	Safety - 16.07		Accident/Injury Reports	status																																					
267	Safety - 16.08		First-aid Kits	ongoing																																					
268	Safety - 16.10		Lockout/Blackout Procedures	status																																					
269	Safety - 16.11		Personal Protective Equipment	status																																					
270	Landfill Operation - 18.8		Prohibited Waste Procedures	ongoing																																					
271																																									
272	Archaeologist																																								
273																																									
274																																									
275	Ecological Significance - 62	62	Archaeological/Paleontological Identification/Conservation Program	ongoing	✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-m		✓	C	I-n		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
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	

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277	Archaeological – 5.01		Archaeological Resurvey	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
278	Archaeological – 5.02		Onsite Archaeologist	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
279	Archaeological – 5.03		Onsite Paleontologist	ongoing	✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-m		✓	C	I-n		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
280	Archaeological – 5.04		Archaeological/Paleontological Identification Instruction	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
281	Archaeological – 5.05		Archaeological Resource Curation	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
282																																								
283	Paleontologist																																							
284																																								
285																																								
286	Ecological Significance - 62	62	Archaeological/Paleontological -Material Identification/Conservation	ongoing	✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-m		✓	C	I-n		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
287	IMP - Part VII.B	IMP7	Archaeological/Paleontological-Report Submission	ongoing																																				

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Appendix I
Further Review Needed Comments: Reference I-o through I-r
Fourth Quarter 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-o through I-r: A buttress design to support CC-4A Part 3 was submitted to the County Department of Public Works. This buttress is outside of the prior-approved landfill footprint. Review is in progress. Select areas on the County top deck were receiving waste in addition to Cell CC-3A and 3B. These areas were using ADC. Cell CC-4A Part 1 was under construction. I-o and I-p: Cell CC-3A and CC-3B were both operational and were using ADC. Cell CC-4 Part 1 was having soil removed and stockpiled. I-q and I-r: Cell CC-3B was operational and using ADC.
		Geology - 1.07	County DPW EPD/SCL-LEA	I-o, I-p, I-q, and I-r: See Q – B.2.c above.
		Geology - 1.12	County DPW EPD/SCL-LEA	I-o, I-p, I-q, and I-r: See Q – B.2.c above.
	Q - C.10.c		City Planning	I-o: The gas-to-energy plant was operating at 100% energy production using 7753 SCFM of recovered landfill gas, 47.7% methane and 2.65% oxygen. Flare 1 - 1587 SCFM; Flare 3 - shut down; Flare 9 - 3714 SCFM; Flare 10 - shut down. I-p: The gas-to-energy plant was not operating. Flare 1 - 1630 SCFM; Flare 3 - shut down; Flare 9 - 4042 SCFM; Flare 10 - 4205 SCFM. I-q: The gas-to-energy plant was operating at 100% energy production using 8180 SCFM of recovered landfill gas, 47.1% methane and 5.54% oxygen. Flare 1 - not monitored; Flare 3 - shut down; Flare 9 - 2787 SCFM; Flare 10 - shut down. I-r: The gas-to-energy plant was not monitored. Flare 1 - 1652 SCFM; Flare 3 - shut down; Flare 9 - not monitored; Flare 10 - not monitored.
		Odor/Landfill Gas - 7.07	County Planning/SCAQMD SCL-LEA	I-o, I-p, I-q, and I-r: See Q - C.10.c above.
		Gas - 52	County DPW EPD/SCL-LEA County Forester Fire Warden	I-o, I-p, I-q, and I-r: See Q - C.10.c above.
	T-4		City Planning, City Fire Department	I-o: The Flare 11 site secondary access road was completed with road base surfacing. I-p: The Flare 11 site secondary access road was paved and connected to the ridgeline fire roads to Coltrane Road at the I-5 Freeway. I-o through I-r: An updated fire plan showing the new locations of all facilities and emergency egress should be prepared and sent to the local City Fire Department station and City and County Planning when construction of the new operation's facilities currently under construction have been completed. Emergency egress should be posted for employees and customers.
		Fire Service - 12.03	County DPW EPD/SCL-LEA County Forester Fire Warden	I-o through I-r: See T-4 above.

Discipline	City Condition Reference # / Mitigation #	County Condition Reference #/ Mitigation #	Responsible Agency	Further Review Needed – Comments
Project Manager	M - 4.1.1 / 7		City Planning, DOGGR	I-o through I-r: The two old oil well steel casings in the area north of the 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 should be done after final grades are reached. An additional old abandoned oil well was observed adjacent to the new secondary access road. This well should be re-abandoned.
		Re-abandonment Procedures	County Planning, County DPW EPD/SCL-LEA, DOGGR	I-o through I-r: See M - 4.1.1 / 7 above.
	M - 4.2.12 / 28		City Planning/SCAQMD	I-o through I-r: Alternatives to hydroseeding on interim and inactive slopes and decks for slope stability and dust control were being used. Jute netting and plastic netting were being used on slopes. No hydroseeding of slopes or decks was done in 2016 except for the slopes that were graded for Edison pole installations. 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. On high wind days, blowing dust was observed when wind gusts occurred.
		Fugitive Dust - 45.F	County DPH/County LEA County DPW-EPD County Biologist	I-o through I-r: See M - 4.2.12 / 28 above.
	M -4.2.13/ 29, 30, 32, 34		City Planning/SCL-LEA/SCAQMD	I-o through I-r: Compliance with these mitigation measures, concerning landfill gas monitoring and odor control and detection, is being monitored by a multi-agency team led by the SCAQMD. Only obvious gas emission sources, odorous operations related to gas and/or gas and landfill liquids, lack of cover, or exposed trash resulting in odor observed during the monitoring visit will be reported.
		Amendment 45.N-4.a, 4.c, 4.d	County DPW-EPD	I-o through I-r: See M -4.2.13/ 29, 30, 32, 34 above.
		Amendment 45.N-5	County DPW-EPD	I-o through I-r: See M -4.2.13/ 29, 30, 32, 34 above.

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-o: Between 7:00-8:00 a.m., there was a slight landfill background odor detected at Sesnon Boulevard and Orozco Street. Wetted trails of liquids were seen on Balboa Boulevard near Woodley Avenue and there was a slight smell of trash coming off the pavement. The North Hills greenwaste recycling facilities on Blucher Avenue had strong greenwaste odors. Some packer trucks entering the landfill were seen dripping liquids from the bottom of the back cover of the packer. Some of the packer trucks were observed not cleaning their lid seals of waste after dumping. I-p: It was observed that some liquid was spilled on the pavement at the intersection of Balboa Boulevard and Woodley Avenue, which had a faint garbage smell. The inside traffic lane pavement on Balboa appeared to have been previously washed and swept by a street sweeper. The liquid handling system along the main access road adjacent to Cell CC-3A slopes was being worked on. Localized liquid odors were detected. The future Cell CC-4 Part 1 was being worked on. Liner tie-ins and grading were being performed. Localized gas or liquids odors were detected at liner tie-in points that were being worked on. A localized gas odor was detected by gas wells CTC-625 and 703. I-q: There was a slight trash odor at Timber Ridge Drive at 7:15 a.m. which was not detected 30 minutes later. There were no other adjacent neighborhood locations where odor was detected. The sewer deep well pump vault area was odorous and the odors could be detected on San Fernando Road. Trucks entering the landfill were observed dripping liquids on the main access road near the oil field road turn-off. There was a localized odor detected near CS-30. A 12" HDPE gas header on a Cell CC-3A slope was leaking gas, with duct tape being used to stop the leak. I-r: There was a landfill odor hanging in the moisture-laden cold air over the adjacent neighborhood at Timber Ridge and Canyon Ridge, Woodley and Balboa, Sesnon between Orozco and Constable, and the Balboa I-5 overpass. Later in the morning, when the temperature had warmed up and the fog/moist air dissipated, so did the odor. The leachate treatment facility appeared to be shut down and had a strong leachate odor coming from the Pure Carb vessel, from an open quick connect fitting. A strong, localized condensate odor was detected around the deep well pump sewer connection in the graywater facility area.
		Odor/Landfill Gas - 7.06	County DPW-EPD/SCL-LEA/SCAQMD	I-o through I-r: See M-4.2.13/33 above.
		Amendment 45.N - 4.a, 4.c, 4.d	County DPW-EPD	I-o through I-r: See M-4.2.13/29, 30, 32, 33, and 34 above.
		Amendment 45.N - 5	County DPW-EPD	I-o through I-r: See M-4.2.13/29, 30, 32, 33, and 34 above.

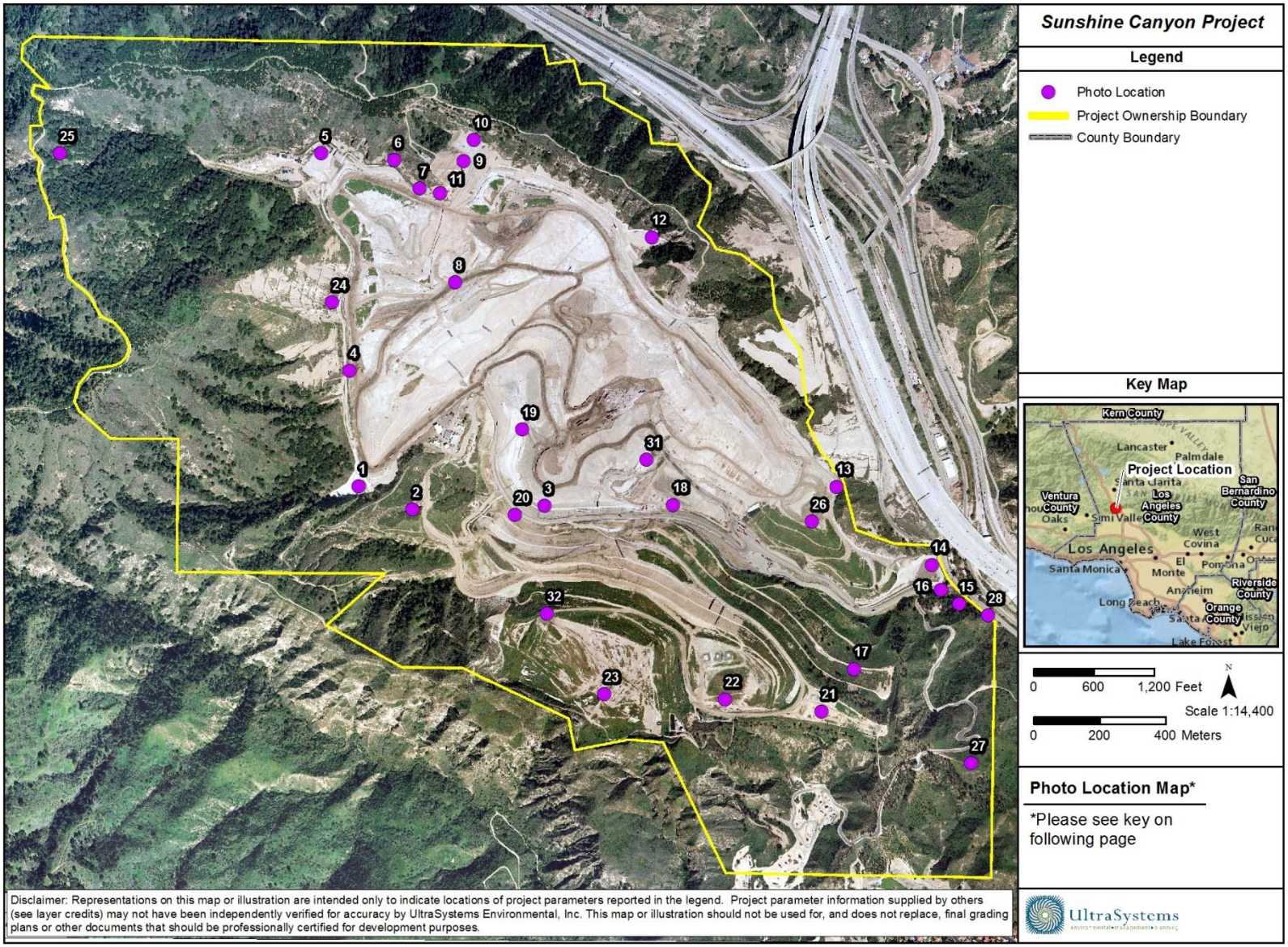
Discipline	City Condition Reference # / Mitigation #	County Condition Reference #/ Mitigation #	Responsible Agency	Further Review Needed – Comments
Project Manager		Surface Water - 2.15	County DPW EPD/ LARWQCB, SCL- LEA	I-o through I-r: A preventative maintenance program with inspection of facility equipment, 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-o: Vegetation was growing out of cracks in the terminal basin concrete sidewall. Cracks in the concrete should be repaired. The frontage retaining wall and walkway along San Fernando Road had no maintenance performed. I-q: Vegetation was removed from the terminal basin concrete walls and top. Cracks were filled with epoxy. The retaining wall south of the landfill entrance had more soils slide down against the wall fence and on top of the wall drainage. This additional load could pose a problem. I-r: The retaining wall along San Fernando Road had additional dirt accumulate on the top of the wall and against the fence. Winter rains could cause more sloughing and water log existing soils that are on top of the wall.
	M - 4.4.2/69		City Planning	I-r: The City Attorney, City DWP, City Recreation and Parks, and Republic were finalizing an agreement to use the Chatsworth Reservoir as a wetland mitigation site. The agreement, once finalized, will need DWP Board and City Council approval.
		Biota - 4.4.3	CDFW	I-r: See M - 4.4.2 / 69 above.
	M - 4.9.3 / 110		City Planning/City LEA	I-o: San Fernando Road near the I-5 overpass had an increase in the amount of debris, rock, and rubble, and soil that was illegally dumped. The Rancho Cascades area had additional illegal dumping on the DWP parcel. These two areas are not within Republic's clean-up area. Sierra Highway near the I-14 overpass had debris, rock, and rubble illegally dumped on the roadway shoulder. I-q: There was an increase in illegal dumping on DWP property in the Rancho Cascades neighborhood. San Fernando Road at the I-5 overpass had additional dirt dumped on the roadway shoulder and more debris and trash dumped adjacent to the roadway. These two areas are not within Republic's clean-up area. I-r: A DWP City crew was at the Rancho Cascades DWP powerline right-of-way property. A City DWP area maintenance manager stated that they were permanently blocking Nicholas Avenue's public access to the general area of their powerline right-of-way and their property. He stated that the illegally dumped material would be removed. He also stated that this illegal dumping is occurring in many areas throughout the City. Sierra Highway had trash bags dumped along the roadway near the I-14 overpass.

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-o through I-r: See M - 4.1.1 / 5 below.
	M - 4.1.1 / 4		City Planning/LARWQCB Cal Recycle	I-o through I-r: See M - 4.1.1 / 5 below.
	M - 4.1.1 / 5		City Planning/ LARWQCB Cal Recycle	I-o through I-r: Future out-of-approved landfill footprint grading is proposed for a CC-4 Part 3 cell buttress. Grading plans have been submitted to the County Department of Public Works for approval. The only grading occurring in this quarter was for the development of Cell CC-4 Part 1 and the removal of stockpiled soil for waste cover. This was inside the approved landfill footprint.
		Geology - 1.07	County DPW EPD/ County LEA	I-o through I-r: See M - 4.1.1 / 5 above.
	M - 4.1.5 / 12		City Planning/LARWQCB Cal Recycle	I-o through I-r: See M - 4.1.1 / 5 above.
	M - 4.1.6 / 18			I-o through I-r: The landfill perimeter boundary survey PVC 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-o through I-r: Access roads are being maintained around the working area for emergency access.
	M - 4.18 / 178		City Planning/City LEA	I-o through I-r: A map showing areas that are at the final elevations and which should have final cover should be available for review. Documents showing current filled elevations should also be available onsite for review. These conditions were not monitored.
		Visual - 10.01 Visual - 10.02	County DPW EPD/ LARWQCB SCL-LEA	I-o through I-r: See M - 4.18 / 178 above.
Hydrologist	M - 4.3.1/ 37, 38		City Planning/ LARWQCB CalRecycle SCL-LEA PW-BOE	I-o through I-r: Surface drainage systems were in place to intercept or divert rainwater away from prior landfill cells and current filling operations. Most of these were temporary systems in active areas and most conveyance V-ditches were unlined. Cell CC-4 Part 1 had a drainage system to a low point sump.
		Surface Water - 2.03 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.
	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.

