Sunshine Canyon Landfill
Independent Monitor
Quarterly Site Monitoring Status Report
October 1, 2015 – December 31, 2015

Prepared For:

City of Los Angeles Department of City Planning

And

County of Los Angeles Department of Regional Planning

Prepared By:

UltraSystems
environmental | management | planning

16431 Scientific Way
Irvine, California 92618

Prepared On:

February 12, 2016

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UltraSystems
environmental | management | planning

CERTIFICATION STATEMENT

February 12, 2016

The attached Quarterly Site Monitoring Status Report for the Sunshine Canyon Landfill dated February 12, 2016 is the Fourth Quarterly Report for 2015, issued by UltraSystems. This report covers the monitoring period from October 1, 2015 through December 31, 2015 and is prepared for the City of Los Angeles Department of City Planning and the County of Los Angeles Department of Regional Planning.

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

Signed,

James T. Aidukas

Project Manager

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

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Quarterly Status Report

This Quarterly Status Report is a compilation of the period's monthly Site Monitoring. After each site visit, the UltraSystems monitors who went to the Sunshine Canyon Landfill site each wrote a Mitigation Monitoring Site Report, updated the Mitigation Monitoring Summary Excel Tables for the City and County of Los Angeles noting any conditions and/or mitigation measures that need further review, and documented these areas in an appendix for that site visit date. Any issues that required immediate attention were reported to 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 Summary Tables record each site visit and frequency of monitoring of specific conditions and/or mitigation measures, by date. 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–Comment column are those action items that would improve monitoring efficiency by having reports and documents readily available. These are summarized in the Compliant with Comments section of the monthly monitoring records and the Summary of Requested Documents of the Quarterly Reports. The City and County Excel Spreadsheets record the site conditions observed during monitoring.

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, 2015 to December 31, 2015. It includes:

1. The City and County Mitigation Monitoring Summary Excel Tables for October 1, 2015 to December 31, 2015. These tables record the areas of monitoring completed and the status of being compliant during the fourth quarter of 2015;

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 report from each monitor;

5. Meeting logs documenting any meetings with Republic Services staff and/or public agencies and 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 2015 quarter in order to observe operational site activities and determine compliant status with conditions and/or mitigation measures. They were performed on October 14, 2015; October 28, 2015; November 16, 2015; and December 9, 2015. 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 Services (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 Mitigation Monitoring Spreadsheets for the City and County show the conditions and/or mitigation measures monitored during the quarter. Also included in this report are relevant photos in Appendix II.

Compliant

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

Non-Compliant

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

Further Review Needed

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

Q-B.2.c (City)

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

Geology-1.07 (County)

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

Geology-1.11 (County)

Grading allows for ancillary facilities outside of the landfill footprint.

Biota-4.29 (County)

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

Biota-4.30 (County)

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

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

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

Current Status/Comments – In early October, the liner was being placed in the Cell CC-3B area and on the lower slopes of the old City North landfill. Activities observed included liner installation of geosynthetic material on side slopes and excavation of anchor trenches. Quality control (CQA) monitoring was ongoing as evidenced by markings on the geosynthetic material. Liner on slopes was observed to meet design approved by the Reginal Water Quality Control Board (RWQCB) and consists of, from bottom to top of prepared soil foundation, high-density polyethylene (HDPE) geomembrane, geosynthetic clay liner (GCL) and HDPE geomembrane. In the area where the liner overlies the inactive landfill, a geocomposite material to act as a gas collection layer was installed in accordance with County Condition Groundwater 3.13. Additionally, grading was occurring south of Basin A removing the hill where the old offices were located.

In late October, Cell CC-3B was nearing liner completion with clay being placed on top of the liner. Grading continued south of Basin A.

In mid-November, work on Cell CC-3B stopped for the day that the monitor was onsite because of high wind conditions. The cell construction was still in progress, however.

In mid-December, Cell CC-3B was having final liner cover being placed on top of the lined area. Construction of temporary stormwater basins and HDPE-lined drainage ditches were being constructed. Grading continued south of Basin A.

Q-B.2.d (City)
Phase III (10 Year Phase Review). Phase III of the Landfill may occur following review by the Director of Planning of the operational history with the assistance of the Technical Advisory Committee, Independent Consultants, and/or Local Enforcement Agency.

Current Status/Comments – The Department of City Planning prepared a Recommendation Report for the Phase III (10-year Phase Review). This report was presented and acted upon at the October 22, 2015 City Planning Commission hearing. A copy of the Recommendation Report is included in Appendix 5 of this Quarterly Report.

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

Odor/Landfill Gas - 7.07 (County)
The permittee will recover and sell as much gas as is technically and economically feasible to reduce total air quality emissions from the landfill operations. It is expected that the technical and economic

feasibility of commercial recovery and sale of landfill gas as a renewable energy resource will occur at levels below 40 MMCFD. The gas collection system will be installed in increments to allow for maximum gas recovery.

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

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

Current Status/Comments – In early October, the gas-to-energy plant was operating under partial load due to scheduled maintenance. Sunshine Gas Producers had just completed their annual turnaround to perform the yearly maintenance, cleaning and replacement of equipment. At the time of monitoring, the facility was operating at 50% production of electricity.

At the end of October, the gas-to-energy plant was operating at full load. Power generation was up approximately 10% over full production with the cooler weather, with a gas flow of 8246 SCFM.

In early December, the gas-to-energy plant was operating at full load. Power generation was up approximately 10% over full production with the cooler weather, with a gas flow of 8200 SCFM.

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 early October, it was observed that a secondary access road from City Deck C to the oil field and Sesnon Boulevard had not been graded or surfaced with rock. Passenger vehicles may not be able to use this road in its current condition, with deep ruts in a dirt road. Also, many facilities on site were being relocated. At the completion of this construction, a fire plot plan showing the new locations of offices, maintenance facilities, water tanks, fire hydrants

and roadways should be prepared and provided to the City Fire Department and City and County Planning. Emergency egress should be posted for site 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 fourth quarter monitoring period, the only grading activities were in the area south and east of Basin A. The hill that previously was the office and equipment maintenance center site was being excavated, with the excavated soil being used for daily cover. The area southeast of Basin A was not active. All excavation was being monitored by a paleontologist.

M-4.1.1(6) (City)

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

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

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

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

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

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

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

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

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

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

Current Status/Comments – During the fourth quarter monitoring, the germination of hydroseeding on interim and inactive slopes had greened due to rain events. Most noticeable was the jute-netted slope area with seed incorporated in it used on the cut slopes above the realigned access road near the entrance. Alternatives to hydroseeding on interim and inactive slopes for slope stability and dust control were being used.

Plastic and jute were being used on the south-facing slopes of Cell CC-3A. A performance test was still being done by the landfill on these two slope stability options. No hydroseeding was done in

the fourth quarter due to drought conditions followed by heavy rainstorms. The operator stated that during heavy rains, hydroseeding would be washed away.

In the fourth quarter, the monitor also observed that erosion control was accomplished by jute and plastic netting on select slope areas. The majority of erosion control was being done by straw wattles on slopes, with temporary HDPE-lined down-comers and bench V-ditches. Not all areas of the City slopes had wattles or HDPE-lined water conveyance systems in place. These areas could have major erosion during El Niño rain events. The rainstorms in the fourth quarter did not have major slope erosion in these areas.

In mid-November, the monitors observed high winds exceeding 25 MPH that caused the landfill to stop operations. Blowing dust was occurring on the inactive areas: County top deck and slopes, City top deck and slopes, old City landfill slopes and the deck near the new water tank. Use of soil sealant should be investigated for these areas. The use of water from trucks had minimal effectiveness when the high winds were blowing.

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 – As previously noted in the third quarter report, two old oil well casings were observed in the area north of the new offices. These well casings had not been lowered or reabandoned in the fourth quarter.

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 will be reported.

In early October, a monitor drove the adjacent neighborhood at approximately 6:45 a.m., and detected working face odors at Sesnon Boulevard east of Orozco Street. When driving on the landfill access road, gas odors were detected north of Cell CC-3B on the north edge of the road. The waste slope facing south near the tipping top deck had freshly disposed waste and was very odoriferous. This waste was not being covered with soil until adequate waste was placed to build the slope. The tipping top deck was small and concentrated at the side slope. A vapor emitting Dust Boss was being used at this location. The use of a plastic-type material as alternative daily cover during the weekday operation started October 13. The plastic tarp was observed and appeared to be controlling any odors at approximately 8:00 a.m. No operational issues were observed. Monitors drove to the greenwaste processing facilities on Blucher Avenue north of the Odyssey Restaurant. The C&D Recycling Center and the North Hills Recycling Facility had strong greenwaste odors at their frontage, and greenwaste odors could be detected on the I-405 Freeway below these facilities. No odor was detected coming from the City Van Norman greenwaste facility. The monitors drove the adjacent neighborhood at approximately 9:00 a.m., and still detected a working face odor on Sesnon Boulevard north of Orozco Street. This odor was much less than at 6:45 a.m. The odor appeared to have come over the old City south berm and down canyon.

In late October, a monitor drove the adjacent neighborhood and no odors were detected. On the way from the adjacent neighborhood to the landfill, odors from the working face were detected on Balboa Boulevard approximately two blocks west of the incline to San Fernando Road. When driving on the landfill access road, gas and working face odors were detected north of Cell CC-3B on the north edge of the road. The working face odor was strong on the haul road (south of the waste fill slope), but barely detected to the north on the top deck. Two Dust Boss misters were being used. Along the haul road there was a liquid breakout of leachate or condensate downhill from Well CHC-912. Republic was notified. The greenwaste facilities along Blucher Avenue were visited. Strong odors were detected at the C&D and North Hills locations.

In mid-November, a monitor drove the adjacent neighborhood and there was one area on Sesnon Boulevard one block east of Orozco Street where a working face odor was detected. The C&D greenwaste facility on Blucher Avenue had strong greenwaste odors that were detected on Blucher Avenue and the 405 Freeway. The North Hills Recycling on Blucher Avenue also had strong greenwaste odors. There were approximately 30 trucks lined up waiting to dispose of greenwaste, with strong odors detected also coming from the trucks. A pile of wood chips approximately 20 feet high north of the C&D greenwaste facility was steaming due to composting.

In early December, a monitor drove the adjacent neighborhood and detected a landfill odor on Constable Avenue. The odor source detected earlier at Constable Avenue near Canyon Ridge was still detected at 7:45 a.m., and had a "distinct" level of intensity. It was an operating face smell. The monitor measured wind speed at 9.1 MPH to the SSW, directly over the berm area. The monitors drove the rest of the neighborhood and no landfill odors could be detected at other locations. Constable Avenue was rechecked at 8:25 a.m., and still had landfill working face odors present. Additionally, a greenwaste odor was detected at Balboa Boulevard near the I-5 Freeway overpass.

The monitors drove to the greenwaste processing facilities on Blucher Avenue. Strong greenwaste odors were detected coming from the C&D Recycling and North Hill Greenwaste facilities area. At the landfill, the monitors detected condensate odors at the sewer connection deep well pump. The covers to the deep well were not secure with the locking bolts, and the foam seal was broken.

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

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

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

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

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

In early December, the monitors observed that temporary drainage controls were installed downstream of the Cell CC-3B with their discharge into the terminal basin.

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

ditches. These ditches shall connect directly to the temporary diversion drainage ditches that will protect the active landfill areas from natural surface runoff.

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

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

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

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

Surface Water 2.14 (County)
An erosion control plan would be implemented by the project proponent to prevent stormwater pollution from construction activity. Construction materials, equipment and vehicles would be stored or parked in areas protected from stormwater runoff. Construction material loading and unloading would be in designated areas to minimize any washout due to stormwater runoff. Pre-construction controls would be implemented to include the use of a sandbagging system, including sandbag check dams and sandbag desilting basins, which would be used to limit runoff velocities and minimize sediment in storm water runoff.

Current Status/Comments – The erosion control plan should be available onsite for review. This plan should be a living document that keeps up with construction activities.

M-4.3.1(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 – In early October, the monitors observed that the native hillside drainage channel south of the material storage area and Basin D has the discharge into Basin D blocked by soil placed to have an access road. The hillside water in the channel has no controlled outlet. This blockage should be removed. Basin A riser drain rock was plugged with sediment. Drainage into the outlet risers may be impeded. The drainage channel out of Basin A was partially blocked with soil. The main westside concrete drainage channel in one section has the floor continuing to lift and the sidewall cracks worsening.

Also, the geomembrane liner on a section of the Basin D outlet channel needed to be fixed because the large membrane flap at entry to the channel needs to be affixed to the shotcrete so water will not flow under and affect the flow pattern in the channel. In addition, the membrane is not affixed to the side of the channel at the beginning of the lined portion, and there is a gap between the shotcrete and the membrane. Water will flow between the membrane and shotcrete and will eventually rip it, thereby voiding its role. Batten strips can be used to secure the membrane to the shotcrete. Tumbleweed should be removed from the channel.

In late October, the monitors observed that the terminal basin was ready for fall and winter rains. K-rails were placed in the basin to help control any sediment. There was minor sediment from the prior rain events. The sidewalls of the terminal sedimentation basin had horizontal cracks with vegetation growing out of the cracks. Vegetation should be removed and the crack sealed.

The native canyons above the office facilities drain into two shallow dirt basins. Each basin has two 24-inch corrugated HDPE drain lines draining them onto a sloping deck that drains to the slope uphill from the offices. These drains could flood the offices with mud and water during a heavy rain. There is a hazard to the facilities. Basin A had approximately one foot of standing water that was not draining through the rock into the outlet risers. The drainage channel out of Basin A was blocked with soil with a 20-inch HDPE pipe being the only flow to the westside channel. The blocked native drainage channel south of the material storage area noted on the October 14 monitoring visit had the road and rock removed, and now drains into Basin D. The Basin D outlet channel has tumbleweed blocking a portion of the channel. Additional sandbags were placed on the leading edge of the channel's HDPE liner to prevent the liner from uplifting. Basin B was clean with minor water puddles.

In mid-November, the monitors observed that the Basin A outlet channel was blocked with dirt and sand bags except for a 12-inch HDPE line. There was a temporary road crossing at this location.

In December, the monitors noted that the removal of the soil on the top of the retaining wall along San Fernando Road south of the entrance had not been scheduled. The wall had the top drainage

channel blocked, and the soil and rock topped the wall's fence in some locations. Also, two oak trees above the retaining wall were losing soil around their roots, and if they slide it would impact San Fernando Road and the powerlines. An arborist should look at the condition of these trees.

Basin A was clean and free of sediment. The westside concrete drainage channel had not been scheduled for repair. Portions of one section of the floor continue to lift and sidewall cracks were worsening. Basin D had grading done to build berms to direct stormwater flow into the northern outlet; before, flow would go to the westside channel. This basin was ready for winter storms. The Basin D outlet channel had sections of it blocked with tumbleweed.

Basin B was clean and free of sediment and ready for winter storms.

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 early October, the monitors observed that the City Deck C sage mitigation was doing well. Removal of unwanted plants and thinning out of the salt bush was going to be scheduled. The oak mitigation trees on the City Deck C berm were doing well. The understory trees could be planted in over half of the berm. City Deck A and B had no sage mitigation or invasive plant removal activity.

In late October, the monitors observed that the City Deck C sage mitigation had greened. Saltbush thinning and invasive plant removal was being performed by the contractor. There was no sage mitigation activity on City Decks A or B, or in the County sage mitigation 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 – In the fourth quarter, no progress was made in finalizing an agreement between Republic and the City to use the Chatsworth Reservoir as a wetland mitigation site.

M-4.9.1(94) (City)

The spill response program shall be part of required training for all facility employees. In the event of a spill, containment is paramount. All landfill employees shall be trained to use dirt and/or other absorbent materials to pick up and/or contain small spills of oils, solvents, and/or other material that may be harmful to the public, facility workers, or the environment. Training in the use of personal protective equipment, fire extinguishing aids (e.g. hoses or extinguishers), and spill containment/mitigation (e.g. absorbents) shall be provided.

Current Status/Comments – In late October, the monitors observed that there was a broken-down bulldozer next to Basin A that had leaked a substantial amount of oil onto the soil.

In November, it was observed that the equipment which caused the oil spill near Basin A had been moved and the oil-soaked soils had been removed.

In December, the monitors observed oil and other liquids in the dirt in a drainage ditch on the south side of the leachate treatment facility site.

M-4.9.4(121) (City)
The landfill operator shall implement a fire prevention plan in compliance with CCR, Title 8, § 3221. Components of this written fire prevention plan shall include potential fire hazards and their proper handling and storage procedures; potential ignition sources (i.e., welding or smoking), their control procedures, and the type of fire protection equipment or systems that can control a fire involving them; names or regular job titles of those responsible for maintenance of equipment and systems installed to prevent or control ignitions or fires; and names or regular job titles of those responsible for the control of accumulation of flammable or combustible waste materials.

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 early October, it was observed that a secondary access road from City Deck C to the oil field and Sesnon Boulevard had not been graded nor surfaced with rock. Passenger vehicles may not be able to use this road in its current condition, with deep ruts in a dirt road. Also, many facilities on site were being relocated. At the completion of this construction, a fire plot plan showing the new locations of offices, maintenance facilities, water tanks, fire hydrants and roadways should be prepared and provided to the City Fire Department and City and County Planning. Emergency egress should be posted for site employees and customers.

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 fourth quarter, 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 – During the fourth quarter, a paleontological consultant was on site monitoring the excavation west and south of the offices in the City and County jurisdictions. No recoverable resources were encountered; only minor non-recoverable fragments.

A paleontological consultant was monitoring the site grading near Basin A.

Paleontological reports are on file and are available in Republic's offices.

Summary of Requested Documents

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

a) Current Fill Sequence Plan.

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

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

d) The current erosion control plans should be available for agency and monitor review.

e) Site drainage plans, including surface and underdrains 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/ County, as shown on the Mitigation Monitoring Summary Excel 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. Furthermore, monitoring of the tasks on these Excel 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 2015 fourth quarter Mitigation Monitoring Summary Excel spreadsheets track the progress and completion of tasks as they were accomplished during this quarterly period.

Sunshine Canyon Landfill City Mitigation Monitoring Summary
(10-01-2015 through 12-31-2015)

Line #	Reference #	Mitigation #	City Mitigation Measures and Conditions Monitored by Discipline	Monitoring Frequency	Third Quarter																Fourth Quarter																	
					7/22/2015	Status*	Further Review Needed/Comments**	Resolved*	8/11/2015	Status*	Further Review Needed/Comments**	Resolved*	8/26/2015	Status*	Further Review Needed/Comments**	Resolved*	9/23/2015	Status*	Further Review Needed/Comments**	Resolved*	10/14/2015	Status*	Further Review Needed/Comments**	Resolved*	10/28/2015	Status*	Further Review Needed/Comments**	Resolved*	11/16/2015	Status*	Further Review Needed/Comments**	Resolved*	12/9/2015	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	
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	
10			Ancillary Uses and Facilities																																		
11	Q - B.2.d (3)		10 Year Phase Review	2015	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	I-m		✓	C	NONE		✓	C	I-o		✓	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	
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	
17	Q - C.3.h.		Surfacing of Access Roads	ongoing	✓	C	NONE		✓	C	NONE		✓	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	
19	Q - C.10.c.		Evaluation of Beneficial Gas Usage	June yearly	✓	FRN	I-j		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	I-n		✓	C	I-o		✓	C	NONE		✓	C	I-q	
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-n													

*** 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

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(10-01-2015 through 12-31-2015)

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27	T - 5.j.		Trip Diversion	status	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
28	T - 6		Satisfactory Street Lighting	status	/				/				/				/				/				/				/				/			
29																																				
30	M - 4.1.1	7	Reabandonment Procedures	status	✓	FRN	I-j		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	FRN	I-n		✓	FRN	I-o		✓	FRN	I-p		✓	FRN	I-q	
31	M - 4.1.4	11	Post-5.0 Earthquake Analysis	upon event	/	NA	NONE		/	NA	NONE		✓	FRN	I-l		/	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	
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	
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	
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	
36	M - 4.2.12		Site Erosion-Sealant	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
37	M - 4.2.13	29	LFG Control Measures	ongoing	/		I-j		/		I-k		/		I-l		/		I-m		/		I-n		/		I-o		/		I-p		/		I-q	
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	
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	
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	
41	M - 4.2.13	33	Odor Control Measures	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-m		✓	FRN	I-n		✓	FRN	I-o		✓	FRN	I-p		✓	FRN	I-q	
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	
43			Periodic LFG Monitoring		/		I-j		/		I-k		/		I-l		/		I-m		/		I-n		/		I-o		/		I-p		/		I-q	
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	
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	
46	M - 4.4.2	69	Offsite Mitigation Sites	status													✓	FRN	I-m		✓	FRN	I-n		✓	FRN	I-o		✓	FRN	I-p		✓	FRN	I-q	
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	
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	
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	

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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	
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	
54	M - 4.9.3	109	Periodic Offsite Litter Pickup	ongoing																																
55	M - 4.9.3	110	Illegal Dumping Activities	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
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	
57	M - 4.9.3	112	Litter Control	ongoing	✓	C	NONE		✓	C	NONE		✓	FRN	I-l		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	FRN	I-p		✓	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	
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	
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	
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	
64																																				
82	Civil & Geotechnical Engineer																																			
83																																				
84																																				
85	M - 4.1.1	2	Grading Outside of Conceptual Grading Plan Area	ongoing	✓	C	I-j		✓	FRN	I-k										✓	C	I-n		✓	C	I-o		✓	C	NONE		✓	C	I-q	
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		✓	FRN	I-k										✓	C	I-n		✓	C	I-o		✓	C	NONE		✓	C	I-q	
88	M - 4.1.1	5	Grading Activity Compliance	ongoing	✓	C	I-j		✓	FRN	I-k										✓	C	I-n		✓	C	I-o		✓	C	NONE		✓	C	I-q	
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	
93	M - 4.1.5	12	Geologic Hazards - Liquefaction	ongoing	✓	C	I-j		✓	FRN	I-k										✓	C	I-n		✓	C	I-o		✓	C	NONE		✓	C	I-q	
94	M - 4.1.5	13	Design/Construction-Liquefaction	ongoing																																

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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	
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	
98	M - 4.1.6	17	Final Slope Factors of Safety	ongoing																																
99	M - 4.1.6	18	Survey Monuments	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
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	
105	M - 4.14.1	155	Access Roadway Grade	ongoing	✓	FRN	I-j		✓	FRN	I-k										✓	C	I-n													
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	
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	
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-m		✓	C	I-n		✓	C	I-o		✓	C	I-p		✓	C	I-q	
114	M - 4.3.1	38	Permanent/Temporary Ditches	ongoing	✓	C	I-j										✓	C	I-m		✓	C	I-n		✓	C	I-o		✓	C	I-p		✓	C	I-q	
115	M - 4.3.1	39	Drainage Protection	ongoing																	✓	C	I-n		✓	C	I-o		✓	C	I-p		✓	C	I-q	
116	M - 4.3.1	40	SWRCB Permit Coverage	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	
117	M - 4.3.1	41	Surface Water Collection System	ongoing																																
118	M - 4.3.1	42	Surface Water Quality Monitoring	ongoing																																
119	M - 4.3.1	43	Sediment Basin Maintenance	ongoing																																
120	M - 4.3.1	44	Final Landfill Cover	ongoing																																
121	M - 4.3.1	45	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	

