Sunshine Canyon Landfill
Independent Monitor
Quarterly Site Monitoring Status Report
July 1, 2018 – September 30, 2018

Prepared For:

City of Los Angeles Department of City Planning

And

County of Los Angeles Department of Regional Planning

Prepared By:

UltraSystems
environmental | management | planning

16431 Scientific Way
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Prepared On:

November 5, 2018

UltraSystems
environmental | management | planning

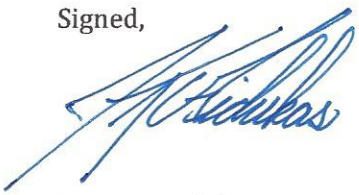
CERTIFICATION STATEMENT

November 5, 2018

The attached Quarterly Site Monitoring Status Report for the Sunshine Canyon Landfill dated November 5, 2018 is the Third Quarterly Report for 2018, issued by UltraSystems. This report covers the monitoring period from July 1, 2018 through September 30, 2018 and is prepared for the City of Los Angeles Department of City Planning and the County of Los Angeles Department of Regional Planning.

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

Signed,



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Quarterly Status Report

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

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

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

This Quarterly Report provides the City of Los Angeles Department of Planning and the County of Los Angeles Department of Regional Planning with a concise status of the Mitigation Measure Monitoring for the period of July 1, 2018 to September 30, 2018. It includes:

1. The City and County Mitigation Monitoring Summary spreadsheets for July 1, 2018 to September 30, 2018. These spreadsheets record the areas of monitoring completed and the status of being compliant during the third quarter of 2018;
2. A Status Summary of Non-Compliant, Further Review Needed and Compliant with the requirements of the conditions and/or mitigation measures;
3. Photo Location Map and Relevant Site Photos showing site conditions of key areas of the landfill during this quarter;
4. Site visit attendees by date of site visit and the mitigation monitoring site report from each monitor;
5. Meeting logs documenting any meetings with Republic staff and/or public agencies, with the topics discussed; and
6. Any site monitoring documenting site changes.

Site Visits During the Quarter

Five site visits were performed by UltraSystems during the July through September 2018 quarter in order to observe operational site activities and determine compliant status with conditions and/or mitigation measures. They were performed on July 5, 2018; July 24, 2018; August 29, 2018; September 12, 2018; and September 25, 2018. The previously discussed conditions and/or mitigation measures were tracked by each specialist who visited, and observations were documented. Site conditions were noted to be: Compliant, Non-Compliant, or Further Review Needed. If a Condition was found to be Non-Compliant or observed as having Further Review Needed, a reference was made to an appendix which details what was observed by the monitor.

Definition of Terms

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

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

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

> Further Review Needed/ Comments is defined as comments documenting site conditions observed during monitoring visits that are not fully compliant but action is being taken in order to obtain full compliance with conditions and/or mitigation measures. Recommendations from the monitor, as appropriate, and status from Republic may also be given. The comments section of the monitoring report also provides a summary of activities being done onsite to construct or maintain facilities and a summary of documents, reports and drawings that should be readily available onsite for monitoring reference.

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

Status Summary

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

Compliant

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

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

Non-Compliant

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

Further Review Needed

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

Q-B.2.c (City)

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

Geology-1.07 (County)

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

Geology-1.11 (County)

Grading allows for ancillary facilities outside of the landfill footprint.

Biota-4.29 (County)

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

Biota-4.30 (County)

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

Biota-4.33 (County)

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

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

Current Status/Comments – The Cell CC-4 Part 3 buttress grading was occurring during the 3rd Quarter of 2018. The consulting biologist confirmed that there were no nesting birds in early July, and gave clearance for removal of all vegetation in the planned grading area. This grading and buttress construction is the only grading being done outside the prior-approved landfill footprint. The buttress will encompass moving three million yards of soils in an area adjacent to the prior-approved landfill footprint at the western boundary near the City/County jurisdictional line. This buttress will provide a stable footing for the native hillsides. The consulting biologist is onsite fulltime when grubbing moves into the heavily-vegetated and tree areas. A paleontologist is onsite fulltime during the grubbing and grading. The buttress grading is scheduled to be completed by December.

In early July, excavation was ongoing for the Cell CC-4 Part 3 buttress. A paleontological monitor was onsite observing grading in undisturbed areas. Cell CC-4 Part 1 and Part 2 were accepting waste. No operational issues were noted.

In late July, Cell CC-4 Part 3 buttress excavation was underway and seep water was being controlled. A paleontological monitor was observing the excavation. Cell CC-4 Part 1 was accepting waste; Part 2 was inactive.

In late August, excavation was ongoing for the Cell CC-4 Part 3 buttress. A paleontological monitor was observing the excavation. The buttress soils were being stockpiled on the County far north top deck. Cell CC-4 Part 1 was accepting waste; Part 2 was idle. No operating concerns were noted.

In early September, the Cell CC-4 Part 3 buttress was nearing completion of the toe excavation. The buttress soils were being stockpiled on the County far north top deck. Excavation at the toe of the slide was proceeding carefully as to not cause an accidental movement of the slide area. A laser and prism ground movement detection system was installed to monitor the excavation, with action required levels set at ¼ inch, ½ inch and 1 inch of movement. Cell CC-4 Part 1 was accepting waste; Part 2 was idle.

In late September, the excavation of the toe of the slide for the Cell CC-4 Part 3 buttress was nearing completion. Cell CC-4 Part 1 and Part 2 were actively accepting waste.

Q-C.3.h (City)

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

Current Status/Comments – Throughout the 3rd Quarter, there were numerous dirt access roads that are used daily, but infrequently. When used, blowing dust is a concern. The use of a soil sealant or limiting the use of dirt roads to those that are watered should be considered. The use of a soil sealant on temporary construction roads should be evaluated. The use of water trucks was not effective in controlling dust on these roads.

In late July, prior to the start of accepting waste, equipment was moving soils in Cell CC-4 Part 1 and Part 2, and Cell CC-3A, causing a sustained large dust plume over the area. No water trucks were operating. There was no water being used to control large dust plumes coming from Cell CC-4 Part 3 buttress soils being moved by scrapers to the County top deck for stockpiling.

In late August, prior to the start of accepting waste, earth moving equipment was working on the top deck of Cell CC-4 Part 1, causing large dust clouds.

In late September, the transfer trucks were causing dust clouds on the dirt haul road near the Cell CC-3B top deck.

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

Current Status/Comments – During this quarter, no graffiti was observed.

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

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

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

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

Current Status/Comments – In early July, the gas-to-energy plant was using 9728 SCFM of recovered landfill gas, 44% CH4, 1.6% O2, 58 ppm H2S. Flare 1: 2262 SCFM; Flare 3: shut down; Flare 9: 2528 SCFM; Flare 10: 2561 SCFM; Flare 11: 2521 SCFM. The total volume of landfill gas being recovered was 19,600 SCFM.