Discipline	City Condition Reference # / Mitigation #	County Condition Reference #/ Mitigation #	Responsible Agency	Further Review Needed – Comments
Hydrologist	M - 4.3.1 / 41			I-o: The slopes that were void of vegetation had straw wattles placed on them to control erosion. Rock gabions were constructed on the Old City South landfill access road, in the westside drainage channel and across the inlet and within the Terminal Basin to slow down the flow of water and drop out sediment. I-p: The erosion and sediment control systems performed as designed and manage the rainwater and sediment. The erosion on the slopes was minimized due to the straw wattles.
	M - 4.3.1 / 43		City Planning/ LARWQCB CalRecycle SCL-LEA PW-BOE	I-o: All basins were cleared of sediment and ready for the winter rains. A temporary basin was constructed below Cell CC-3B to control runoff from CC-3B and portions of CC-3A. Concrete channels were constructed to channel westside drainage channel and CC-3B basin water flows into the terminal basin. I-p: Basin D was dry and free of sediment. Basin B and the terminal basin had a minor amount of standing water and sediment. Basin A could not be driven to. I-q: Basin A had a significant amount of standing water and sediment. Basin D was dry with no sediment. Basin C and the terminal basin had minor amounts of standing water. Significant rain occurred during this period. I-r: The terminal basin had a minor amount of sediment and standing water. All other basins were not monitored.
		Surface Water - 2.10	LARWQCB / County DPW EPD	I-o through I-r: See M - 4.3.1 / 43 above.
		Surface Water - 2.14	LARWQCB / County DPW EPD	I-o through I-r: 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-o through I-r: Surface Water - 2.14 above.
	M - 4.3.1/ 46		City Planning/ LARWQCB CalRecycle PW-BOE	I-o. I-q, and I-r: See 2.15 above.
Biologist	M - 4.1.1 / 6		City Planning/ LARWQCB CalRecycle SCL-LEA LADBS	I-o through I-r: See M - 4.2.12 / 28 above.
		Geology - 1.14	LARWQCB/ County Forester	I-o through I-r: See M - 4.2.12 / 28 above.
	M - 4.2.11 / 23		City Planning	I-o through I-r: See M - 4.2.12 / 28 above.
		Geology - 1.13	County DPW EPD/ County Forester LARWQCB	I-o through I-r: See M - 4.2.12 / 28 above.

Discipline	City Condition Reference # / Mitigation #	County Condition Reference #/ Mitigation #	Responsible Agency	Further Review Needed – Comments
Biologist	M - 4.2.12		SCL-LEA/ City Planning	I-o through I-r: See M - 4.2.12 / 28 above.
		Revegetation - 44.A	SCL-LEA/ County DPW EPD Regional Planning County Biologist	I-o through I-r: See M - 4.2.12 / 28 above.
		Revegetation - 44.F	SCL-LEA/ County DPW EPD Regional Planning County Biologist	I-o through I-r: See M - 4.2.12 / 28 above.
		Biota - 4.42	SCL-LEA	I-o through I-r: See M - 4.2.12 / 28 above.
		Air Quality - 6.02	SCAQMD/ SCL-LEA	I-o through I-r: See M - 4.2.12 / 28 above.
		Visual - 10.08	County Forester	I-o through I-r: See M - 4.2.12 / 28 above.
	M - 4.4.1 / 60		City Planning	I-o: City Deck C PM-10 berm oak trees had some trees dying from an unknown cause. The majority of the trees were in good condition and growing. Deck C sage mitigation plants were starting to show signs of winter conditions and were greening up. Deck A sage was greening up. No non-native removal was being done in this area. I-r: Sage mitigation on Deck C was doing well with new sage plant growth observed. The PM-10 oak trees have some trees with die-back and possible bark infestation. Republic needs to monitor this condition. I-o through I-r: No sage mitigation activity was performed in the County sage area.
		Biota - 4.27	County LEA/CDFW	I-o through I-r: See M - 4.4.1 / 60 above.
	M - 4.9.4 / 121		City Planning/Cal Recycle Cal OSHA LAFD City LEA	I-o through I-r: See T-4 above.
	M-4.9.4/125		City Planning/ CalRecycle Cal OSHA SCL-LEA	I- o through I-r: Throughout the 4th Quarter 2016, the south perimeter oil field gate was observed to be locked.
Paleontologist	M-4.19.2/191		City Planning	I-o through I-r: No paleontologist was needed to be on-site in the 4th Quarter.
		Ecological Significance 62	County Planning	I-o through I-r: 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	1-20
2.	Site Grading South of Basin A	–
3.	City Lined Drainage Lift Area	–
4.	Westside Drainage Channel	140-152
5.	Basin D Area	153-159
6.	Basin D Outlet Channel	–
7.	Edison Power Pole Construction Sites	–
8.	County Top Deck	160-166
9.	Flares 8–11	167-176
10.	Gas-to-Energy Facility	–
11.	Flares 8–11 Adjacent Hillsides	–
12.	Basin B Area	177-187
13.	Eastside Drainage Channel	–
14.	Terminal Basin	188-247
15.	Sewer and Gray Water Area	248-256
16.	Leachate Treatment Facility	257-263
17.	Realigned Access Road	–
18.	Cell CC3B Area	–
19.	Cell CC3A and Cell CC4A Area	21-139
20.	Truck Scale and Office Facilities Area	264-267
21.	City Sage Mitigation – Deck C, and City PM-10 Tree Mitigation	268-303
22.	City Sage Mitigation – Deck B	304-305
23.	City Sage Mitigation – Deck A	306-315
24.	County Sage Mitigation Area	316-318
25.	Big Cone Fir Mitigation	–
26.	Old City North	–
27.	Oak Tree Mitigation in Buffer Area	–
28.	San Fernando Road Frontage	319-353
29.	Offsite Illegal Dumping	354-391
30.	Offsite Greenwaste Odor Sources	392-407
31.	Site Working Area	408-478
32.	Neighborhood Adjacent to Landfill	479
33.	General Site Area	480-560

Photo 1: Basin A: October 11, 2016

Photo 2: Basin A: October 11, 2016

Photo 3: Basin A: October 11, 2016

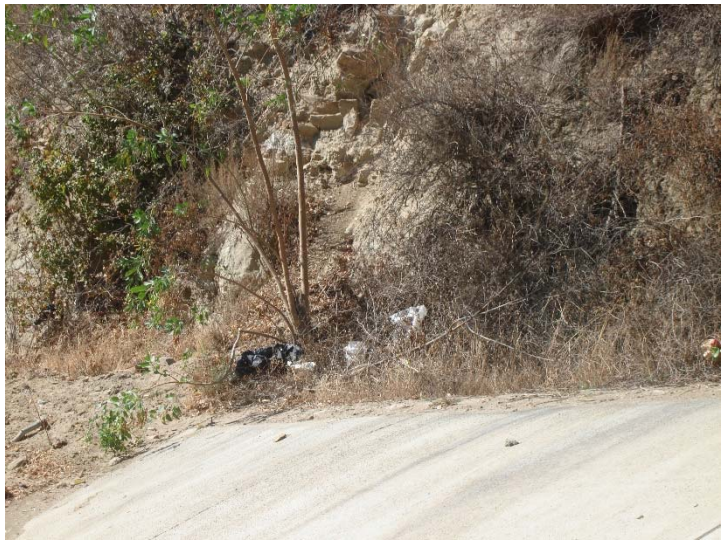

Photo 4: Basin A Native Hillside: October 11, 2016

Photo 5: Basin A Native Hillside: October 11, 2016

Photo 6: Basin A: November 1, 2016

Photo 7: Basin A: November 1, 2016

Photo 8: Basin A: November 1, 2016

Photo 9: Basin A Native Hillside: November 1, 2016

Photo 10: Basin A Native Hillside: November 1, 2016

Photo 11: Basin A Native Hillside: November 1, 2016

Photo 12: Basin A Native Hillside: November 1, 2016

Photo 13: Basin A: November 29, 2016

Photo 14: Basin A: November 29, 2016

Photo 15: Basin A: November 29, 2016

Photo 16: Basin A: November 29, 2016

Photo 17: Basin A: November 29, 2016

Photo 18: Basin A: November 29, 2016

Photo 19: Tree above Basin A: November 29, 2016

Photo 20: Tree above Basin A: November 29, 2016

Photo 21: CC4 Grading Area: October 11, 2016

Photo 22: CC4 Grading Area: October 11, 2016

Photo 23: CC4 Grading Area: October 11, 2016

Photo 24: CC4 Grading Area: October 11, 2016

Photo 25: CC4 Grading Area: October 11, 2016

Photo 26: CC4 Grading Area: October 11, 2016

Photo 27: CC4 Grading Area: October 11, 2016

Photo 28: CC4 Grading Area: October 11, 2016

Photo 29: CC4 Grading Area: October 11, 2016

Photo 30: CC4 Grading Area: October 11, 2016

Photo 31: CC4 Grading Area: October 11, 2016

Photo 32: CC4 Grading Area: October 11, 2016

Photo 33: CC4 Grading Area: October 11, 2016

Photo 34: CC4 Grading Area: October 11, 2016

Photo 35: CC4 Grading Area: October 11, 2016

Photo 36: CC4 Grading Area: November 1, 2016

Photo 37: CC4 Grading Area: November 1, 2016

Photo 38: CC4 Grading Area: November 1, 2016

Photo 39: CC4 Grading Area: November 1, 2016

Photo 40: CC4 Grading Area: November 1, 2016

Photo 41: CC4 Grading Area: November 1, 2016

Photo 42: CC4 Grading Area: November 1, 2016

Photo 43: CC4 Grading Area: November 1, 2016

Photo 44: CC4 Grading Area: November 1, 2016

Photo 45: Liquids Handling for CC3A Slopes

Photo 46: CC4 Liner Area: November 29, 2016

Photo 47: CC4 Liner Area: November 29, 2016

Photo 48: CC4 Liner Area: November 29, 2016

Photo 49: CC4 Liner Area: November 29, 2016

Photo 50: CC4 Liner Area: November 29, 2016

Photo 51: CC4 Liner Area: November 29, 2016

Photo 52: CC4 Liner Area: November 29, 2016

Photo 53: CC4 Liner Area: November 29, 2016

Photo 54: CC4 Liner Area: November 29, 2016

Photo 55: CC4 Liner Area: November 29, 2016

Photo 56: CC4 Liner Area: November 29, 2016

Photo 57: CC4 Liner Area: November 29, 2016

Photo 58: CC4 Liner Area: November 29, 2016

Photo 59: CC4a Liner Area: November 29, 2016

Photo 60: CC4a Liner Area: November 29, 2016

Photo 61: CC4a Liner Area: November 29, 2016

Photo 62: CC4a Liner Area: November 29, 2016

Photo 63: CC4a Liner Area: November 29, 2016

Photo 64: CC4a Liner Area: November 29, 2016

Photo 65: CC4 Liner Sump Area: November 29, 2016

Photo 66: CC4 Liner Sump Area: November 29, 2016

Photo 67: CC4 Liner Sump Area: November 29, 2016

Photo 68: CC4 Liner Sump Area: November 29, 2016

Photo 69: CC4 Liner Sump Area: November 29, 2016

Photo 70: CC4 Liner Sump Area: November 29, 2016

Photo 71: CC4 Liner Sump Area: November 29, 2016

Photo 72: CC4 Liner Sump Area: November 29, 2016

Photo 73: CC4 Liner Tie-in Area: November 29, 2016

Photo 74: CC4 Liner Tie-in Area: November 29, 2016

Photo 75: CC4 Liner Tie-in Area: November 29, 2016

Photo 76: CC4 Liner Tie-in Area: November 29, 2016

Photo 77: CC4 Liner Tie-in Area: November 29, 2016

Photo 78: CC4 Liner Tie-in Area: November 29, 2016

Photo 79: CC4 Liner Tie-in Area: November 29, 2016

Photo 80: CC4 Liner Tie-in Area: November 29, 2016

Photo 81: CC4 Liner Tie-in Area: November 29, 2016

Photo 82: CC4 Liner Tie-in Area: November 29, 2016

Photo 83: CC4 Liner Tie-in Area: November 29, 2016

Photo 84: CC4 Liner Tie-in Area: November 29, 2016

Photo 85: Drainage into Terminal Basin: November 1, 2016

Photo 86: CC4 Adjacent Slopes to Liner Tie-in Area: November 29, 2016

Photo 87: CC4 Adjacent Slopes to Liner Tie-in Area: November 29, 2016

Photo 88: CC4 Adjacent Slopes to Liner Tie-in Area: November 29, 2016

Photo 89: CC4 Adjacent Slopes to Liner Tie-in Area: November 29, 2016

Photo 90: CC4 Adjacent Slopes to Liner Tie-in Area: November 29, 2016

Photo 91: CC4 Adjacent Slopes to Liner Tie-in Area: November 29, 2016

Photo 92: CC4 Adjacent Slopes to Liner Tie-in Area: November 29, 2016

Photo 93: Slope Gas Control Liner Puffing at CC3A: November 29, 2016

Photo 94 Slope Gas Control Liner Puffing at CC3A: November 29, 2016

Photo 95: Slope Gas Control Liner Puffing at CC3A: November 29, 2016

Photo 96: Well at Slope CC3a with Localized Odor: November 29, 2016

Photo 97: Well at Slope CC3a with Localized Odor: November 29, 2016

Photo 98: Broken Gas Collection Pipe at CC4 Slope: November 29, 2016

Photo 99: Broken Gas Collection Pipe at CC4 Slope: November 29, 2016

Photo 100: CC4 Liner Area: December 14, 2016

Photo 101: CC4 Liner Area: December 14, 2016

Photo 102: CC4 Liner Area: December 14, 2016

Photo 103: CC4 Liner Area: December 14, 2016

Photo 104: CC4 Liner Area: December 14, 2016

Photo 105: CC4 Liner Area: December 14, 2016

Photo 106: CC4 Liner Area: December 14, 2016

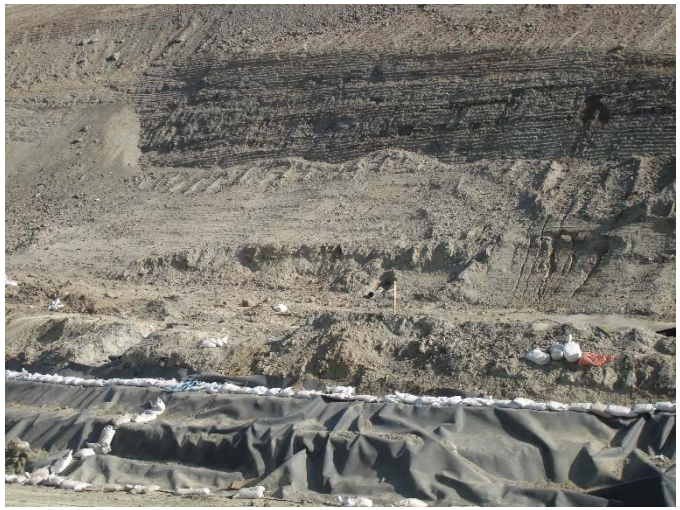

Photo 107: CC4 Liner Area: December 14, 2016

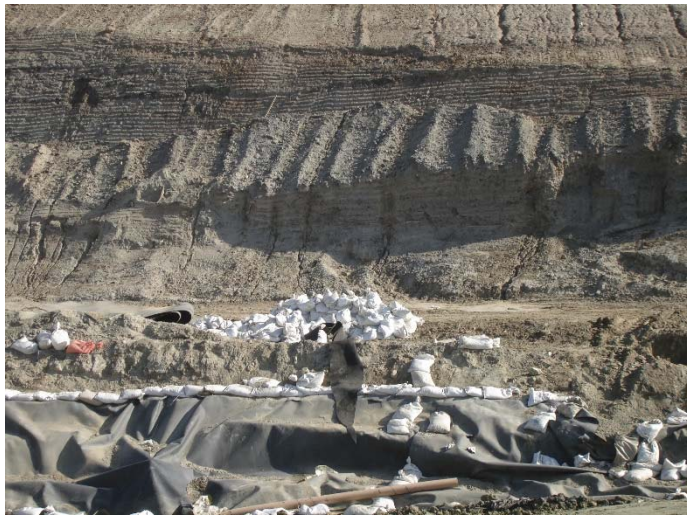

Photo 108: CC4 Liner Area: December 14, 2016

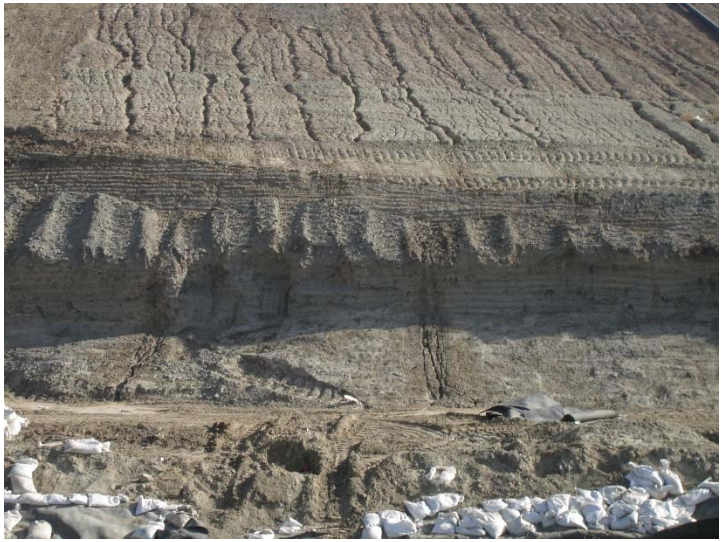

Photo 109: CC4 Liner Area: December 14, 2016

Photo 110: CC4 Liner Area: December 14, 2016

Photo 111: CC4 Liner Area: December 14, 2016

Photo 112: CC4 Liner Area: December 14, 2016

Photo 113: CC4 Liner Area: December 14, 2016

Photo 114: CC4 Liner Area: December 14, 2016

Photo 115: CC4 Liner Area: December 14, 2016

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Photo 117: CC4 Liner Area: December 14, 2016