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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	
123	M - 4.3.2	49	Interception of Groundwater Seepage	ongoing																																
124	M - 4.3.2	50	LCRS/Leachate Monitoring	ongoing																																
125	M - 4.3.2	51	LCRS Monitoring	ongoing																																
126																																				
127	Biologist																																			
128																																				
129																																				
130	M - 4.1.1	6	Slope Erosion Control	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-m		✓	FRN	I-n		✓	FRN	I-o		✓	FRN	I-p		✓	FRN	I-q	
131	M - 4.2.11	23	Revegetation/Excavation	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	
132	M - 4.2.12		Temporary Vegetation Cover	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	
133	M - 4.4.1	60	Coastal Sage Scrub Mitigation Plan	ongoing	✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-m		✓	C	I-n		✓	C	I-o									
134	M - 4.4.1	61	Coastal Sage Scrub Seeding	ongoing																																
135	M - 4.4.1	62	Mariposa Lily Mitigation Plan	ongoing	/				/				/				/				/				/				/				/			
136	M - 4.4.1	63	San Diego Horned Lizard Mitigation	ongoing	/				/				/				/				/				/				/				/			
137	M - 4.4.1	64	California Gnatcatcher Surveys	ongoing	/				/				/				/				/				/				/				/			
138	M - 4.4.1	65	Least Bell's Vireo Surveys	ongoing	/				/				/				/				/				/				/				/			
139	M - 4.4.1	66	Western Burrowing Owl Surveys	ongoing	/				/				/				/				/				/				/				/			
140	M - 4.4.1	67	Migratory Bird Treaty Act	ongoing	/				/				/				/				/				/				/				/			
141	M - 4.4.1	68	Raptor Nests Habitat	ongoing	/				/				/				/				/				/				/				/			
142	M - 4.4.3	72	Native Tree Mitigation	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
143	M - 4.4.3	73	Nonnative Tree Mitigation	status	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
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	
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	
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	
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	
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	

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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	
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	
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																	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
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																																
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	
159	M - 4.9.2	102	Storage of Vector-Attracting Items	ongoing																	✓	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	
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	
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	
169	M - 4.2.11	20	Dust Lofting Minimization	ongoing																																
170	M - 4.2.11	21	Wind Speed Monitoring	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
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	
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	
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	
174	M - 4.2.12	25	Refuse Trucks-Maintenance	ongoing																																
175	M - 4.2.12		Refuse Trucks-Engine	ongoing																																

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176	M - 4.2.12		Refuse Trucks-Fee Schedule	ongoing																																
177	M - 4.2.12		Refuse Trucks-Fee Schedule Delivery Time	ongoing																																
178	M - 4.2.12		Refuse Trucks-Idling	ongoing																																
179	M - 4.2.12		Refuse Trucks-Emissions	ongoing																																
180	M - 4.2.12	26	Truck Travel and Fugitive Dust Emissions	ongoing																																
181	M - 4.2.12		Truck Travel and Fugitive Dust Emissions	ongoing																																
182	M - 4.2.12		Truck Travel and Fugitive Dust Emissions	ongoing																																
183	M - 4.2.12		Truck Travel and Fugitive Dust Emissions	ongoing																																
184	M - 4.5.2	83	Landfill Hours	info	/				/				/				/				/				/				/				/			
185	M - 4.5.2	84	Landfill Equipment-Noise Reduction	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
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	
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	
193	M - 4.9.1	90	Refuse Inspection Program	ongoing	✓	C	NONE																													
194	M - 4.9.1	91	Hazardous Waste Load-Checking	status	✓	C	NONE																													
195	M - 4.9.1	93	Hazardous Waste Detection Training	status	✓	C	NONE																													
196	M - 4.9.1	94	Spill Response Program	status	✓	FRN	I-j																		✓	FRN	I-o		✓	C	I-p		✓	FRN	I-q	
197	M - 4.9.4	115	Safety Inspections/Checklists	ongoing	✓	C	NONE																													
198	M - 4.9.4	118	Accident/Injury reports, Inspections	status	✓	C	NONE																													
199	M - 4.9.4	121	Fire Prevention Plan	ongoing	✓	FRN	I-j														✓	FRN	I-n													
200	M - 4.9.4	123	Personal Protective Equipment	ongoing	✓	C	NONE																													
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	
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	

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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	
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	
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	
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	
212																																				
213	Paleontologist																																			
214																																				
215																																				
216	M - 4.19.2	187	Paleontological Resources Resurvey	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
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	
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	
219	M - 4.19.2	190	Paleontological Resources Recovery	ongoing																																
220	M - 4.19.2	191	Paleontological Resources Inspection	ongoing	✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-m		✓	C	I-n		✓	C	I-o		✓	C	I-p		✓	C	I-q	

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

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34	Alternative Fuel Vehicles - 77.G	77.G	Alternative Fuel Vehicles-Clean Fuel Demo Program	status																																
35	Alternative Fuel Vehicles - 77.H	77.H	Alternative Fuel Vehicles-Compliance Evaluation	status																																
36	Air Quality Monitoring - 81	81	Air Quality Monitoring-Testing	ongoing	↓				↓				↓				↓				↓				↓				↓				↓			
37			Air Quality Monitoring-Testing																																	
38	IMP - Part I.A	IMP1	Air Quality Monitoring-Testing	ongoing	↓				↓				↓				↓				↓				↓				↓				↓			
39			Air Quality Monitoring-Testing																																	
40	IMP - Part VI	IMP6	Air Quality Monitoring-Testing	ongoing	↓				↓				↓				↓				↓				↓				↓				↓			
41																																				
42	MMRS-12/01/06		Mitigation Monitoring and Reporting Summary	info	↓				↓				↓				↓				↓				↓				↓				↓			
43			Permits																																	
44	Geology - 1.15		Permittee's On-site Solid Waste Recovery and Recycling Program	status	↓				↓				↓				↓				↓				↓				↓				↓			
45	Surface Water - 2.09		SWRCB Permit Coverage	ongoing	↓				↓				↓				↓				↓				↓				↓				↓			
46	Surface Water - 2.15		Surface Water Preventive Maintenance Program	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-m		✓	FRN	I-n		✓	FRN	I-o		✓	FRN	I-p		✓	FRN	I-q	
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	
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	
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	
53	BIOTA – 4.47		Cleaning of Equipment	ongoing																	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
54	BIOTA – 4.48		Monitoring of Vector-Attracting Items	ongoing																	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
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	
56	BIOTA – 4.50		Vector Activity Monitoring	ongoing	✓	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		✓	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	
59	Air Quality - 6.05		Operations in Accordance with SCAQMD/DOPW Requirements	info	↓				↓				↓				↓				↓				↓				↓				↓			
60	Air Quality - 6.06		Landfill Gas Control/Extraction System/Monitoring	ongoing	↓				↓				↓				↓				↓				↓				↓				↓			
61	Air Quality - 6.07		Flaring Systems	info	↓				↓				↓				↓				↓				↓				↓				↓			
62	Air Quality - 6.08		Management of Truck Arrivals	ongoing																																
63	Air Quality - 6.10		Refuse Truck Mitigation	status																																
64	Air Quality - 6.11		Light Duty Alternative Fuel Vehicles	status	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
65	Air Quality - 6.11		Alternative Fuel Refuse Collection/Transfer Trucks	status																																
66	Air Quality - 6.11		Alternative Fuel Vehicle Report Submission	status																																

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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	
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	
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	
76	Odor/Landfill Gas – 7.06		Odor Control Measures	ongoing	✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-m		✓	FRN	I-n		✓	FRN	I-o		✓	FRN	I-p		✓	FRN	I-q	
77	Odor/Landfill Gas – 7.07		Gas Recovery and Sale	status	✓	FRN	I-j														✓	C	I-n		✓	C	I-o						✓	C	I-q	
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	
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	
88	Visual – 10.11		Solid Waste Load Procedures-Improperly Covered/Contained	ongoing																	✓	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	
90	Visual – 10.11		Litter Control-Fencing	ongoing																	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
91	Visual – 10.11		Periodic Litter Pickup	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
92	Visual – 10.11		Litter Control-Additional Measures	ongoing																									✓	FRN	I-p					
93	Visual – 10.12		Discharge Control/Litter Recovery	status																																
94	Water Conserv. - 11.01		Water Conservation	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
95	Recycling - 14.01		On-site Waste Diversion/Recycling	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
96	Recycling - 14.03		Tonnage Disposal Determination	info	/				/				/				/				/				/				/				/			
97	Recycling - 14.04		Recycling-Various Tasks	info	/				/				/				/				/				/				/				/			
98			Clean Dirt Procedures																																	

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99	Site - 15.11		Reclaimed Water Utilization	status	/				/				/				/				/				/				/				/			
100	Site - 15.12		Water Conservation Measures	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
101	Admin Rpts/Pgms - 17.4		Operation Compliance	info	/				/				/				/				/				/				/				/			
102	Admin Rpts/Pgms -17.10		Fill Sequencing Plans	status																																
103	Admin Rpts/Pgms-17.15		Quarterly Newsletter	status																																
104	Landfill Operation - 18.7		Graffiti Removal/Deterrent Plan	ongoing	✓	C	NONE		✓	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	
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		✓	FRN	I-k										✓	C	I-n		✓	C	I-o		✓	C	I-p		✓	C	I-q	
135	Geology - 1.09		Outer Perimeter Ridgeline Requirements	info																																
136	Geology - 1.12		Soil Stabilization	ongoing																																
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	
138	Geology - 1.18		Alluvium-Removal/Replacement	ongoing																																
139	Geology - 1.19		Landfill Design/Construction	ongoing																																
140	Geology - 1.20		Landfill Design/Construction-Foundations	ongoing																																
141	Surface Water - 2.03		Surface Drainage Control Facilities	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	I-q	
142	Surface Water - 2.05		Underdrain Requirements	ongoing																																
143	Surface Water - 2.06		Final Cover for Surface Water Runoff Control	ongoing																																
144	Groundwater - 3.02		Liner System Requirements	ongoing																																
145	Groundwater - 3.04		Onsite Inspector for Liner Installation	ongoing																																
146	Groundwater - 3.09		Alluvium Removal	ongoing																																
147	Visual – 10.01		Landfill Elevations	ongoing																	✓	FRN	I-n		✓	FRN	I-o		✓	FRN	I-p		✓	FRN	I-q	
148	Visual – 10.02		Final Fill Elevations	ongoing																	✓	FRN	I-n		✓	FRN	I-o		✓	FRN	I-p		✓	FRN	I-q	
149																																				

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150	Hydrologist																																			
151																																				
152																																				
153	Grading & Drainage - 38	38	Installation of Drainage Structures	ongoing																																
154																																				
155	Geology - 1.17		Landfill Design/Construction-Seismic	ongoing																																
156	Surface Water - 2.01		Surface Water Runoff Interception	ongoing																																
157	Surface Water - 2.02		Surface Water Runoff Collection	ongoing																																
158	Surface Water - 2.03		Surface Drainage Control-Maintenance	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-m		✓	FRN	I-n		✓	FRN	I-o		✓	FRN	I-p		✓	C	I-q	
159	Surface Water - 2-04		Sedimentation Basin Capabilities	ongoing																																
160	Surface Water - 2.05		Underdrain Placement	ongoing																																
161	Surface Water - 2.07		Drainage Control System Design Approval	ongoing																																
162	Surface Water - 2.08		Surface Water Runoff-Drainage System	ongoing																																
163	Surface Water - 2.10		Surface Water Collection System-Monitoring	ongoing																																
164	Surface Water - 2.11		Surface Water Quality-Collection/Monitoring	ongoing																																
165	Surface Water - 2.12		Permanent/Temporary Drainage Facilities	ongoing	✓	C	I-j										✓	C	I-m														✓	C	I-q	
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	
168	Groundwater - 3.03		Interception of Groundwater Seepage	ongoing																																
169	Groundwater - 3.06		Monitoring Wells	ongoing																																
170																																				
171	Biologist																																			
172																																				
173																																				
174	Revegetation - 44	44	Revegetation/Cover Requirements	ongoing																																
175	Revegetation - 44.A	44.A	Temporary Hydroseed Vegetation	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-m		✓	FRN	I-n		✓	FRN	I-o		✓	FRN	I-p		✓	FRN	I-q	
176	Revegetation - 44.B	44.B	Interim Reclamation/Revegetation Plan-Sold Waste	ongoing																																
177	Revegetation - 44.D	44.D	Final Fill Slope Requirements	ongoing																																
178	Revegetation - 44.E	44.E		ongoing																																
179																																				
180	Geology - 1.13		Drainage Plan Approval	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-m		✓	FRN	I-n		✓	FRN	I-o		✓	FRN	I-p		✓	FRN	I-q	
181	Geology - 1.14		Personnel Retention for Monitoring Soil Erosion	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	
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	

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184	BIOTA – 4.11		Oak Tree Mitigation Plan	ongoing	✓	C	NONE		✓	C	NONE		✓	C	I-l		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	I-p		✓	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	
186	BIOTA – 4.20		Poultry Wire Screen	ongoing	✓	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	
188	BIOTA – 4.27		Coastal Sage Scrub Mitigation Plan	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-m		✓	FRN	I-n		✓	FRN	I-o									
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	
191	BIOTA – 4.30		California Gnatcatcher Surveys	ongoing	✓	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	
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	
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	
195	BIOTA – 4.34		Raptor Nests Habitat	ongoing	✓	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	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-m		✓	FRN	I-n		✓	FRN	I-o		✓	FRN	I-p		✓	FRN	I-q	
202	BIOTA – 4.43		Replacement Riparian Habitat	status													✓	FRN	I-m						✓	FRN	I-o									
203	Air Quality - 6.02		Dust Control	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-m		✓	FRN	I-n		✓	FRN	I-o		✓	FRN	I-p		✓	FRN	I-q	
204	Visual – 10.06		Upper Ridge Planting/Revegetation	ongoing																																
205	Visual – 10.07		Tree Planting Around Perimeter	ongoing																																
206	Visual – 10.08		Cover/Revegetation Requirements	ongoing	✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-m		✓	FRN	I-n		✓	FRN	I-o		✓	FRN	I-p		✓	FRN	I-q	
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	
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	
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	
211	Visual – 10.09		Final Cover Composition Requirements	ongoing																																
212	Visual – 10.10		Buffer Zone Maintenance	ongoing																																
213	Water Conservation - 11.02		Plant Species	ongoing																																
214	Fire Service - 12.01		Brush Clearance Measures	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
215																																				
216	Air Quality & Noise Specialist																																			

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217																																				
218																																				
219	Fugitive Dust - 45.F	45.F	Fugitive Dust Monitoring	ongoing																																
220	Fugitive Dust - 45.I	45.I	Paved Roads-Cleaning	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
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	
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	
227	Air Quality – 6.01		Erosion Control-Daily Cover	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	FRN	I-p		✓	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	
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	
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	
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	
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	
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	
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	
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	
244	Admin Rpts/ Pgms-17.16		Air Quality Monitoring-Corrective Action Plan	ongoing	/				/				/				/				/				/				/				/			
245																																				
246																																				
247	Hydrology, Hazardous Waste / Risk of Upset																																			
248																																				
249																																				

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250	IMP - Part IV.E	IMP4	Load Inspection-Random Manual	ongoing																	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
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	
254	Fire Service - 12.02		On-site Fire Response Capabilities-Operating Equipment	ongoing																	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
255	Fire Service - 12.03		On-site Fire Response Capabilities-Roads/Water	ongoing																	✓	FRN	I-n													
256	Fire Service - 12.04		On-site Fuel Storage Tanks-Permit Issuance	ongoing																	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
257	Fire Service - 12.05		Building Limits	ongoing																	✓	C	NONE													
258	Fire Service - 12.06		Methane Gas Monitoring-On-site Structures	ongoing																	✓	C	NONE													
259	Hazardous Materials – 13.02		Waste Load Checking Program	ongoing																	✓	C	NONE													
260	Hazardous Materials – 13.05		Hazardous Waste Disposal	ongoing																	✓	C	NONE													
261	Hazardous Materials – 13.10		Hazardous Waste-Procedures	ongoing																	✓	C	NONE													
262	Hazardous Materials – 13.11		Spill Response Program	ongoing	✓	FRN	I-j														✓	C	NONE		✓	FRN	I-o		✓	C	I-p		✓	FRN	I-q	
263	Safety - 16.02		Injury and Illness Prevention Program	status																	✓	C	NONE													
264	Safety - 16.03		Working Conditions-Monitoring	status																	✓	C	NONE													
265	Safety - 16.04		Inspection Checklist-Work Area Exposure	status																	✓	C	NONE													
266	Safety - 16.07		Accident/Injury Reports	status																	✓	C	NONE													
267	Safety - 16.08		First-aid Kits	ongoing																	✓	C	NONE													
268	Safety - 16.10		Lockout/Blackout Procedures	status																	✓	C	NONE													
269	Safety - 16.11		Personal Protective Equipment	status																	✓	C	NONE													
270	Landfill Operation - 18.8		Prohibited Waste Procedures	ongoing																	✓	C	NONE													
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	I-o		✓	C	I-p		✓	C	I-q	
276	IMP - Part VII.B	IMP7	Archaeological/Paleontological Report Submis	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
277	Archaeological – 5.01		Archaeological Resurvey	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
278	Archaeological – 5.02		Onsite Archaeologist	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
279	Archaeological – 5.03		Onsite Paleontologist	ongoing																																
280	Archaeological – 5.04		Archaeological/Paleontological Identification Instruction	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
281	Archaeological – 5.05		Archaeological Resource Curation	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
282																																				

*** 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 County Mitigation Monitoring Summary
(10-01-2015 through 12-31-2015)

Line #	Reference #	Mitigation #	County Mitigation Measures and Conditions Monitored by Discipline	Monitoring Frequency	Third Quarter																Fourth Quarter																
					7/22/2015	Status*	Further Review Needed/Comments**	Resolved*	8/11/2015	Status*	Further Review Needed/Comments**	Resolved*	8/26/2015	Status*	Further Review Needed/Comments**	Resolved*	9/23/2015	Status*	Further Review Needed/Comments**	Resolved*	10/14/2015	Status*	Further Review Needed/Comments**	Resolved*	10/28/2015	Status*	Further Review Needed/Comments**	Resolved*	11/16/2015	Status*	Further Review Needed/Comments**	Resolved*	12/9/2015	Status*	Further Review Needed/Comments**	Resolved*
283	Paleontologist																																			
284																																				
285																																				
286	Ecological Significance - 62	62	Archaeological/Paleontological -Material Identification/Conservation	ongoing	✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-m		✓	C	I-n		✓	C	I-o		✓	C	I-p		✓	C	I-q	
287	IMP - Part VII.B	IMP7	Archaeological/Paleontological-Report Submission	ongoing																																

*** C = Compliant, NC = Non-Compliant, FRN = Further Review Needed, R = Resolved**
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Checkmark = Condition or mitigation was monitored
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Appendix I
Further Review Needed-Comments/ I-n through I-q
Fourth Quarter 2015 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-n: The liner was being placed in the Cell CC-3B area and on the lower slopes of the old City North landfill. Activities observed included liner installation of geosynthetic material on side slopes and excavation of anchor trenches. Quality control (CQA) monitoring was ongoing as evidenced by markings on the geosynthetic material. Liner on slopes was observed to meet design approved by the Reginal Water Quality Control Board (RWQCB) and consists of, from bottom to top of prepared soil foundation, high-density polyethylene (HDPE) geomembrane, geosynthetic clay liner (GCL) and HDPE geomembrane. In the area where the liner overlies the inactive landfill, a geocomposite material to act as a gas collection layer was installed in accordance with County Condition Groundwater 3.13. Additionally, grading was occurring south of Basin A, removing the hill where the old offices were located. I-o: Cell CC-3B was nearing liner completion with clay being placed on top of the liner. Grading continued south of Basin A. I-p: Work on Cell CC-3B stopped for the day that the monitor was onsite because of high wind conditions. The cell construction was still in progress, however. I-q: Cell CC-3B was having final liner cover being placed on top of the lined area. Construction of temporary stormwater basins and HDPE-lined drainage ditches were being constructed. Grading continued south of Basin A.
		Geology - 1.07	County DPW EPD/County LEA	I-n, I-o, I-p, and I-q: See Q – B.2.c above.
		Geology - 1.11	County DPW EPD/County LEA	I-n, I-o, I-p, and I-q: See Q – B.2.c above.
	Q - B.2.d		City Planning	I-o: The Department of City Planning prepared a Recommendation Report for the Phase III (10-year Phase Review). This report was presented and acted upon at the October 22, 2015 City Planning Commission hearing. A copy of the Recommendation Report is included in Appendix 5 of this Quarterly Report.
	Q - C.10.c		City Planning	I-n: The gas-to-energy plant was operating under partial load due to scheduled maintenance. Sunshine Gas Producers had just completed their annual turnaround to perform the yearly maintenance, cleaning and replacement of equipment. At the time of monitoring, the facility was operating at 50% production of electricity. I-o: The gas-to-energy plant was operating at full load. Power generation was up approximately 10% over full production with the cooler weather, with a gas flow of 8246 SCFM. I-q: The gas-to-energy plant was operating at full load. Power generation was up approximately 10% over full production with the cooler weather, with a gas flow of 8200 SCFM.
		Odor/Landfill Gas - 7.07	County Planning/SCAQMD SCL-LEA	I-n, I-o, and I-q: See Q - C.10.c above.
		Gas - 52	County DPW EPD/SCL-LEA County Forester Fire Warden	I-n, I-o, and I-q: See Q - C.10.c above.
		Fire Service - 12.03	County DPW EPD/SCL-LEA County Forester Fire Warden	I-n: See T-4 below.