In late July, the gas-to-energy plant was using 9670 SCFM of recovered landfill gas, 45% CH4, 1.9% O2, 56 ppm H2S. Flare 1: 2275 SCFM; Flare 3: shut down; Flare 9: 2188 SCFM; Flare 10: 2138 SCFM; Flare 11: 2181 SCFM. The total volume of landfill gas being recovered was 18,452 SCFM.

In late August, the gas-to-energy plant was using 9565 SCFM of recovered landfill gas, 46% CH4, 1.6% O2, 58 ppm H2S. The facility was at 100% production. Flare 1: 2235 SCFM; Flare 3: shut down; Flare 9: 3227 SCFM; Flare 10: 3261 SCFM; Flare 11: shut down. The total volume of landfill gas being recovered was 18,448 SCFM.

In early September, the gas-to-energy plant was using 9801 SCFM of recovered landfill gas, 45% CH4, 1.5% O2, 61 ppm H2S. The facility was at 100% production. Flare 1: not monitored; Flare 3: shut down; Flare 9: shut down; Flare 10: 3093 SCFM; Flare 11: 2862 SCFM. The total volume of landfill gas being recovered was 16,756 SCFM, not including Flare 1.

In late September, the gas-to-energy plant was using 9440 SCFM of recovered landfill gas, 45% CH4, 1.9% O2, 56 ppm H2S. Flare 1: 2146 SCFM; Flare 3: shut down; Flare 9: 2427 SCFM; Flare 10: 2512 SCFM; Flare 11: 2434 SCFM. The total volume of landfill gas being recovered was 18,959 SCFM.

The quantity of landfill gas being recovered during the 3rd Quarter has averaged 18,443 SCFM, assuming zero volume for Flare 1 which was not monitored in early September, with the gas-to-energy plant usage averaging 9641 SCFM. An expansion of the gas-to-energy plant or different beneficial use facility should be evaluated.

The conditions state that planning for expanding the renewable energy facilities should begin when the quantity and quality of gas being flared can support the installation of a new facility or an expansion of the existing facility, and that the status of the technical and economic feasibility be included in Republic's biennial reports. The typical time required for planning, funding and permitting a renewable energy facility is four years, or more.

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

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

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

M-4.1.1(2) (City)
Areas outside of and above the cut and fill as shown on the conceptual grading plan shall not be graded, except for the development of ancillary facilities or other related improvements. Additional grading may be necessary for slope stability or drainage purposes. Prior to undertaking any grading activities, the Department of Building and Safety shall be notified and approve any additional grading based on engineering studies (in accordance with CCR Title 27) provided by the project proponent and independently evaluated by the Department of Building and Safety.

M-4.1.1(4) (City)
Grading that allows for construction of ancillary facilities outside of the landfill footprint or that has the potential to impact property beyond the boundary of the landfill shall be approved by the Department of Building and Safety.

M-4.1.1(5) (City)
All grading activities shall be in compliance with specific requirements provided in a comprehensive geotechnical report prepared specifically for the proposed project, including provisions for excavation approved by the Department of Building and Safety, City Engineer, City LEA and other Responsible Agencies.

M-4.1.5(12) (City)
Geologic Hazards - Liquefaction
Alluvium in the canyon bottoms beneath the footprint of the waste containment system and beneath ancillary structures shall be excavated and, if necessary, replaced with compacted structural fill during construction. A qualified geologist shall be onsite during construction activities to observe removal and replacement of alluvium and verify that all alluvium within the landfill footprint has been removed prior to placement of any compacted fill or construction of any containment system elements.

M-4.14.1(155) (City)
Construction of the realigned access roadway shall not exceed 15 percent in grade. An access road shall be constructed and maintained around the working area of the landfill for emergency access for firefighting equipment.

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

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

M-4.1.1(6) (City)
Revegetation and erosion control procedures on all exposed slopes shall be implemented. The erosion controls to be implemented at the site shall include soil stabilization measures and revegetation in

accordance with the approved revegetation plan as approved by the City Building and Safety Department. Interceptor ditches shall be designed to divert storm runoff to a sedimentation basin.

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

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

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

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

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

Visual-10.08 (County)
Cover/Revegetation Requirements
The permittee shall comply with the following cover and re-vegetation requirements at the Landfill:

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

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

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

Current Status/Comments – During the 3rd Quarter, Closure Turf was functioning well and being maintained. Gas and liquids recovery systems from under the Closure Turf were performing well. The Posi-Shell areas were being maintained, but being reduced in area covered. The previously hydro-seeded areas of Cell CC-3A, CC-3B and County bowl had died during the summer heat. The perimeter landfill road was improved using recycled concrete and asphalt. Dust was not being generated by use of this road. The dirt section of the main access road to Cell CC-4 Parts 1 and 2 had areas near the Cell CC-3B top deck and Cell CC-3A slopes that water was not controlling disposal truck-generated dust emissions. There was no road soil binder being applied.

M-4.1.1 (7) (City)

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

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

M-4.1.6 / 18 (City)

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

Current Status/Comments – The landfill perimeter boundary survey PVC marker pipes have been removed in areas where Edison pole grading took place, near the Flare 11 site pad grading and near the Cell CC-4 Part 3 buttress. These boundary markers have not been replaced. All markers should be replaced once the Cell CC-4 Part 3 buttress is completed.

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

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

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

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

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

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

a. Sample Probe Installation: One monitoring probe per 1,000 feet or as identified by South Coast Air Quality Management District (SCAQMD) and/or Local Enforcement Agency (LEA) in the landfill expansion, and one probe per 650 feet or as identified by SCAQMD and/or LEA in the City Inactive landfill along the landfill perimeter, or whichever is more restrictive shall be installed to identify

potential areas of subsurface landfill gas (LFG) migration. These probes shall be monitored to ensure that quantities of LFG beyond regulatory standards do not vent offsite through subsurface soils.
b. Integrated Landfill Surface Sampling: The landfill surface shall be monitored to ensure that the average concentration of total organic compounds over the landfill surface does not exceed SCAQMD's standard of 25 ppm.
c. Ambient Air Samples: 24-hour integrated gas samples and required meteorological data shall be taken to assess any impact the landfill is having on the ambient air quality at the landfill perimeter.
d. Instantaneous Landfill Surface Monitoring: Spot checks on the landfill surface shall be made to determine the maximum concentration of total organic compounds measured as methane, measured at any one point on the surface of the landfill does not exceed the SCAQMD's standard of 500 ppm.
e. Regular Monitoring and Annual Testing: LFG concentrations at perimeter probes, gas collection system headers, the landfill surface, and in ambient air downwind of the landfill shall be monitored once per month or less frequently (but no less than quarterly) as required by the SCAQMD. The LFG collection system shall be adjusted and improved based on quarterly monitoring data and annual stack testing results.