Photo 118: CC4 Liner Area: December 14, 2016

Photo 119: CC4 Liner Area: December 14, 2016

Photo 120: CC4 Liner Area: December 14, 2016

Photo 121: CC4 Liner Area: December 14, 2016

Photo 122: CC4 Liner Area: December 14, 2016

Photo 123: CC4 Liner Area: December 14, 2016

Photo 124: CC4 Liner Area: December 14, 2016

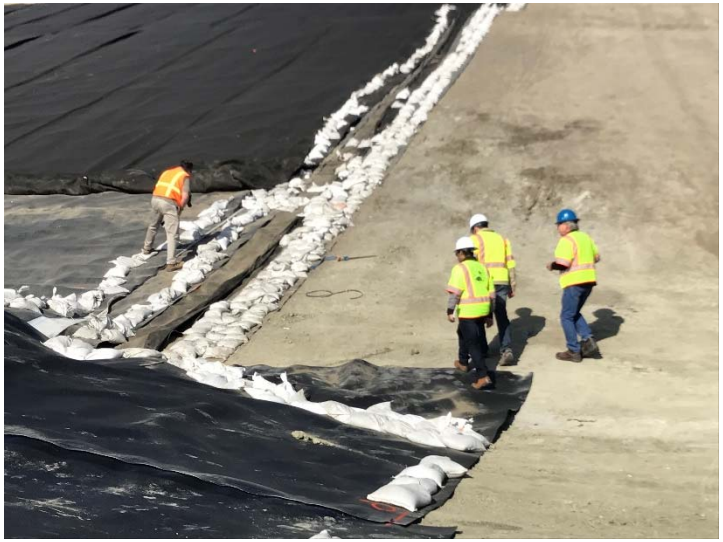

Photo 125: CC4 Liner Area: December 14, 2016

Photo 126: CC4 Liner Area: December 14, 2016

Photo 127: CC4 Liner Area: December 14, 2016

Photo 128: CC4 Liner Area: December 14, 2016

Photo 129: CC4 Liner Area: December 14, 2016

Photo 130: CC4 Liner Area: December 14, 2016

Photo 131: CC4 Liner Area: December 14, 2016

Photo 132: CC4 Liner Area: December 14, 2016

Photo 133: CC4 Liner Area: December 14, 2016

Photo 134: CC4 Liner Area: December 14, 2016

Photo 135: CC4 Liner Area: December 14, 2016

Photo 136: CC4 Liner Area: December 14, 2016

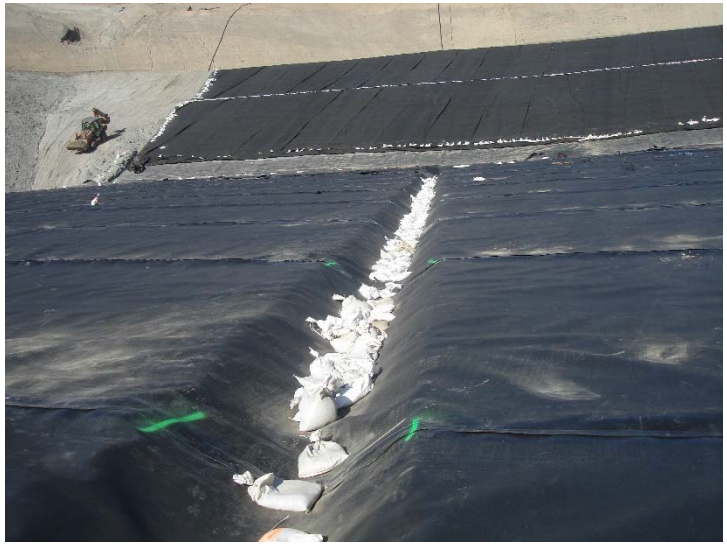

Photo 137: CC4 Liner Area: December 14, 2016

Photo 138: CC4 Liner Area: December 14, 2016

Photo 139: CC4 Liner Area: December 14, 2016

Photo 140: Westside Drainage Channel: November 1, 2016

Photo 141: Westside Drainage Channel: November 1, 2016

Photo 142: Westside Drainage Channel: November 1, 2016

Photo 143: Westside Drainage Channel: November 1, 2016

Photo 144: Westside Drainage Channel: November 29, 2016

Photo 145: Westside Drainage Channel: November 29, 2016

Photo 146: Westside Drainage Channel: November 29, 2016

Photo 147: Westside Drainage Channel: November 29, 2016

Photo 148: Westside Drainage Channel: November 29, 2016

Photo 149: Seeded Slope Mat above Westside Drainage: November 29, 2016

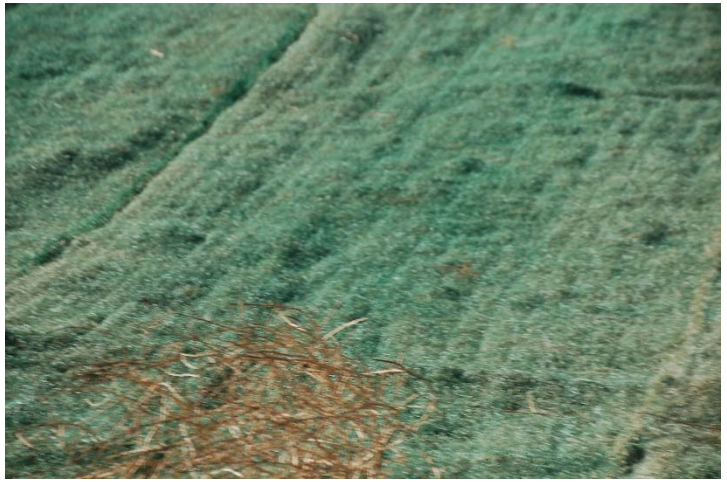

Photo 150: Seeded Slope Mat above Westside Drainage: November 29, 2016

Photo 151: Seeded Slope Mat above Westside Drainage: November 29, 2016

Photo 152: Seeded Slope Mat above Westside Drainage: November 29, 2016

Photo 153: Basin D: November 29, 2016

Photo 154: Basin D: November 29, 2016

Photo 155: Basin D: November 29, 2016

Photo 156: Basin D: November 29, 2016

Photo 157: Basin D: November 29, 2016

Photo 158: Basin D: November 29, 2016

Photo 159: Basin D: November 29, 2016

Photo 160: County Top Deck: October 11, 2016

Photo 161: County Top Deck: October 11, 2016

Photo 162: County Top Deck: October 11, 2016

Photo 163: County Top Deck: November 29, 2016

Photo 164: County Top Deck: November 29, 2016

Photo 165: County Top Deck: November 29, 2016

Photo 166: County Top Deck: November 29, 2016

Photo 167: Flare 11 Site Grading: October 11, 2016

Photo 168: Flare 11 Site Grading: October 11, 2016

Photo 169: Flare 11 Site Grading: October 11, 2016

Photo 170: Flare 11 Site Grading: October 11, 2016

Photo 171: Flare 11 Site Grading: October 11, 2016

Photo 172: Flare 11 Site Grading: November 1, 2016

Photo 173: Flare 11 Site Grading: November 1, 2016

Photo 174: Flare 11 Site Grading: November 1, 2016

Photo 175: New Emergency Access Road to I-5 Freeway: November 29, 2016

Photo 176: New Emergency Access Road to I-5 Freeway: November 29, 2016

Photo 177: Basin B: November 1, 2016

Photo 178: Basin B: November 1, 2016

Photo 179: Basin B: November 1, 2016

Photo 180: Basin B: November 1, 2016

Photo 181: Basin B Native Hillside: November 1, 2016

Photo 182: Basin B: November 29, 2016

Photo 183: Basin B: November 29, 2016

Photo 184: Basin B: November 29, 2016

Photo 185: Basin B: November 29, 2016

Photo 186: Basin B: November 29, 2016

Photo 187: Basin B Native Hillside: November 29, 2016

Photo 188: CC3B Drainage to Terminal Basin: October 11, 2016

Photo 189: CC3B Drainage to Terminal Basin: October 11, 2016

Photo 190: CC3B Drainage to Terminal Basin: October 11, 2016

Photo 191: Terminal Basin: October 11, 2016

Photo 192: Drainage into Terminal Basin: November 1, 2016

Photo 193: Drainage into Terminal Basin: November 1, 2016

Photo 194: Drainage into Terminal Basin: November 1, 2016

Photo 195: Drainage into Terminal Basin: November 1, 2016

Photo 196: Drainage into Terminal Basin: November 1, 2016

Photo 197: Terminal Basin: November 1, 2016

Photo 198: Terminal Basin: November 1, 2016

Photo 199: Terminal Basin: November 1, 2016

Photo 200: Terminal Basin: November 1, 2016

Photo 201: Terminal Basin: November 1, 2016

Photo 202: Terminal Basin: November 1, 2016

Photo 203: Terminal Basin: November 1, 2016

Photo 204: Terminal Basin: November 1, 2016

Photo 205: Terminal Basin: November 1, 2016

Photo 206: Terminal Basin: November 1, 2016

Photo 207: Vegetation in Concrete on Terminal Basin Wall: November 1, 2016

Photo 208: Vegetation in Concrete on Terminal Basin Wall: November 1, 2016

Photo 209: Vegetation in Concrete on Terminal Basin Wall: November 1, 2016

Photo 210: Debris near Terminal Basin Front Wall: November 1, 2016

Photo 211: Debris near Terminal Basin Front Wall: November 1, 2016

Photo 212: Debris near Terminal Basin Front Wall: November 1, 2016

Photo 213: Debris near Terminal Basin Front Wall: November 1, 2016

Photo 214: Debris near Terminal Basin Front Wall: November 1, 2016

Photo 215: Debris near Terminal Basin Front Wall: November 1, 2016

Photo 216: Main Access Road Slopes near Terminal Basin: November 1, 2016

Photo 217: Main Access Road Slopes near Terminal Basin: November 1, 2016

Photo 218: Main Access Road Slopes near Terminal Basin: November 1, 2016

Photo 219: Main Access Road Slopes near Terminal Basin: November 1, 2016

Photo 220: CC3B Drainage into Terminal Basin: November 29, 2016

Photo 221: CC3B Drainage into Terminal Basin: November 29, 2016

Photo 222: CC3B Drainage into Terminal Basin: November 29, 2016

Photo 223: CC3B Drainage into Terminal Basin: November 29, 2016

Photo 224: CC3B Drainage into Terminal Basin: November 29, 2016

Photo 225: CC3B Drainage into Terminal Basin: November 29, 2016

Photo 226: CC3B Drainage into Terminal Basin: November 29, 2016

Photo 227: CC3B Drainage into Terminal Basin: November 29, 2016

Photo 228: Terminal Basin Inlet: November 29, 2016

Photo 229: Terminal Basin Inlet: November 29, 2016

Photo 230: Terminal Basin: November 29, 2016

Photo 231: Terminal Basin: November 29, 2016

Photo 232: Terminal Basin: November 29, 2016

Photo 233: Terminal Basin: November 29, 2016

Photo 234: Terminal Basin: November 29, 2016

Photo 235: Terminal Basin: November 29, 2016

Photo 236: Terminal Basin: November 29, 2016

Photo 237: Terminal Basin: November 29, 2016

Photo 238: Terminal Basin Front Wall Cleaned: November 29, 2016

Photo 239: Terminal Basin Front Wall Cleaned: November 29, 2016

Photo 240: Terminal Basin Front Wall Cleaned: November 29, 2016

Photo 241: Terminal Basin Exterior Wall Repaired: November 29, 2016

Photo 242: Terminal Basin Exterior Wall Repaired: November 29, 2016

Photo 243: Terminal Basin Exterior Wall Repaired: November 29, 2016

Photo 244: Terminal Basin: December 14, 2016

Photo 245: Terminal Basin: December 14, 2016

Photo 246: Terminal Basin: December 14, 2016

Photo 247: Terminal Basin: December 14, 2016

Photo 248: Potable Water Leak in Graywater Handling area: October 11, 2016

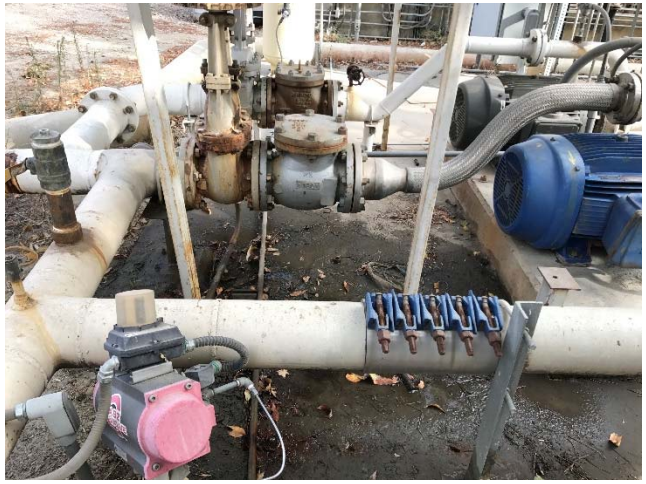

Photo 249: Potable Water Leak in Graywater Handling area: October 11, 2016

Photo 250: Potable Water Leak in Graywater Handling area: October 11, 2016

Photo 251: Potable Water Leak in Graywater Handling area: October 11, 2016

Photo 252: Potable Water Leak in Graywater Handling area: October 11, 2016

Photo 253: Potable Water Supply Piping Leak: November 29, 2016

Photo 254: Potable Water Supply Piping Leak: November 29, 2016

Photo 255: Potable Water Supply Piping Leak: November 29, 2016

Photo 256: Potable Water Supply Piping Leak: November 29, 2016

Photo 257: Deck A Water Tank Deck: October 11, 2016

Photo 258: Deck A Water Tank Foundation Not Backfilled: October 11, 2016

Photo 259: Deck A Water Tank Foundation Not Backfilled: October 11, 2016

Photo 260: Deck A Water Tank Foundation Not Backfilled: October 11, 2016

Photo 261: Deck A Water Tank Foundation Not Backfilled: October 11, 2016

Photo 262: Deck A Water Tank Foundation Not Backfilled: December 14, 2016

Photo 263: Deck A Water Tank Foundation Not Backfilled: December 14, 2016

Photo 264: Old City Access Road Slopes: October 11, 2016

Photo 265: Old City Access Road Slopes: October 11, 2016

Photo 266: Old City Access Road Slopes: October 11, 2016

Photo 267: Old City Access Road Slopes: October 11, 2016

Photo 268: City PM10 Tree Mitigation: October 11, 2016

Photo 269: City PM10 Tree Mitigation: October 11, 2016

Photo 270: City PM10 Tree Mitigation: October 11, 2016

Photo 271: City PM10 Tree Mitigation: October 11, 2016

Photo 272: City PM10 Tree Mitigation: October 11, 2016

Photo 273: City Sage Mitigation Deck C: October 11, 2016

Photo 274: City Sage Mitigation Deck C: October 11, 2016

Photo 275: City Sage Mitigation Deck C: October 11, 2016

Photo 276: City Sage Mitigation Deck C: October 11, 2016

Photo 277: City Sage Mitigation Deck C: November 1, 2016

Photo 278: City Sage Mitigation Deck C: November 1, 2016

Photo 279: City Sage Mitigation Deck C: November 1, 2016

Photo 280: City PM10 Tree Mitigation: November 1, 2016

Photo 281: City PM10 Tree Mitigation: November 1, 2016

Photo 282: City PM10 Tree Mitigation: November 1, 2016

Photo 283: City Deck C Dust Boss: December 14, 2016

Photo 284: City Deck C Dust Boss: December 14, 2016

Photo 285: City Deck C Dust Boss: December 14, 2016

Photo 286: City Deck C Dust Boss: December 14, 2016

Photo 287: City Deck C Dust Boss: December 14, 2016

Photo 288: City Deck C Dust Boss: December 14, 2016

Photo 289: City Deck C Dust Boss: December 14, 2016

Photo 290: City Deck C Dust Boss: December 14, 2016

Photo 291: City Deck C Dust Boss: December 14, 2016

Photo 292: City Deck C PM10 Tree Mitigation: December 14, 2016

Photo 293: City Deck C PM10 Tree Mitigation: December 14, 2016

Photo 294: City Deck C PM10 Tree Mitigation: December 14, 2016

Photo 295: City Deck C PM10 Tree Mitigation: December 14, 2016

Photo 296: City Deck C PM10 Tree Mitigation: December 14, 2016

Photo 297: City Deck C PM10 Tree Mitigation: December 14, 2016

Photo 298: City Sage Mitigation Deck C: December 14, 2016

Photo 299: City Sage Mitigation Deck C: December 14, 2016

Photo 300: City Sage Mitigation Deck C: December 14, 2016

Photo 301: City Sage Mitigation Deck C: December 14, 2016

Photo 302: City Sage Mitigation Deck C: December 14, 2016

Photo 303: City Sage Mitigation Deck C: December 14, 2016

Photo 304: City Sage Mitigation Deck B: October 11, 2016

Photo 305: City Sage Mitigation Deck B: October 11, 2016

Photo 306: City Sage Mitigation Deck A: October 11, 2016

Photo 307: City Sage Mitigation Deck A: October 11, 2016

Photo 308: City Sage Mitigation Deck A: October 11, 2016

Photo 309: City Sage Mitigation Deck A: October 11, 2016

Photo 310: City Sage Mitigation Deck A: December 14, 2016

Photo 311: City Sage Mitigation Deck A: December 14, 2016

Photo 312: City Sage Mitigation Deck A: December 14, 2016

Photo 313: City Sage Mitigation Deck A: December 14, 2016

Photo 314: City Sage Mitigation Deck A: December 14, 2016

Photo 315: City Sage Mitigation Deck A: December 14, 2016

Photo 316: County Sage Mitigation Area: November 29, 2016

Photo 317: County Sage Mitigation Area: November 29, 2016

Photo 318: County Sage Mitigation Area: November 29, 2016

Photo 319: Frontage Retaining Wall on San Fernando Road Slope and Trees: October 11, 2016

Photo 320: Frontage Retaining Wall on San Fernando Road Slope and Trees: October 11, 2016

Photo 321: Frontage Retaining Wall on San Fernando Road Slope and Trees: October 11, 2016

Photo 322: Frontage Retaining Wall on San Fernando Road Slope and Trees: October 11, 2016

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Photo 329: Frontage Retaining Wall on San Fernando Road Slope and Trees: October 11, 2016

Photo 330: Frontage Retaining Wall on San Fernando Road Slope and Trees: October 11, 2016

Photo 331: Frontage Retaining Wall Slope on San Fernando Road: November 29, 2016

Photo 332: Frontage Retaining Wall Slope on San Fernando Road: November 29, 2016

Photo 333: Frontage Retaining Wall Slope on San Fernando Road: November 29, 2016

Photo 334: Frontage Retaining Wall Slope on San Fernando Road: November 29, 2016

Photo 335: Frontage Retaining Wall Slope on San Fernando Road: November 29, 2016

Photo 336: Frontage Retaining Wall Slope on San Fernando Road: November 29, 2016

Photo 337: Frontage Retaining Wall Slope on San Fernando Road: November 29, 2016

Photo 338: Frontage Retaining Wall Slope on San Fernando Road: November 29, 2016

Photo 339: Frontage Retaining Wall Slope on San Fernando Road: November 29, 2016

Photo 340: Frontage Retaining Wall Slope on San Fernando Road: November 29, 2016

Photo 341: Frontage Retaining Wall on San Fernando Road: December 14, 2016

Photo 342: Frontage Retaining Wall on San Fernando Road: December 14, 2016

Photo 343: Frontage Retaining Wall on San Fernando Road: December 14, 2016

Photo 344: Frontage Retaining Wall on San Fernando Road: December 14, 2016

Photo 345: Frontage Retaining Wall on San Fernando Road: December 14, 2016

Photo 346: Frontage Retaining Wall on San Fernando Road: December 14, 2016

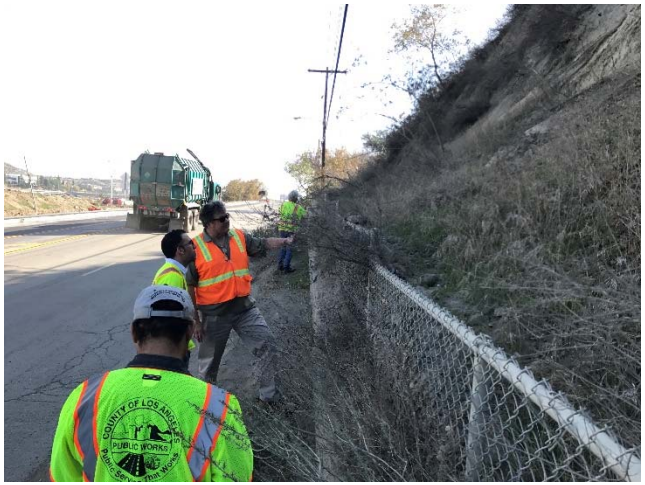

Photo 347: Frontage Retaining Wall on San Fernando Road: December 14, 2016

Photo 348: Frontage Retaining Wall on San Fernando Road: December 14, 2016

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Photo 350: Frontage Retaining Wall on San Fernando Road: December 14, 2016

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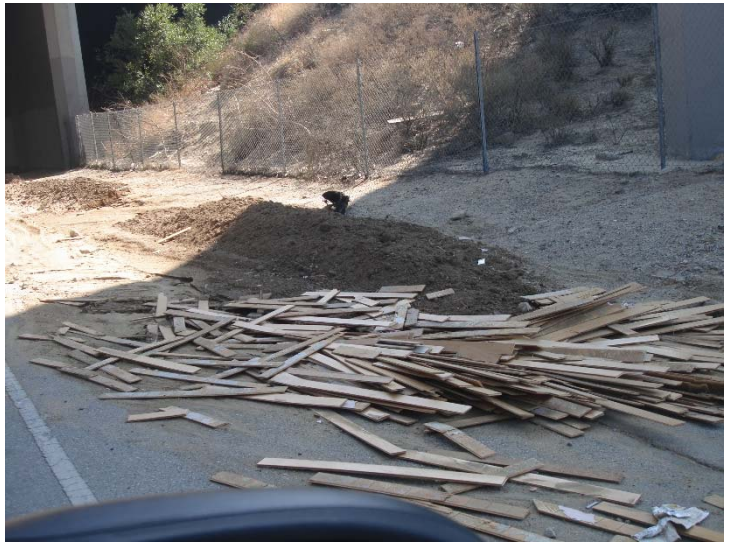