Discipline	City Condition Reference # / Mitigation #	County Condition Reference #/ Mitigation #	Responsible Agency	Further Review Needed-Comments
Project Manager	T-4		City Planning, City Fire Department	I-n: It was observed that a secondary access road from City Deck C to the oil field and Sesnon Boulevard had not been graded or surfaced with rock. Passenger vehicles may not be able to use this road in its current condition, with deep ruts in a dirt road. Also, many facilities on site were being relocated. At the completion of this construction, a fire plot plan showing the new locations of offices, maintenance facilities, water tanks, fire hydrants and roadways should be prepared and provided to the City Fire Department and City and County Planning. Emergency egress should be posted for site employees and customers.
	M - 4.1.1 / 7	Re-abandonment Procedures	City Planning/SCAQMD SCL-LEA	I-n, I-o, I-p, and I-q: As previously noted in the third quarterly Report, two old oil well casings were observed in the area north of the new offices. These well casings had not been lowered or reabandoned in the fourth quarter.
	M - 4.2.12 / 28		City Planning/SCAQMD SCL-LEA	I-n, I-o, I-p, and I-q: During the fourth quarter monitoring, the germination of hydroseeding on interim and inactive slopes had greened due to rain events. Most noticeable was the jute-netted slope area with seed incorporated in it used on the cut slopes above the realigned access road near the entrance. Alternatives to hydroseeding on interim and inactive slopes for slope stability and dust control were being used. Plastic and jute were being used on the south-facing slopes of Cell CC-3A. A performance test was still being done by the landfill on these two slope stability options. No hydroseeding was done in the fourth quarter due to drought conditions followed by heavy rainstorms. The operator stated that during heavy rains, hydroseeding would be washed away. Also in the fourth quarter, the monitor observed that erosion control was accomplished by jute and plastic netting on select slope areas. The majority of erosion control was being done by straw wattles on slopes, with temporary HDPE-lined down-comers and bench V-ditches. Not all areas of the City slopes had wattles or HDPE-lined water conveyance systems in place. These areas could have major erosion during El Niño rain events. The rainstorms in the fourth quarter did not have major slope erosion in these areas. I-p: In mid-November, the monitors observed high winds exceeding 25 MPH that caused the landfill to stop operations. Blowing dust was occurring on the inactive areas: County top deck and slopes, City top deck and slopes, old City landfill slopes and the deck near the new water tank. Use of soil sealant should be investigated for these areas. The use of water from trucks had minimal effectiveness when the high winds were blowing.

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-n: The monitor drove the adjacent neighborhood at approximately 6:45 a.m., and detected working face odors at Sesnon Boulevard east of Orozco Street. When driving on the landfill access road, gas odors were detected north of Cell CC-3B on the north edge of the road. The waste slope facing south near the tipping top deck had freshly disposed waste and was very odoriferous. This waste was not being covered with soil until adequate waste was placed to build the slope. The tipping top deck was small and concentrated at the side slope. A vapor emitting Dust Boss was being used at this location. The use of a plastic-type material as alternative daily cover during the weekday operation started October 13. The plastic tarp was observed and appeared to be controlling any odors at approximately 8:00 a.m. No operational issues were observed. Monitors drove to the greenwaste processing facilities on Blucher Avenue north of the Odyssey Restaurant. The C&D Recycling Center and the North Hills Recycling Facility had strong greenwaste odors at their frontage, and greenwaste odors could be detected on the I-405 Freeway below these facilities. No odor was detected coming from the City Van Norman greenwaste facility. The monitors drove the adjacent neighborhood at approximately 9:00 a.m., and still detected a working face odor on Sesnon Boulevard north of Orozco Street. This odor was much less than at 6:45 a.m. The odor appeared to have come over the old City south berm and down canyon. I-o: The monitor drove the adjacent neighborhood and no odors were detected. On the way from the adjacent neighborhood to the landfill, odors from the working face were detected on Balboa Boulevard approximately two blocks west of the incline to San Fernando Road. When driving on the landfill access road, gas and working face odors were detected north of Cell CC-3B on the north edge of the road. The working face odor was strong on the haul road (south of the waste fill slope), but barely detected to the north on the top deck. Two Dust Boss misters were being used. Along the haul road there was a liquid breakout of leachate or condensate downhill from Well CHC-912. Republic was notified. The greenwaste facilities along Blucher Avenue were visited. Strong odors were detected at the C&D and North Hills locations.
				I-p: The monitor drove the adjacent neighborhood and there was one area on Sesnon Boulevard one block east of Orozco Street where a working face odor was detected. The C&D greenwaste facility on Blucher Avenue had strong greenwaste odors that were detected on Blucher Avenue and the 405 Freeway. The North Hills Recycling on Blucher Avenue also had strong greenwaste odors. There were approximately 30 trucks lined up waiting to dispose of greenwaste, with strong odors detected also coming from the trucks. A pile of wood chips approximately 20 feet high north of the C&D greenwaste facility was steaming due to composting. I-q: The monitor drove the adjacent neighborhood and detected a landfill odor on Constable Avenue. The odor source detected earlier at Constable Avenue near Canyon Ridge was still detected at 7:45 a.m., and had a "distinct" level of intensity. It was an operating face smell. The monitor measured wind speed at 9.1 MPH to the SSW, directly over the berm area. The monitors drove the rest of the neighborhood and no landfill odors could be detected at other locations. Constable Avenue was rechecked at 8:25 a.m., and still had landfill working face odors present. Additionally, a greenwaste odor was detected at Balboa Boulevard near the I-5 Freeway overpass. The monitors drove to the greenwaste processing facilities on Blucher Avenue. Strong greenwaste odors were detected coming from the C&D Recycling and North Hills Greenwaste facilities area. At the landfill, the monitors detected condensate odors at the sewer connection deep well pump. The covers to the deep well were not secure with the locking bolts, and the foam seal was broken.

Discipline	City Condition Reference # / Mitigation #	County Condition Reference #/ Mitigation #	Responsible Agency	Further Review Needed-Comments
Project Manager	M -4.2.13/ 29, 30, 32, 34		City Planning/SCL-LEA/SCAQMD	I-n through I-q: 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-n through I-q: See M-4.2.13/29, 30, 32, 33, and 34 above.
		Amendment 45.N - 5	County DPW-EPD	I-n through I-q:: See M-4.2.13/29, 30, 32, 33, and 34 above.
		Surface Water - 2.15	County DPW EPD/ LARWQCB, SCL- LEA	I-n: The monitors observed that the native hillside drainage channel south of the material storage area and Basin D has the discharge into Basin D blocked by soil placed to have an access road. The hillside water in the channel has no controlled outlet. This blockage should be removed. Basin A riser drain rock was plugged with sediment. Drainage into the outlet risers may be impeded. The drainage channel out of Basin A was partially blocked with soil. The main westside concrete drainage channel in one section has the floor continuing to lift and the sidewall cracks worsening. Also, the geomembrane liner on a section of the Basin D outlet channel needed to be fixed because the large membrane flap at entry to the channel needs to be affixed to the shotcrete so water will not flow under and affect the flow pattern in the channel. In addition, the membrane is not affixed to the side of the channel at the beginning of the lined portion, and there is a gap between the shotcrete and the membrane. Water will flow between the membrane and shotcrete and will eventually rip it, thereby voiding its role. Batten strips can be used to secure the membrane to the shotcrete. Tumbleweed should be removed from the channel. I-o: The monitors observed that the terminal basin was ready for fall and winter rains. K-rails were placed in the basin to help control any sediment. There was minor sediment from the prior rain events. The sidewalls of the terminal sedimentation basin had horizontal cracks with vegetation growing out of the cracks. Vegetation should be removed and the crack sealed.

Discipline	City Condition Reference # / Mitigation #	County Condition Reference #/ Mitigation #	Responsible Agency	Further Review Needed-Comments
Project Manager				The native canyons above the office facilities drain into two shallow dirt basins. Each basin has two 24-inch corrugated HDPE drain lines draining them onto a sloping deck that drains to the slope uphill from the offices. These drains could flood the offices with mud and water during a heavy rain. There is a hazard to the facilities. Basin A had approximately one foot of standing water that was not draining through the rock into the outlet risers. The drainage channel out of Basin A was blocked with soil with a 20-inch HDPE pipe being the only flow to the westside channel. The blocked native drainage channel south of the material storage area noted on the October 14 monitoring visit had the road and rock removed, and now drains into Basin D. The Basin D outlet channel has tumbleweed blocking a portion of the channel. Additional sandbags were placed on the leading edge of the channel's HDPE liner to prevent the liner from uplifting. Basin B was clean with minor water puddles. I-p: The monitors observed that the Basin A outlet channel was blocked with dirt and sand bags except for a 12-inch HDPE line. There was a temporary road crossing at this location. I-q: The monitors noted that the removal of the soil on the top of the retaining wall along San Fernando Road south of the entrance had not been scheduled. The wall had the top drainage channel blocked, and the soil and rock topped the wall's fence in some locations. Also, two oak trees above the retaining wall were losing soil around their roots, and if they slide it would impact San Fernando Road and the powerlines. An arborist should look at the condition of these trees. Basin A was clean and free of sediment. The westside concrete drainage channel had not been scheduled for repair. Portions of one section of the floor continue to lift and sidewall cracks were worsening. Basin D had grading done to build berms to direct stormwater flow into the northern outlet; before, flow would go to the westside channel. This basin was ready for winter storms. The Basin D outlet channel had sections of it blocked with tumbleweed. Basin B was clean and free of sediment and ready for winter storms.
		Odor/Landfill Gas - 7.06	County DPW-EPD/SCL-LEA/SCAQMD	I-n through I-q: See M-4.2.13/33 above.
Civil and Geotechnical Engineer	M - 4.4.2/69		City Planning	I-n through I-q: In the fourth quarter, no progress was made in finalizing an agreement between Republic and the City to use the Chatsworth Reservoir as a wetland mitigation site.
		Biota - 4.4.3	CDFW	I-n through I-q: See M - 4.4.2 / 69 above.
	M - 4.1.1 / 2		City Building and Safety City Planning	I-n through I-q: See M - 4.1.1 / 5 below.
	M - 4.1.1 / 4		City Planning/LARWQCB Cal Recycle	I-n through I-q: See M - 4.1.1 / 5 below.
	M - 4.1.1 / 5		City Planning/ LARWQCB Cal Recycle	I-n through I-q: During the fourth quarter monitoring period, the only grading activities were in the area south and east of Basin A. The hill that previously was the office and equipment maintenance center site was being excavated, with the excavated soil being used for daily cover. The area southeast of Basin A was not active. All excavation was being monitored by a paleontologist.
		Geology - 1.07	County DPW EPD/ County LEA	I-n through I-q: See M - 4.1.1 / 5 above.
	M - 4.1.5 / 12		City Planning/LARWQCB Cal Recycle	I-n through I-q: See M - 4.1.1 / 5 above.

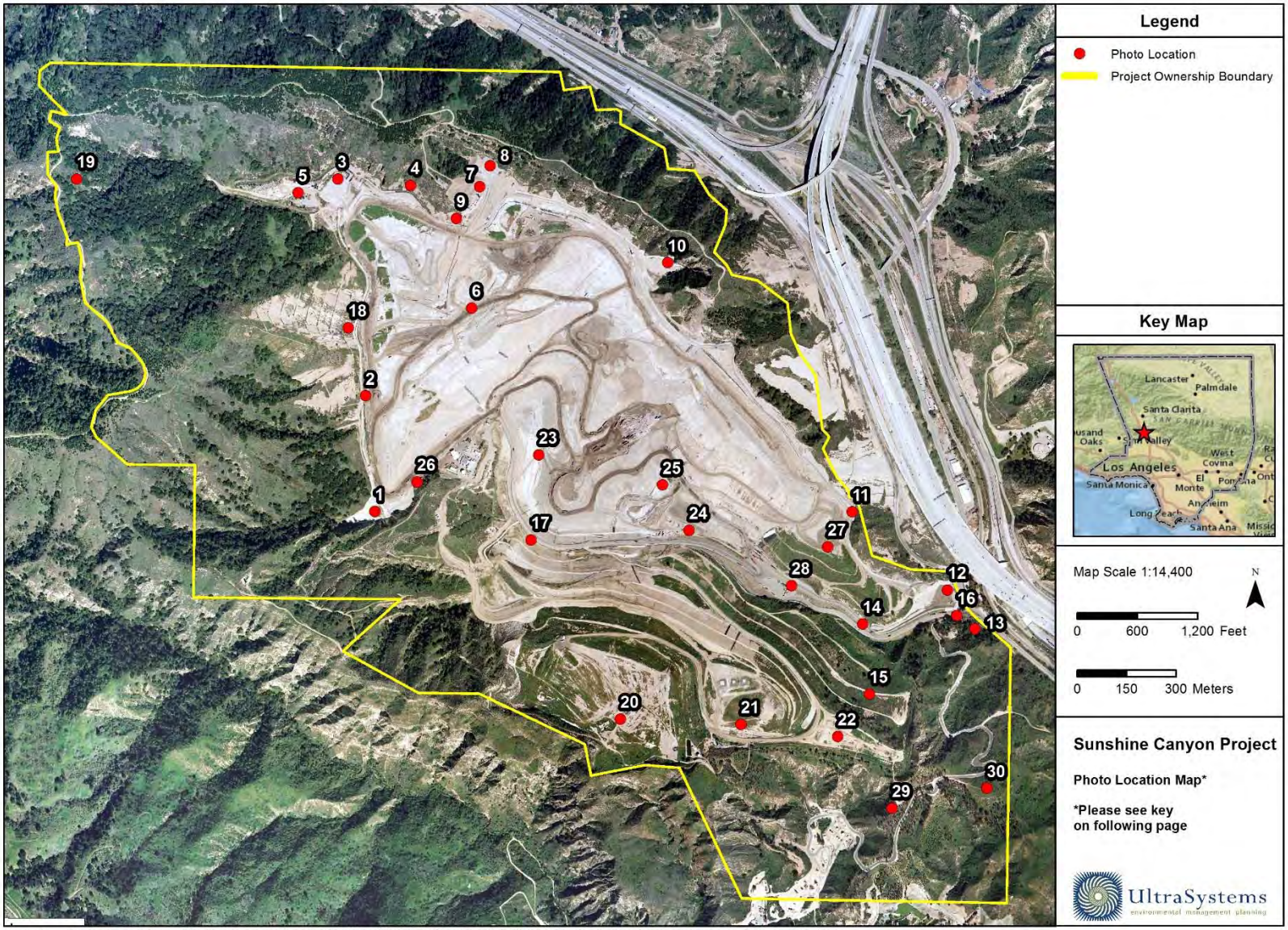
Discipline	City Condition Reference # / Mitigation #	County Condition Reference #/ Mitigation #	Responsible Agency	Further Review Needed-Comments
Civil and Geotechnical Engineer	M - 4.14.1 / 155		City Planning/Cal Recycle PW-BOE LADBS City LEA	I-n through I-q: Construction of the access road realignment was completed and had a grade less than 15%. Access roads are being maintained around the working area for emergency access.
	M - 4.18 / 178		City Planning/City LEA	I-n through I-q: A map showing areas that are at the final elevations and which should have final cover should be available for review. Documents showing current filled elevations should also be available onsite for review. These conditions were not monitored.
Hydrologist	M - 4.3.1/ 37, 38		City Planning/ LARWQCB CalRecycle SCL-LEA PW-BOE	I-n through I-q: 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. I-q: The monitors observed that temporary drainage controls were installed downstream of Cell CC-3B with their discharge into the terminal basin.
		Surface Water - 2.12	County DPW EPD/ LARWQCB SCL-LEA	I-n through I-q: See M - 4.3.1/ 37, 38 above.
	M - 4.3.1 / 39		City Planning/LARWQCB Cal Recycle	I-n through I-q: See M - 4.18 / 178 above.
	M - 4.3.1 / 40		City Planning/ LARWQCB CalRecycle SCL-LEA PW-BOE LADBS	I-n through I-q: See M - 4.3.1/45 below.
	M - 4.3.1 / 45		City Planning/ LARWQCB CalRecycle SCL-LEA PW-BOE LADBS	I-n through I-q: The erosion control plan should be available onsite for review. This plan should be a living document that keeps up with construction activities.
		Surface Water - 2.14	County DPW EPD/ LARWQCB County LEA	I-n through I-q: See M - 4.3.1/45 above.

Discipline	City Condition Reference # / Mitigation #	County Condition Reference #/ Mitigation #	Responsible Agency	Further Review Needed-Comments
Hydrologist	M - 4.3.1/ 46		City Planning/ LARWQCB CalRecycle PW-BOE	I-n: The monitors observed that the native hillside drainage channel south of the material storage area and Basin D has the discharge into Basin D blocked by soil placed to have an access road. The hillside water in the channel has no controlled outlet. This blockage should be removed. Basin A riser drain rock was plugged with sediment. Drainage into the outlet risers may be impeded. The drainage channel out of Basin A was partially blocked with soil. The main westside concrete drainage channel in one section has the floor continuing to lift and the sidewall cracks worsening. Also, the geomembrane liner on a section of the Basin D outlet channel needed to be fixed because the large membrane flap at entry to the channel needs to be affixed to the shotcrete so water will not flow under and affect the flow pattern in the channel. In addition, the membrane is not affixed to the side of the channel at the beginning of the lined portion, and there is a gap between the shotcrete and the membrane. Water will flow between the membrane and shotcrete and will eventually rip it, thereby voiding its role. Batten strips can be used to secure the membrane to the shotcrete. Tumbleweed should be removed from the channel. I-o: The monitors observed that the terminal basin was ready for fall and winter rains. K-rails were placed in the basin to help control any sediment. There was minor sediment from the prior rain events. The sidewalls of the terminal sedimentation basin had horizontal cracks with vegetation growing out of the cracks. Vegetation should be removed and the crack sealed. The native canyons above the office facilities drain into two shallow dirt basins. Each basin has two 24-inch corrugated HDPE drain lines draining them onto a sloping deck that drains to the slope uphill from the offices. These drains could flood the offices with mud and water during a heavy rain. There is a hazard to the facilities. Basin A had approximately one foot of standing water that was not draining through the rock into the outlet risers. The drainage channel out of Basin A was blocked with soil with a 20-inch HDPE pipe being the only flow to the westside channel. The blocked native drainage channel south of the material storage area noted on the October 14 monitoring visit had the road and rock removed, and now drains into Basin D. The Basin D outlet channel has tumbleweed blocking a portion of the channel. Additional sandbags were placed on the leading edge of the channel's HDPE liner to prevent the liner from uplifting. Basin B was clean with minor water puddles. I-p: The monitors observed that the Basin A outlet channel was blocked with dirt and sand bags except for a 12-inch HDPE line. There was a temporary road crossing at this location. I-q: The monitors noted that the removal of the soil on the top of the retaining wall along San Fernando Road south of the entrance had not been scheduled. The wall had the top drainage channel blocked, and the soil and rock topped the wall's fence in some locations. Also, two oak trees above the retaining wall were losing soil around their roots, and if they slide it would impact San Fernando Road and the powerlines. An arborist should look at the condition of these trees. Basin A was clean and free of sediment. The westside concrete drainage channel had not been scheduled for repair. Portions of one section of the floor continue to lift and sidewall cracks were worsening. Basin D had grading done to build berms to direct stormwater flow into the northern outlet; before, flow would go to the westside channel. This basin was ready for winter storms. The Basin D outlet channel had sections of it blocked with tumbleweed. Basin B was clean and free of sediment and ready for winter storms.
		Surface Water - 2.15	LARWQCB / County DPW EPD	I-n through I-q: See M - 4.3.1/ 46 above.

Discipline	City Condition Reference # / Mitigation #	County Condition Reference #/ Mitigation #	Responsible Agency	Further Review Needed-Comments
Biologist	M - 4.1.1 / 6		City Planning/ LARWQCB CalRecycle SCL-LEA LADBS	I-n, I-o, I-p, and I-q: During the fourth quarter monitoring, the germination of hydroseeding on interim and inactive slopes had greened due to rain events. Most noticeable was the jute-netted slope area with seed incorporated in it used on the cut slopes above the realigned access road near the entrance. Alternatives to hydroseeding on interim and inactive slopes for slope stability and dust control were being used. Plastic and jute were being used on the south-facing slopes of Cell CC-3A. A performance test was still being done by the landfill on these two slope stability options. No hydroseeding was done in the fourth quarter due to drought conditions followed by heavy rainstorms. The operator stated that during heavy rains, hydroseeding would be washed away. Also in the fourth quarter, the monitor also observed that erosion control was accomplished by jute and plastic netting on select slope areas. The majority of erosion control was being done by straw wattles on slopes, with temporary HDPE-lined down-comers and bench V-ditches. Not all areas of the City slopes had wattles or HDPE-lined water conveyance systems in place. These areas could have major erosion during El Niño rain events. The rainstorms in the fourth quarter did not have major slope erosion in these areas. I-p: In mid-November, the monitors observed high winds exceeding 25 MPH that caused the landfill to stop operations. Blowing dust was occurring on the inactive areas: County top deck and slopes, City top deck and slopes, old City landfill slopes and the deck near the new water tank. Use of soil sealant should be investigated for these areas. The use of water from trucks had minimal effectiveness when the high winds were blowing.
		Geology - 1.14	LARWQCB/ County Forester	I-n, I-o, I-p, and I-q: See M - 4.1.1 / 6 above.
	M - 4.2.11 / 23		City Planning	I-n, I-o, I-p, and I-q: See M - 4.1.1 / 6 above.
		Geology - 1.13	County DPW EPD/ County Forester LARWQCB	I-n, I-o, I-p, and I-q: See M - 4.1.1 / 6 above.
	M - 4.2.12		SCL-LEA/ City Planning	I-n, I-o, I-p, and I-q: See M - 4.1.1 / 6 above.
		Revegetation - 44.A	SCL-LEA/ County DPW EPD Regional Planning County Biologist	I-n, I-o, I-p, and I-q: See M - 4.1.1 / 6 above.
		Revegetation - 44.F	SCL-LEA/ County DPW EPD Regional Planning County Biologist	I-n, I-o, I-p, and I-q: See M - 4.1.1 / 6 above.
		Biota - 4.42	SCL-LEA	I-n, I-o, I-p, and I-q: See M - 4.1.1 / 6 above.
		Air Quality - 6.02	SCAQMD/ SCL-LEA	I-n, I-o, I-p, and I-q: See M - 4.1.1 / 6 above.
		Visual - 10.08	County Forester	I-n, I-o, I-p, and I-q: See M - 4.1.1 / 6 above.
	M - 4.4.1 / 60		City Planning	I-n: The monitors observed that the City Deck C sage mitigation was doing well. Removal of unwanted plants and thinning out of the salt bush was going to be scheduled. The oak mitigation trees on the City Deck C berm were doing well. The understory trees could be planted in over half of the berm. City Deck A and B had no sage mitigation or invasive plant removal activity. I-o: The monitors observed that the City Deck C sage mitigation had greened. Saltbush thinning and invasive plant removal was being performed by the contractor. There was no sage mitigation activity on City Decks A or B, or in the County sage mitigation area.