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

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

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

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

In early July, the monitor drove the Granada Hills neighborhood area from 6:45 to 7:30 a.m., and there was a slight background landfill odor. This odor was not constant and the source could not be determined. There were liquid stains on Balboa Boulevard at Woodley Avenue, and they had a waste liquids odor. The Cascades neighborhood had no landfill odors detected. The sewer connection area had no odors detected and was in operation. The Adler tank liquids handling facility was operating and there were no odors detected. Faint intermittent gas odors were detected on the Cell CC-3A top deck coming from the slope and/or top deck of Cell CC-3B.

In late July, the monitor drove the Granada Hills neighborhood areas from 6:30 to 7:00 a.m. There was no landfill odor detected in the neighborhood. The previously detected odor on Balboa Boulevard near Woodley on the July 5th monitoring was gone. A deodorizing cleaner was used by a City sanitation street sweeper on the roadway. There was a strong liquids odor detected on the Cell CC-3A top deck coming from the Cell CC-3B area. Well GW 2086 on the Cell CC-3A top deck was burping gas. The Cell CC-3B top deck had a strong liquid smell at Well GW-2100, and liquids on the ground at Well GW-2098. SCS was working on the Cell CC-3B top deck liquids handling piping. These odors were localized.

In late August, the monitor drove the Granada Hills neighborhood area from 6:15 to 7:00 a.m., and there were no landfill odors detected. A strong localized odor was detected on the Cell CC-3A top deck coming from the Cell CC-3B area below.

In early September, the monitor drove the Granada Hills and adjacent Sylmar neighborhood areas from 6:15 to 7:00 a.m., and there were no landfill odors detected. The liquids handling facility on Old City North had strong localized odors emitting during maintenance work being done by SCS Engineers. These odors were detected on the top deck of Cell CC-3A. Odors were locally contained onsite. The sacrificial liner to the westside drainage channel near the County sage mitigation area was being excavated and replaced. A gas collection horizontal collection system was also being installed to reduce and prevent any gas migration to any perimeter probes.

In late September, the monitor drove the Granada Hills neighborhood and school areas from 6:45 to 7:30 a.m., and there were no landfill odors detected. At Balboa Boulevard and Woodley Avenue, there were liquid stains on the pavement. The monitor walked near the stains and confirmed that there was a garbage odor on the roadway, most likely from local garbage packer trucks. A strong, constant odor was detected coming from the area near gas/liquids wells CTC 763, CLC5 and CTC 625, south of Basin B. Construction crews were tying in a liquids line to a well on the Cell CC-3A top deck. There was an open pit pond with landfill liquids in it. The odor was extremely strong and carried 100-plus feet.

Throughout the 3rd Quarter, the use of Posi-Shell and Closure Turf to seal fill areas with intermediate cover provided enhanced gas recovery and gas-related odor control.

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

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

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

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

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

In the 3rd Quarter, it was observed that surface drainage systems were in place to intercept or divert rainwater away from prior landfill cells and current filling operations. Most of these were temporary systems in active areas, and most conveyance V-ditches were unlined. Extensive grading of slopes and the installation of jute netting and straw wattles have been done throughout the landfill for winterization. The site is prepared for winter rains. The only area not fully ready for rain is in the Cell CC-4 Part 3 buttress area due to active grading that is occurring.

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

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

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

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

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

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

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

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

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

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

Current Status/Comments – In early July, sediment was removed from the terminal basin, except for areas adjacent to the outlet risers. Vegetation was growing in the sediment with birds being

present. Sediment was observed in the terminal basin's outlet channel. Basin B was dry and free of sediment.

In late July, sediment in the terminal basin was drying and had two to three-foot-high vegetation. Numerous birds were observed in the brush. Vegetation was growing in the basin's concrete walls. Basin A was clean and dry.

In late August, a dirt berm was constructed at the terminal basin's inlet. Ponding was six inches or deeper. Water was coming from the westside drainage channel. Sediment was being moved into piles to dry before moving to the site stockpile. A large amount of wet sediment was drying near the outlet risers.

In late September, the terminal basin inlet was blocked by an earthen berm. There was approximately six inches of ponding water. Sediment was removed from the basin except for areas adjacent to the outlet risers.

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

Surface Water 2.15 (County)
Surface Water Preventive Maintenance Program
A preventive maintenance program will be implemented by the permittee, including inspection of facility equipment, systems, and stormwater management devices to detect conditions that may cause breakdowns or failures resulting in discharge of materials into stormwater. This program applies to the onsite drainage ditches, rip-rap, berms and dikes, dust control, silt fences, diversion grading, and pavement surfaces. Each system and piece of equipment will be inspected monthly.
Procedures for inspection would vary based on the piece of equipment or system. However, the major elements of the inspection program will include checking for cracks or structural failures, inspecting parts or pieces of equipment nonfunctioning, checking for the degradation or deterioration of operating units, and investigating the need for cleaning or emptying units.

Current Status/Comments – A preventative maintenance program with inspection of facility equipment, systems and storm water management devices to detect conditions that may cause breakdowns or failures resulting in discharge of materials into stormwater should be performed on a monthly basis, with a summary report issued on a quarterly basis. These reports should be available for agency and monitor review.

In early July, the deep erosion rills along the north side of the concrete westside drainage into the terminal basin had not been repaired. The terminal basin inlet was blocked by an earthen berm. There was approximately six inches of ponding water. There was a significant amount of ponding

water in the terminal basin, a couple feet deep at the outlet risers. Water continued to flow in from the underdrain system. The alluvial water cut-off wall pumps were not properly operating. Vegetation was growing in the terminal basin's side wall. The Basin B outlet risers rock was not cleaned of sediment.

In late July, the terminal basin had minimal ponding of water at the outlet risers. The alluvial cutoff wall pump system was operational and no alluvial water was flowing into the basin. Vegetation was growing in the basin's concrete walls. The Basin A and Basin B outlet riser rock was not cleaned.

In late August, the eastside channel had a significant amount of sediment and gabion rock that needed to be removed. The channel south of Basin B had portions of the wall cracking and spalling. The Basin B outlet riser rock was not cleaned.

In early September, Basin B was free of sediment and the outlet riser rock was cleaned. The eastside drainage channel concrete walls south of Basin B were repaired. Gabion rock and debris was blocking portions of the channel and needed to be removed. The Basin D westside high flow drain had concrete cracks and wall soil erosion. Basin A was dry and free of sediment. The riser rock was removed and being cleaned.

In late September, Basin A outlet riser rock was cleaned. Basin D high flow outlet to the westside channel had cracks in the concrete and the wall's support soil was eroded away.

M-4.3.2(50) (City)
The LCRS shall be installed at the base and side slopes of the landfill. This system shall be designed and installed to collect generated leachate for disposal consistent with LARWQCB requirements. The collection system shall consist of a filter rock blanket embedded with a system of collection pipes or a blanket embedded with a system of collection pipes or geosynthetic alternative that collects and transports the fluid to a holding tank. In accordance with RCRA, Subtitle D, 40 CFR, Part 258, the collection systems shall be designed to limit the hydraulic head on the liner to less than 12 inches. Collection pipes shall be sized and spaced to reduce the hydraulic head in the leachate collection system as specified in WDRs. Leachate shall be recovered and treated onsite. The treated leachate shall be sampled prior to discharge from the holding tank in accordance with the WDRs to determine suitability for reuse onsite per LAWRQCB requirements. Summary results of this sampling shall be disseminated in the newsletter with more detailed reporting on the website and in the Annual Report.