Photo 354: San Fernando Road near I-5 Overpass: October 11, 2016

Photo 355: San Fernando Road near I-5 Overpass: October 11, 2016

Photo 356: San Fernando Road near I-5 Overpass: October 11, 2016

Photo 357: San Fernando Road near I-5 Overpass: October 11, 2016

Photo 358: San Fernando Road near I-5 Overpass: October 11, 2016

Photo 359: San Fernando Road near I-5 Overpass: October 11, 2016

Photo 360: San Fernando Road near I-5 Overpass: October 11, 2016

Photo 361: Nicholas Ave in Rancho Cascades: October 11, 2016

Photo 362: Nicholas Ave in Rancho Cascades: October 11, 2016

Photo 363: Sierra Highway I-14 Overpass: October 11, 2016

Photo 364: Sierra Highway I-14 Overpass: October 11, 2016

Photo 365: San Fernando Road near I-5 Overpass: November 1, 2016

Photo 366: San Fernando Road near I-5 Overpass: November 1, 2016

Photo 367: San Fernando Road near I-5 Overpass: November 1, 2016

Photo 368: San Fernando Road near I-5 Overpass: November 1, 2016

Photo 369: San Fernando Road near I-5 Overpass: November 1, 2016

Photo 370: San Fernando Road near I-5 Overpass: November 1, 2016

Photo 371: Nicholas Ave in Rancho Cascades: November 1, 2016

Photo 372: Nicholas Ave in Rancho Cascades: November 1, 2016

Photo 373: San Fernando Road near I-5 Overpass: November 29, 2016

Photo 374: San Fernando Road near I-5 Overpass: November 29, 2016

Photo 375: San Fernando Road near I-5 Overpass: November 29, 2016

Photo 376: San Fernando Road near I-5 Overpass: November 29, 2016

Photo 377: San Fernando Road near I-5 Overpass: November 29, 2016

Photo 378: San Fernando Road near I-5 Overpass: November 29, 2016

Photo 379: Sierra Highway I-14 Overpass: November 29, 2016

Photo 380: Sierra Highway I-14 Overpass: November 29, 2016

Photo 381: Sierra Highway I-14 Overpass: November 29, 2016

Photo 382: Sierra Highway I-14 Overpass: November 29, 2016

Photo 383: Rancho Cascades Illegal Dumping: November 29, 2016

Photo 384: Rancho Cascades Illegal Dumping: November 29, 2016

Photo 385: Rancho Cascades Illegal Dumping: November 29, 2016

Photo 386: Rancho Cascades Illegal Dumping: November 29, 2016

Photo 387: Rancho Cascades Illegal Dumping: November 29, 2016

Photo 388: Sierra Highway at I-14 Overpass: December 14, 2016

Photo 389: Sierra Highway at I-14 Overpass: December 14, 2016

Photo 390: Sierra Highway at I-14 Overpass: December 14, 2016

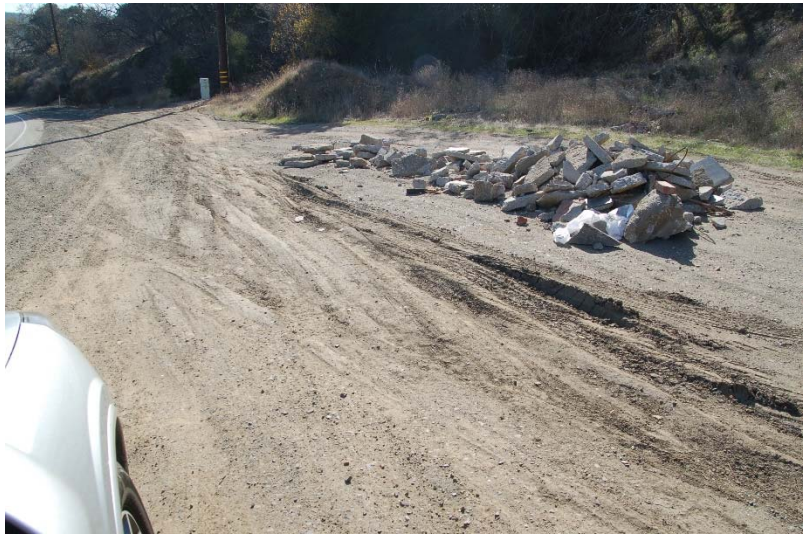

Photo 391: Sierra Highway at I-14 Overpass: December 14, 2016

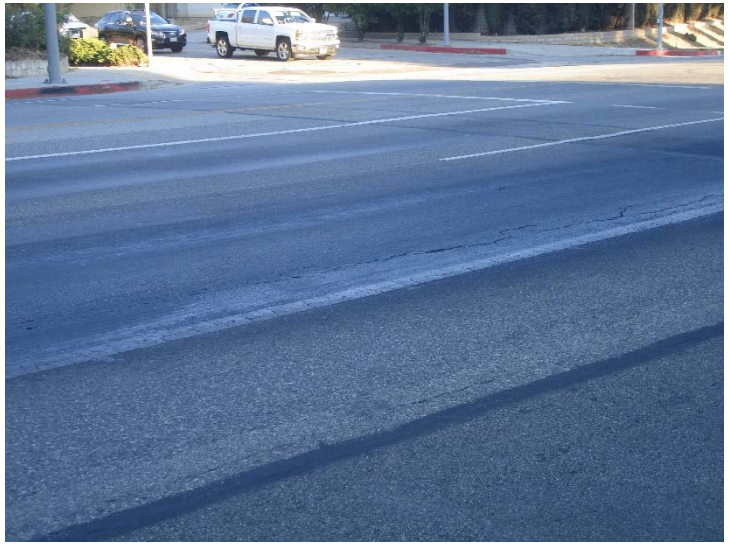

Photo 392: Roadway at Balboa and Woodley: October 11, 2016

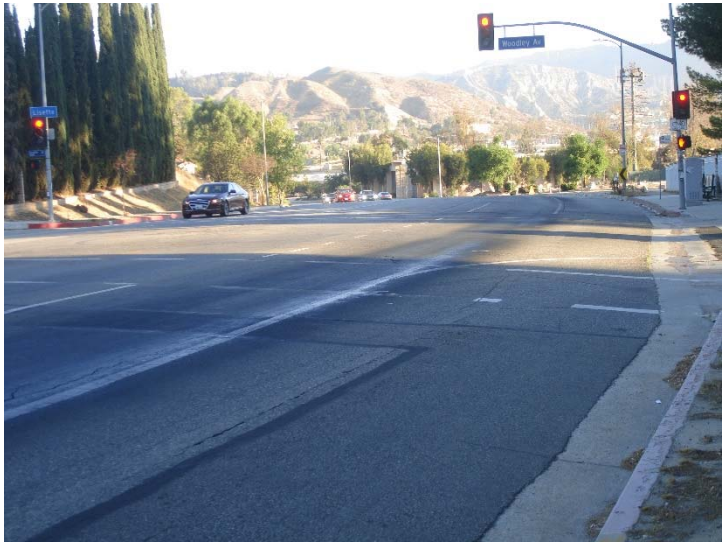

Photo 393: Roadway at Balboa and Woodley: October 11, 2016

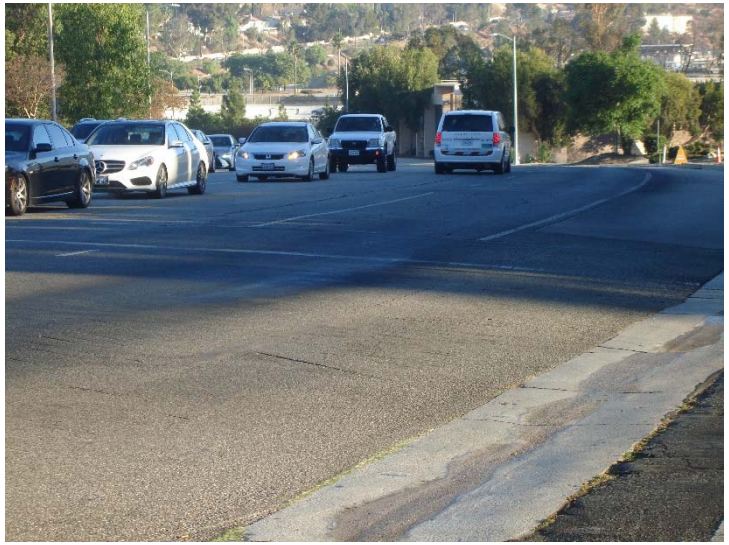

Photo 394: Roadway at Balboa and Woodley: October 11, 2016

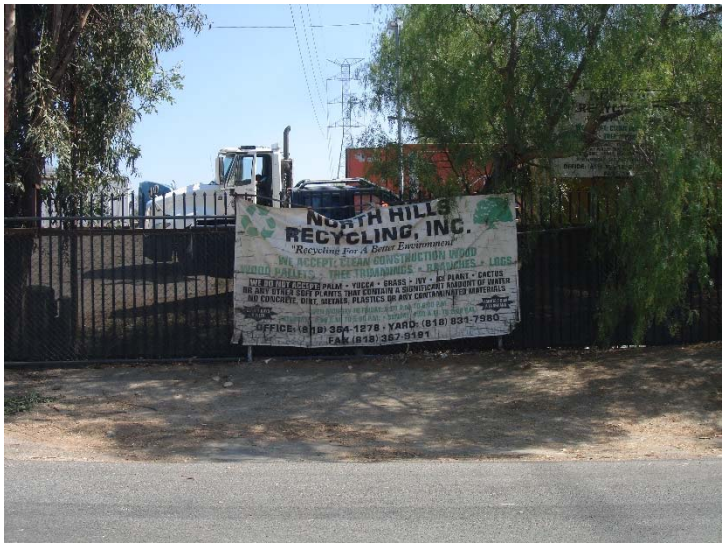

Photo 395: North Hills Recycling on Blucher Road: October 11, 2016

Photo 396: Odor at Sewer Deep Well Pump: November 1, 2016

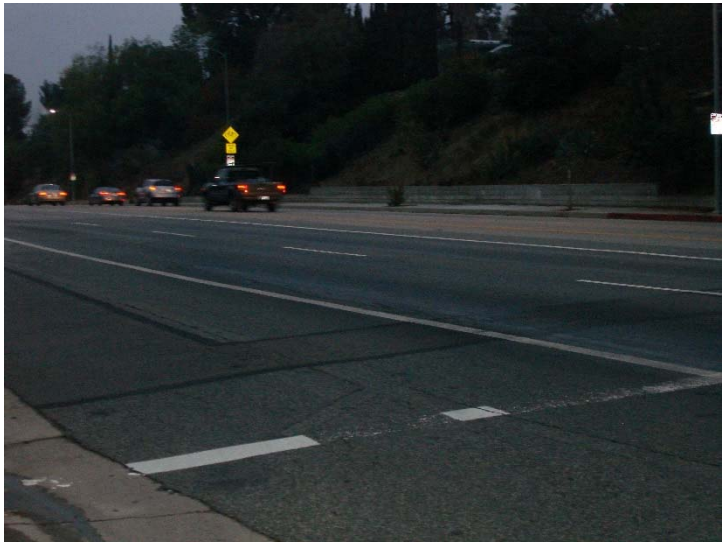

Photo 397: Roadway at Balboa and Woodley: November 1, 2016

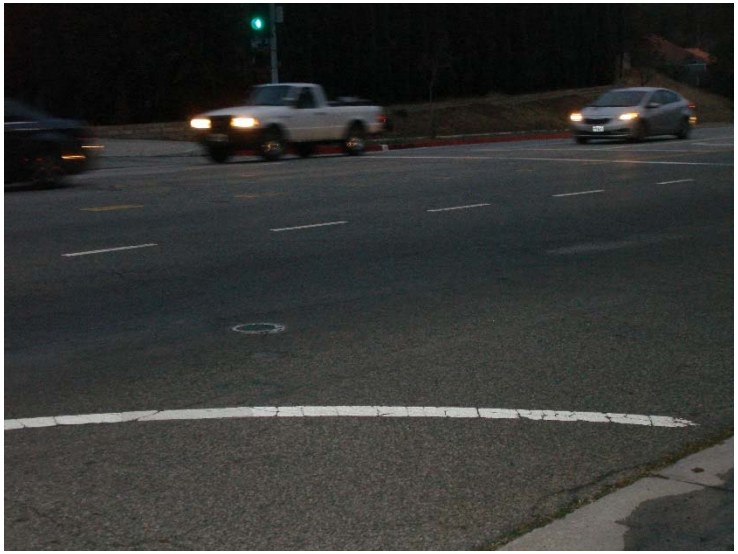

Photo 398: Roadway at Balboa and Woodley: November 1, 2016

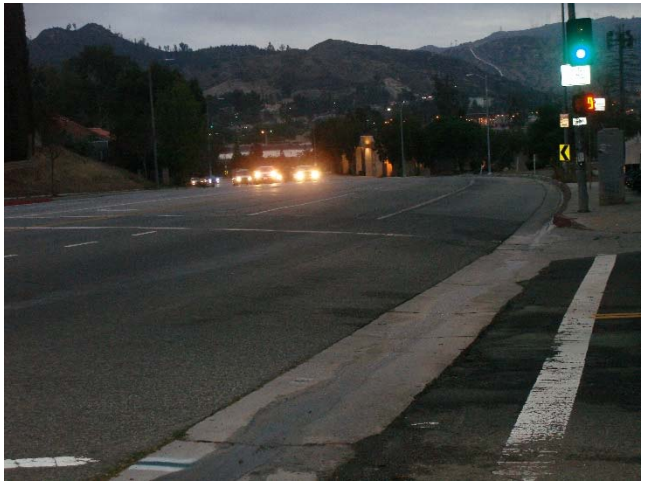

Photo 399: Roadway at Balboa and Woodley: November 1, 2016

Photo 400: Odor Detected at Sewer Connection Point: November 29, 2016

Photo 401: Odor Detected at Sewer Connection Point: November 29, 2016

Photo 402: North Hills recycling on Blucher Road: November 29, 2016

Photo 403: Perez Disposal on Blucher Road: November 29, 2016

Photo 404: Perez Disposal on Blucher Road: November 29, 2016

Photo 405: Odor Detected at Sewer Connection Point: December 14, 2016

Photo 406: Odor Detected coming from Tank Vent: December 14, 2016

Photo 407: Odor Detected coming from Tank Vent: December 14, 2016

Photo 408: Site Working Area CC3B 1030am: October 11, 2016

Photo 409: Site Working Area CC3B 1030am: October 11, 2016

Photo 410: Site Working Area CC3B 1030am: October 11, 2016

Photo 411: Site Working Area CC3B 1030am: October 11, 2016

Photo 412: Site Working Area CC3B 1030am: October 11, 2016

Photo 413: Site Working Area CC3B 1050am: October 11, 2016

Photo 414: Site Working Area CC3B 1050am: October 11, 2016

Photo 415: Site Working Area CC3B 1050am: October 11, 2016

Photo 416: Site Working Area CC3B 1050am: October 11, 2016

Photo 417: Site Working Area CC3B 1050am: October 11, 2016

Photo 418: Site Working Area CC3B 1050am: October 11, 2016

Photo 419: Site Working Area CC3B 1050am: October 11, 2016

Photo 420: Site Working Area CC3B 1050am: October 11, 2016

Photo 421: Site Working Area CC3B 800am: November 1, 2016

Photo 422: Site Working Area CC3B 800am: November 1, 2016

Photo 423: Site Working Area CC3B 800am: November 1, 2016

Photo 424: Site Working Area CC3B 800am: November 1, 2016

Photo 425: Site Working Area CC3B 800am: November 1, 2016

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Photo 429: Site Working Area CC3B 800am: November 1, 2016