Discipline	City Condition Reference # / Mitigation #	County Condition Reference #/ Mitigation #	Responsible Agency	Further Review Needed-Comments
Biologist		Biota - 4.27	County LEA/CDFW	In and I-o: See M - 4.4.1 / 60 above.
Hydrology, Hazardous Waste / Risk of Upset	M - 4.9.1 / 94		City Planning/LARWQCB Cal Recycle City LEA	I-o: The monitors observed that there was a broken-down bulldozer next to Basin A that had leaked a substantial amount of oil onto the soil. I-p: It was observed that the equipment which caused the oil spill near Basin A had been moved and the oil-soaked soils had been removed. I-q: The monitors observed oil and other liquids in the dirt in a drainage ditch on the south side of the leachate treatment facility site.
	M - 4.9.4 / 121		City Planning/Cal Recycle Cal OSHA LAFD City LEA	I-n: It was observed that a secondary access road from City Deck C to the oil field and Sesnon Boulevard had not been graded nor surfaced with rock. Passenger vehicles may not be able to use this road in its current condition, with deep ruts in a dirt road. Also, many facilities on site were being relocated. At the completion of this construction, a fire plot plan showing the new locations of offices, maintenance facilities, water tanks, fire hydrants and roadways should be prepared and provided to the City Fire Department and City and County Planning. Emergency egress should be posted for site employees and customers.
	M-4.9.4/125		City Planning/ CalRecycle Cal OSHA SCL-LEA	I-n through I-q: Throughout the fourth quarter, the south perimeter oil field gate was observed to be locked.
Paleontologist	M-4.19.2/191		City Planning	I-n through I-q: During the fourth quarter, a paleontological consultant was on site monitoring the excavation west and south of the offices in the City and County jurisdictions. No recoverable resources were encountered; only minor non-recoverable fragments. A paleontological consultant was monitoring the site grading near Basin A. Paleontological reports are on file and are available in Republic's offices.
		Ecological Significance 62	County Planning	I-n through I-q: See M-4.19.2/191 above.

Appendix II
Relevant Site Photos



Service Layer Credits: National Geographic, Esri, DeLorme, NAVTEQ, UNEP-WCMC, USGS, NASA, ESA, METI, NRCAN, GEBCO, NOAA, iPC, Los Angeles County, 2010; Republic, 2013; UltraSystems Environmental, Inc., 2014-2015

Photo Location Map Key

Map Location	Title	Photo Number
1.	Basin A Area	1–41
2.	Westside Drainage Channel	42–53
3.	Basin D Area	66–86
4.	Basin D North Drainage	87–102
5.	Materials Storage Area	59–65
6.	County Top Deck	108–132
7.	Flares 8–10	103–107
8.	Gas-to-Energy Facility	–
9.	Flares 8–10 Adjacent Hillsides	–
10.	Basin B Area	133–149
11.	Eastside Drainage Channel	–
12.	Terminal Basin	150–182
13.	Sewer and Gray Water Area	234–235
14.	Existing Access Road	–
15.	Realigned Access Road	223–233
16.	Leachate Treatment Facility	236–237, 266–275
17.	Truck Scale and Office Facilities Area	240
18.	County Sage Mitigation Area	54–58
19.	Big Cone Fir Mitigation	–
20.	City Sage Mitigation – Deck A	300–325
21.	City Sage Mitigation – Deck B	296–299
22.	City Sage Mitigation – Deck C	276–295
23.	Cell CC3A Area	239–265
24.	Cell CC3B Area	183–222
25.	Site Working Area	389-467
26.	Site Grading Northwest of Office	32–36
27.	Old City North	–
28.	Condensate Treatment Facility	–
29.	PM-10 Mitigation Planting	–
30.	Oak Tree Mitigation in Buffer Area	–
31.	General Site Area	468–555

Photo 1: Basin A: October 14, 2015

Photo 2: Basin A: October 14, 2015

Photo 3: Basin A: October 14, 2015

Photo 4: Basin A: October 14, 2015

Photo 5: Basin A Outlet: October 14, 2015

Photo 6: Basin A Native Hillside: October 14, 2015

Photo 7: Basin A Native Hillside: October 14, 2015

Photo 8: Basin A Native Hillside: October 14, 2015

Photo 9: Basin A: October 28, 2015

Photo 10: Basin A: October 28, 2015

Photo 11: Basin A: October 28, 2015

Photo 12: Basin A: October 28, 2015

Photo 13: Basin A: October 28, 2015

Photo 14: Basin A: October 28, 2015

Photo 15: Basin A: October 28, 2015

Photo 16: Basin A: October 28, 2015

Photo 17: Basin A Outlet: October 28, 2015

Photo 18: Basin A Native Hillside: October 28, 2015

Photo 19: Basin A Native Hillside: October 28, 2015

Photo 20: Basin A Native Hillside: October 28, 2015

Photo 21: Basin A: November 16, 2015

Photo 22: Basin A: November 16, 2015

Photo 23: Basin A Outlet: November 16, 2015

Photo 24: Basin A Outlet: November 16, 2015

Photo 25: Basin A: December 9, 2015

Photo 26: Basin A: December 9, 2015

Photo 27: Basin A Native Hillside: December 9, 2015

Photo 28: Basin A Drainage Channel: December 9, 2015

Photo 29: Basin A Drainage Channel: December 9, 2015

Photo 30: Basin A Drainage Channel: December 9, 2015

Photo 31: Basin A Inlet: October 28, 2015

Photo 32: Site Grading South of Basin A: October 14, 2015

Photo 33: Site Grading South of Basin A: October 14, 2015

Photo 34: Site Grading South of Basin A: October 14, 2015

Photo 35: Site Grading South of Basin A: October 14, 2015

Photo 36: Site Grading South of Basin A: October 14, 2015

Photo 37: Equipment Leaking Oil Near Basin A: October 28, 2015

Photo 38: Equipment Leaking Oil Near Basin A: October 28, 2015

Photo 39: Equipment Leaking Oil Near Basin A: October 28, 2015

Photo 40: Equipment Leaking Oil Near Basin A: October 28, 2015

Photo 41: Equipment Leaking Oil Near Basin A: October 28, 2015

Photo 42: Westside Drainage Channel: October 14, 2015

Photo 43: Westside Drainage Channel: October 14, 2015

Photo 44: Westside Drainage Channel: October 14, 2015

Photo 45: Westside Drainage Channel: October 14, 2015

Photo 46: Westside Drainage Channel: October 14, 2015

Photo 47: Westside Drainage Channel: October 14, 2015

Photo 48: Westside Drainage Channel: November 16, 2015

Photo 49: Westside Drainage Channel: November 16, 2015

Photo 50: Westside Drainage Channel: November 16, 2015

Photo 51: Westside Drainage Channel: December 9, 2015

Photo 52: Westside Drainage Channel: December 9, 2015

Photo 53: Westside Drainage Channel: December 9, 2015

Photo 54: County Sage Area: December 9, 2015

Photo 55: County Sage Area: December 9, 2015

Photo 56: County Sage Mitigation Area: October 28, 2015

Photo 57: County Sage Mitigation Area: October 28, 2015

Photo 58: County Sage Mitigation Area: October 28, 2015

Photo 59: Condensate Equipment in Storage Yard: October 14, 2015

Photo 60: Condensate Equipment in Storage Yard: October 14, 2015

Photo 61: Condensate Equipment in Storage Yard: October 28, 2015

Photo 62: Condensate Equipment in Storage Yard: October 28, 2015

Photo 63: Condensate Equipment in Storage Yard: November 11, 2015

Photo 64: Condensate Equipment in Storage Yard: November 11, 2015

Photo 65: Condensate Equipment in Storage Yard: November 11, 2015

Photo 66: Native Hillside Drainage into Basin D: October 14, 2015

Photo 67: Native Hillside Drainage into Basin D: October 14, 2015

Photo 68: Native Hillside Drainage into Basin D: October 14, 2015

Photo 69: Native Hillside Drainage into Basin D: October 14, 2015

Photo 70: Native Hillside Drainage into Basin D: October 14, 2015

Photo 71: Native Hillside Drainage into Basin D: October 14, 2015

Photo 72: Native Hillside Drainage into Basin D: October 28, 2015

Photo 73: Native Hillside Drainage into Basin D: October 28, 2015

Photo 74: Native Hillside Drainage into Basin D: October 28, 2015

Photo 75: Native Hillside Drainage into Basin D: October 28, 2015

Photo 76: Native Hillside Drainage into Basin D: October 28, 2015

Photo 77: Native Hillside Drainage into Basin D: October 28, 2015

Photo 78: Native Hillside Drainage into Basin D: October 28, 2015

Photo 79: Native Hillside Drainage into Basin D: October 28, 2015

Photo 80: Native Hillside Drainage into Basin D: November 16, 2015

Photo 81: Native Hillside Drainage into Basin D: November 16, 2015

Photo 82: Native Hillside Drainage into Basin D: November 16, 2015

Photo 83: Basin D: December 9, 2015

Photo 84: Basin D: December 9, 2015

Photo 85: Basin D: December 9, 2015

Photo 86: Basin D: December 9, 2015

Photo 87: Basin D Outlet Channel: October 14, 2015

Photo 88: Basin D Outlet Channel: October 14, 2015

Photo 89: Basin D Outlet Channel: October 14, 2015

Photo 90: Basin D Outlet Channel: October 14, 2015

Photo 91: Basin D Outlet Channel: October 14, 2015

Photo 92: Basin D Outlet Channel: October 28, 2015

Photo 93: Basin D Outlet Channel: October 28, 2015

Photo 94: Basin D Outlet Channel: October 28, 2015

Photo 95: Basin D Outlet Channel: November 16, 2015

Photo 96: Basin D Outlet Channel: November 16, 2015

Photo 97: Basin D Outlet Channel: November 16, 2015

Photo 98: Basin D Outlet Channel: December 9, 2015

Photo 99: Basin D Outlet Channel: December 9, 2015

Photo 100: Basin D Outlet Channel: December 9, 2015

Photo 101: Basin D Outlet Channel: December 9, 2015

Photo 102: Basin D Outlet Channel: December 9, 2015

Photo 103: New Flare 9 Air Blower Filter October 14, 2015

Photo 104: Old Flare 10 Air Blower Filter: October 14, 2015

Photo 105: Flare 9 and 10: December 9, 2015

Photo 106: Flare 9: December 9, 2015

Photo 107: Flare 10: December 9, 2015

Photo 108: County Top Deck: October 14, 2015

Photo 109: County Top Deck: October 14, 2015

Photo 110: County Top Deck: October 14, 2015

Photo 111: County Top Deck: October 14, 2015

Photo 112: County Top Deck: October 14, 2015

Photo 113: County Top Deck: October 14, 2015

Photo 114: County Top Deck: October 14, 2015

Photo 115: County Top Deck: October 28, 2015

Photo 116: County Top Deck: October 28, 2015

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Photo 123: County Top Deck: October 28, 2015

Photo 124: County Top Deck: October 28, 2015

Photo 125: County Top Deck: October 28, 2015

Photo 126: County Top Deck: October 28, 2015

Photo 127: County Top Deck: October 28, 2015

Photo 128: County Top Deck: October 28, 2015

Photo 129: County Top Deck: December 9, 2015

Photo 130: County Top Deck: December 9, 2015

Photo 131: County Top Deck: December 9, 2015

Photo 132: County Top Deck: December 9, 2015

Photo 133: Basin B: October 28, 2015

Photo 134: Basin B: October 28, 2015

Photo 135: Basin B: October 28, 2015

Photo 136: Basin B: October 28, 2015

Photo 137: Basin B Native Hillside: October 28, 2015

Photo 138: Basin B Native Hillside: October 28, 2015

Photo 139: Basin B Native Hillside: October 28, 2015

Photo 140: Basin B Native Hillside: October 28, 2015

Photo 141: Basin B: November 16, 2015

Photo 142: Basin B: November 16, 2015

Photo 143: Basin B: November 16, 2015

Photo 144: Basin B Native Hillside: November 16, 2015

Photo 145: Basin B Native Hillside: November 16, 2015

Photo 146: Basin B Native Hillside: November 16, 2015

Photo 147: Basin B Native Hillside: November 16, 2015

Photo 148: Basin B: December 9, 2015

Photo 149: Basin B: December 9, 2015

Photo 150: Terminal Basin: October 28, 2015

Photo 151: Terminal Basin: October 28, 2015

Photo 152: Terminal Basin Inlet: October 28, 2015

Photo 153: Terminal Basin Inlet: October 28, 2015

Photo 154: Terminal Basin: October 28, 2015

Photo 155: Terminal Basin: October 28, 2015

Photo 156: Terminal Basin: October 28, 2015

Photo 157: Terminal Basin: October 28, 2015

Photo 158: Terminal Basin: October 28, 2015

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Photo 160: Terminal Basin: October 28, 2015