Current Status/Comments – The Old City North top deck has a tank farm of 16 Alder storage tanks for processing recovered leachate, with a double-walled pipeline to the sewer connect at the entrance near San Fernando Road. This system operated with no odor detected at the tank farm or sewer connection.

M-4.4.1(60) (City)
Venturan Coastal Sage Scrub
A detailed conceptual mitigation plan shall be prepared by the project proponent and contain specific information on planting, maintenance, and monitoring. A revegetation plan that includes Coastal sage scrub restoration can feasibly occur onsite. The implementation of this plan will provide onsite mitigation greater than 1:1 to offset the loss of coastal sage scrub.

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

Current Status/Comments – In early July, the City Deck C sage mitigation area was going through summer die-back. The City Deck B sage mitigation area was ready for fall planting.

In late July, City Deck C sage mitigation was going through the hot summer die-back phase. The City Deck B sage mitigation area was ready for fall planting. No change since July 5th.

In late August, City Deck C sage mitigation area was going through summer die-back. City Deck B sage mitigation area was ready for fall planting and in-place soils were being treated and watered to adjust the acidity.

In late September, City Deck B sage mitigation area appeared to be ready for winter planting. The soil was being tested to check the current acidity. City Deck C sage mitigation area was doing well and appeared to be maintained. The PM-10 berm oak trees needed attention and possible watering. There were numerous trees that got burnt in the 115-degree days this summer.

M-4.4.3/72 (City)
Native tree species shall be replaced at a 2:1 (replacement: removal) ratio, consisting of 15-gallon or 5:1 3-gallong container trees. Mitigation trees shall be planted prior to impacted trees being removed, thus allowing tress to grow to specimen size in the field. A specimen-size tree shall be defined as a 15-gallon tree with a minimum trunk caliper of 1-inch measure 1 foot above ground. All mitigation trees shall be specimen size within 1 year after tree removal.

Biota - 4.10 (County)
The permittee shall comply with all terms and Conditions of Oak Tree Permit No. 86-312-(5). The permittee is authorized to remove oak trees within the project areas as necessary to conduct landfill operations authorized by this grant and subject to the requirements of Part VII of the Implementation and Monitoring Program attached to Oak Tree Permit 86-312-(5). Prior to approving any excavation of more than five acres containing significant stands of oak and/or Douglas fir trees, the Director of Public Works shall confer with the Los Angeles County Forester and Fire Warden.

Current Status/Comments – During the 3rd Quarter, the majority of the Big Cone Fir mitigation trees were doing well and had significant growth. The contract tree maintenance crew stated that due to a lack of water, approximately 15 Big Cone Fir trees died. An updated mitigation tree report should show this tree loss, the number of trees removed for the Cell CC-4 Part 3 buttress construction, and the number of mitigation trees required to be planted.

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

Current Status/Comments – During the 3rd Quarter, the Draft MND Addendum and Draft Ordinance were being reviewed by the City of Los Angeles agencies involved in the proposed wetlands and riparian mitigation project.

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

Current Status/Comments – In early July, Sierra Highway near the I-14 Freeway overpass had illegal dumping of four tires, a bookcase, couch, mattress, litter and miscellaneous trash.

In late July, Sierra Highway near the I-14 Freeway overpass did not have the tires, bookcase, couch, mattress, litter and miscellaneous trash cleaned up that was observed on the July 5th site monitoring.

In August and September, monitored areas that are patrolled and cleaned-up by Republic were free of windblown litter and illegal dumping.

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

Current Status/Comments – Throughout the 3rd Quarter of 2018, the south oil field gate and north perimeter gate were observed to be locked.

M-4.19.2(191) (City)
Prior to the commencement of initial earth excavation, specific sections of the City/County Landfill Project area shall be resurveyed as a precautionary measure to minimize potential loss of undiscovered paleontological resources. Specific sections of the project area to be resurveyed shall be as determined by the intended cut-and-fill areas proposed for landfill development. As new areas for excavation are identified by the project proponent, an evaluation of those areas shall be made based on the prior survey results and consultation with appropriate technical specialists.

Ecological Significance 62 (County)
The Permittee shall develop and implement a program to identify and conserve all significant archaeological and paleontological materials found onsite pursuant to Part VII of the IMP. If the Permittee finds any evidence of aboriginal habitation or fossils during earthmoving activities, Landfill operations shall immediately cease in that immediate area, and the evidence and area shall be preserved until a qualified archaeologist or paleontologist, as appropriate, makes a determination as to the significance of the evidence. If the determination indicates that the archaeological or

paleontological resources are significant, the resources shall be recovered to the extent practicable prior to resuming Landfill operations in that immediate area of the Landfill.

Current Status/Comments – Throughout the 3rd Quarter of 2018, the paleontologist was monitoring grading activities in and adjacent to Cell CC-4 Part 3 buttress construction when grading occurred in native, undisturbed areas.

Summary of Requested Documents

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

a) Current Fill Sequence Plan.

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

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

d) The current erosion control plans.

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

f) A plan/ report of the liner interceptor ditches design/ installation to ensure that surface runoff is appropriately conveyed to the existing flood control channel directly east of the project site entrance.

g) Comprehensive geotechnical reports.

h) A preventative maintenance plan and summary of monitoring reports of inspections of facility equipment, systems and stormwater management devices to detect conditions that may cause breakdowns or failures resulting in discharge of materials into stormwater.

Conclusions

In this reporting period, UltraSystems has monitored the conditions and/or mitigation measures for the City and County, as shown on the Mitigation Monitoring Summary spreadsheets.

As shown by the Non-Compliant and Further Review Needed sections above, the landfill is actively working toward being fully compliant with conditions and/or mitigation measures, with no non-compliant conditions observed, as Republic was in the engineering, planning, or implementation phases of each. Furthermore, monitoring of the tasks on these Mitigation Monitoring Summary spreadsheets tracks progress toward being fully compliant. Notwithstanding the above, air quality issues are not being actively monitored by UltraSystems, and may not be compliant.