Photo 430: Site Working Area CC3B 800am: November 1, 2016

Photo 431: Site Working Area CC3B 115pm: November 29, 2016

Photo 432: Site Working Area CC3B 115pm: November 29, 2016

Photo 433: Site Working Area CC3B 115pm: November 29, 2016

Photo 434: Site Working Area CC3B 115pm: November 29, 2016

Photo 435: Site Working Area CC3B 115pm: November 29, 2016

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Photo 439: Site Working Area CC3B 115pm: November 29, 2016

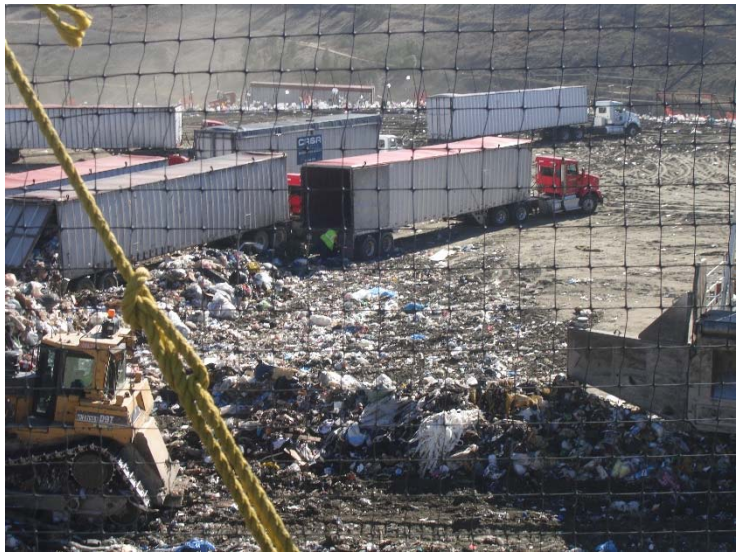

Photo 440: Site Working Area CC3B 115pm: November 29, 2016

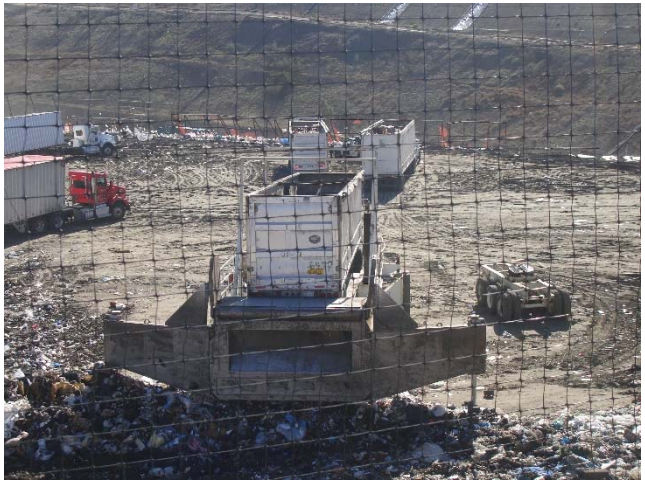

Photo 441: Site Working Area CC3B 115pm: November 29, 2016

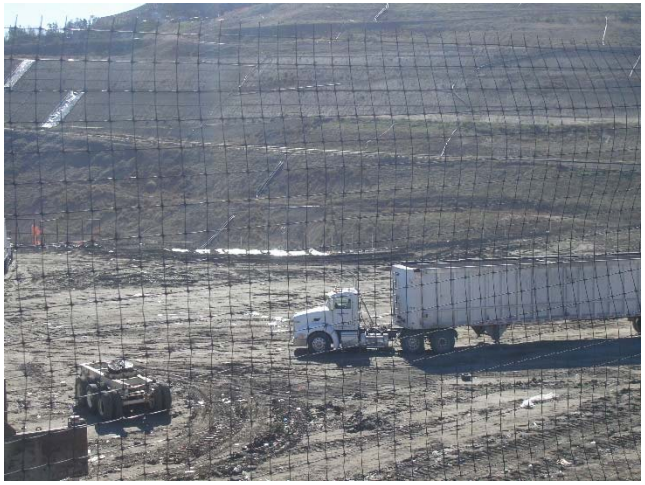

Photo 442: Site Working Area CC3B 115pm: November 29, 2016

Photo 443: Site Working Area CC3B 115pm: November 29, 2016

Photo 444: Site Working Area CC3B 115pm: November 29, 2016

Photo 445: Site Working Area CC3B 115pm: November 29, 2016

Photo 446: Site Working Area CC3B 115pm: November 29, 2016

Photo 447: Site Working Area CC3B 945am: December 14, 2016

Photo 448: Site Working Area CC3B 945am: December 14, 2016

Photo 449: Site Working Area CC3B 945am: December 14, 2016

Photo 450: Site Working Area CC3B 945am: December 14, 2016

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Photo 454: Site Working Area CC3B 945am: December 14, 2016

Photo 455: Site Working Area CC3B 1045am: December 14, 2016

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Photo 459: Site Working Area CC3B 1045am: December 14, 2016

Photo 460: Site Working Area CC3B 1045am: December 14, 2016

Photo 461: Site Working Area CC3B 1045am: December 14, 2016

Photo 462: Site Working Area CC3B 1045am: December 14, 2016

Photo 463: Site Working Area CC3B 130pm: December 14, 2016

Photo 464: Site Working Area CC3B 145pm: December 14, 2016

Photo 465: Site Working Area CC3B 145pm: December 14, 2016

Photo 466: Site Working Area CC3B 145pm: December 14, 2016

Photo 467 Site Working Area CC3B 145pm: December 14, 2016

Photo 468: Site Working Area CC3B 145pm: December 14, 2016

Photo 469: Phase V-B Disposal Area: November 1, 2016

Photo 470: Phase V-B Disposal Area: November 1, 2016

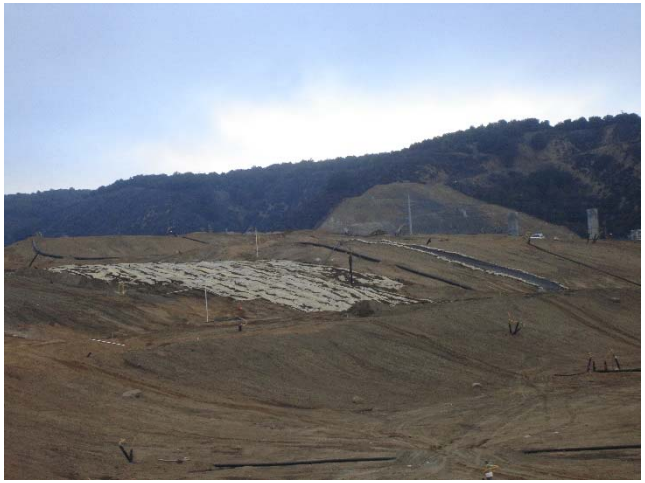

Photo 471: Phase V-B Disposal Area: November 1, 2016

Photo 472: Phase V-B Disposal Area: November 1, 2016

Photo 473: Phase V-B Disposal Area: November 1, 2016

Photo 474: Phase V-B Disposal Area: November 1, 2016

Photo 475: Phase V-B Disposal Area: November 1, 2016

Photo 476: Phase V-B Disposal Area: November 1, 2016

Photo 477: Truck Leaking Liquids near Scales: November 29, 2016

Photo 478: Truck Leaking Liquids near Scales: November 29, 2016

Photo 479: View from Sesnon rear Orozco: October 11, 2016

Photo 480: Oil Field South Locked: October 11, 2016

Photo 481: Site: October 11, 2016

Photo 482: Site: October 11, 2016

Photo 483: Site: October 11, 2016

Photo 484: Site: October 11, 2016

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Photo 513: Site: October 11, 2016

Photo 514: Oil Field South Gate Locked: November 1, 2016

Photo 515: Oil Field South Gate Locked: November 1, 2016

Photo 516: Site: November 1, 2016

Photo 517: Site: November 1, 2016

Photo 518: Site: November 1, 2016

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Photo 521: Site: November 1, 2016

Photo 522: Site: November 1, 2016

Photo 523: Site Dust 930am: November 29, 2016

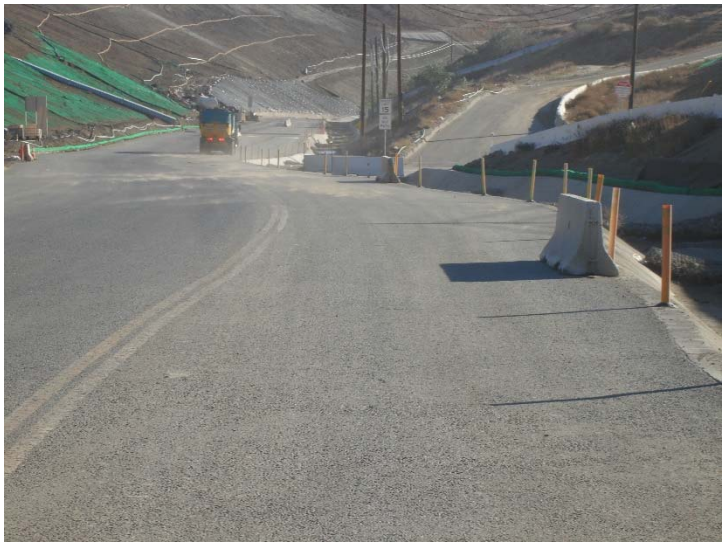

Photo 524: Site Dust 930am: November 29, 2016

Photo 525: Site Dust: November 29, 2016

Photo 526: Site Dust: November 29, 2016

Photo 527: Site – Truck Liquid on Access Road 100pm: November 29, 2016

Photo 528: Site: November 29, 2016

Photo 529: Site: November 29, 2016

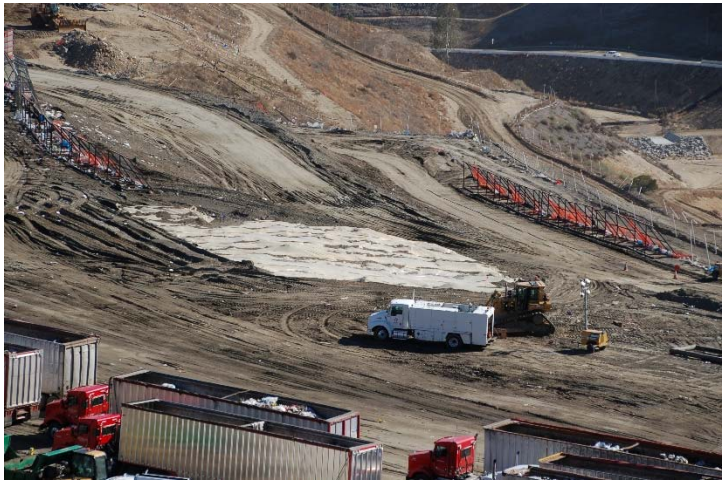

Photo 530: Site: November 29, 2016

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Photo 558: Site: December 14, 2016

Photo 559: Site: December 14, 2016

Photo 560: Site: December 14, 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	Geotechnical, Civil, And Landfill Design/ Engineer

October Site Visits

October 11, 2016:

James Aidukas (UltraSystems)

Mike Lindsay (UltraSystems)

UltraSystems
environmental•management•planning

SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT

Monitor: James Aidukas	Page: 1 of 2
Discipline: Project Manager	Date: 10/11/16
Site Conditions: Clear and sunny, 60-80˚F with 5-15 MPH wind	

SITE LOG

Republic Site Manager - Rob Sherman

Drove the Granada Hills neighborhood and school area from 6:50 to 7:10 a.m. Did not detect any landfill odors. At 7:15 a.m., there was a slight trash odor at the corner of Orosco and Sesnon. It was gone at 7:20 a.m. It could have been a residential trash container in a backyard. At 7:35 a.m., there was a fire odor detected at the end of Timber Ridge. There was a car fire north of the I-14 on the I-5. At 7:40 a.m., I observed wetted trails of truck liquids on Balboa near Woodley. There was a slight smell of trash coming off the pavement.