Photo 161: Terminal Basin: October 28, 2015

Photo 162: Terminal Basin: October 28, 2015

Photo 163: Terminal Basin: October 28, 2015

Photo 164: Terminal Basin: October 28, 2015

Photo 165: Terminal Basin: October 28, 2015

Photo 166: Terminal Basin Exterior Wall: October 28, 2015

Photo 167: Terminal Basin Exterior Wall: October 28, 2015

Photo 168: Terminal Basin Exterior Wall: October 28, 2015

Photo 169: Terminal Basin Exterior Wall: October 28, 2015

Photo 170: Terminal Basin Exterior Wall: October 28, 2015

Photo 171: Terminal Basin Area: November 16, 2015

Photo 172: Terminal Basin Area: November 16, 2015

Photo 173: Terminal Basin Area: November 16, 2015

Photo 174: Terminal Basin Area: November 16, 2015

Photo 175: Terminal Basin Area: November 16, 2015

Photo 176: Terminal Basin: November 16, 2015

Photo 177: Terminal Basin: November 16, 2015

Photo 178: Terminal Basin: November 16, 2015

Photo 179: Terminal Basin: November 16, 2015

Photo 180: Terminal Basin: November 16, 2015

Photo 181: Terminal Basin: November 16, 2015

Photo 182: Terminal Basin: December 9, 2015

Photo 183: City Cell CC3B Construction: October 14 2015

Photo 184: City Cell CC3B Construction: October 14 2015

Photo 185: City Cell CC3B Construction: October 14 2015

Photo 186: City Cell CC3B Construction: October 14 2015

Photo 187: City Cell CC3B Construction: October 14 2015

Photo 188: City Cell CC3B Construction: October 14 2015

Photo 189: City Cell CC3B Construction: October 14 2015

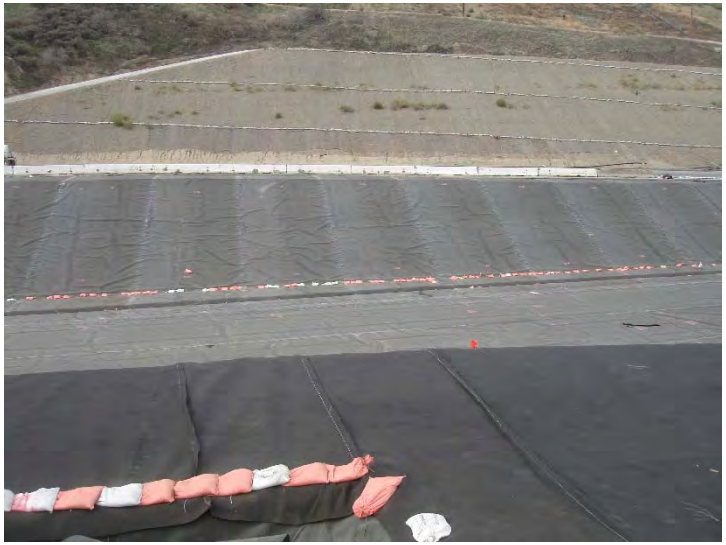

Photo 190: City Cell CC3B Construction: October 14 2015

Photo 191: City Cell CC3B Construction: October 14 2015

Photo 192: City Cell CC3B Construction: October 14 2015

Photo 193: City Cell CC3B Construction: October 14 2015

Photo 194: City Cell CC3B Construction: October 14 2015

Photo 195: City Cell CC3B Construction: October 14 2015

Photo 196: City Cell CC3B Construction: October 14 2015

Photo 197: City Cell CC3B Construction: October 14 2015

Photo 198: City Cell CC3B Construction: October 14 2015

Photo 199: City Cell CC3B Construction: October 14 2015

Photo 200: City Cell CC3B Construction: October 14 2015

Photo 201: City Cell CC3B Construction: October 14 2015

Photo 202: City Cell CC3B Construction: October 14 2015

Photo 203: City Cell CC3B Construction: October 14 2015

Photo 204: City Cell CC3B Construction: October 14 2015

Photo 205: City Cell CC3B Construction: October 14 2015

Photo 206: City Cell CC3B Construction: October 14 2015

Photo 207: City Cell CC3B Construction: October 14 2015

Photo 208: City Cell CC3B Construction: October 28, 2015

Photo 209: City Cell CC3B Construction: October 28, 2015

Photo 210: City Cell CC3B Construction: October 28, 2015

Photo 211: City Cell CC3B Construction: October 28, 2015

Photo 212: City Cell CC3B Construction: October 28, 2015

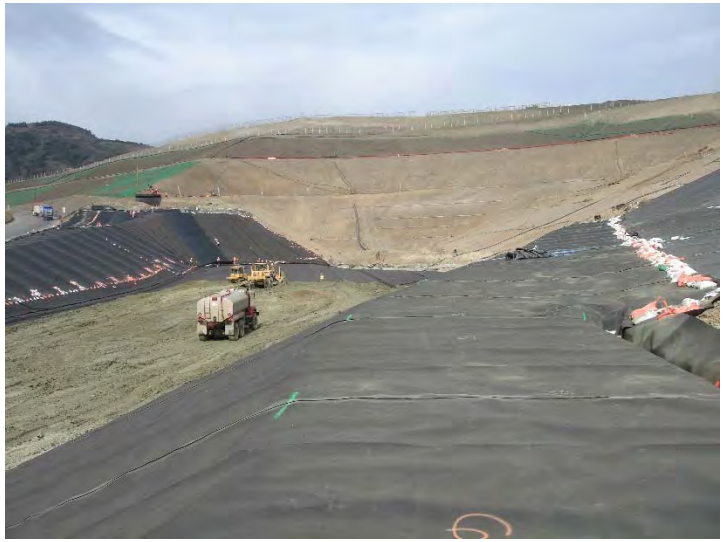

Photo 213: City Cell CC3B Construction: October 28, 2015

Photo 214: City Cell CC3B Construction: October 28, 2015

Photo 215: City Cell CC3B Construction: October 28, 2015

Photo 216: City Cell CC3B Construction: October 28, 2015

Photo 217: City Cell CC3B Construction: October 28, 2015

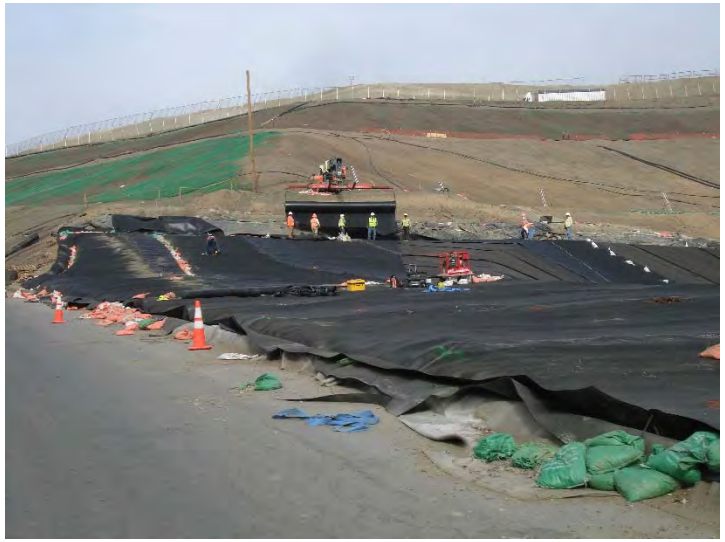

Photo 218: City Cell CC3B Construction: October 28, 2015

Photo 219: City Cell CC3B Construction: October 28, 2015

Photo 220: City Cell CC3B Construction: October 28, 2015

Photo 221 City Cell CC3B Construction: October 28, 2015

Photo 222: City Cell CC3B Construction: October 28, 2015

Photo 223: Main Access Road Slope: October 28, 2015

Photo 224: Main Access Road Slope: October 28, 2015

Photo 225: Main Access Road Slope: October 28, 2015

Photo 226: Main Access Road Slope: October 28, 2015

Photo 227: Main Access Road Slope: October 28, 2015

Photo 228: Main Access Road Slope: October 28, 2015

Photo 229: Main Access Road Slope: October 28, 2015

Photo 230: Main Access Road Slope: October 28, 2015

Photo 231: Main Access Road Slope: October 28, 2015

Photo 232: Main Access Road Slope: October 28, 2015

Photo 233: Main Access Road Slope: October 28, 2015

Photo 234: Water Pipe Leak at Treatment Plant: December 9, 2015

Photo 235: Sewer Lift Station Odor Source: December 9, 2015

Photo 236: Oil Dumped at Leachate Facility: December 9, 2015

Photo 237: Drain Clogged at Leachate Facility: December 9, 2015

Photo 238: Oil Field Road Gate Locked: December 9, 2015

Photo 239: City Lined Drainage Lift Area: October 14, 2015

Photo 240: City Lined Drainage Lift Area: October 14, 2015

Photo 241: City Lined Drainage Lift Area: October 14, 2015

Photo 242: City Lined Drainage Lift Area: October 28, 2015

Photo 243: City Lined Drainage Lift Area: October 28, 2015

Photo 244: City Lined Drainage Lift Area: October 28, 2015

Photo 245: City Lined Drainage Lift Area: October 28, 2015

Photo 246: City Slope Erosion Control: October 14, 2015

Photo 247: City Slope Erosion Control: October 14, 2015

Photo 248: City Slope Erosion Control: October 14, 2015

Photo 249: City Slope Erosion Control: October 14, 2015

Photo 250: City Slope Erosion Control: October 14, 2015

Photo 251: City Slope Erosion Control: October 14, 2015

Photo 252: City Slope Erosion Control: October 14, 2015

Photo 253: City Slope Erosion Control: October 14, 2015

Photo 254: City Slope Erosion Control: October 28, 2015

Photo 255: City Slope Erosion Control: October 28, 2015

Photo 256: City Slope Erosion Control: October 28, 2015

Photo 257: City Slope Erosion Control: October 28, 2015

Photo 258: City Slope Erosion Control: October 28, 2015

Photo 259: City Slope Erosion Control: October 28, 2015

Photo 260: City Slope Erosion Control: October 28, 2015

Photo 261: City Slope Erosion Control: October 28, 2015

Photo 262: City Slope Erosion Control: October 28, 2015

Photo 263: City Slope Erosion Control: October 28, 2015

Photo 264: City Slope Erosion Control: October 28, 2015

Photo 265: City Slope Erosion Control: October 28, 2015

Photo 266: Native Slope Drainage to Bench Above Offices: October 28, 2015

Photo 267: Native Slope Drainage to Bench Above Offices: October 28, 2015

Photo 268: Native Slope Drainage to Bench Above Offices: October 28, 2015

Photo 269: Native Slope Drainage to Bench Above Offices: October 28, 2015

Photo 270: Native Slope Drainage to Bench Above Offices: October 28, 2015

Photo 271: City Slope Erosion Control: December 9, 2015

Photo 272: City Slope Erosion Control: December 9, 2015

Photo 273: Edison Westside Ridge New Pole Foundation: October 28, 2015

Photo 274: Edison Westside Ridge New Pole: November 16, 2015

Photo 275: Edison Westside Ridge New Pole

Photo 276: City Sage Mitigation Deck C: October 14, 2015

Photo 277: City Sage Mitigation Deck C: October 14, 2015

Photo 278: City Sage Mitigation Deck C: October 14, 2015

Photo 279: City Sage Mitigation Deck C: October 14, 2015

Photo 280: City Sage Mitigation Deck C: October 14, 2015

Photo 281: City Sage Mitigation Deck C: October 14, 2015

Photo 282: City Sage Mitigation Deck C: October 14, 2015

Photo 283: City Sage Mitigation Deck C: October 14, 2015

Photo 284: City Sage Mitigation Deck C: October 14, 2015

Photo 285: City Sage Mitigation Deck C: October 14, 2015

Photo 286: City Sage Mitigation Deck C: October 14, 2015

Photo 287: City Sage Mitigation Deck C: October 28, 2015

Photo 288: City Sage Mitigation Deck C: October 28, 2015

Photo 289: City Sage Mitigation Deck C: October 28, 2015

Photo 290: City Sage Mitigation Deck C: October 28, 2015

Photo 291: City Sage Mitigation Deck C: October 28, 2015

Photo 292: City Sage Mitigation Deck C: October 28, 2015

Photo 293: City Sage Mitigation Deck C: October 28, 2015

Photo 294: City Sage Mitigation Deck C: October 28, 2015

Photo 295: City Sage Mitigation Deck C: October 28, 2015

Photo 296: City Deck B: October 14, 2015

Photo 297: City Sage Mitigation Deck B: October 14, 2015

Photo 298: City Sage Mitigation Deck B: October 28, 2015

Photo 299: City Sage Mitigation Deck B: October 28, 2015

Photo 300: New City South Water Tank Deck A: October 14, 2015

Photo 301: New City South Water Tank Deck A: October 14, 2015

Photo 302: New City South Water Tank Deck A: October 14, 2015

Photo 303: New City South Water Tank Deck A: October 14, 2015

Photo 304: New City South Water Tank Deck A: October 14, 2015

Photo 305: New City South Water Tank Deck A: October 14, 2015

Photo 306: New City South Water Tank Deck A: October 14, 2015

Photo 307: New City South Water Tank Deck A: October 14, 2015

Photo 308: New City South Water Tank Deck A: October 14, 2015

Photo 309: New City South Water Tank Deck A: October 14, 2015

Photo 310: New City South Water Tank Deck A: October 14, 2015

Photo 311: City Sage Mitigation Deck A: October 28, 2015

Photo 312: New City South Water Tank Deck A: October 28, 2015

Photo 313: New City South Water Tank Deck A: October 28, 2015

Photo 314: City Sage Mitigation Deck A: October 28, 2015

Photo 315: City Sage Mitigation Deck A: October 28, 2015

Photo 316: New City South Water Tank Deck A: October 28, 2015

Photo 317: New City South Water Tank Deck A: October 28, 2015

Photo 318: New City South Water Tank Deck A: October 28, 2015

Photo 319: New City South Water Tank Deck A: October 28, 2015

Photo 320: New City South Water Tank Deck A: October 28, 2015

Photo 321: New City South Water Tank Area Deck A: November 16, 2015

Photo 322: New City South Water Tank Area Deck A: November 16, 2015

Photo 323: New City South Water Tank Area Deck A: November 16, 2015

Photo 324: New City South Water Tank Area Deck A: November 16, 2015

Photo 325: New City South Water Tank Area Deck A: November 16, 2015

Photo 326: Frontage Wall on San Fernando Road: October 28, 2015

Photo 327: Frontage Wall on San Fernando Road: October 28, 2015

Photo 328: Frontage Wall on San Fernando Road: October 28, 2015

Photo 329: Gas Company Meter station on San Fernando Road: October 28, 2015

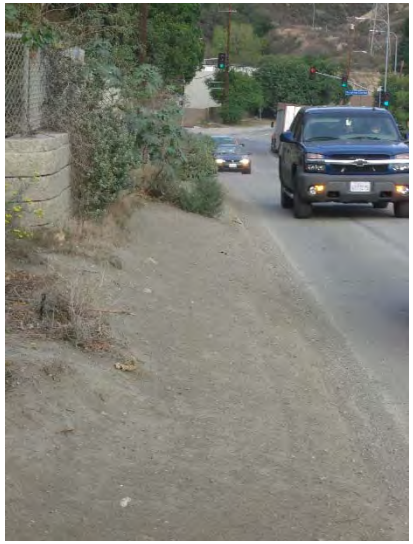

Photo 330: Frontage Retaining Wall on San Fernando Road: October 28, 2015

Photo 331: Frontage Retaining Wall on San Fernando Road: October 28, 2015

Photo 332: Frontage Retaining Wall on San Fernando Road: October 28, 2015

Photo 333: Frontage Retaining Wall on San Fernando Road: October 28, 2015

Photo 334: Frontage Retaining Wall on San Fernando Road: October 28, 2015

Photo 335: Frontage Retaining Wall on San Fernando Road: October 28, 2015

Photo 336: Frontage Retaining Wall on San Fernando Road: October 28, 2015

Photo 337: Frontage Retaining Wall on San Fernando Road: October 28, 2015

Photo 338: Frontage Retaining Wall on San Fernando Road: October 28, 2015

Photo 339: Frontage Retaining Wall on San Fernando Road: October 28, 2015

Photo 340: Retaining Wall by Entrance: December 16, 2015

Photo 341: Retaining Wall by Entrance: December 16, 2015

Photo 342: Tree over Powerline: December 16, 2015

Photo 343: San Fernando Road Highway Near I-5 Overpass: October 28, 2015

Photo 344: San Fernando Road Highway Near I-5 Overpass: October 28, 2015

Photo 345: San Fernando Road Highway Near I-5 Overpass: October 28, 2015

Photo 346: San Fernando Road Highway Near I-5 Overpass: October 28, 2015

Photo 347: San Fernando Road Highway Near I-5 Overpass: October 28, 2015

Photo 348: San Fernando Road Highway Near I-5 Overpass: November 16, 2015

Photo 349: San Fernando Road Highway Near I-5 Overpass: November 16, 2015

Photo 350: San Fernando Road Highway Near I-5 Overpass: November 16, 2015

Photo 351: San Fernando Road Highway Near I-5 Overpass: November 16, 2015

Photo 352: San Fernando Road Highway Near I-5 Overpass: November 16, 2015

Photo 353: San Fernando Road Highway Near I-5 Overpass: November 16, 2015

Photo 354: San Fernando Road Highway Near I-5 Overpass: November 16, 2015

Photo 355: San Fernando Road Highway Near I-5 Overpass: November 16, 2015

Photo 356: Illegal Dumping: December 9, 2015

Photo 357: Illegal Dumping: December 9, 2015

Photo 358: Illegal Dumping: December 9, 2015

Photo 359: Illegal Dumping: December 9, 2015

Photo 360: Sierra Highway Near I-14 Overpass: October 28, 2015

Photo 361: Sierra Highway Near I-14 Overpass: October 28, 2015

Photo 362: Sierra Highway Near I-14 Overpass: October 28, 2015

Photo 363: Sierra Highway Near I-14 Overpass: October 28, 2015

Photo 364: Sierra Highway Near I-14 Overpass: October 28, 2015

Photo 365: Sierra Highway Near I-14 Overpass: October 28, 2015

Photo 366: Sierra Highway Near I-14 Overpass: November 16, 2015

Photo 367: Sierra Highway Near I-14 Overpass: November 16, 2015

Photo 368: Sierra Highway Near I-14 Overpass: November 16, 2015

Photo 369: Greenwaste Odor Source: October 14, 2015

Photo 370: Greenwaste Odor Source: October 14, 2015

Photo 371: Greenwaste Odor Source: October 14, 2015

Photo 372: Greenwaste Odor Source: October 14, 2015

Photo 373: Greenwaste Odor Source: October 14, 2015

Photo 374: Greenwaste Odor Source: October 14, 2015

Photo 375: Operations Face Odor Source: October 14, 2015

Photo 376: Greenwaste Odor Source: October 28, 2015

Photo 377: Greenwaste Odor Source: October 28, 2015

Photo 378: Greenwaste Odor Source: October 28, 2015

Photo 379: Greenwaste Odor Source: October 28, 2015

Photo 380: Greenwaste Odor Source: October 28, 2015

Photo 381: Greenwaste Odor Source: November 16, 2015

Photo 382: Greenwaste Odor Source: November 16, 2015

Photo 383: Greenwaste Odor Source: November 16, 2015

Photo 384: Greenwaste Odor Source: November 16, 2015

Photo 385: Greenwaste Odor Source: November 16, 2015

Photo 386: Greenwaste Odor Source: December 9, 2015

Photo 387: Greenwaste Odor Source: December 9, 2015

Photo 388: Operations Face Odor Source: December 9, 2015

Photo 389: Site Working Area 7-8 am: October 14, 2015

Photo 390: Site Working Area 7-8 am: October 14, 2015

Photo 391: Site Working Area 7-8 am: October 14, 2015

Photo 392: Site Working Area 7-8 am: October 14, 2015

Photo 393: Site Working Area 7-8 am: October 14, 2015

Photo 394: Site Working Area 7-8 am: October 14, 2015

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Photo 396: Site Working Area 7-8 am: October 14, 2015

Photo 397: Site Working Area 7-8 am: October 14, 2015

Photo 398: Site Working Area 7-8 am: October 14, 2015

Photo 399: Site Working Area 7-8 am: October 14, 2015

Photo 400: Site Working Area 7-8 am: October 14, 2015

Photo 401: Site Working Area 7-8 am: October 14, 2015

Photo 402: Site Working Area 10-11 am: October 14, 2015

Photo 403: Site Working Area 10-11 am: October 14, 2015

Photo 404: Site Working Area 10-11 am: October 14, 2015

Photo 405: Site Working Area 10-11 am: October 14, 2015

Photo 406: Site Working Area 10-11 am: October 14, 2015

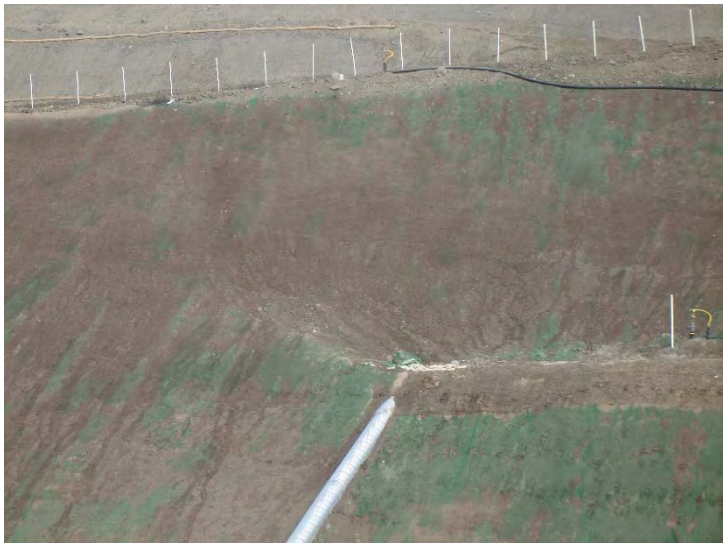

Photo 407: City Active Area: October 28, 2015

Photo 408: City Active Area: October 28, 2015

Photo 409: City Active Area: October 28, 2015

Photo 410: City Active Area: October 28, 2015

Photo 411: City Active Area: October 28, 2015

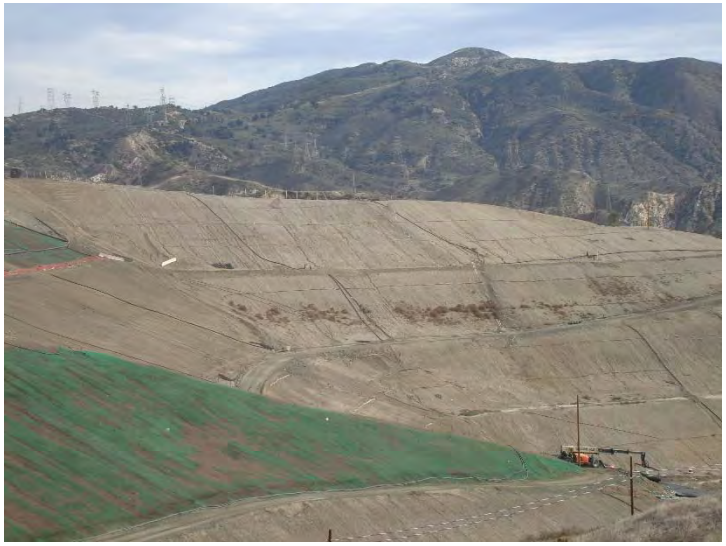

Photo 412: City Active Area: October 28, 2015

Photo 413: Site Working Area: October 28, 2015

Photo 414: Site Working Area: October 28, 2015

Photo 415: Site Working Area: October 28, 2015

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Photo 422: Site Working Area: October 28, 2015

Photo 423: Site Working Area: October 28, 2015

Photo 424: Site Working Area: October 28, 2015

Photo 425: Site Working Area: October 28, 2015

Photo 426: Site Working Area Slope Condensate Seep: October 28, 2015

Photo 427: Site Working Area Slope Condensate Seep: October 28, 2015

Photo 428: Site Working Area: October 28, 2015

Photo 429: Site Working Area: October 28, 2015

Photo 430: Site Working Area: October 28, 2015

Photo 431: Site Working Area: October 28, 2015

Photo 432: Site Working Area: October 28, 2015

Photo 433: Site Working Area: October 28, 2015

Photo 434: Site Working Area 11am-12pm: November 16, 2015

Photo 435: Site Working Area 11am-12pm: November 16, 2015

Photo 436: Site Working Area 11am-12pm: November 16, 2015

Photo 437: Site Working Area 11am-12pm: November 16, 2015

Photo 438: Site Working Area 11am-12pm: November 16, 2015

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Photo 458: Site Working Area 11am-12pm: November 16, 2015

Photo 459: Site Working Area 11am-12pm: November 16, 2015

Photo 460: Site Working Area 11am-12pm: November 16, 2015

Photo 461: Site Working Area 11am-12pm: November 16, 2015

Photo 462: Site Working Area 11am-12pm: November 16, 2015

Photo 463: Site Working Area 11am-12pm: November 16, 2015

Photo 464: Haul Road to Working Face: December 9, 2015

Photo 465: Haul Road to Working Face: December 9, 2015

Photo 466: Site Working Area: December 9, 2015

Photo 467: Site Working Area: December 9, 2015

Photo 468: Site: October 14, 2015

Photo 469: Site: October 14, 2015

Photo 470: Site: October 14, 2015

Photo 471: Site: October 14, 2015

Photo 472: Site: October 14, 2015

Photo 473: Site: October 14, 2015

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Photo 477: Site: October 14, 2015

Photo 478: Site: October 14, 2015

Photo 479: Site: October 28, 2015

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Photo 497: Site: October 28, 2015

Photo 498: Site: October 28, 2015

Photo 499: Site: October 28, 2015

Photo 500: Site: October 28, 2015

Photo 501: Site 8-9am: November 16, 2015

Photo 502: Site 8-9am: November 16, 2015

Photo 503: Site 8-9am: November 16, 2015

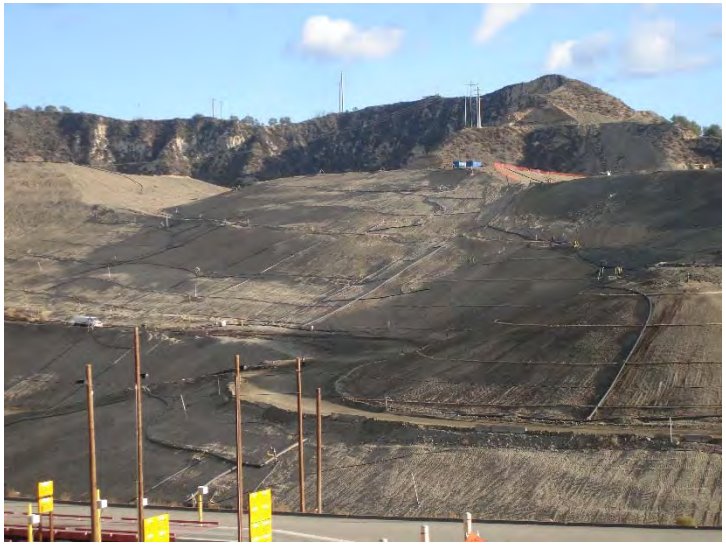

Photo 504: Site 8-9am: November 16, 2015

Photo 505: Site 8-9am: November 16, 2015

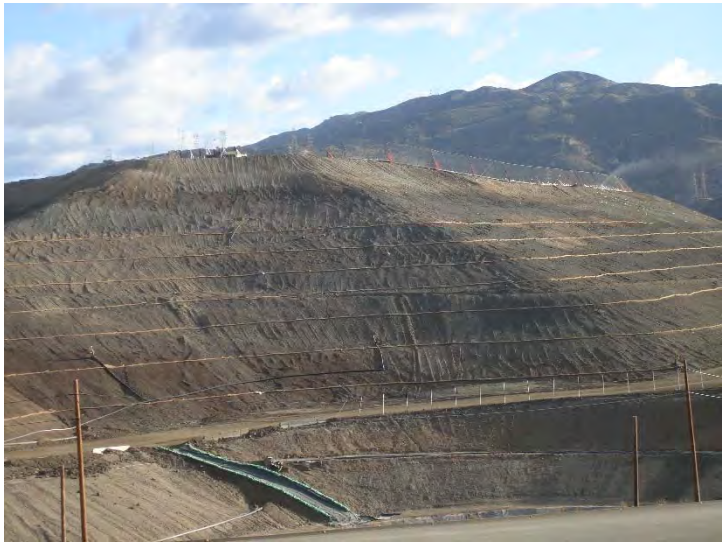

Photo 506: Site 8-9am: November 16, 2015

Photo 507: Site 8-9am: November 16, 2015

Photo 508: Site 8-9am: November 16, 2015

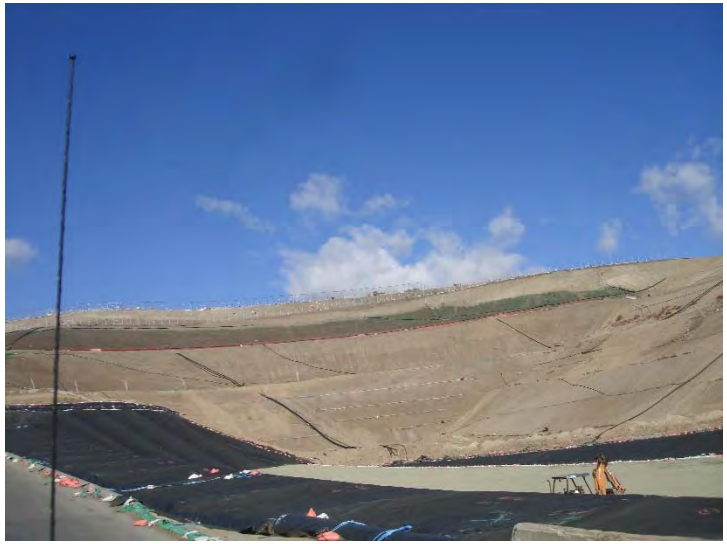

Photo 509: Site 10-11am: November 16, 2015

Photo 510: Site 10-11am: November 16, 2015

Photo 511: Site 10-11am: November 16, 2015

Photo 512: Site 10-11am: November 16, 2015

Photo 513: Site 10-11am: November 16, 2015

Photo 514: Site 10-11am: November 16, 2015

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Photo 521: Site 10-11am: November 16, 2015

Photo 522: Site 10-11am: November 16, 2015

Photo 523: Site 10-11am: November 16, 2015

Photo 524: Site 10-11am: November 16, 2015

Photo 525: Site 11am-12pm: November 16, 2015

Photo 526: Site 11am-12pm: November 16, 2015

Photo 527: Site 11am-12pm: November 16, 2015

Photo 528: Site 11am-12pm: November 16, 2015

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Photo 538: Site 11am-12pm: November 16, 2015

Photo 539: Site 11am-12pm: November 16, 2015

Photo 540: Site 12-2 pm: November 16, 2015

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Photo 550: Site 12-2 pm: November 16, 2015

Photo 551: Site 12-2 pm: November 16, 2015

Photo 552: Site 12-2 pm: November 16, 2015

Photo 553: Site: December 9, 2015

Photo 554: Site: December 9, 2015

Photo 555: Site: December 9, 2015

Appendix III

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

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

SLR Staff	**Fields of Expertise:**
Tarik Hadj-Hamou	Geology

October Site Visits

October 14, 2015:

James Aidukas (UltraSystems)

Mike Lindsay (UltraSystems)

Tarik Hadj-Hamou (SLR)

UltraSystems

SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT

Monitor: James Aidukas	Page: 1 of 2
Discipline: Project Manager	Date: 10/14/15
Site Conditions: Clear and sunny	

SITE LOG

Republic Site Manager - Rob Sherman

Drove the adjacent neighborhood prior to signing in at the office. At approximately 6:45 a.m., I detected working face odors at Sessnon east of Orozco. When driving on the landfill access road, gas odors were detected north of cell CC3B on the north edge of the road. Met with Tarik Hadj-Hamou and Mike Lindsay (UltraSystems) and signed in at the office. Observed the working face operations from the office site. The misters on top of the temporary fences were in operation.