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

Sunshine Canyon Landfill City Mitigation Monitoring Summary
(07-01-2018 through 09-30-2018)

Line #	Reference #	Mitigation #	City Mitigation Measures and Conditions Monitored by Discipline	Monitoring Frequency	Second Quarter 2018																Third Quarter 2018																							
					4/24/2018	Status*	Further Review Needed/Comments**	Resolved*	5/10/2018	Status*	Further Review Needed/Comments**	Resolved*	5/22/2018	Status*	Further Review Needed/Comments**	Resolved*	6/12/2018	Status*	Further Review Needed/Comments**	Resolved*	7/5/2018	Status*	Further Review Needed/Comments**	Resolved*	7/24/2018	Status*	Further Review Needed/Comments**	Resolved*	8/29/2018	Status*	Further Review Needed/Comments**	Resolved*	9/12/2018	Status*	Further Review Needed/Comments**	Resolved*	9/25/2018	Status*	Further Review Needed/Comments**	Resolved*
1	Project Manager																																									
2																																										
3																																										
4	Q - A.3.		Definitions	info	/				/				/				/				/				/				/				/				/			
5	Q - A.6.		Submit Annual Reports	June yearly	/				/				/				/				/				/				/				/				/			
6	Q - A.10.		Provision of Fees	yearly	/				/				/				/				/				/				/				/				/			
7	Q - B.1.		Permitted/Prohibited Landfill Uses	yearly	/				/				/				/				/				/				/				/				/			
8	Q - B.2		Approval of Landfill	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
9	Q - B.2.c.		Ancillary Uses and Facilities	ongoing	✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-m		✓	FRN	I-n	
10			Ancillary Uses and Facilities																																							
11	Q - B.2.d (3)		10 Year Phase Review	2015	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
12			10 Year Phase Review																																							
13	Q - B.4.d.		Inert/Exempt Materials	info	/				/				/				/				/				/				/				/				/			
14	Q - B.5.a.		Prohibited Waste	info	/				/				/				/				/				/				/				/				/			
15	Q - B.6.		Waste Diversion	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
16	Q - C.3.g.		Paved Access Roads	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
17	Q - C.3.h.		Surfacing of Access Roads	ongoing	✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-m		✓	FRN	I-n	
18	Q - C.5.		Graffiti Removal and Deterrence	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
19	Q - C.10.c.		Evaluation of Beneficial Gas Usage	June yearly	✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-m		✓	FRN	I-n	
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-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-m		✓	FRN	I-n	
27	T - 5.j.		Trip Diversion	status	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
28	T - 6		Satisfactory Street Lighting	status	/				/				/				/				/				/				/				/				/			

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

Sunshine Canyon Landfill City Mitigation Monitoring Summary
(07-01-2018 through 09-30-2018)

					Second Quarter 2018																Third Quarter 2018																			
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29																																								
30	M - 4.1.1	7	Reabandonment Procedures	status	✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-m		✓	FRN	I-n	
31	M - 4.1.4	11	Post-5.0 Earthquake Analysis	upon event	/	NA	NONE		/	NA	NONE		✓	FRN	I-h		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
32	M - 4.2.12	27	Heavy Equipment Operations	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
33	M - 4.2.12		Heavy Equipment Operations	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
34	M - 4.2.12	28	Site Erosion-Cover	ongoing	✓	C	I-f		✓	C	I-g		✓	C	I-h		✓	C	I-i		✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-m		✓	C	I-n	
35	M - 4.2.12		Site Erosion-Cell Height	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
36	M - 4.2.12		Site Erosion-Sealant	ongoing	✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-m		✓	FRN	I-n	
37	M - 4.2.13	29	LFG Control Measures	ongoing	/		I-f		/		I-g		/		I-h		/		I-i		/		I-j		/		I-k		/		I-l		/		I-m		/		I-n	
38	M - 4.2.13	30	Operational Odor Control Techniques	ongoing	/		I-f		/		I-g		/		I-h		/		I-i		/		I-j		/		I-k		/		I-l		/		I-m		/		I-n	
39	M - 4.2.13	31	Solid Waste Compaction	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
40	M - 4.2.13	32	LFG Collection and Recovery System	ongoing	/		I-f		/		I-g		/		I-h		/		I-i		/		I-j		/		I-k		/		I-l		/		I-m		/		I-n	
41	M - 4.2.13	33	Odor Control Measures	ongoing	✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-m		✓	FRN	I-n	
42	M - 4.2.13	34	Odor/LFG Monitoring	ongoing	/		I-f		/		I-g		/		I-h		/		I-i		/		I-j		/		I-k		/		I-l		✓	FRN	I-m		/		I-n	
43			Periodic LFG Monitoring		/		I-f		/		I-g		/		I-h		/		I-i		/		I-j		/		I-k		/		I-l		/		I-m		/		I-n	
44	M - 4.3.2	52	LFG Migration Mitigation	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
45	M - 4.3.2	57	Dust Control Water	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
46	M - 4.4.2	69	Offsite Mitigation Sites	status	✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-m		✓	FRN	I-n	
47	M - 4.4.2	70	Purchasing Wetland Credit	status	/				/				/				/				/				/				/				/				/			
48	M - 4.4.2	71	Funding-Invasive Species Eradication Program	status	/				/				/				/				/				/				/				/				/			
49	M - 4.6	85	Site Lighting	status	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
50	M - 4.7.1	86	Open Space Buffer Area	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
51	M - 4.9.3	106	Litter Minimization	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
52	M - 4.9.3	107	Litter/Debris Containment	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
53	M - 4.9.3	108	Vehicle Tarping Requirements	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
54	M - 4.9.3	109	Periodic Offsite Litter Pickup	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
55	M - 4.9.3	110	Illegal Dumping Activities	ongoing	✓	C	NONE		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k													
56	M - 4.9.3	111	Radio Dispatch Litter Control	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	

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57	M - 4.9.3	112	Litter Control	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
58	M - 4.9.5	127	Address Concerns of Citizens' Advisory Committee	ongoing	/				/				/				/				/				/				/				/				/			
59	M - 4.9.6	128	Landfill Gas/Collection System-Unsafe Methane Levels Monitoring	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
60	M - 4.9.6	129	Landfill Gas/Collection System-Detection/Training	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
61	M - 4.9.6	130	Landfill Gas/Collection System-Risk Mitigation	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
62	M - 4.16.4	176	Reclaimed Water	status	/				/				/				/				/				/				/				/				/			
63	M - 4.16.4	177	Water Conservation	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
64																																								
82	Civil & Geotechnical Engineer																																							
83																																								
84																																								
85	M - 4.1.1	2	Grading Outside of Conceptual Grading Plan Area	ongoing	✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-m		✓	FRN	I-n	
86	M - 4.1.1	3	Unsuitable Material Removal/Buffer Zones	ongoing																																				
87	M - 4.1.1	4	Grading Outside of Landfill Footprint	ongoing	✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-m		✓	FRN	I-n	
88	M - 4.1.1	5	Grading Activity Compliance	ongoing	✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-m		✓	FRN	I-n	
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		✓	FRN	I-h		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
93	M - 4.1.5	12	Geologic Hazards - Liquefaction	ongoing	✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-m		✓	FRN	I-n	
94	M - 4.1.5	13	Design/Construction-Liquefaction	ongoing																																				
95	M - 4.1.5	14	Design/Construction-Containment Structures	ongoing																																				
96	M - 4.1.6	15	Refuse Slope Gradients	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
97	M - 4.1.6	16	Cut and Fill Slope Gradients	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
98	M - 4.1.6	17	Final Slope Factors of Safety	ongoing																																				
99	M - 4.1.6	18	Survey Monuments	ongoing	✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-m		✓	FRN	I-n	
100	M - 4.3.2	47	Landfill Liner	ongoing																																				
101	M - 4.3.2	48	Landfill Liner	ongoing																																				