Entering the landfill, it was observed that the main access road into the landfill was being cleaned by a sweeper. The right lane in was only being cleaned. The center line in and the out-bound roadway lines were not being cleaned.

Met with Mike Lindsay (UltraSystems) and signed in at the office. Had a brief update from Mat Eaton concerning the gas and liquid recover systems.

Met with Ricky Dhupar and proceeded to meet with the DWP tree surgeon, David Jones. Drove to the landfill entrance to observe the oak trees above the retaining wall and DWP power lines. Hiked to view the trees from the top of the slope. Mr. Jones stated that at this time, he felt that the trees should be left as-is. He stated he would write a report stating his findings. Our field meeting was concluded.

Mr. Lindsay and I then proceeded to monitor the site and observed the following:

- Drove to the oil field and observed that the southern perimeter gate was locked. There were no landfill odors detected in the 100-acre buffer.
- Cell CC-3A was observed with operations occurring on the top deck area. Two Dust Boss were in operation and there was no blowing litter.
- Cell CC-3B was observed with operations occurring on a lower deck approximately 80 feet below Cell CC-3A. There was no blowing litter and a Dust Boss was in operation.
- Gabions were installed in the westside drainage channel and along the City south access road to slow down rainwater flow and drop out sediment.
- City Deck C PM-10 berm oak trees had some trees dying from an unknown cause. The majority of the trees were in good condition and growing.
- Deck C sage mitigation was starting to show signs of winter conditions and greening up.
- The Deck A water tank pad had road base rock placed on the entire deck. The water tank had approximately 80% of its foundation backfilled.

Page 2 of 2, 10/11/16:

- Deck A sage was greening up. No non-native removal was being done in this area.
- San Fernando Road at the I-5 overpass had an increase in the amount of debris, rock, rubble, and soil that was illegally dumped.
- The North Hills greenwaste recycling facilities on Blucher Avenue had strong greenwaste odors.
- Sierra Highway near the I-14 overpass had debris, rock, and rubble illegally dumped on the roadway shoulder.
- The Rancho Cascades area had additional illegal dumping on the DWP parcel. No landfill odors were detected in the neighborhood.
- The terminal basin had the gabions completed inside the basin with a rock 6-7' high rock wall across the basin inlet to slow down the flow and drop out sediment. Inlet channels from the main access road and CC-3B were completed.
- Basin A was clean and ready for rain events. The landfill gas header to Flare 3 was covered in places with loose soil that could slide into the basin in a rain event. The native back area and hillsides had trash and windblown litter.
- The Flare 11 secondary access road appeared to be completed with road base. The road did not have paving.

Flare Operating Conditions:

- Flare 1 - 1686˚F, 1587 SCFM, -57" vacuum
- Flare 3 - shut down
- Flare 9 - 1641˚F, 3714 SCFM, -63" vacuum, 29" out
- Flare 10 - shut down

The gas-to-energy plant was using 7753 SCFM of recovered landfill gas, 47.7% methane and 2.65% oxygen. The facility was at 100% production.

FURTHER REVIEW NEEDED

COMMENTS

Signed:

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SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT

Monitor: Mike Lindsay	Page: 1 of 2
Discipline: Environmental Engineer	Date: 10-11-2016 Tuesday
Site Conditions: Clear, 58–77 °F, 3–15 mph, 45% RH	

SITE LOG

1. Met with Jim Aidukas (UltraSystems) and checked into office, and with Mat Eaton and Ricky Dhupar (Republic).
2. Met with Ricky Dhupar and David Jones (LACDPW arborist) at office, then drove to landfill entrance area to inspect oak trees by power lines, and retaining wall impacted with soil at known locations.
3. Oil field perimeter gate is closed and locked.
4. Cell CC-3A working area is in good order, with tippers and water misters in operation.
5. Cell CC-3B working area is in good order, with two tippers and water misters in operation.
6. New gabion energy dissipaters have been installed in perimeter drainage channel along haul road, and along fire road that leads up to City Deck C and Flare 1.
7. City Deck C sage mitigation area is in good condition.
8. Oak trees on PM-10 berm are mostly dark green and growing well, with a small portion in die-back.
9. Flare 1 is operating at 1608 scfm, 1702 °F. Gas sample measured at 36 % Vol. CH4, 1.5 % Vol. O2, 79 ppm H2S and 51 ppm CO. Gas inlet temperature is at 114 °F.
10. Water tank foundation has been backfilled two-thirds around.
11. Observed overall landfill operations from the observation deck area.
12. San Fernando Road has illegally dumped dirt and debris (mattress, chair, etc.) by the I-5 overpass (1.0 mile from landfill entrance).
13. Strong greenwaste odors are present at greenwaste facilities on Blucher Avenue.
14. Sierra Highway has illegally dumped ruble along roadside.
15. No odors were detected in adjacent Rancho Cascades neighborhood.
16. Sediment Basin A is clear of all soil and rock.
17. Water trucks are applying water throughout site for dust control.
18. Flare 9 is operating at 3710 scfm, 1639 °F, with blowers 2, 3 and 4 active. Gas sample measured at 46 % Vol. CH4, 1.3 % Vol. O2, 64 ppm H2S and 447 ppm CO. Gas inlet temperature is at 148 °F.
19. Flare 10 is offline.
20. The Gas-to-Energy plant is running at full capacity, operating at 7704 scfm.
21. Secondary access road near the Flare 11 site appears to be completed.
22. Met with Ricky Dhupar, and discussed our site monitoring observations.

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Page: 2 of 2

FURTHER REVIEW NEEDED

1. Remove soil at retaining wall by landfill entrance.
2. Remove dumped dirt and debris along San Fernando Road.
3. Remove dumped ruble along Sierra Highway.

Signed: Michael W. Lindsay

November Site Visits

November 1, 2016:

James Aidukas (UltraSystems)

Mike Lindsay (UltraSystems)

SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT

Monitor: James Aidukas	Page: 1 of 2
Discipline: Project Manager	Date: 11/1/16
Site Conditions: Cloudy, 55-70˚F with 0-10 MPH wind	

SITE LOG

Republic Site Manager - Rob Sherman

Drove the Granada Hills neighborhood and school area from 6:10 to 7:15 a.m. Did not detect any landfill odors. Drove to Balboa and Woodley and detected a faint odor coming off the pavement at the stop light. The pavement appears to have been previously washed by a street sweeper. There was a recent spilling of liquids at the intersection, which had a faint garbage smell. The Rancho Cascades area was monitored and no landfill odors were detected.

Met with Mike Lindsay (UltraSystems) and signed in at the office and had a brief update on current landfill activities from Michael Stewart and Ricky Dhupar (Republic.) We then proceeded to monitor the site and observed the following:

- The slopes below and above the main access road performed well during the recent rains. There was only minor erosion.
- The recently installed concrete drainage channel from the access road box culverts and also from the temporary basin below Cell CC-3B appeared to have performed well.
- The gabions in the westside drainage channel detained sediment and prevented the sediment from going into the terminal basin.
- There was a rock gabion approximately 10-12' high installed across the entrance to the terminal basin. This gabion detained most of the sediment entering the basin. There were minor amounts of sediment at the internal gabion wall and very little at the outlet risers. The new system to control sediment performed well.
- The liquid handling system along the main access road adjacent to Cell CC-3A slopes was being worked on. Localized liquid odors were detected.
- The future CC-4 was being worked on. Liner tie-ins and grading were being performed. Localized gas or liquids odors were detected at liner tie-in points that were being worked on.
- Cell CC-3A slopes had straw wattles installed.
- The roadway to the active areas was graded and surfaced for wet weather.
- The top deck of CC-3A was active and had two tippers. Packer trucks were only observed depositing waste. Water misters were operating. ADC was being used.
- The old City landfill slopes had new HDPE liner drainage downcomers in place.
- Cell CC-3B was active and had two tippers. Water misters were operating ADC was being used and approximately 50-60% was covered by 8:30 a.m.

Page 2 of 2, 11/1/16:

- Basin B was observed having standing water around the outlet riseers.
- A localized gas odor was detected by gas wells CTC-625 and 703.

FURTHER REVIEW NEEDED

COMMENTS

Signed:

SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT

Monitor: Mike Lindsay	Page: 1 of 2
Discipline: Environmental Engineer	Date: 11-01-2016 Tuesday
Site Conditions: Cloudy, 56–68 °F, 1–10 mph, 71% RH	

SITE LOG

1. Met with Jim Aidukas (UltraSystems) and checked into office, and with Michael Stewart and Ricky Dhupar (Republic).
2. Observed Cell CC-3A working area top deck, with tippers and water misters in operation.
3. Sediment Basin B is in good order, with some standing water by riser drains.
4. Detected gas odor by gas well CTC-703.
5. Cell CC-3B working area is in good order, with two tippers and water misters in operation. ADC is 50% covered by new trash at 8:25 AM.
6. Met with Gabriel Esparza and Vu Truong (LACDPW).
7. Cell CC-3B now has 75% ADC covered at 9:40 AM.
8. Terminal Basin is clear of sediment, ready for the rainy season.
9. Vegetation is growing along top wall of Terminal Basin.
10. Wind-blown trash has collected at outlet-side of Terminal Basin.
11. A water leak is present at potable water facility (pipe vent).
12. No odors were detected at sewer tie-in location and carbon filter.
13. Retaining wall by landfill entrance is impacted with soil at known locations.
14. Oil field perimeter gate is closed and locked.
15. Five deer are feeding along the oil field access road.
16. San Fernando Road has additional illegally dumped trash and debris (mattress, TV, etc.) by the I-5 overpass (1.0 mile from landfill entrance).
17. Sierra Highway is clear of dumped debris along roadside.
18. Rancho Cascades neighborhood has additional dumped construction debris, and now residential waste trash (including organic material) has been illegally dumped.
19. Sediment Basin A is clear of soil, with some standing water around the vertical riser drains from recent rains.
20. Large pieces of debris are at the back of Sediment Basin A at known locations.
21. A street sweeper is cleaning the haul road all along route, from landfill entrance to scale house.
22. County top deck southwest corner has been recontoured, with new slopes and drainage channel, including flow dissipaters in channel.
23. Westside drainage channel is clear of sediment.
24. Sediment Basin D is in good order.
25. Leachate storage tanks at storage yard by Sediment Basin D are odorous.
26. New secondary access road near the Flare 11 site has been paved.
27. Flare 9 is operating at 4042 scfm, 1659 °F, with blowers 2, 3 and 4 active. Gas sample measured at 46 % Vol. CH4, 1.7 % Vol. O2, 74 ppm H2S and 384 ppm CO. Gas inlet temperature is at 132 °F.
28. Flare 10 is operating at 4205 scfm, 1616 °F.
29. A landfill gas odor is still present near Sediment Basin B.
30. Water tank area is in good order.
31. Water trucks are applying water throughout site for dust control, especially along haul route to

Page: 2 of 2

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working areas.

32. Flare 1 is operating at 1630 scfm, 1694 °F. Gas sample measured at 35 % Vol. CH4, 0.9 % Vol. O2, 80 ppm H2S and 51 ppm CO. Gas inlet temperature is at 117 °F.
33. Observed overall landfill operations from the observation deck area.
34. Met with Patti Costa (by phone), Tyson Ross and Ricky Dhupar (Republic), and discussed our site monitoring observations.

FURTHER REVIEW NEEDED

1. Eliminate gas odor by gas well CTC-703.
2. Remove vegetation along top wall of terminal basin.
3. Remove trash and debris at outlet-side of terminal basin.
4. Repair water leak at potable water facility (pipe vent).
5. Remove soil at retaining wall by landfill entrance.
6. Remove dumped dirt and debris along San Fernando Road.
7. Eliminate odors at leachate storage tanks in storage yard.
8. Eliminate gas odor by sediment basin B.

Signed: Michael W. Lindsay

November 29, 2016:

James Aidukas (UltraSystems)

Mike Lindsay (UltraSystems)

Tarik Hadj-Hamou (SLR)

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SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT

Monitor: James Aidukas	Page: 1 of 2
Discipline: Project Manager	Date: 11/29/16
Site Conditions: Clear, 50-65˚F with 20 MPH wind	

SITE LOG

Republic Site Manager - Rob Sherman

Drove the Granada Hills neighborhood and school area from 6:15 to 7:30 a.m. Did not detect any landfill odors. At 7:15 a.m., there was a slight background trash odor at Timber Ridge Drive. Drove the Rancho Cascades neighborhood and did not detect any landfill odors.

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

- Observed blowing dust on the main access road, City and County inactive top decks and native cut slopes. Soil sealant was not being used.
- Cell CC-4 had the southern area being graded. Ponding of rain was observed in this general area.
- Approximately 50-60% of Cell CC-4 was lined. Liner tie-ins to the exiting liner appear to be only partially completed.
- The slopes adjacent to the Cell CC-4 were graded and drainage control installed. Dust was coming off these areas.
- The gabions in the westside channel had a significant amount of sediment retained by them. On-going cleaning will need to be done between winter rain events.
- The monitoring team revisited the adjacent neighborhood and school at approximately 10:30 a.m. No landfill odor was detected.
- San Fernando Road at the I-5 overpass had additional dirt dumped on the roadway shoulder and more debris and trash dumped adjacent to the roadway.
- Sierra Highway had trash bags dumped along the roadway near the I-14 overpass.
- There was no landfill odor detected in the Rancho Cascades neighborhood. The illegal dumping has increase on the DWP property.
- The potable water backflow valve is leaking water in the graywater recycling facility area. The steel piping is also leaking near the booster pumps.
- The retaining wall south of the landfill entrance had more soils slide down against the wall fence and on top of the wall drainage. This additional load could be a problem.
- The sewer deep well pump vault area was odorous and the odors could be detected on San Fernando Road.
- The terminal basin had minimal sediment at the outlet risers. The drainage gabions detained sediment before the basin. All systems worked well.