The team then proceeded to monitor the site and the adjacent neighborhood and observed the following:

- The waste slope facing south near the tipping top deck was freshly disposed waste and was very odoriferous. This waste was not being covered with soil until adequate waste was placed to build the slope.
- The tipping top deck was small and concentrated at the side slope. A vapor emitting Dust Boss was being used at this location.
- The use of a plastic type material as alternative daily cover during the weekday operation started October 13th. The plastic tarp was observed and appeared to be controlling any odors. This was at approximately 8:00 a.m. No operational issues were observed.
- We drove to the greenwaste processing facilities on Lucher Avenue north of the Odyssey Restaurant. The C&D Recycling Center and the North Hills Recycling Facility had strong greenwaste odors at their frontage and greenwaste odors could be detected on the I-405 below these facilities.
- No odor was detected coming from the City Van Norman greenwaste facility.
- Drove the adjacent neighborhood at approximately 9:00 a.m., still detected a working face odor on Sessnon north of Orozco. This odor was much less than at 6:45 a.m. The odor appeared to have come over the old City south berm and down canyon.
- No landfill odors were detected at any other location in the adjacent neighborhood.
- The liner was being place in the CC-3B area and on the lower slopes of the old City North landfill.
- The oak mitigation trees on the Deck C berm were doing well. The understory trees could be planted in over half of the berm.
- Deck C sage mitigation was doing well. Removal of unwanted plants and thinning out of the salt bush should occur soon.
- Deck A and B had no sage mitigation or invasive plant removal activity.
- The new water area had fine powder type soil which should be treated with a soil sealant. The tank foundation was not backfilled with soil.
- The two old oil well pipes north west of the office facilities have not yet been lowered and re-abandoned.

Page 2 of 2, 10/14/15:

- Basin A riser drain rock was plugged with sediment. Drainage into the outlet risers may be impeded.
- The drainage channel out of Basin A was partially blocked with soil.
- The native hillsides in Basin A were clean and had no wind-blown litter.
- The main westside concrete drainage channel in one section has the floor continuing to lift and the sidewall cracks worsening.
- The native hillside drainage channel south of the material storage area and Basin D has the discharge into Basin D blocked by soil placed to have an access road. The hillside water in the channel has no controlled outlet. This blockage should be removed.
- Basin D drainage channel has portions of the channel blocked with tumbleweed. The channel has a HDPE liner with the leading edge only held down by sand bags. This liner may curl up under high water flows.

Flare Operating Conditions:

- Flare 1 - 1684˚F, 1758 SCFM, -54.88" H_2O vacuum, 88˚F inlet
- Flare 3 - shut down
- Flare 9 - 1677 ˚F, 4415 SCFM, -65" H_2O vacuum, one of the air intake filters for the air blower has been modified
- Flare 10 - 1647˚F, 4166 SCFM

The gas-to-energy plant was operating under partial load due to scheduled maintenance.

- 3755 SCFM, 45.9% methane, 2.02% O_2

FURTHER REVIEW NEEDED
COMMENTS
Signed:

UltraSystems

SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT

Monitor: Mike Lindsay	Page: 1 of 1
Discipline: Environmental Engineer	Date: 10-14-2015 Wednesday
Site Conditions: Partly cloudy, 66–90 °F, 0–5 mph, 86% RH	

SITE LOG

1. Met with Jim Aidukas, Tarik Hadj-Hamou (UltraSystems), and checked into office and with Ricky Dhupar (Republic).
2. Observed working face, including use of Alternative Daily Cover (ADC).
3. Detected moderate landfill odor along Sesnon Boulevard.
4. C&D Green Waste facility on Blucher Avenue was producing strong wood chip and green waste odors.
5. Observed liner material being installed along main haul road at Cell CC3-B.
6. Met with Larry Israel (SCAQMD) below City Deck B.
7. City Deck C sage mitigation area is growing well overall, with salt bush dominating the habitat and sage extending its growth.
8. Flare 1 is operating at 1727 scfm, 1683 °F. Gas sample measured at 37 % Vol. CH4, 1.6 % Vol. O2, 89 ppm H2S and 48 ppm CO. Inlet temperature is at 119 °F.
9. Water tank above observation deck has had inlet/ outlet piping installed.
10. Sediment Basin A has soil and pipes blocking the east drainage channel.
11. Sediment Basin A is clear with no wind-blown trash along slopes.
12. Westside Drainage has concrete cracks and uplifting at known locations.
13. Decommissioned condensate treatment storage tanks are odorous.
14. Sediment Basin D is in good order.
15. The Gas-to-Energy plant just finished a planned, annual full shut-down to replace parts and for inspection.
16. Flare 9 is operating at 4421 scfm, 1678 °F, with blowers 2, 3 and 4 active. Gas sample measured at 45 % Vol. CH4, 1.7 % Vol. O2, 75 ppm H2S and 499 ppm CO. Inlet temperature is at 152 °F.
17. Flare 10 is operating at 4120 scfm, 1647 °F.
18. Used a Trimble 2008 GeoXH GPS device (± 10 centimeter accuracy) to measure location spots at nine points at uplifting concrete along Westside Drainage.
19. Met with Patti Costa and Ricky Dhupar (Republic) to discuss site monitoring observations.

FURTHER REVIEW NEEDED

1. Clear soil and pipes from Sediment Basin A east drainage channel.
2. Repair concrete cracks and uplifting along Westside Drainage.
3. Keep condensate tanks from being odorous.

COMMENTS

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 2
Discipline: Civil – Geotechnical and Hydrology	Date: October 14, 2015
Site Conditions: Sunny	

SITE LOG

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

7:45 - 2:00 site tour
Observed the following areas: neighborhood for odor, construction area of Cell CC-3B, waste face, flares 1, 9, and 10, drainage systems, and overall landfill.
2:00 – 2:25 Close-out meeting with Republic staff

Cell CC3B

- Activities observed included liner installation of geosynthetics on side slope, excavation of anchor trench. CQA monitoring is ongoing as evidenced by markings on geosynthetics
- Liner on slopes was observed to meet design approved by RWQCB (Figure 4 in WDR) and consists of from bottom to top of prepared soil foundation, HDPE geomembrane, GCL, and HDPE geomembrane (Photo 1).
- In the area where the liner overlies the inactive landfill, a geocomposite to act as a gas collection layer was installed in accordance with County Condition Groundwater 3.13 (Photo 2)

Waste face

- No civil or geotechnical issues noted

Stability issues

- No major slope stability issues were noted during the site tour
- The vertical cut at toe of access road noted on September 23, 2015 has been backfilled

Flares

- No civil or geotechnical issues noted

Drainage system

- Basin A
  - The drainage channel out of basin is partially filled up with soil (Photo 3).
- Twin box culvert at access road: geomembrane liner on slope out of place on September 23, 2015 was put back in place and appears to be secured in place with sand bags (Photo 4). Upper corners need to be anchored
- Geomembrane liner on the section of drainage channel between basin D and the access road to the Flare 9 and 10 need to be fixed:
  - A large membrane flap at the entry to culvert needs to be fixed to the shotcrete – water will flow under and affect the flow pattern in the channel (Photo 5).
  - The membrane is not fixed to the side of the channel at the beginning of the lined portion and there is a gap between the shotcrete and the membrane (Photo 6). Water will flow between the membrane and concrete and will eventually rip it thereby voiding its role. Batten strips can be sued to secure the membrane to the shotcrete.
  - Brushes and weeds in channel should be removed

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• The southern side drainage channel in the canyon at Basin D/boneyard does not drain into the basin because of the dirt road built across it, unless culverts (which we did not or could not see) were installed under the road. (Photo 7)
FURTHER REVIEW NEEDED
COMMENTS
Signed: 

Photo 1: Liner system on slope

Photo 2: Geocomposite gas collection layer under liner

Figure 3: Channel out of Basin A Partially Blocked

Photo 4: Geomembrane at Box Culver on Access Road

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Photo 5: Geomembrane liner at entry to culvert near Flare 9-10 access road

Photo 6: Geomembrane liner at beginning of lined portion between Basin D and Flare 9-10 access road

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Photo 7: Side drainage ditches near Basin D

Photo 8: Crossing over southern side ditch at Basin D

October 28, 2015:

James Aidukas (UltraSystems)

Mike Lindsay (UltraSystems)

UltraSystems

SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT

Monitor: James Aidukas	Page: 1 of 2
Discipline: Project Manager	Date: 10/28/15
Site Conditions: Cloudy	

SITE LOG

Republic Site Manager - Rob Sherman

Drove the adjacent neighborhood prior to signing in at the office. No odors were detected in the adjacent neighborhood. On the way from the adjacent neighborhood to the landfill, odors from the working face were detected on Balboa Boulevard approximately two block west of the incline to San Fernando Road. When driving on the landfill access road, gas and working face odors were detected north of Cell CC3B on the north edge of the road. Met with Mike Lindsay (UltraSystems) and signed in at the office. Observed the working face operations from the office site. The slopes in Cell CC-3A had additional straw wattle placed at approximately 20-foot vertical intervals. There appears to be slope areas that were repaired since the last rain. The misters on top of the temporary fences were in operation.

The monitoring team then proceeded to monitor the site and the adjacent neighborhood and observed the following:

- The truck scales were operating efficiently with no truck stacking.
- The temporary HDPE lined basin between the access road and cell CC-3A had approximately 2 feet of standing water. Water appears to be coming out of the slope below the truck scale area and overflowing a HDPE lined channel letting water into the basin.
- An HDPE slope drainage down shoot has been installed to drain water into the basin from the working area haul road.
- There are no drainage benches nor HDPE drainage down-chutes on the active or inactive City slopes. The need for this type of draining control should be assessed.
- Along the haul road to the working face, slopes in cell CC-3A had areas where the recent rain has caused erosion from water draining down the slopes.
- The working face odor was strong on the haul road (south of the waste fill slope) but barely detected to the north on the top deck. Two Dust Boss misters were being used.
- Along the haul road there was a liquid breakout of leachate or condensate downhill from well CHC-912. Republic was notified.
- The greenwaste facilities along Lucher were visited. Strong odors were detected at the C&D and North Hills locations.
- An increase in illegal dumping was seen along San Fernando Road south of the I-5 overpass. This area is not patrolled and cleaned by Republic. City or County clean-up services should look at this location.
- Graffiti was seen on the small brick wall south of the landfill entrance at the Gas Company's odorization station.
- No progress has been made in clearing the soil and rock from the top nor the soil in front of the retaining wall south of the entrance along San Fernando Road.
- Illegal dumping was seen on Sierra Highway near the I-14 overpass.
- The sidewalls of the terminal sedimentation basin had horizontal cracks with vegetation growing out of the cracks. Vegetation should be removed and the crack sealed.
- The terminal basin was ready for fall and winter rains. K-rails were placed in the basin to help control any sediment. There was minor sediment from the prior rain events.

Page 2 of 2, 10/28/15:

- The temporary drainages system downstream of cell CC-3B functioned adequately in the last minor rain event. There is no permanent downcomer from the twin concrete box culvert under the access road to the terminal basin. The temporary HDPE drainage downcomer may not hold up under a series of large rain events.
- Cell CC-3B is nearing liner completion with clay being placed on top of the liner.
- City Deck C sage mitigation was greening up. Saltbush thinning and invasive plant removal was being performed by the contractor.
- There was no sage mitigation activity on Decks A or B.
- The new water tank foundation has not been backfilled with soil. The soil on the deck adjacent to the tank is powder-like soil and should be treated with sealant.
- The canyons above the office facilities drain into two shallow dirt basins. Each basin has two 24" corrugated HDPE drain lines draining them onto a sloping deck that drains to the slope uphill from the offices. These drains could flood the offices with mud and water during a heavy rain. There is a hazard to the facilities.
- New Edison poles adjacent to the western ridgeline were having foundations drilled and concrete was to be poured in a day or two.
- The drainage channel out of Basin A was blocked with soil with a 20" HDPE pipe being the only flow to the westside channel.
- Basin A had approximately one foot of standing water that was not draining through the rock into the outlet risers. The native hillside has no windblown litter.
- There was a broken-down bulldozer next to Basin A that had leaked a substantial amount of oil onto the soil. This area needs attention.
- The blocked drainage channel south of the material storage area noted on the October 14th monitoring visit had the road and rock removed and now drains into Basin D.
- Basin D outlet channel has tumbleweed blocking a portion of the channel. Additional sandbags were placed on the leading edge of the channel HDPE liner to prevent the liner from uplifting.
- Basin B was clean with minor water puddles. The native hillside had windblown litter.

Flare Operating Conditions:

- Flare 1 - TetraTech personnel stated that the flow meter was offline. They estimated the flow at approximately 2000 SCFM
- Flare 3 - shut down
- Flare 9 - shut down
- Flare 10 - 1656˚F, 3259 SCFM, -62" H_2O vacuum

The gas-to-energy plant was operating at full load.

- 8246 SCFM, 47.1% methane, 1.91% O_2
- 21.3 megawatts generated, 17.2 megawatts sold

FURTHER REVIEW NEEDED
COMMENTS
Signed:

SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT

Monitor: Mike Lindsay	Page: 1 of 2
Discipline: Environmental Engineer	Date: 10-28-2015 Wednesday
Site Conditions: Cloudy, 64–84 °F, 0–10 mph, 51% RH	

SITE LOG

1. Met with Jim Aidukas (UltraSystems), and checked into office.
2. Observed working face, including tippers. Trash is being dumped on top of Alternative Daily Cover (ADC).
3. Water trucks are applying water throughout site.
4. No odors were detected at 8:20 A.M. along Balboa Boulevard.
5. C&D Green Waste facility on Blucher Avenue is producing strong wood chip and green waste odors.
6. Soil is impacting retaining wall and fence by landfill entrance.
7. Observed dumped trash and a sofa along Sierra Highway.
8. Terminal Sediment Basin is in good order, with all sediment removed and two lines of K-rails in-place before outlet risers.
9. Concrete cracks in perimeter wall of Terminal Sediment Basin have vegetation growing out of them.
10. Observed liner material being installed along main haul road at Cell CC3-B.
11. City Deck C sage mitigation area is growing well.
12. Observed overall landfill operations from observation deck.
13. Water tank above observation deck has its foundation exposed.
14. New powerline pole foundations are being formed near Flare 3.
15. Flare 3 is offline with terminated power poles.
16. Two abandoned well pipes are exposed west of Sediment Basin A.
17. Soil and pipes are blocking the east drainage channel for Sediment Basin A.
18. There is an oil spill that is about 12 feet in diameter below a piece of heavy equipment by Sediment Basin A.
19. Sediment Basin A is clear of sediment, but has standing water due to soil blocking rock berm around outlet risers.
20. Sediment Basin A is clear with no wind-blown trash along slopes.
21. Westside Drainage has concrete cracks and uplifting at known locations.
22. No odors were detected at decommissioned condensate treatment storage tanks.
23. Drainage channel at Sediment Basin D has been cleared of soil and debris.
24. Sediment Basin D north perimeter drainage has vegetation blocking channel.
25. Flare 9 is offline.
26. Flare 10 is operating at 3322 scfm, 1656 °F, with blowers 2, 3 and 4 active. Gas sample measured at 47 % Vol. CH4, 1.7 % Vol. O2, 74 ppm H2S and 455 ppm CO.
27. The Gas-to-Energy plant is operating at full capacity.
28. Sediment Basin B is clear of sediment.
29. Met with Ricky Dhupar (Republic) to discuss site monitoring observations.

FURTHER REVIEW NEEDED

1. Remove soil that is impacting retaining wall and fence at landfill entrance.
2. Remove dumped trash and sofa along Sierra Highway.
3. Remove vegetation and repair concrete cracks in perimeter wall of Terminal Sediment Basin.
4. Backfill water tank foundation with soil.
5. Clear soil and pipes from Sediment Basin A east drainage channel.
6. Remove oil spill under heavy equipment by Sediment Basin A.

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7. Repair concrete cracks and uplifting along Westside Drainage. 8. Remove vegetation from Sediment Basin D north perimeter drainage.
Signed: Michael W. Lindsay

November Site Visits

November 16, 2015:

James Aidukas (UltraSystems)

Mike Lindsay (UltraSystems)

UltraSystems

SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT

Monitor: James Aidukas	Page: 1 of 2
Discipline: Project Manager	Date: 11/16/15
Site Conditions: Clear and cool, high winds	

SITE LOG

Republic Site Manager - Rob Sherman

Drove the adjacent neighborhood prior to signing in at the office. There was one area on Sessnon one block east of Orozco where a working face odor was detected. Drove to the landfill and met with Mike Lindsay (UEI) and signed in. The monitoring team then proceeded to monitor the adjacent neighborhood and observed the following:

- Mike Lindsay and I drove the neighborhood and reconfirmed the working face odor previously detected on Sesnon. This was an isolated area with a landfill working face odor. No other areas in the neighborhood had any landfill odors.
- Observed an increase in illegal dumping on San Fernando Road near the I-5 overpass. More rock and rubble was seen on the south road shoulder. Mattresses and furniture were observed under the overpass. The County LEA and Republic were notified of this condition. Republic does not provide clean-up in this area.
- The C&D greenwaste facility on Lucher Avenue had strong greenwaste odors that were detected on Lucher Avenue and the 405 freeway.
- The North Hills Recycling on Lucher Avenue also had strong greenwaste odors. There were approximately 30 trucks lined up waiting to dispose of greenwaste with strong odors detected also coming from the trucks.
- A pile of wood chips approximately 20 feet high north of the C&D greenwaste facility was steaming due to composting.
- Illegal dumping and wind-blown litter was observed adjacent to Sierra Highway near the I-14 overpass.

We met Karlo Manalo (LACDPW) at the landfill and we proceeded to monitor the landfill and observed the following:

- The City south facing slopes had straw wattles placed to control runoff; no temporary slope HDPE v-ditches were installed.
- The City west facing slopes had no wattles or HDPE v-ditches in place.
- The landfill was closed due to high winds at approximately 9:15. Wind speed was measured at 29.2 MPH on the City top deck. Blowing paper and plastic bags were a problem.
- Litter control/pick-up crews were working to gather litter.
- Blowing dust was occurring on the inactive areas: County top deck and slopes, City top deck and slopes, old City landfill slopes, and the deck near the new water tank. Use of soil sealant should be investigated for these areas. The used of water from trucks had minimal effectiveness when the high winds were blowing.
- The new water tank foundation needs to be backfilled with dirt. The road to the tank is soft, loose dirt and should be improved.
- The concrete for the Edison pole foundations at the west side property limits was poured.
- The Basin A outlet channel is blocked with dirt and sand bags except for a 12-inch HDPE line. There is a road crossing at this location.

Page 2 of 2, 11/16/15:

- Basin A outlet is restricted by dirt around the outlet risers and has standing water.
- The equipment causing an oil spill near Basin A has been moved and the oil soaked soils have been removed.
- The westside channel concrete floor and walls is worsening.
- Basin B had minor standing water and sediment was minimal.
- The terminal basin was clean and ready to control storm flows.

Flare Operating Conditions:

- Flare 1 - 1654˚F, 1885 SCFM, -54.70" H_2O vacuum

FURTHER REVIEW NEEDED
COMMENTS
Signed:

SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT

Monitor: Mike Lindsay	Page: 1 of 1
Discipline: Environmental Engineer	Date: 11-16-2015 Monday
Site Conditions: Clear, 45–63 °F, 15–30 mph, 26% RH	

SITE LOG

1. Met with Jim Aidukas (UltraSystems), and checked into office.
2. Odors were detected as distinct at 17238 Sesnon Boulevard.
3. C&D Green Waste facility on Blucher Avenue is producing strong wood chip and green waste odors.
4. Observed dumped construction debris, sofa, mattress and automotive parts along Sierra Highway.
5. Met with Karlo Manalo (LACDPW).
6. Observed working face, and measured an average wind speed of 27.1 mph. No Alternative Daily Cover (ADC) is exposed.
7. Landfill is now closed due to high winds.
8. Water tank above observation deck has its foundation exposed.
9. Area around water tank has deep, loose soil.
10. Observed overall landfill operations from observation deck, and measured an average wind speed of 29.2 mph.
11. Flare 1 is operating at 1819 scfm and 1654 °F. Gas sample measured at 39 % Vol. CH4, 1.4 % Vol. O2, 85 ppm H2S and 40 ppm CO.
12. Observed slope drainage above Admin buildings.
13. New powerline pole foundations have been poured east of Flare 3. Poles are onsite.
14. Observed two abandoned well pipes exposed west of Sediment Basin A.
15. Soil is blocking most of the drainage channel for Sediment Basin A.
16. Sediment Basin A is clear of sediment, but has standing water due to soil blocking rock berm around outlet risers.
17. The oil spill east of Sediment Basin A has been removed.
18. Westside Drainage has concrete cracks and uplifting at known locations.
19. Water trucks are applying water throughout site.
20. Terminal Sediment Basin is in good order, with all sediment removed and lines of K-rails in-place before outlet risers.
21. Met with Patti Costa and Ricky Dhupar (Republic) to discuss site monitoring observations.

FURTHER REVIEW NEEDED

1. Control loose soil around new water tank.
2. Backfill new water tank foundation with soil.
3. Clear soil from Sediment Basin A drainage channel.
4. Repair concrete cracks and uplifting along Westside Drainage.

Signed: Michael W. Lindsay

December Site Visits

December 9, 2015:

James Aidukas (UltraSystems)

Mike Lindsay (UltraSystems)

UltraSystems

SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT

Monitor: James Aidukas	Page: 1 of 2
Discipline: Project Manager	Date: 12/9/15
Site Conditions: Cloudy, 50-70 °F	

SITE LOG

Republic Site Manager - Rob Sherman

Drove the adjacent neighborhood prior to signing in at the office. Detected a landfill odor on Constable Avenue. Drove to the landfill and signed in. Met with Mike Lindsay (UltraSystems) and proceeded to monitor the site and observed the following:

- The odor source earlier detected at Constable Avenue near Canyon Ridge was still detected at 7:45 A.M. and was a "distinct level" intensity. It was an operating face smell. Mike Lindsay measured the wind at 9.1 MPH to the SSW.
- Drove the rest of the neighborhood and no landfill odors could be detected at other locations.
- Constable Avenue was rechecked at 8:25 A.M. and still had landfill working face odors present.
- Detected a greenwaste odor at Balboa near the I-5 overpass.
- Drove to the greenwaste processing facilities on Lucher Avenue. Strong greenwaste odors were detected coming from the C& D Recycling and North Hill Greenwaste facilities area.
- Observed illegal dumping along San Fernando Road near the I-5 overpass. The accumulation of illegally dumped soil, rock and debris has increased. This area is outside of Republic's clean-up zone.
- Observed Sierra Highway and it and San Fernando Road north of the site were free of debris and wind-blown litter.
- The removal of the soil on the top of the retaining wall along San Fernando Road south of the entrance has not yet been scheduled. The wall has the top drainage channel blocked and the soil and rock has topped the wall's fence in some locations.
- An oak tree above the retaining wall is losing its soil around the roots and if it slides it will impact San Fernando Road and the powerlines. An arborist should look at the condition of this tree.
- Observed oil and other liquids in the dirt in a drainage ditch on the south side of the leachate treatment facility site. The drainage outlets of this ditch were also blocked with soil. Surface water is not able to be properly handled.
- Detected fleeting odors at the leachate treatment facility.
- Observed a water leak in the 8-inch steel potable water supply pipeline at the gray water treatment/handling area.
- Detected condensate odors at the sewer connection deep well pump. The covers to the deep well were not secure with the locking bolts and the foam seal was broken.
- The 100-acre buffer was in good condition with oak mitigation trees doing well.
- There was no landfill odors detected in the 100-acre buffer and the perimeter south gate was locked.
- The terminal basin was ready for winter storms with K-rails in place to control sediment before the water flows to the outlet risers. All of the year's sediment was removed.
- Temporary drainage controls were installed downstream of the cell CC-3B with their discharge into the terminal basin.