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

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

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

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

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

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

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33	Alternative Fuel Vehicles - 77.F	77.F	Alternative Fuel Vehicles-Non-diesel Truck Trip Requirements	status																																			
34	Alternative Fuel Vehicles - 77.G	77.G	Alternative Fuel Vehicles-Clean Fuel Demo Program	status																																			
35	Alternative Fuel Vehicles - 77.H	77.H	Alternative Fuel Vehicles-Compliance Evaluation	status																																			
36	Air Quality Monitoring - 81	81	Air Quality Monitoring-Testing	ongoing	/				/				/				/				/				/				/				/				/			
37			Air Quality Monitoring-Testing																																					
38	IMP - Part I.A	IMP1	Air Quality Monitoring-Testing	ongoing	/				/				/				/				/				/				/				/				/			
39			Air Quality Monitoring-Testing																																					
40	IMP - Part VI	IMP6	Air Quality Monitoring-Testing	ongoing	/				/				/				/				/				/				/				/				/			
41																																								
42	MMRS-12/01/06		Mitigation Monitoring and Reporting Summary	info	/				/				/				/				/				/				/				/				/			
43			Permits																																					
44	Geology - 1.15		Permittee's On-site Solid Waste Recovery and Recycling Program	status	/				/				/				/				/				/				/				/				/			
45	Surface Water - 2.09		SWRCB Permit Coverage	ongoing	/				/				/				/				/				/				/				/				/			
46	Surface Water - 2.15		Surface Water Preventive Maintenance Program	ongoing	✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-m		✓	FRN	I-n	
47	Groundwater - 3.13		Groundwater-LFG Migration Mitigation	ongoing																																			
48	Groundwater - 3.14		Groundwater-Monitoring Wells	ongoing																																			
49	BIOTA – 4.05		Annual Fee Submission for SEA Studies	status	/				/				/				/				/				/				/				/				/			
50	BIOTA – 4.06		Buffer Zone Maintenance as Nature Preserve	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
51	BIOTA – 4.07		Buffer Zone Maintenance-Vegetation	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
52	BIOTA – 4.08		Ridgeline Maintenance-Remain Undisturbed	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
53	BIOTA – 4.47		Cleaning of Equipment	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
54	BIOTA – 4.48		Monitoring of Vector-Attracting Items	ongoing																																			
55	BIOTA – 4.49		Salvaged Material Storage-Vector Control	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
56	BIOTA – 4.50		Vector Activity Monitoring	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
57	Air Quality - 6.03		Dust Emission Minimization	ongoing	✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-m		✓	FRN	I-n	
58	Air Quality - 6.04		Usage of Cut Material for Cover	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
59	Air Quality - 6.05		Operations in Accordance with SCAQMD/DOPW Requirements	info	/				/				/				/				/				/				/				/				/			
60	Air Quality - 6.06		Landfill Gas Control/Extraction System/Monitoring	ongoing	/				/				/				/				/				/				/				/				/			
61	Air Quality - 6.07		Flaring Systems	info	/				/				/				/				/				/				/				/				/			
62	Air Quality - 6.08		Management of Truck Arrivals	ongoing																																			
63	Air Quality - 6.10		Refuse Truck Mitigation	status																																			
64	Air Quality - 6.11		Light Duty Alternative Fuel Vehicles	status	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	

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65	Air Quality - 6.11		Alternative Fuel Refuse Collection/Transfer Trucks	status																																			
66	Air Quality - 6.11		Alternative Fuel Vehicle Report Submission	status																																			
67	Air Quality - 6.11		Heavy-duty, Alternative Fuel Off-Road Equipment Pilot Program	status																																			
68	Air Quality - 6.11		Non-Diesel, Alternative Fuel Vehicles-Transfer/Collection Trucks	status																																			
69	Air Quality - 6.11		Non-Diesel, Alternative Fuel Vehicles Truck Trips	status																																			
70	Air Quality - 6.11		Clean Fuel Demonstration Program	status																																			
71	Air Quality - 6.11		Compliance Evaluation	status																																			
72	Odor/Landfill Gas – 7.01		Landfill Gas Escape Prevention	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
73	Odor/Landfill Gas – 7.02		Landfill Gas Collection System	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
74	Odor/Landfill Gas – 7.04		Gas Collection/Flare System Risk Mitigation	ongoing																																			
75	Odor/Landfill Gas – 7.05		Wellhead Awareness	status	✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h	R	✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	R	✓	FRN	I-m		✓	FRN	I-n	
76	Odor/Landfill Gas – 7.06		Odor Control Measures	ongoing	✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h	R	✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	R	✓	FRN	I-m		✓	FRN	I-n	
77	Odor/Landfill Gas – 7.07		Gas Recovery and Sale	status	✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h	R	✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l	R	✓	FRN	I-m		✓	FRN	I-n	
78	Traffic/Circulation – 8.03		Street Light Installation	status	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
79	Traffic/Circulation – 8.04		Truck Traffic Minimization	status																																			
80	Traffic/Circulation – 8.08		Tipping Fees for Partial Loads/Peak Hours	status																																			
81	Traffic/Circulation – 8.10		Nighttime Landfill Operations Feasibility	status	/				/				/				/				/				/				/				/				/			
82	Traffic/Circulation – 8.11		Parking Management along San Fernando Road	status	/				/				/				/				/				/				/				/				/			
83	Traffic/Circulation – 8.13		Adequate Queuing	status																																			
84	Visual – 10.03		Landfill Flare Locations	status	/				/				/				/				/				/				/				/				/			
85	Visual – 10.04		Confinement of Excavation Cover Material	status																																			
86	Visual – 10.05		Lighting Requirements	status																																			
87	Visual – 10.11		Litter Control Program	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
88	Visual – 10.11		Solid Waste Load Procedures-Improperly Covered/Contained	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
89	Visual – 10.11		Debris Removal at Entrance	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
90	Visual – 10.11		Litter Control-Fencing	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
91	Visual – 10.11		Periodic Litter Pickup	ongoing	✓	C	NONE		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	C	NONE		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-m		✓	FRN	I-n	
92	Visual – 10.11		Litter Control-Additional Measures	ongoing																																			
93	Visual – 10.12		Discharge Control/Litter Recovery	status																																			
94	Water Conserv. - 11.01		Water Conservation	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
95	Recycling - 14.01		On-site Waste Diversion/Recycling	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
96	Recycling - 14.03		Tonnage Disposal Determination	info	/				/				/				/				/				/				/				/				/			