Page 2 of 2, 11/29/16:

- Vegetation was removed from the terminal basin concrete walls and top. Cracks were epoxy-filled. Wind-blown trash was removed from the basins' exterior San Fernando wall.
- The temporary and permanent drainage system from Cell CC-3B worked well.
- Trucks entering the landfill and dripping liquids on the main access road were seen near the oil field road turn-off.
- The liner on the Cell CC-3A slope near the main access road was puffed up with gas. Recovery wells need to be added in this area.
- There was a localized odor detected near CS-30.
- CC-3B was active with approximately 75% of the ADC covered by 10:30 a.m. Tipper and misters were in operation.
- A 12" HDPE gas header on a Cell CC-3A slope was leaking gas with duct tape being used to stop the leak.
- Basin B had minor sediment and minimal standing water at the risers.
- The alternate access road was paved and connected to the prior ridge access roads.
- An old abandoned oil well was observed near the old Flare 8 site and adjacent to the new alternative access road. This well should be re-abandoned.
- Basin D was clean and dry.
- Basin A had sediment and standing water near the outlet risers.

Flare Operating Conditions:

- Flare 1 - not monitored
- Flare 3 - shut down
- Flare 9 - 1637˚F, 2787 SCFM, -63" vacuum, 29" out
- Flare 10 - shut down

The gas-to-energy plant was using 8180 SCFM of recovered landfill gas, 47.1% methane and 5.54% oxygen. The facility was at 100% production.

FURTHER REVIEW NEEDED

COMMENTS

Signed:

SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT

Monitor: Mike Lindsay	Page: 1 of 2
Discipline: Environmental Engineer	Date: 11-29-2016 Tuesday
Site Conditions: Clear, 53–66 °F, 4–20 mph, 38% RH	

SITE LOG

1. Met with Jim Aidukas and Tarik Hadj-Hamou (UltraSystems), and checked into office and with Ricky Dhupar (Republic).
2. Cell CC-4 construction is advancing, with liner in place over 60% of area. Excavation at south end continues near drainage terminus.
3. No odors were detected in adjacent neighborhood and school.
4. No odors were detected at greenwaste facilities on Blucher Avenue.
5. Sierra Highway has dumped trash bags along roadside.
6. Dumped trash and debris is accumulating on San Fernando Road by the I-5 overpass at known locations.
7. Illegal dumping is increasing near the Rancho Cascades neighborhood.
8. A water pipe vent is leaking at the potable water facility.
9. Retaining wall by landfill entrance is impacted with soil at known locations, with new soil deposited against the top fence due to recent rains.
10. A strong condensate odor is coming from the sewer tie-in area.
11. Terminal Basin is in good order, with sediment stopped early at the new rock berm and gabion wall.
12. Vegetation has been removed from the Terminal Basin concrete walls.
13. Wind-blown trash has been removed from outlet-side of Terminal Basin.
14. New terminal berm drainage channels are clear and in good condition after recent rains.
15. Cell CC-3B working area is in good order, with tippers and water misters in operation. ADC is 80% covered by new trash at 10:20 AM.
16. Water trucks are applying water throughout site for dust control.
17. Sediment Basin B is in good order, with minimum standing water and accumulated sediment.
18. Wind-blown trash at north end of Sediment Basin B has been removed.
19. Flare 9 is operating at 2184 scfm, 1637 °F, with blowers 2, 3 and 4 active. Gas levels indicated at 47.1 % Vol. CH4 and 5.5 % Vol. O2.
20. Flare 10 is offline.
21. New secondary access road from Flare 11 site, going up past the old Flare 8 site is open.
22. Sediment Basin A has some standing water from recent rains, and some soil sloughing down from southern hillside of basin.
23. Met with Ricky Dhupar, and discussed our site monitoring observations.

Page: 2 of 2

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FURTHER REVIEW NEEDED
1. Remove dumped trash bags along Sierra Highway. 2. Remove dumped dirt and debris along San Fernando Road. 3. Repair water leak at potable water facility (pipe vent). 4. Remove soil at retaining wall by landfill entrance. 5. Eliminate condensate odor by sewer tie-in area.
Signed: Michael W. Lindsay

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SUNSHINE CANYON LANDFILL

MITIGATION MONITORING
SITE REPORT

Monitor: Tarik Hadj-Hamou, Ph.D., P.E.	PAGE 1 OF 8
Discipline: Civil – Geotechnical and Hydrology	Date: November 29, 2016
Site Conditions: Sunny	
SITE LOG	
7:00- 8:30 meet with UltraSystems team members Jim Aidukas and Mike Lindsay, tour neighborhood for odors, sign-up in main office and prepare tour of landfill.	
8:30 - 1:00 landfill tour Observed the following areas: • Construction of Cell CC4 • Placement of waste in Cell CC3B phase2, • Drainage systems, • Landfill for geotechnical issues.	
Cell CC4 • Cell under construction – liner was installed over roughly 60% of footprint (Photo 1) • Construction of the drainage system was also ongoing (Photo 2) • Liner system meets the design requirements	
Cell CC3 Waste Placement • Waste was placed on top of some plastic interim cover was visible (Photo 3) • No civil or geotechnical issues noted	
Erosion Protection systems • All systems installed at site performed are in good shape	
Drainage system • Basin A: – Following moderate rainfall some soil sloughed from the side slope recently worked during the grading operations for Edison new power poles as was through during the previous visit (Photo 4) – Basin retained some water, (Photo 5) • Basin B: – Totally clean • Basin D – totally clean – The drainage ditches along the side of the canyon are clean and open into the basin • Gabion mats installed in the channel along the access road did a great job retaining fines, minimizing the load in the Terminal basin (Photo 6) • Terminal Basin – The basin is cleaned-up. – The row of gabions midway in the basin have worked well in slowing down water and retaining sediment ahead of the decant towers (Photo 7). – The vegetation growing in cracks in walls on terminal basin written about in previous visits has been removed and the cracks filled with grout. (Photo 8)	

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Overall landfill inspection. • No slope stability issues were noted during the site tour. • The retaining wall outside the property on San Fernando road has not been fixed (Photo 9).
1:00 – 1:15 Close-out meeting with Republic Staff
FURTHER REVIEW NEEDED
Concern about the outside retaining wall if the debris resting against the chicken wire fence becomes waterlogged.
COMMENTS
Signed:

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Photo 1: Liner installation at Cell CC4

Photo 2: Drainage system construction at Cell CC4

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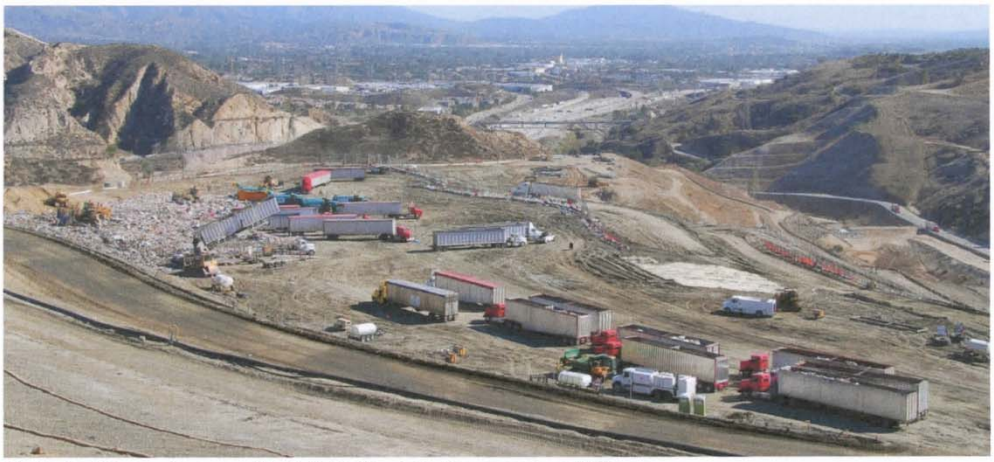

Photo 3: Waste placement in Cell CC3B – Interim cover in middle

Photo 4: Basin A – little to no slough-off of soil

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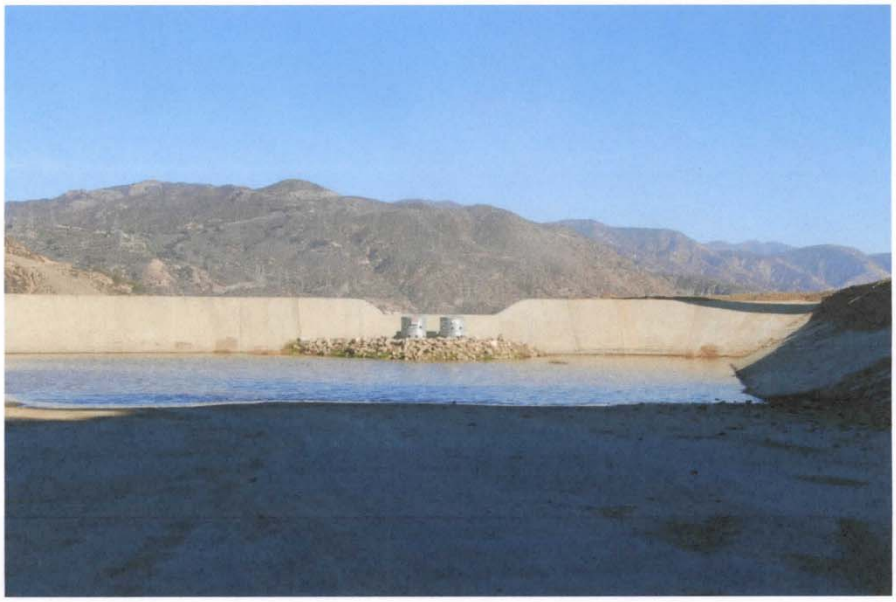

Photo 5: Water in Basin A

Photo 6: Gabion mats in channel along access road

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Photo 7: Gabion Structure in Terminal Basin retained fines

Photo 8: Cracks repaired on wall of terminal basin

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Photo 9: Retaining wall along San Fernando Road

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Photo 5: Outside retaining wall along San Fernando Road

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December Site Visits

December 14, 2016:

James Aidukas (UltraSystems)

Mike Lindsay (UltraSystems)

Tarik Hadj-Hamou (SLR)

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SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT

Monitor: James Aidukas	Page: 1 of 2
Discipline: Project Manager	Date: 12/14/16
Site Conditions: Early morning fog, 55-70˚F with 0-10 MPH wind	

SITE LOG

Republic Site Manager - Rob Sherman

Drove the Granada Hills neighborhood and school area from 6:15 to 7:00 a.m. Did not detect any landfill odors around the school nor on Constable at Canyon Ridge. However, at Timber Ridge and Canyon Ridge, Woodley and Balboa, Sesnon between Orozco and Constable, and the Balboa I-5 overpass, the heavy air had a landfill odor hanging over these areas. Later in the morning when the temperature warmed up and the fog/moist air dissipated, so did the odor.

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

- Drove the neighborhood with the monitoring team. The heavy, moist air was dissipating and most of the background landfill odor was gone. There was a slight odor at Timber Ridge and Canyon Ridge and at the Balboa I-5 overpass.
- Drove the Rancho Cascades neighborhood and there was no landfill odor detected.

Returned to the landfill and signed in at the office. Had a brief discussion with Tyson Ross (Republic) about the morning's heavy air and background odors. Met with Gabriel Esparza and Michael Harmon (LACDPW) and then proceeded to monitor the site and observed the following:

- The drainage systems on the slopes around Cell CC-4 have been enhanced. The liquids and gas recovery system are being modified.
- Vegetation is starting to germinate on the old City landfill slopes above the main access road. The slope with the thick jute netting appears to have the best vegetation establishment.
- CC-3B was the only active area with approximately 50% of the ADC covered by 9:30 a.m. Misters and two Dust Boss units were in operation at the working face.
- Final grading for drainage control in the southern portion of Cell CC-4 was being done. The tie-ins of the new liner to the existing liner was underway. Gas odors were detected in the areas where the existing liner was exposed.
- The terminal basin had minimal sediment and standing water at the outlet risers. The new gabion drainage system improvement worked well.
- The CC-3B temporary basin and the concrete drainage channels worked well and have minimal sediment.
- The leachate treatment facility appeared to be shut down and had a strong leachate odor coming from the Pure Carb vessel.

Page 2 of 2, 12/14/16:

- Sierra Highway had trash bags dumped along the roadway near the I-14 overpass.
- A City DWP area maintenance manager stated that they were permanently blocking Nicholas Avenue's public access to the general area of their powerline right-of-way and their property. He also stated that the illegally dumped material will be removed. He stated that this illegal dumping is occurring in many areas throughout the City.
- A strong, localized condensate odor was detected around the deep well sewer connection in the graywater facility area.
- The potable water supply pressure control valve is still leaking.
- The retaining wall along San Fernando Road had additional dirt accumulate on the top of the wall and against the fence. Winter rains could cause more sloughing and waterlog existing soils that are on top of the wall.
- Sage mitigation on Deck C was doing well with new sage plant growth observed.
- The PM-10 oak trees have some trees with die-back and possible bark infestation. Republic needs to monitor this condition.
- Three Dust Boss units were placed near Deck C and were in operation.
- The water tank on City Deck A has part of the foundation not backfilled.

Flare Operating Conditions:

- Flare 1 - 1730˚F, 1652 SCFM, -57" vacuum
- Flare 3 - shut down
- Flare 9 - not monitored
- Flare 10 - not monitored

The gas-to-energy plant was not monitored.

FURTHER REVIEW NEEDED

COMMENTS

Signed:

SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT

Monitor: Mike Lindsay	Page: 1 of 2
Discipline: Environmental Engineer	Date: 12-14-2016 Wednesday
Site Conditions: Clear, 57–71 °F, 0–10 mph, 73% RH	

SITE LOG

1. Met with Jim Aidukas and Tarik Hadj-Hamou (UltraSystems), and checked into office and with Tyson Ross (Republic).
2. New green grass is starting to grow through jute netting along main haul road slopes.
3. Met with Gabriel Esparza and Michael Harmon (LACDPW).
4. Cell CC-3B working area is in good order, with tippers and water misters in operation. ADC is 50% covered by new trash at 9:30 AM.
5. Observed Cell CC-3B operations from above, at the Cell CC-3A top deck.
6. Cell CC-4 construction continues, with north slope and cell base fully lined. Drainage system is being finalized at south terminus.
7. Terminal Basin is in good order, with sediment stopped early at the new rock berm and gabion wall.
8. New terminal berm drainage channels are clear and in good condition after recent rains.
9. Sierra Highway has dumped trash bags along roadside at known location.
10. The roadway has been blocked near the Rancho Cascades neighborhood to prevent further Illegal dumping on site. LACDWP crew stated that the dumped debris is being scheduled for removal.
11. Leachate treatment facility has a strong leachate odor, especially by the carbon filter drum and center, back liquid processing tank.
12. A water pipe vent is leaking at the potable water facility at known location.
13. A strong liquids odor is coming from the sewer tie-in area.
14. Retaining wall by landfill entrance is impacted with soil at known locations.
15. City Deck C sage mitigation area is in good condition, with some new plant growth due to cooler weather and recent rains. Area is dominated by salt bush, with sage and other species in between.
16. Three water misters (Dust Boss) are in operation above City Deck C for odor control.
17. PM-10 berm is growing well, with oak trees showing signs of new growth. Some oak trees are in die-back from what appears to be bark infestation.
18. Flare 1 is operating at 1608 scfm, 1677 °F. Gas sample measured at 36 % Vol. CH4, 0.8 % Vol. O2, 79 ppm H2S and 46 ppm CO. Gas inlet temperature is at 119 °F.
19. Water trucks are applying water throughout site for dust control.
20. Observed overall landfill operations from the observation deck area.
21. Met with Patti Costa (Republic), and discussed our site monitoring observations.

FURTHER REVIEW NEEDED

Page: 2 of 2 12-14-2016

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1. Remove dumped trash bags along Sierra Highway.
2. Eliminate leachate odor by leachate treatment facility.
3. Repair pipe vent water leak at potable water facility.
4. Eliminate condensate odor by sewer tie-in area.
5. Remove soil at retaining wall by landfill entrance.