Page 2 of 2, 12/9/15:

- Basin B was clean and free of sediment and ready for winter storms.
- The Basin D outlet channel had sections of it blocked with tumbleweed.
- Basin D had grading done building berms to direct flow into the northern outlet before flow would go to the westside channel. This basin was ready for winter storms.
- The westside concrete drainage channel has not yet been repaired. Portions of one section of the floor continue to lift and sidewall cracks are worsening.
- Basin A was clean and free of sediment.

Flare Operating Conditions:

- Flare 1 - 1694˚F, 1940 SCFM, -55.09" vacuum, 39.0% CH_4, 1.7% O_2
- Flare 3 - shut down
- Flare 9 - shut down
- Flare 10 - 1648˚F, 3535 SCFM, -64.0 " vacuum, 35,.22" outlet, 47.7% CH_4, 1.74% O_2

There was a gas odor detected adjacent to the road to Flares 9 and 10.

The gas-to-energy plant was operating at full capacity with a gas flow to the plant of approximately 8200 SCFM.

FURTHER REVIEW NEEDED

COMMENTS

Signed:

SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT

Monitor: Mike Lindsay	Page: 1 of 2
Discipline: Environmental Engineer	Date: 12-09-2015 Wednesday
Site Conditions: Partly Cloudy, 56–73 °F, 3–15 mph, 50% RH	

SITE LOG

1. Met with Jim Aidukas (UltraSystems), and checked into office.
2. Odors were detected as distinct at 7:45 AM at the 13300 block of Constable Avenue. Measured wind speed average at 9.1 mph to the SSW.
3. North Hills Green Waste facility on Blucher Avenue is producing strong wood chip and green waste odors.
4. Observed dumped construction debris and appliances along San Fernando Road.
5. Sierra Highway is clear of debris.
6. Soil is impacting retaining wall and fence by landfill entrance.
7. Detected condensate odors at sewer lift station. Access panel is unbolted and unsealed.
8. Detected odors at leachate treatment plant by landfill entrance.
9. Water drain pipe for drainage ditch is clogged with debris at leachate treatment plant.
10. Water pipe is leaking water at leachate treatment plant.
11. Observed liquid waste disposed of onto drainage ditch at leachate treatment plant.
12. Perimeter gate at oil field is closed and locked.
13. Terminal Sediment Basin is in good order, with all sediment removed and lines of K-rails in-place before outlet risers.
14. Observed new temporary sediment basin below Cell CC-3B.
15. Water trucks are applying water throughout site.
16. Observed working face with tippers, with Alternative Daily Cover (ADC) approximately 50% exposed at 11 AM.
17. Met Patricia Hundt (LAC LEA) at working face.
18. Sediment Basin B is clear of sediment.
19. Sediment Basin D north perimeter drainage has vegetation blocking channel.
20. Westside Drainage has concrete cracks and uplifting at known locations.
21. Observed County sage mitigation area to be mostly void of vegetation.
22. Sediment Basin A is clear of sediment.
23. Flare 9 is offline.
24. Flare 10 is operating at 3412 scfm, 1648 °F, with blowers 1, 3 and 4 active. Gas sample measured at 49 % Vol. CH4, 1.4 % Vol. O2, 70 ppm H2S and 443 ppm CO.
25. The Gas-to-Energy plant is operating at full capacity.
26. Soil is blocking most of the drainage channel for Sediment Basin A.
27. Flare 1 is operating at 1980 scfm and 1695 °F. Gas sample measured at 39 % Vol. CH4, 1.8 % Vol. O2, 95 ppm H2S and 61 ppm CO.
28. Met with Patti Costa and Ricky Dhupar (Republic) to discuss site monitoring observations.

FURTHER REVIEW NEEDED

1. Remove dumped debris along San Fernando Road.
2. Clear soil from retaining wall by landfill entrance.
3. Secure and seal access panel at sewer lift station.
4. Clear drain pipe at leachate treatment plant.
5. Repair leaking water pipe at leachate treatment plant.
6. Clean up liquid spill at leachate treatment plant.

UltraSystems

7. Remove vegetation along sediment Basin D north perimeter drainage. 8. Repair concrete cracks and uplifting along Westside Drainage. 9. Remove soil that is blocking Sediment Basin A drainage.
Signed: Michael W. Lindsay

Appendix IV
Meeting Logs

Sunshine Canyon Landfill
Meeting Log for October 2015 Site Monitoring

October 14, 2015

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

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

Discussion:

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

a. Jim Aidukas stated that landfill working face odors were detected on Sessnon east of Orozco. The odors were strong between 6:30 and 7:00 a.m. When checked at approximately 9:00 a.m., the odors had substantially decreased in intensity. The landfill working faced odors were not detected in other areas of the neighborhood.
Gas odors and working face odors were also detected on the access road north of cell CC-3B.
   - Patti Costa asked us to rate the odor strength. Jim Aidukas rated it as a distinct SCAQMD odor classification at 6:30 - 7:00 a.m. and between faint and distinct at 9:00 a.m..

b. Jim Aidukas stated that greenwaste odors were detected on the I-405 south of the junction with the I-5 at approximately 6:15 a.m. At approximately 9:00 a.m., the team drove to the greenwaste facilities on Lucher Avenue. There were strong (distinct by SCAQMD classification) greenwaste odors coming from the C&D Recycling Center and the North Hills Recycling Facility. There was no odor detected on the I-405 Freeway at 9:00 a.m..
   - Patti Costa made note of this observation

c. Tarik Hadj-Hamou stated that the Sediment Basin A drainage channel is partially blocked by soil. The rock placed around the outlet risers was plugged with sediment and the drainage out of the basin may be impeded.
   - Patti Costa stated that they will clear the blockage.

d. Tarik Hadj-Hamou stated that the native hillside drainage channel south of the Sediment Basin D and the material storage area has the discharge into Basin D blocked by placement of soil and rock to provide an access road. The hillside water has no controlled outlet.
   - Patti Costa stated that she would investigate the site with operations staff and take necessary corrective action.

e. Tarik Hadj-Hamou stated that the Basin D north perimeter drainage channel has a HDPE liner with the leading edge only held down by sandbags. Water will flow between the liner

and the shotcrete channel and the liner will eventually rip. Batten strips or something similar should be used to secure the liner to the shotcrete.
    - Patti Costa stated that she will talk with operations staff and will look into having any problems corrected.

f. Jim Aidukas stated that the Sediment Basin D north perimeter drainage has vegetation blocking the channel.
    - Patti Costa stated that she would have the vegetation removed.

g. Tarik Hadj-Hamou stated that the side slope liner by the old City North landfill needs to have drainage and gas control as part of its design. He was not able to verify this in the field and did not see the design drawings.
    - Patti Costa stated that they already have a drainage and gas collection system in-place.

h. Mike Lindsay indicated that the Alternative Daily Cover plastic tarping was observed and was controlling odors and gas.
    - Patti Costa stated that they began using it on 10-13-2015.

i. Mike Lindsay stated that the decommissioned gas condensate treatment system equipment being stored in the material storage area was emitting odors.
    - Patti Costa stated that she will look into it.

j. Jim Aidukas stated that there is powder-like soil on the new water tank deck in the City South Deck A. The use of soil sealant should be considered before the winter winds commence.
    - Patti Costa stated that she will investigate it and notify operations staff.

The meeting was then adjourned.

October 28, 2015

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

Attendees:
James Aidukas, UltraSystems
Mike Lindsay, UltraSystems

Discussion:

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

a. Jim Aidukas stated that he drove the adjacent neighborhood on the way to the landfill between 6:30 and 7:00 a.m. and no odors were detected in the adjacent neighborhood. On the way from the adjacent neighborhood to the landfill, odors from the working face were detected on Balboa Boulevard approximately two blocks west of the incline to San Fernando Road. When driving on the landfill access road, gas and working face odors were detected north of Cell CC3B on the north edge of the road.
    - Ricky Dhupar stated that he would investigate the issue and notify operations staff.

b. Jim Aidukas stated that the greenwaste facilities along Lucher were visited and strong odors were detected at the C&D and North Hills locations.
    - Ricky Dhupar stated that he would make note of that in his log.

c. Jim Aidukas stated that there were no drainage benches nor HDPE drainage down-chutes on the active or inactive City slopes. Along the haul road to the working face, slopes in cell CC-3A had areas where the recent rain has caused erosion from water draining down the slopes.
    - Ricky Dhupar stated that he would notify operations staff of the concern.

d. Jim Aidukas stated that along the haul road there was a liquid breakout of leachate or condensate downhill from well CHC-912.
    - Ricky Dhupar stated that he would survey the area to try to determine the cause and notify the operations and gas systems staff.

e. Jim Aidukas stated that the western canyons above the office facilities drain into two shallow dirt basin. Each basin has two 24" corrugated HDPE drain lines draining them onto a sloping deck that drains to the slope uphill from the offices. These drains could flood the offices with mud and water during a heavy rain. There is a hazard to the facilities.
    - Ricky Dhupar stated that he would investigate the drainage concerns and notify Patti Costa and operations staff of these concerns.

f. Jim Aidukas stated that the drainage channel out of Basin A was blocked with soil with a 20" HDPE pipe being the only flow to the westside channel. Basin A had approximately one foot of standing water that was not draining through the rock into the outlet risers. These operating conditions should be checked with the drainage design plans.

- Ricky Dhupar stated that he would advise Patti Costa and operations staff of these concerns.

g. Jim Aidukas stated that there was a broken-down bulldozer next to Basin A that had leaked a substantial amount of oil onto the soil. This area needs attention.
   - Ricky Dhupar stated that he will have it cleaned up.

h. Jim Aidukas stated that the Basin D outlet channel has tumbleweed blocking a portion of the channel.
   - Ricky Dhupar stated that he would advise operations staff.

i. Jim Aidukas stated that graffiti was seen on the small brick wall south of the landfill entrance at the Gas Company's odorization station.
   - Ricky Dhupar stated that he would ask operations staff to remove it.

j. Jim Aidukas stated that the Southern California Gas Company's gas odorizing station south of the landfill entrance was leaking odorant (mercaptan liquid) and that the Gas Company should be notified.
   - Ricky Dhupar stated that he will investigate the odor. Within two hours of leaving the site, Ricky called Jim Aidukas and advised him that the Gas Company had three repair trucks at their site.

k. Jim Aidukas stated that no progress had been made in clearing the soil and rock from the top nor the soil in front of the retaining wall south of the entrance along San Fernando.
   - Ricky Dhupar stated that he will investigate when maintenance is scheduled.

l. Jim Aidukas stated that the sidewalls of the terminal sedimentation basin had horizontal cracks with vegetation growing out of the cracks. Vegetation should be removed and the crack sealed.
   - Ricky Dhupar stated that he would advise operations staff of the concern.

m. Jim Aidukas stated that Sierra Highway near the I-14 overpass had illegal dumping and windblown litter.
   - Ricky Dhupar stated that he will look into getting it removed.

The meeting was then adjourned.

Sunshine Canyon Landfill
Meeting Log for November 2015 Site Monitoring

November 16, 2015

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

Attendees:
Karlo Manalo, LACDPW
James Aidukas, UltraSystems
Mike Lindsay, UltraSystems

Discussion:

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

a. Jim Aidukas stated that fleeting landfill workface odors were detected at 17238 Sesnon Boulevard east of Orozco Street at 8:20 A.M.
   - Patti Costa stated that no odors were detected this morning by their monitor.

b. Jim Aidukas stated that strong greenwaste odors were coming from the greenwaste processing facilities at Lucher Avenue this morning at 8:40 A.M. Greenwaste odors were detected on Balboa near the I-5, on the 405, and on Lucher Avenue. He also stated that the C&D greenwaste facility had a 20-foot high greenwaste mound that was smoking due to decomposition.
   - Patti Costa acknowledged the observation and wondered if the nearby condominiums complained of odors.

c. Jim Aidukas stated that the monitoring team noted that the landfill closed due to high winds.
   - Ricky Dhupar stated that the landfill closed at approximately 9:15.

d. Jim Aidukas stated that the monitoring team observed that wind-blown paper and plastic bags were covering many landfill slopes and native vegetation due to high winds, prior to closing the landfill.
   - Patti Costa stated that they had over 30 trash pickers at work.

e. Jim Aidukas asked if soil sealant is in use to control the blowing of loose soils and dust.
   - Patti Costa stated that she will inquire with Republic's Operations Manager, Tyson Ross.

f. Jim Aidukas asked if the winter drainage systems are complete and if the site was ready for winter rains.
   - Patti Costa stated that they are complete, and that after each rain event they assess any further system improvements required.

g. Jim Aidukas asked if the drainage control system above the Administration buildings is complete.
    - Ricky Dhupar stated that Tyson Ross says it is complete.

h. Jim Aidukas stated that the monitoring team observed that the Terminal Sediment Basin has K-rails placed before the riser drains, and asked what the purpose of the K-rails were.
    - Patti Costa stated that they are to slow down water so some of the sediment drops out prior to the risers.

i. Mike Lindsay stated that dumped debris is along San Fernando Road.
    - Ricky Dhupar stated that Fred (Republic Operations) is marking off the 1.5-mile buffer limit and will remove debris and illegally dumped material from this area. For areas beyond this limit, the City will be notified.

j. Karlo Manalo stated the Sediment Basin A rock berm by the riser drains is clogged with sediment.
    - Patti Costa stated that the added retention time helps drop out sediments.

k. Karlo Manalo stated that that he noted that the litter fencing along the road above the Terminal Sediment Basin has been removed.
    - Patti Costa stated that they had to take down the fencing due to construction activity

l. Jim Aidukas stated that there is loose soil around the new water tank, and that its concrete foundation needs backfilling. Also, there is a loose panel on top of the water tank that vibrates loudly in the wind and may damage the tank.
    - Patti Costa stated that she will look into it.

m. Mike Lindsay stated that the access road to the working face could be slick during rains due to the slope of the road and the clay-like smooth dirt surface.
    - Patti Costa stated that she will talk with Tyson Ross about making improvements to the road surface.

n. Karlo Manalo asked what the small building was on the side of the access road near the landfill entrance.
    - Patti Costa stated that it will be the guard shack for a security checkpoint.

The meeting was then adjourned.

Sunshine Canyon Landfill
Meeting Log for December 2015 Site Monitoring

December 9, 2015

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

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 a "distinct level" operating face odor was detected at 7:45 AM at the 13300 block of Constable Avenue near Canyon Ridge, and that the measured wind speed average 9.1 mph to the SSW. The operating face odor was still observed at 8:30, but was less intense. Two hours later it was not detected at this location. There were no other locations in the adjacent neighborhood where landfill odors were detected.
   - Patti Costa stated that Larry Israel (SCAQMD) received four odor complaints this morning, though none of them were verified.

b. Jim Aidukas stated that strong green waste odors were detected at Balboa and the I-5 Freeway overpass at 7:30 and also detected at the North Hills facility on Lucher Avenue at 8:00 A.M.
   - Patti Costa acknowledged the statement.

c. Jim Aidukas stated that about two dump trucks worth of dumped rock, rubble, and debris were observed by UEI along San Fernando Road near the I-5 overpass.
   - Patti Costa acknowledged the statement.

d. Jim Aidukas commented that UEI observed that the vegetation had been removed from the Terminal Sediment Basin external concrete wall cracks.
   - Ricky Dhupar stated that a bit more work is needed there.

e. Jim Aidukas stated that the retaining wall on San Fernando Road south of the entrance had a soil build-up impacting the drainage on top of the wall and also the fence. There was an oak tree on the cut slope above the wall that was losing soil at its roots and that it could fall onto San Fernando Road and the powerlines supplying the landfill.
   - Patti Costa stated that she will have someone look into it.

f. Jim Aidukas stated that condensate odors were detected at the sewer lift station and leachate treatment plant, and that the lift station access panel is unbolted and unsealed.
   - Patti Costa stated that she will have someone look into it.

g. Mike Lindsay stated that a potable water supply pipeline was leaking water at the gray water handling facility .
   - Patti Costa stated that she will have it repaired.

h. Jim Aidukas stated that he detected a gas smell between Cell CC-3B and two gas recovery wells on the landfill slope above the cell.
   - Patti Costa acknowledged the statement.

i. Jim Aidukas stated that the gas flow meter at the Flare 9 and 10 compressor control panel was reading approximately 3000 SCFM below the meter at the gas-to-energy plant. The gas plant personnel said that TetraTech replaced the control panel meter but it needed to be calibrated.
   - Patti Costa acknowledged the statement.

j. Mike Lindsay stated that the Sediment Basin D north perimeter drainage has tumbleweed blocking the channel.
   - Ricky Dhupar stated that yes, more cleaning is needed.

The meeting was then adjourned.

DEPARTMENT OF CITY PLANNING

RECOMMENDATION REPORT

City Planning Commission

Date: October 22, 2015
Time: 8:30 a.m.
Place: Van Nuys City Hall Council Chamber, 2nd floor
14410 Sylvan Street
Van Nuys, CA 91401

Public Hearing: October 22, 2015
Appeal Status: Director Initiated Only/City Council
Expiration Date: October 30, 2015
Multiple Approval: N/A

Case No.: CPC-98-0184(ZC/GPA)(MPR)
Ordinance No.:172,933
CEQA No.: SFEIR 91-0377-ZC/GPA
SCH No.: 92041053
Incidental Cases: N/A
Related Cases: N/A
Council No.: 12
Plan Area: Granada Hills-Knollwood
Specific Plan: N/A
Certified NC: Granada Hills North
GPLU: Heavy Industrial & Open Space
Zone: [T][Q]M3-1-O & A1-1-O

Applicant: Republic Services
Representative: N/A

PROJECT LOCATION: 14747 North San Fernando Road

PROJECT: Phase III Review of the Sunshine Canyon Landfill

REQUESTED ACTION: Pursuant to [Q] Condition No. B.3 of Ordinance No. 172,933, the City Planning Commission will consider the Director's review of items "aa" through "ff" under said condition (Phase III Review). The Phase III Review includes consideration of operational history, condition compliance, mitigation compliance, additional corrective measures as deemed necessary, and evidence of completion of approved Closure Plans as determined by the Local Enforcement Agency.

RECOMMENDED ACTIONS: Find that the Director's Phase III Review satisfies the requirements under Ordinance No. 172,933, Condition [Q]B.3 and that no corrective measures are necessary due to the fact that such measures are being implemented through the Technical Advisory Committee, Board of Directors - Local Enforcement Agency, and through various other enforcement agencies identified in the Mitigation Monitoring and Reporting Program.

MICHAEL J. LOGRANDE
Director of Planning

Lisa Webber, AICP
Deputy Director

Nicholas Hendricks, City Planner
Telephone: (818) 321-3994

TABLE OF CONTENTS

Sunshine Canyon Landfill Phase III Review

Background

In 1958, Browning-Ferris Industries, Inc. (BFI) was granted a variance for landfilling activities in a portion of Sunshine Canyon located within the boundaries of the City of Los Angeles (Granada Hills Community). In 1966, the City authorized the expansion of landfilling activities within a 300-acre area of Sunshine Canyon through the granting of a 25-year variance. In September 1991, upon the expiration of the variance, landfilling operations within the City portion of the landfill ceased.

In November 1993, the County approved a Conditional Use Permit (CUP No. 86-312-(5) - the "1993 CUP") to allow BFI to extend landfilling into the County portion of Sunshine Canyon. In conjunction with the approval of the CUP, the County certified a Final Environmental Impact Report (FEIR) for landfilling within the portion of the Sunshine Canyon Landfill located within the unincorporated territory of the County. The FEIR included the consideration of impacts and mitigation measures in both the County and City jurisdictions of the Sunshine Canyon Landfill. In August 1996, landfilling operations commenced in the County.

Through the 1993 CUP, the County directed BFI to seek approvals from the City to resume landfilling activities within the City that would provide for development of the ultimate joint operation of the Sunshine Canyon Landfill later authorized by the City's 1999 General Plan Amendment/Zone Change (the "City GPA/ZC") and County Conditional Use Permit No. 00-194-(5) (the 2007 CUP") ("City/County Project").

The 1999 City GPA/ZC approval also included the certification of a Final Subsequent Environmental Impact Report (the "FSEIR") that analyzed the development, operation and maintenance of both a separate City landfill and ultimately the joint City/County Project. The City also approved a Mitigation Monitoring and Reporting Program for the landfilling operations.

On February 6, 2007, the County certified an Addendum to the previously certified SEIR and FEIR and approved the 2007 CUP to replace the 1993 CUP, authorizing enhanced landfilling operations in the County, including both a separate County landfill and ultimately the joint City/County Project, and make the relevant conditions of approval contained within the 2007 CUP consistent with the those conditions of approval contained within the City GPA/ZC. At that time, the County also approved a Mitigation Monitoring and Reporting program for the landfilling operations.

Collectively, the City and County approvals conditionally permit a Class III, non-hazardous solid waste landfill located in both the City and the County that may be designed to share environmental control systems (e.g., landfill liner, leachate collection and removal system, and landfill gas extraction and flaring system), with shared use of the access road, scales, administrative offices, and other ancillary uses. As a result, a landfill footprint for the joint City/County Project was established, encompassing approximately 363 acres, with a total solid waste disposal capacity of approximately 141 million cubic yards of airspace. Of the 363 acres covered, approximately 183 acres are authorized for landfilling within the City, having an estimated total disposal capacity of approximately 86 million cubic yards, and approximately 180 acres are authorized for landfilling within the County, having an estimated total disposal capacity of approximately 55 million cubic yards.

On May 12, 2008, a Joint Exercise of Powers Agreement was executed between the City and County establishing the Board of Directors (BOD), whose purpose is to administer the Sunshine Canyon Landfill Local Enforcement Agency (SCL-LEA). The BOD is comprised of five Directors including the General Managers of the City's LEA and the County's LEA, appointed positions by the County Supervisor's office and the City Council, as well as an appointed Public Director who is a licensed Registered Civil Engineer with professional experience dealing with public policy, legal/regulatory matters, and environmental issues related to waste disposal and landfill management.