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

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148	Visual – 10.02		Final Fill Elevations	ongoing	✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-m		✓	FRN	I-n	
149																																								
150	Hydrologist																																							
151																																								
152																																								
153	Grading & Drainage - 38	38	Installation of Drainage Structures	ongoing																																				
154																																								
155	Geology - 1.17		Landfill Design/Construction-Seismic	ongoing																																				
156	Surface Water - 2.01		Surface Water Runoff Interception	ongoing																																				
157	Surface Water - 2.02		Surface Water Runoff Collection	ongoing																																				
158	Surface Water - 2.03		Surface Drainage Control-Maintenance	ongoing	✓	C	I-f		✓	C	I-g		✓	C	I-h		✓	C	I-i		✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-m		✓	C	I-n	
159	Surface Water - 2-04		Sedimentation Basin Capabilities	ongoing																																				
160	Surface Water - 2.05		Underdrain Placement	ongoing																																				
161	Surface Water - 2.07		Drainage Control System Design Approval	ongoing																																				
162	Surface Water - 2.08		Surface Water Runoff-Drainage System	ongoing																																				
163	Surface Water - 2.10		Surface Water Collection System-Monitoring	ongoing	✓	C	I-f		✓	C	I-g		✓	C	I-h		✓	C	I-i		✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-m		✓	C	I-n	
164	Surface Water - 2.11		Surface Water Quality-Collection/Monitoring	ongoing																																				
165	Surface Water - 2.12		Permanent/Temporary Drainage Facilities	ongoing	✓	C	I-f		✓	C	I-g		✓	C	I-h		✓	C	I-i		✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-m		✓	C	I-n	
166	Surface Water - 2.13		Permanent/Temporary Drainage Facilities	ongoing																																				
167	Surface Water - 2.14		Erosion Control Plan	ongoing	✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-m		✓	FRN	I-n	
168	Groundwater - 3.03		Interception of Groundwater Seepage	ongoing																																				
169	Groundwater - 3.06		Monitoring Wells	ongoing																																				
170																																								
171	Biologist																																							
172																																								
173																																								
174	Revegetation - 44	44	Revegetation/Cover Requirements	ongoing																																				
175	Revegetation - 44.A	44.A	Temporary Hydroseed Vegetation	ongoing	✓	C	I-f		✓	C	I-g		✓	C	I-h		✓	C	I-i		✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-m		✓	C	I-n	
176	Revegetation - 44.B	44.B	Interim Reclamation/Revegetation Plan-Sold Waste	ongoing																																				
177	Revegetation - 44.D	44.D	Final Fill Slope Requirements	ongoing																																				
178	Revegetation - 44.E	44.E		ongoing																																				
179																																								
180	Geology - 1.13		Drainage Plan Approval	ongoing	✓	C	I-f		✓	C	I-g		✓	C	I-h		✓	C	I-i		✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-m		✓	C	I-n	
181	Geology - 1.14		Personnel Retention for Monitoring Soil Erosion	ongoing	✓	C	I-f		✓	C	I-g		✓	C	I-h		✓	C	I-i		✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-m		✓	C	I-n	
182	Groundwater - 3.11		Irrigation/Revegetation Management-Personnel Retention	ongoing																																				

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					4/24/2018	Status*	Further Review Needed/Comments**	Resolved*	5/10/2018	Status*	Further Review Needed/Comments**	Resolved*	5/22/2018	Status*	Further Review Needed/Comments**	Resolved*	6/12/2018	Status*	Further Review Needed/Comments**	Resolved*	7/5/2018	Status*	Further Review Needed/Comments**	Resolved*	7/24/2018	Status*	Further Review Needed/Comments**	Resolved*	8/29/2018	Status*	Further Review Needed/Comments**	Resolved*	9/12/2018	Status*	Further Review Needed/Comments**	Resolved*	9/25/2018	Status*	Further Review Needed/Comments**	Resolved*
183	BIOTA – 4.10		Oak Tree Permit	ongoing	✓	C	I-f		✓	C	I-g		✓	C	I-h		✓	C	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-m		✓	FRN	I-n	
184	BIOTA – 4.11		Oak Tree Mitigation Plan	ongoing	✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-m		✓	FRN	I-n	
185	BIOTA – 4.13		Oak Tree Mitigation Counting	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
186	BIOTA – 4.20		Poultry Wire Screen	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
187	BIOTA – 4.24		Drip Irrigation	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
188	BIOTA – 4.27		Coastal Sage Scrub Mitigation Plan	ongoing	✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-m		✓	FRN	I-n	
189	BIOTA – 4.28		Coastal Sage Scrub Seeding	ongoing																																		
190	BIOTA – 4.29		San Diego Horned Lizard Mitigation	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
191	BIOTA – 4.30		California Gnatcatcher Surveys	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
192	BIOTA – 4.31		Least Bell's Vireo Surveys	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
193	BIOTA – 4.32		Western Burrowing Owl Surveys	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
194	BIOTA – 4.33		Migratory Bird Treaty Act	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
195	BIOTA – 4.34		Raptor Nests Habitat	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
196	BIOTA – 4.36		Personnel Retention for Monitoring Revegetation Plan	ongoing																																		
197	BIOTA – 4.37		Personnel Retention for Monitoring Revegetation Plan, Onsite Plants	status																																		
198	BIOTA – 4.38		Green Waste Material	ongoing																																		
199	BIOTA – 4.39		Revegetation of Slopes/Fill Areas	ongoing																																		
200	BIOTA – 4.41		Revegetation Plan-Replacement Cover	ongoing																																		
201	BIOTA – 4.42		Interim Vegetation	ongoing	✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-m		✓	C	I-n	
202	BIOTA – 4.43		Replacement Riparian Habitat	status	✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-m		✓	FRN	I-n	
203	Air Quality - 6.02		Dust Control	ongoing	✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-m		✓	FRN	I-n	
204	Visual – 10.06		Upper Ridge Planting/Revegetation	ongoing																																		
205	Visual – 10.07		Tree Planting Around Perimeter	ongoing																																		
206	Visual – 10.08		Cover/Revegetation Requirements	ongoing	✓	C	I-f		✓	C	I-g		✓	C	I-h		✓	C	I-i		✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-m		✓	C	I-n	
207	Visual – 10.08		Solid Waste Disposal Procedures	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
208	Visual – 10.08		Final Cut Slope Steepness	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
209	Visual – 10.08		Final Fill Slopes-Reclamation/Revegetation	status																																		
210	Visual – 10.08		Revegetation Requirements	status	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
211	Visual – 10.09		Final Cover Composition Requirements	ongoing																																		
212	Visual – 10.10		Buffer Zone Maintenance	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
213	Water Conservation - 11.02		Plant Species	ongoing																																		
214	Fire Service - 12.01		Brush Clearance Measures	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
215																																						