Signed: Michael W. Lindsay

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SUNSHINE CANYON LANDFILL

MITIGATION MONITORING
SITE REPORT

Monitor: Tarik Hadj-Hamou, Ph.D., P.E.	PAGE 1 OF 8
Discipline: Civil – Geotechnical and Hydrology	Date: December 14, 2016
Site Conditions: Sunny	

SITE LOG

7:00- 8:30 meet with UltraSystems team members Jim Aidukas and Mike Lindsay, tour neighborhood for odors and illegal dumping, sign-up in main office and prepare tour of landfill.
9:15 meet with LA County DPW staff: Gabriel Esparza and Mike Harmon

9:30 - 1:00 landfill tour
Observed the following areas:

- Construction of Cell CC4
- Placement of waste on Cell CC3B and on top of County Deck
- Drainage systems
- Landfill for geotechnical and hydrological issues

Cell CC4
The cell is under construction, we monitored the on-going installation of the liner system

- approximately 90% of the cell is covered by geosynthetics (Photo 1)
- The base geomembrane of cell CC3 was exposed for connection to the base geomembrane from Cell CC4 (Photo 2)
- The installer applied great care at the connection by brushing, cleaning (brush and blower), and sanding the edge of the Cell CC3 geomembrane prior to welding to the new geomembrane (Photo 3)
- The liner installed on the slope include all the geosynthetics required per the approved liner design system as shown on Photos 4 and 5
- The upper geotextile is exposed to sunlight and should be protected with soil within the timeframe recommended by the manufacturer

Waste Placement

- Cell CC3
  - Waste was placed in the cell
  - Waste was placed directly on top of the plastic filter alternate daily cover (ADC) of CC3 (Photo 6)
  - Some of the ADC was visible but does not appear to be punctured or torn under weight of new waste (Photo 7)
  - No civil or geotechnical issues noted
- Deck of County Landfill
  - Waste was placed on deck of the County Landfill – we did not observe the operations closely

Erosion Protection systems

- All systems installed at site are in good shape
- Grass is growing through the erosion protection mesh (Photo 8)
- The slopes of the new drainage channels towards the final sediment basin (Photo 9) could be protected against erosion by installation of wattles

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Drainage system • All the channels are clean of debris and sediments • Gabion mats installed in the channel along the access road did a great job retaining fines, minimizing the load in the Terminal basin (Photo 10) • Terminal Basin – The basin is cleaned-up. – The row of gabions midway in the basin have worked well in slowing down water and retaining sediment ahead of the decant towers. –
Overall landfill inspection. • No slope stability issues were noted during the site tour • The retaining wall outside the property on San Fernando road has not been fixed. • The open trench around the water tank ring foundation noted in previous visits is getting filled with gravel (Photo 11)
1:00 – 1:15 Close-out meeting with Republic Staff
FURTHER REVIEW NEEDED
• Concern about the outside retaining wall if the debris resting against the chicken wire fence becomes waterlogged during rainstorms. • Exposed geotextile liner system on slope of Cell CC4
COMMENTS
Signed: 

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Photo 1: Liner installation at Cell CC4

Photo 2: Connection of CC3 Geomembrane to CC4 Geomembrane

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Photo 3: Preparation of CC3 Geomembrane for welding

Photo 4: Liner system on slope of CC4

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Photo 5: GCL within liner system on slopes of CC4

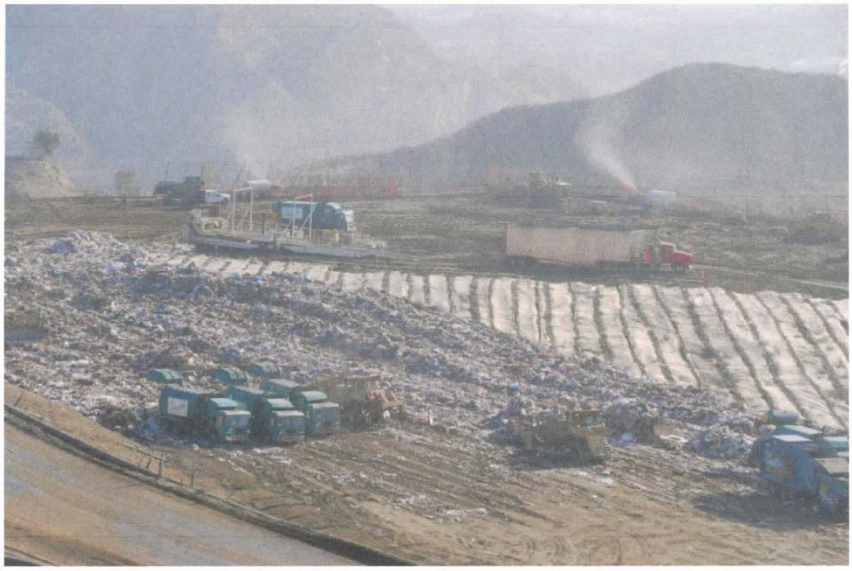

Photo 6: Placement of waste at CC3

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Photo 7: ADC at CC3

Photo 8: Grass growing through erosion protection system

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Photo 9: Slopes at new drainage channels

Photo 10: Gabion heads in main channel along access road

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Photo 11: Trench around ring foundation of water tank

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Appendix IV
Meeting Logs

Sunshine Canyon Landfill
Meeting Log for October 2016 Site Monitoring

October 11, 2016

Post-monitoring meeting with Ricky Dhupar (Republic).

Attendees:
James Aidukas, UltraSystems
Mike Lindsay, UltraSystems

Discussion:

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

a. Jim Aidukas stated that no landfill odors were detected in adjacent Granada Hills neighborhood this morning between 6:50 AM and 7:30 AM, except for a brief, slight background odor at Sesnon Boulevard and Orozco Street, which was detected at 7:15 and gone by 7:20.
   - Ricky Dhupar stated that they can add an odor patrol point on their maps for routine inspections.

b. Jim Aidukas stated that at 7:45 AM, a street sweeper was seen cleaning the landfill main access road. The incoming far right side of the lane was free of dirt, but not the center of the lane. The exit lanes needed cleaning.
   - Ricky Dhupar stated that he will let operations know about this.

c. Jim Aidukas stated that uncompacted soil was covering the gas header to Flare 3 on top of the southwest wall of Sediment Basin A. This soil could be washed into the basin during a rain event. Also, some wind-blown trash was seen in the back of the basin and on native slopes adjacent to the basin.
   - Ricky Dhupar stated that he will let operations know about this.

d. Jim Aidukas stated we observed that the Terminal Basin has a new rock wall installed at the entrance to the basin. He asked what was it designed to accomplish.
   - Ricky Dhupar stated that they are trying a new strategy to capture more sediment by slowing down the flow at the entrance to drop sediment early.

e. Jim Aidukas stated that the Deck A water tank had about 80% of the foundation backfilled. The remaining backfilling should be completed before winter rains occur.
   - Ricky Dhupar acknowledged the statement.

f. Jim Aidukas asked if the new secondary access road at Flare 11 has been completed.
   - Ricky Dhupar stated that he believes so, and will confirm that it is open.

g. Jim Aidukas stated that we observed the landfill gas being recovered totaled 13,054 scfm.
   - Ricky Dhupar acknowledged the statement.

h. Jim Aidukas stated that the packer trucks are not cleaning their seals after dumping trash. Some packer trucks entering the landfill were observed to be dripping liquid from the bottom of the back cover of the packer truck.
   - Ricky Dhupar acknowledged the statement.

i. Mike Lindsay stated that the retaining wall and the walkway in front of the wall south of the landfill entrance had no change from prior visit observation and is still impacted with soil. More sloughing of soil from the hillside has occurred since the last monitoring visit.
   - Ricky Dhupar stated that he will talk to their engineering geotechnical consultants about what could be done.

j. Mike Lindsay stated that San Fernando Road at the I-5 overpass had more illegal soils and wood debris dumped on the roadway shoulder. He asked if the city was called and if a clean-up schedule was given.
   - Ricky Dhupar stated that he will call the city 311 action line again.

k. Mike Lindsay stated that Sierra Highway had debris dumped on the roadside at the I-14 overpass.
   - Ricky Dhupar stated that he will talk to the operations staff.

l. Jim Aidukas stated that the Rancho Cascades area had extensive dumping of rubble and debris.
   - Ricky Dhupar stated that he will call the city again.

The meeting was then adjourned.

Sunshine Canyon Landfill
Site Monitoring Meeting Log
November 2016

November 1, 2016

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

Attendees:
Gabriel Esparza, LACDPW
Vu Truong, LACDPW
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. Mike Lindsay stated that no odors were detected in adjacent neighborhood this morning.
   - Patti Costa acknowledged the statement.

b. Gabriel Esparza stated that at 8:20 AM he detected a faint, fleeting trash smell near Woodley Avenue and Balboa Boulevard. Mike Lindsay stated that James Aidukas also detected an odor coming from the pavement at this intersection at 6:30 a.m.
   - Patti Costa stated that the smell comes from liquids leaking from trash trucks, and that Rob Sherman has contacted the City, and they have been cleaning the streets.

c. Mike Lindsay stated that a gas odor was detected near gas well CTC-703.
   - Patti Costa acknowledged the statement.

d. Mike Lindsay stated that the ADC remained exposed throughout the day, by varying amounts.
   - Tyson Ross stated that depending on the trash volume, they keep trash covered with ADC as needed to prevent atmospheric exposure and may not be fully covered each day.

e. Mike Lindsay stated that vegetation is growing in the top of the concrete wall of the Terminal Basin.
   - Tyson Ross stated that they will take care of it.

f. Mike Lindsay stated that a pipe vent has a water leak on the potable water supply piping at the gray water handling area.
   - Patti Costa stated that they need to shut the water off in order to repair the leak, and are waiting for the hot weather to end.

g. Mike Lindsay stated that the retaining wall at the landfill entrance is still impacted with soil.
   - Ricky Dhupar stated that GLA is planning to inspect the wall.

h. Mike Lindsay stated that San Fernando Road has new debris dumped on the roadside at the I-5 overpass.
   - Ricky Dhupar stated that he will call again.

i. Mike Lindsay stated that the Rancho Cascades area now has organic trash being dumped, which is a new occurrence.
   - Ricky Dhupar stated that he has notified LACDWP, which is the land owner.

j. Mike Lindsay stated that the condensate tanks stored at the storage yard are odorous.
   - Ricky Dhupar stated that he will check into the problem.

The meeting was then adjourned.

November 29, 2016

Post-monitoring meeting with 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. James Aidukas stated that he drove around the Granada Hills neighborhood and school area from 6:15 to 7:30 a.m. and did not detect any landfill odors. At 7:15 a.m., there was a slight background odor detected on Timber Ridge Drive.
   - Ricky Dhupar acknowledged the statement.

b. James Aidukas stated that a landfill gas odor was detected just south of the road grading that was being done adjacent to the main haul road.
   - Ricky Dhupar acknowledged the statement.

c. James Aidukas stated that a HDPE gas collection mainline by Cell CC-4 was leaking gas, and that duct tape had been used to try to seal the leak.
   - Ricky Dhupar stated that he would contact operations about a permanent repair.

d. James Aidukas stated that we drove the new secondary access road from Flare 9 and 10 and observed that there is now a secondary access road that exits onto Coltrain Road at the I-5 freeway.
   - Ricky Dhupar acknowledged the statement.

e. James Aidukas stated that we observed an old abandoned oil well casing adjacent to the access road near the Flare 8 prior site. This well casing needs to be properly abandoned.
   - Ricky Dhupar acknowledged the statement.

f. James Aidukas stated that Sediment Basin A has a substantial amount of standing water near the outlet risers.
   - Ricky Dhupar acknowledged the statement.

g. James Aidukas stated that we observed that the vegetation growing out of the concrete wall of the Terminal Basin has been removed, and cracks have been grouted.
   - Ricky Dhupar acknowledged the statement.

h. James Aidukas stated that the Sediment Basin D drainage channel was observed to be free of sediment and wind-blown vegetation.
   - Ricky Dhupar acknowledged the statement.

i. James Aidukas stated that there was a condensate odor at the sewer tie-in, and that we were able to detect it on San Fernando Road.
   - Ricky Dhupar stated that they will investigate the odor source.

j. James Aidukas stated that there was a landfill gas odor near Cell CC-2 coming from a broken HDPE gas pipe.
   - Ricky Dhupar acknowledged the statement.

k. James Aidukas stated that dust clouds were observed on the County and City inactive top decks due to the high winds. The used of soil sealant should be considered for these areas.
   - Ricky Dhupar acknowledged the statement.

l. Tarik Hadj-Hamou stated that Sediment Basin A had dirt sloughing into it from the adjacent grading for the Edison poles and the new access road to Flare 3. The sloughing should be monitored during winter rains.
   - Ricky Dhupar acknowledged the statement.

m. Tarik Hadj-Hamou stated that Republic's geotechnical engineer doing the liner installation at Cell CC-4 should monitor the exposure time to sunlight of the textile mat to insure that it is compliant with the manufacturer's recommendations.
   - Ricky Dhupar acknowledged the statement.

n. Tarik Hadj-Hamou stated that the retaining wall south of the landfill entrance has the fencing and top drainage still impacted with soil, and is at-risk in a big rain event.
   - Ricky Dhupar acknowledged the statement.

o. Mike Lindsay stated that Sierra Highway has dumped trash on the roadside.
   - Ricky Dhupar stated that he will look into getting it cleaned up.

p. Mike Lindsay stated that San Fernando Road has new debris dumped on the roadside at the I-5 overpass.
   - Ricky Dhupar stated that he will call the City 311 again to advise them that the illegal dumping is getting worse.

The meeting was then adjourned.

Sunshine Canyon Landfill
Meeting Log for December 2016 Site Monitoring

December 14, 2016

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

Attendees:
Gabriel Esparza, LACDPW
Michael Harmon, 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. Tarik Hadj-Hamou stated that the liner installation for Cell CC-4 is going well, and that they are using electric grinders to prepare the liner surfaces for welding.
   - Patti Costa acknowledged the statement.

b. Tarik Hadj-Hamou advised to cover the textile mat and liner material at Cell CC-4 within six weeks to prevent damage from ultraviolet radiation.
   - Patti Costa acknowledged the statement.

c. Tarik Hadj-Hamou stated that the gabion walls at the terminal basin and in the westside drainage channel are doing a good job in handling the sediment prior to getting to the outlet riser.
   - Patti Costa acknowledged the statement.

d. Tarik Hadj-Hamou stated that Republic should consider installing two straw wattle lines on the Cell CC-3B slopes for erosion control.
   - Patti Costa acknowledged the statement.

e. James Aidukas stated that Cell CC-4 northeast slope had landfill gas odors detected..
   - Patti Costa stated that the gas odor was coming from making the liner tie-ins. She stated that they were doing one section at a time to minimize any odors..

f. James Aidukas stated that he drove the Granada Hills neighborhood and school area from 6:15 to 7:00 a.m. and did not detect any landfill odors around the school nor on Constable at Canyon Ridge. However, at Timber Ridge and Canyon Ridge, Woodley and Balboa, Sesnon between Orozco and Constable, and the Balboa I-5 overpass, the heavy air had a landfill odor hanging over these areas. Later in the morning when the temperature warmed up and the fog/moist air dissipated, so did the odor.
   - Patti Costa acknowledged the statement.

g. James Aidukas stated that the leachate treatment system was not operating and that a strong odor was detected coming from the Pure Carb vessel area.
   - Patti Costa acknowledged the statement.

h. James Aidukas stated that there was a strong, localized condensate odor detected around the deep well sewer connection in the graywater facility area.
   - Patti Costa stated that they will investigate the odor source.

i. James Aidukas stated that oak tree branches are in contact with the landfill's communication lines near the landfill entrance and appropriate maintenance personnel should look at the condition .
   - Patti Costa acknowledged the statement.

j. James Aidukas stated that the DWP personnel had blocked public access to Nicholas Avenue at the entrance to their powerline right-of-way and their property. The DWP maintenance manager stated that all illegally dumped material would be removed.
   - Patti Costa acknowledged the statement.

k. Gabriel Esparza asked what working areas are active right now.
   - Patti Costa stated that Cell CC-3B and County top deck are now active.

l. Gabriel Esparza asked if the County top deck working area is using ADC.
   - Patti Costa stated that yes, the County top deck is using ADC.

m. Gabriel Esparza asked if Cell CC-4 Part 2 is west of Cell CC-4 Part 1.
   - Patti Costa stated that yes, with Parts 3 and 4 west of that.

n. Mike Lindsay stated that Sierra Highway had dumped trash on the roadside near the I-14 overpass.
   - Patti Costa acknowledged the statement.

o. Tarik Hadj-Hamou stated that the water tank foundation needs to be fully backfilled.
   - Patti Costa acknowledged the statement.

p. James Aidukas stated that the slopes along the haul road that are covered with liner material were inflated with what appears to be landfill gas.
   - Patti Costa stated that they are planning to apply more cover to that area.

q. James Aidukas stated that the retaining wall at the landfill entrance is still impacted with soil, and asked if GLA is planning on inspecting it and providing recommendations.
   - Patti Costa stated that she will put it on her to-do list, and follow-up with us.

The meeting was then adjourned.