On December 23, 2008, the City and County entered into a Memorandum of Understanding (MOU) establishing a combined City/County Technical Advisory Committee (TAC). The MOU provided clarifications regarding the jurisdictional roles of the various agencies of the City and County in relation to

the management and oversight of joint City/County Project. Further, the TAC serves the purpose of reviewing, coordinating and certifying satisfactory compliance with plans, permits and/or agreements required and/or authorized for the landfill operation by the City's GPA/ZC and MMRP and by the County 2007 CUP and MMRP, including the implementation and/or completion of the Conditions of Approval. The Co-Chairs of the TAC (City Planning/County Regional Planning) are delegated the responsibility to make all decisions and interpretations on behalf of the combined TAC and are advised by other TAC members (e.g., City Attorney and County Counsel, County Department of Public Works, SCAQMD, City and Regional Planning, etc.).

The MOU also established the Community Advisory Committee (CAC) composed of members appointed per City [Q] Condition No.C.13. The CAC is funded by the landfill operator and meets every other month. The purpose of the CAC is to serve as a liaison between the landfill operator and the community and as a means for the community to communicate with the TAC and regulatory agencies on an ongoing bases regarding community issues associated with landfill operations. The CAC may request the TAC to review and interpret specific conditions of approval and/or mitigation measures. The TAC, BOD and CAC hold public meetings subject to the Brown Act.

Purpose - Phase III Review

The purpose of the Phase III Review is to provide an update to the City Planning Commission with regards to existing condition compliance matters of the Sunshine Canyon Landfill and to ensure that all agreements identified in the Ordinance have been satisfied. Pursuant to Section B.3 of the City's Land Use Approval ([Q] Conditions - Case No. CPC-98-0184(ZC/GPA)(MPR)), the Director is required to perform the review and report the results of the review to the City Planning Commission.

Phase III Review

The following provisions under Section B.3 of the Ordinance are provided with responses in bold indicating compliance status.

aa. Compliance with the conditions of the subject approval;

The Planning Department, in consultation with the Independent Monitor, has reviewed the Conditions of Approval and found that the landfill operator has complied with the applicable Conditions of Approval. Odor abatement efforts are ongoing under the purview of the Local Enforcement Agency and the South Coast Air Quality Management District. Aside from those measures implemented by the TAC and BOD, no additional corrective measures are required at this time as a result of this review. Member agencies of the TAC and BOD have the capacity to implement corrective measures as deemed necessary.

bb. Compliance with all appropriate permits and agreements from the City of Los Angeles and Los Angeles County for operation of the City/County operation as stated in Condition No. A.9;

All agreements and permits have been satisfied. The Joint Exercise of Powers Agreement and Memorandum of Understanding (Revenue Sharing and Planning Issues MOU's) were adopted by City Council on November 25, 2008 (CF 08-0987 & CF 08-0987-S1). Independent Monitors for Air Quality and Mitigation/Condition Compliance Monitoring have been selected and have performed their duties in accordance with all existing contracts. The landfill operator has continued to fund all activities in compliance with Ordinance No. 172,933.

cc. Evidence of completion of the approved closure construction in the areas where new waste will overlie portions of the inactive landfill and compliance with the Closure Plan, as determined by the Local Enforcement Agency, for the Inactive City Landfill;

This condition has been satisfied. The Local Enforcement Agency has issued a letter confirming that this condition has been performed.

dd. Submittal of annual reports in a timely manner;

All required reports have been submitted in a timely manner. The landfill operator continues to report results to the TAC, CAC and BOD. All reports are posted online and are available for public review.

ee. The City's review for proceeding to Phase III shall begin no later than the beginning of the third quarter of the ninth year of the City landfill operation and shall be concluded within six months. Any corrective measures deemed necessary shall be formulated and imposed within the following six-month period; however, except as provided in Condition Nos. A.4.c and D, there shall be no interruption of service during the establishment and implementation of any corrective measures deemed necessary by the TAC or caused by delays in the City's review. In addition, the City's review for compliance shall be carried out on an ongoing basis including annual reports provided by the permittee and evaluated by the Technical Advisory Committee and submitted to the City Planning Commission; and

Planning staff announced the Phase III Review at the TAC meeting in April 2015 and September 29, 2015. Hearing Notices were mailed on September 28, 2015. Based on the review of the most recent reports, general compliance has been established. No corrective measures are deemed necessary aside from those measures associated with odor abatement efforts of the TAC, BOD, LEA and the SCAQMD. Both County Regional Planning and City Planning will continue to monitor landfill operations at Sunshine Canyon. The BOD, the TAC, and the LEA will continue to exercise their authority and jurisdiction as prescribed by Ordinance and as prescribed by the JPA and the MOU.

Annual and quarterly compliance reports are posted online at http://planning.lacity.org/ and can be accessed in the "What's New" link under the Sunshine Canyon Landfill tab.

ff. The Director of Planning's results of the review shall be submitted to and considered by the City Planning Commission utilizing the procedure under Section 12.32.C.1 of the Los Angeles Municipal Code or subsequent amendments thereto.

This report as well as the procedures for notice and public hearing under Section 12.32.C.1 satisfies this condition.

Outstanding Issues

The community located south of the landfill increased its number of odor complaints beginning in the year 2009. Between the years of 1995 and 2008, the highest annual odor complaint level (alleging the landfill as the source of the odors) was 53 complaints in the year 2002. In the year 2009, complaint levels rose to 310 complaints and continued to increase to 613 complaints in the year 2010. In response to these complaints (2010), a practice was implemented involving the placement of a nine-inch soil daily cover over the fresh trash to mitigate odor problems. However, subsequent complaint levels increased to 1,565 odor complaints in 2011, which have been sustained at these high levels going into the year 2015 (at the time of writing this report, the number of complaints in the year 2015 has reached 1,240 complaints as of September 27, 2015). The grand total of odor complaints since 2009 is well over 7,000 complaints. The total number of confirmed odor complaints attributed to the landfill is 124 verified complaints (124 Notices of Violations from the SCAQMD). Three Stipulated Orders of Abatement have been issued by the SCAQMD and an Interagency Taskforce comprised of various public agencies, including City Planning and County Regional Planning, was formed in the year 2012 to identify practices or measures to reduce odor impacts generated by the landfill. The Interagency Task Force issued a report on June 27, 2013 listing a number recommendations for odor mitigation. It should be noted that an increase in gas-related odors significantly increased after the implementation of the nine-inch soil daily cover.

The increase in odor complaints can be attributed to a number of factors which have been analyzed in various technical studies performed by consultants under contract by Republic Services and also performed by independent consultants contracted by the SCAQMD and further reviewed by the Local Enforcement Agency (LEA). All studies confirm that one of the factors contributing to the odor issue is attributed to the practice of using nine-inches of compacted dirt as a daily cover.

For various reasons outlined in the technical studies, the nine-inch soil cover is interfering with the landfill gas and leachate collection system, as this practice leads to the creation of impermeable layers that

interfere with the efficient migration of methane and leachate into the gas collection system. This then leads to increased pressure within the landfill refuse cells causing the methane gas to migrate out of the refuse cells and into the atmosphere where it is carried by atmospheric conditions into the residential community south of the landfill. (Note: All technical documents regarding odor and daily cover issues can be viewed at http://www.scllea.org/ link "Special Projects" or https://www.dropbox.com/home/SCL%20LEA%20Folder/09-29-2015%20-%20TAC%20Meeting)

At its meeting on September 29, 2015, the Technical Advisory Committee issued a directive to implement an Alternative Daily Cover (ADC) as approved by the Board of Directors (BOD) of the LEA. Through the TAC and BOD-LEA, along with member agencies of the County and City, the TAC and the BOD will continue to monitor the performance of recommended practices associated with the gas collection system and the ADC to remedy the odor issue. In addition to implementing the ADC, a number of other corrective actions will be taken as approved by the LEA and as further required and recommended by the SCAQMD.

Conclusion

Aside from the odor issue, the landfill operator has, in general, demonstrated compliance with the conditions set forth in the approval of the GPA/ZC. No further corrective conditions are recommended, as odor abatement is under the purview and jurisdiction of the LEA and SCAQMD as defined in the Mitigation Monitoring and Reporting Program. Through the TAC and BOD, City Planning, the County Department of Regional Planning, member agencies and the LEA will continue to monitor and implement corrective measures as may be deemed necessary.

Therefore, staff recommends that the City Planning Commission Find that the Director's Phase III Review satisfies the requirements under Ordinance No. 172,933, Condition [Q]B.3 and that no further corrective measures are necessary because such measures are already being implemented through the Technical Advisory Committee, Board of Directors - Local Enforcement Agency, and through various other enforcement agencies identified in the Mitigation Monitoring and Reporting Program.

Zoning/Vicinity Map

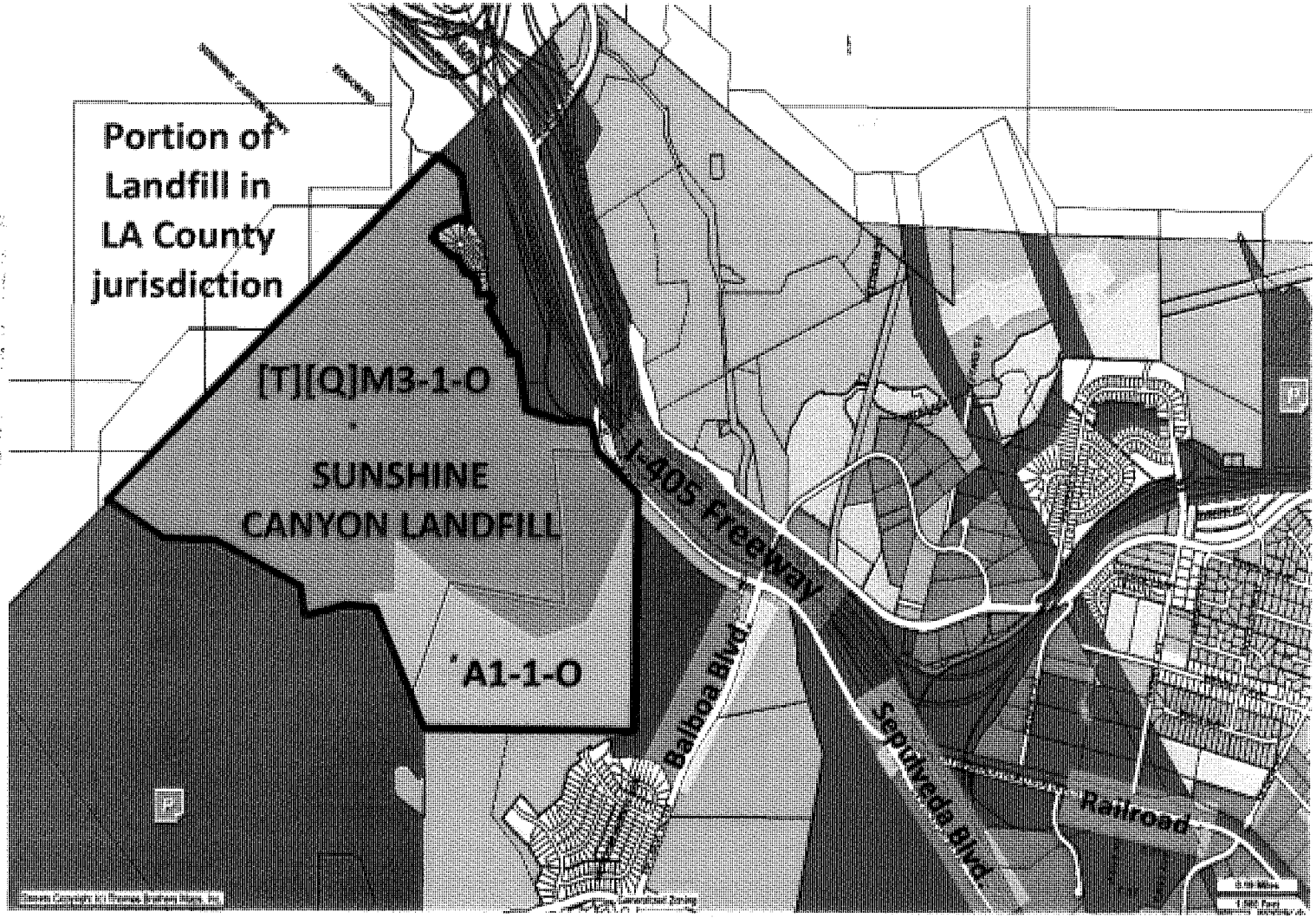
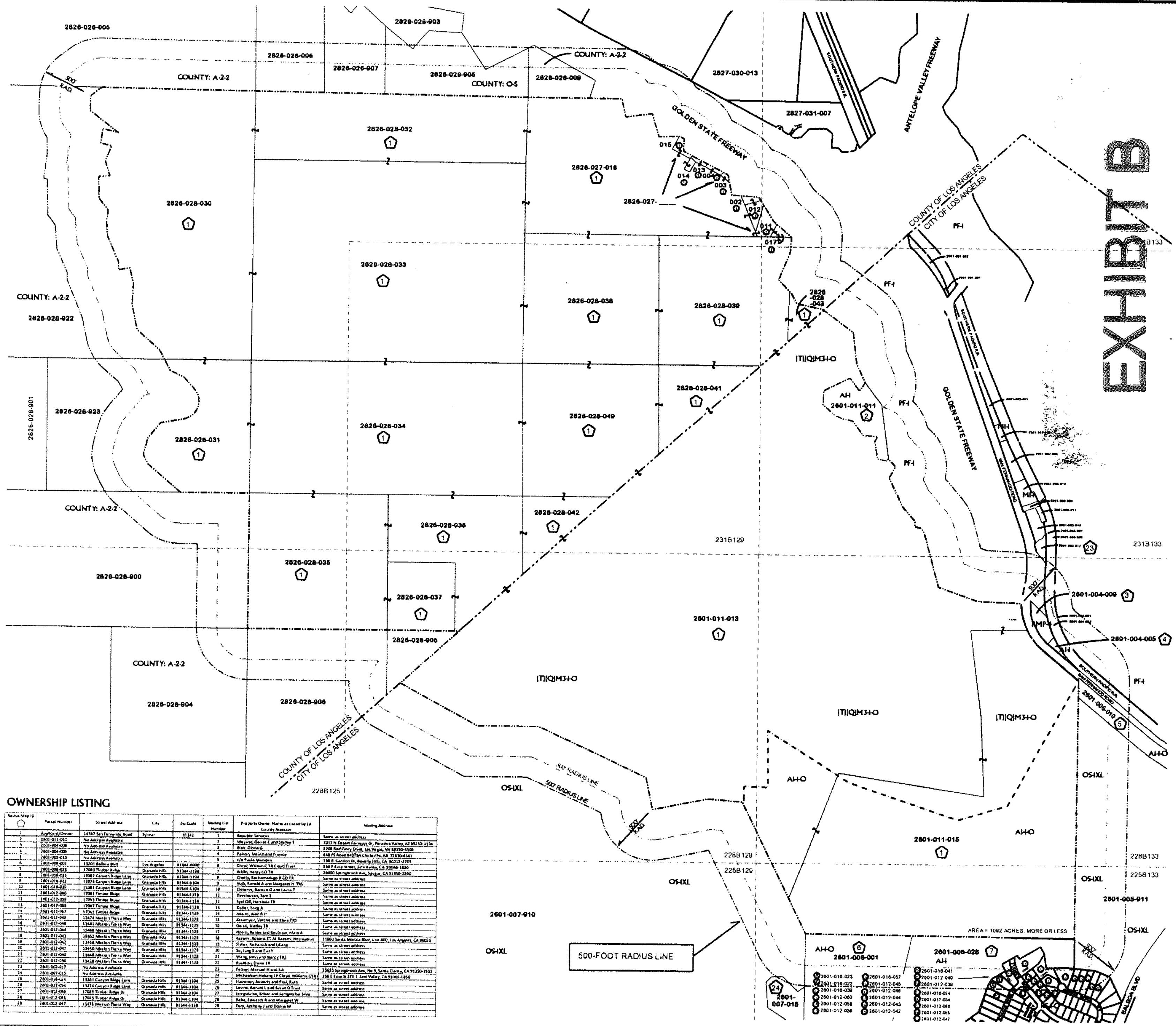


EXHIBIT A



OWNERSHIP LISTING

Radius Map ID	Parcel Number	Street Address	City	Zip Code	Mailing List Number	Property Owner Name as Listed by LA County Assessor	Mailing Address
1	Applicant/Owner	13747 San Fernando Road	Sylmar	91342	1	Republic Services	Same as street address
2	2601-011-011	No Address Available			2	Weyand, Garret C and Shirley T	7017 N Desert Fairways Dr, Paradise Valley, AZ 85253-1336
3	2601-004-009	No Address Available			3	Blair, Gloria G	3208 Red Glory Drive, Las Vegas, NV 89130-5300
4	2601-004-005	No Address Available			4	Patton, Melvin and Frankie	848 FS Road 94378A Clarksville, AR 72830-4161
5	2601-005-010	No Address Available			5	c/o Paula Meriden	136 El Camino Dr, Beverly Hills, CA 90212-2705
6	2601-006-001	15701 Balboa Blvd	Los Angeles	91344-0000	6	Cloyd, William C TR Cloyd Trust	350 E Easy Street, Simi Valley, CA 93065-1850
7	2601-006-028	17080 Timber Ridge	Granada Hills	91344-1138	7	Arklin, Henry CO TR	26000 Springbrook Ave, Saugus, CA 91350-2500
8	2601-016-023	13367 Canyon Ridge Lane	Granada Hills	91344-1104	8	Chetty, Rachamadugu E CO TR	Same as street address
9	2601-016-027	13374 Canyon Ridge Lane	Granada Hills	91344-1104	9	Volk, Ronald A and Margaret H TRS	Same as street address
10	2601-016-039	13381 Canyon Ridge Lane	Granada Hills	91344-1104	10	Cisneros, Ramiro G and Laura T	Same as street address
11	2601-012-060	17061 Timber Ridge	Granada Hills	91344-1138	11	Gevherian, Sam S	Same as street address
12	2601-012-059	17053 Timber Ridge	Granada Hills	91344-1138	12	Syal Gill, Harsbala TR	Same as street address
13	2601-012-058	17047 Timber Ridge	Granada Hills	91344-1138	13	Kistler, Yong A	Same as street address
14	2601-012-057	17041 Timber Ridge	Granada Hills	91344-2128	14	Adams, Alan R Jr	Same as street address
15	2601-012-045	13474 Mission Tierra Way	Granada Hills	91344-1128	15	Kaoumyan, Vetche and Elena TRS	Same as street address
16	2601-012-046	13481 Mission Tierra Way	Granada Hills	91344-1129	16	Gerstl, Shelley TR	Same as street address
17	2601-012-044	13468 Mission Tierra Way	Granada Hills	91344-1128	17	Norris, Renee and Kaufman, Mary A	Same as street address
18	2601-012-043	13462 Mission Tierra Way	Granada Hills	91344-1128	18	Karami, Rozana ET Al Karami, Homayoun	11801 Santa Monica Blvd, Unit 800, Los Angeles, CA 90025
19	2601-012-042	13458 Mission Tierra Way	Granada Hills	91344-1128	19	Fisher, Richard A and Liliana	Same as street address
20	2601-012-041	13450 Mission Tierra Way	Granada Hills	91344-1128	20	So, Jung S and Eun Y	Same as street address
21	2601-012-040	13448 Mission Tierra Way	Granada Hills	91344-1128	21	Wang, John and Nancy TRS	Same as street address
22	2601-012-039	13438 Mission Tierra Way	Granada Hills	91344-1128	22	Rushton, Dane TR	Same as street address
23	2601-007-017	No Address Available			23	Fennel, Michael H and Juk	23655 Springbrook Ave, No 9, Santa Clarita, CA 91350-2532
24	2601-007-015	No Address Available			24	Michaelson Holding LP Cloyd, Williams C TR	350 E Easy St STE 1, Simi Valley, CA 93065-1850
25	2601-016-024	13361 Canyon Ridge Lane	Granada Hills	91344-1104	25	Hausman, Roberts and Paul, Ruth	Same as street address
26	2601-017-034	13374 Canyon Ridge Lane	Granada Hills	91344-1104	26	Lavine, Ronald L and Susan G Trust	Same as street address
27	2601-012-066	17035 Timber Ridge Dr	Granada Hills	91344-1104	27	Jangotchia, Krikor and Jangotchia Silva	Same as street address
28	2601-012-065	17025 Timber Ridge Dr	Granada Hills	91344-1104	28	Baba, Edwards R and Margaret W	Same as street address
29	2601-012-047	13471 Mission Tierra Way	Granada Hills	91344-1128	29	Zaro, Anthony J and Donna M	Same as street address

MAP PREPARED BY:

Geo-Logic ASSOCIATES

250 W. FIRST STREET
SUITE 228
CLAREMONT, CA 91711
(909) 626-2282
www.geo-logic.com

GRAPHIC SCALE

NOTES

1 CASE NUMBER as noted in title block

2 NET OWNERSHIP ACREAGE 1092 ACRES, MORE OR LESS AREA WITHIN CITY OF LOS ANGELES IS 452 ACRES, MORE OR LESS

3 DATE PREPARED SEPTEMEBR 14, 2015

4 CITY CADASTRAL MAP NUMBERS 231B129, 231B133, 228B129, 228B133, 225B133

5 CITY COUNCIL DISTRICT NO 12

6 CENSUS TRACT 080371_1066_03

7 THOMAS GUIDE MAP PAGE 481 GRIDS A1-A3, B1-B3 AND C1-C3, AND PAGE 4641 GRIDS A7 AND B7

8 ZONING/LAND USE: OPEN SPACE; ADJOINING LAND USE NORTH, WEST AND SOUTH: OPEN SPACE. ADJOINING LAND USE SOUTHEAST: SINGLE FAMILY LOW

9 COMMUNITY PLAN AREA
GRANADA HILLS - KNOLLWOOD

10 AP NUMBERS 2826-028-005, -006, AND -009 LISTED BY COUNTY ASSESSOR AS UNKNOWN OWNERSHIP AND UNKNOWN ADDRESS

11 900 SERIES PARCELS NOT INCLUDED IN MAILING LIST

12 PRIMARY CONTACT
PATTI COSTA
(818) 362-2075

LEGEND

OWNERSHIP ASSESSOR PARCELS
BORDERING ASSESSOR PARCELS
ASSESSOR PARCEL NUMBERS
CITY OF LOS ANGELES CADASTRAL GRID
CITY OF LOS ANGELES CADASTRAL MAP NO
500 FOOT RADIUS CIRCUMFERENCE LINE
LANDFILL PROPERTY BOUNDARY
CITY-COUNTY BOUNDARY
CITY ZONING BOUNDARY
OS-1XL CITY ZONING DESIGNATION
UNIQUE PARCEL DESIGNATION FOR RADIUS MAP

REPUBLIC SERVICES

SUNSHINE CANYON LANDFILL
SYLMAR, CA

PHASE III REVIEW
CASE CP-1998-0184-GPA-ZC-MPR
500-FOOT RADIUS MAP

Aerial Map

EXHIBIT C