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216	Air Quality & Noise Specialist																																						
217																																							
218																																							
219	Fugitive Dust - 45.F	45.F	Fugitive Dust Monitoring	ongoing	✓	C	I-f		✓	C	I-g		✓	C	I-h		✓	C	I-i		✓	FRN	I-j		✓	FRN	I-k		✓	FRN	I-l		✓	FRN	I-m		✓	FRN	I-n	
220	Fugitive Dust - 45.I	45.I	Paved Roads-Cleaning	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
221	Fugitive Dust - 45.N	45.N	Report Submission-Dust/Odor	every quarter																																			
222	Air Quality Monitoring - 81	81	Air Quality Monitoring-Tests	ongoing																																			
223																																							
224																																							
225	Air Quality – 6.01		Fugitive Dust Aversion	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
226	Air Quality – 6.01		Working Face Requirements	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
227	Air Quality – 6.01		Erosion Control-Daily Cover	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
228	Air Quality – 6.01		Soil Stockpile Requirements	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
229	Air Quality – 6.01		Active Area Fill	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
230	Air Quality – 6.01		Soil Sealant	ongoing																																			
231	Air Quality – 6.01		Dust Emissions-Road Maintenance	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
232	Air Quality – 6.01		Access Roads-Paving	ongoing	✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
233	Air Quality – 6.01		Dust Generation-Dumping	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
234	Air Quality – 6.01		Water Tanks/Piping Maintenance	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
235	Air Quality – 6.01		Wind Speed Monitoring	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
236	Air Quality – 6.01		Report Submission-Dust/Odor	every quarter	/				/				/				/				/				/				/				/				/			
237	Odor/Landfill Gas – 7.03		Odor/Landfill Gas Monitoring Program	ongoing	/				/				/				/				/				/				/				/				/			
238	Odor/Landfill Gas – 7.03		Landfill Surface Sampling	ongoing	/				/				/				/				/				/				/				/				/			
239	Odor/Landfill Gas – 7.03		Landfill Perimeter Air Samples	ongoing	/				/				/				/				/				/				/				/				/			
240	Odor/Landfill Gas – 7.03		Landfill Surface Monitoring	ongoing	/				/				/				/				/				/				/				/				/			
241	Odor/Landfill Gas – 7.03		LFG Collection System Monitoring	ongoing	/				/				/				/				/				/				/				/				/			
242	Noise – 9.01		Landfill Access/Operation	info	/				/				/				/				/				/				/				/				/			
243	Noise – 9.03		Landfill Equipment-Mufflers/Silencers	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
244	Admin Rpts/ Pgms-17.16		Air Quality Monitoring-Corrective Action Plan	ongoing	/				/				/				/				/				/				/				/				/			
246																																								

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247	Hydrology, Hazardous Waste / Risk of Upset																																							
248																																								
249																																								
250	IMP - Part IV.E	IMP4	Load Inspection-Random Manual	ongoing																																					
251																																								
252	Groundwater - 3.05		Leachate Collection and Removal System	ongoing																																					
253	Groundwater - 3.15		Underground Diesel Fuel Storage Tanks	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
254	Fire Service - 12.02		On-site Fire Response Capabilities-Operating Equipment	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
255	Fire Service - 12.03		On-site Fire Response Capabilities-Roads/Water	ongoing	✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
256	Fire Service - 12.04		On-site Fuel Storage Tanks-Permit Issuance	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
257	Fire Service - 12.05		Building Limits	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
258	Fire Service - 12.06		Methane Gas Monitoring-On-site Structures	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
259	Hazardous Materials – 13.02		Waste Load Checking Program	ongoing																																					
260	Hazardous Materials – 13.05		Hazardous Waste Disposal	ongoing																																					
261	Hazardous Materials – 13.10		Hazardous Waste-Procedures	ongoing																																					
262	Hazardous Materials – 13.11		Spill Response Program	ongoing																																					
263	Safety - 16.02		Injury and Illness Prevention Program	status																																					
264	Safety - 16.03		Working Conditions-Monitoring	status																																					
265	Safety - 16.04		Inspection Checklist-Work Area Exposure	status																																					
266	Safety - 16.07		Accident/Injury Reports	status																																					
267	Safety - 16.08		First-aid Kits	ongoing																																					
268	Safety - 16.10		Lockout/Blackout Procedures	status																																					
269	Safety - 16.11		Personal Protective Equipment	status																																					
270	Landfill Operation - 18.8		Prohibited Waste Procedures	ongoing																																					
271																																								

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272	Archaeologist																																						
273																																							
274																																							
275	Ecological Significance - 62	62	Archaeological/Paleontological Identification/Conservation Program	ongoing	✓	C	I-f		✓	C	I-g		✓	C	I-h		✓	C	I-i		✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-m		✓	C	I-n	
276	IMP - Part VII.B	IMP7	Archaeological/Paleontological Report Submission	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
277	Archaeological – 5.01		Archaeological Resurvey	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
278	Archaeological – 5.02		Onsite Archaeologist	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
279	Archaeological – 5.03		Onsite Paleontologist	ongoing	✓	C	I-f		✓	C	I-g		✓	C	I-h		✓	C	I-i		✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-m		✓	C	I-n	
280	Archaeological – 5.04		Archaeological/Paleontological Identification Instruction	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
281	Archaeological – 5.05		Archaeological Resource Curation	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
282																																							
283	Paleontologist																																						
284																																							
285																																							
286	Ecological Significance - 62	62	Archaeological/Paleontological -Material Identification/Conservation	ongoing	✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	C	I-j		✓	C	I-k		✓	C	I-l		✓	C	I-m		✓	C	I-n	
287	IMP - Part VII.B	IMP7	Archaeological/Paleontological-Report Submission	ongoing																																				

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Appendix I
Further Review Needed Comments: Reference I-j through I-n
Third Quarter 2018 Site Visits

Discipline	City Condition Reference # / Mitigation #	County Condition Reference #/ Mitigation #	Responsible Agency	Further Review Needed – Comments
Project Manager	Q – B.2.c		City Planning	I-j through I-n: The CC-4 Part 3 buttress grading was occurring during the 3rd Quarter of 2018. The consulting biologist confirmed that there were no nesting birds in early July, and gave clearance for removal of all vegetation in the planned grading area. This grading and buttress construction is the only grading being done outside of the prior-approved landfill footprint. I-j: Excavation was ongoing for the Cell CC-4 Part 3 buttress. A paleontological monitor was onsite observing grading in undisturbed areas. Cell CC-4 Part 1 and Part 2 were accepting waste. No operational issues were noted. I-k: CC-4 Part 3 buttress excavation was underway and seep water was being controlled. A Paleo monitor was observing the excavation. Cell CC-4 Part 1 was accepting waste; Part 2 was inactive. I-l: Excavation was ongoing for the Cell CC-4 Part 3 buttress. A paleontological monitor was observing the excavation. The buttress soils were being stockpiled on the County far north top deck. Cell CC-4 Part 1 was accepting waste; Part 2 was idle. No operating concerns were noted. I-m: The CC-4 Part 3 buttress was nearing completion of the toe excavation. The buttress soils were being stockpiled on the County far north top deck. Excavation at the toe of the slide was proceeding carefully as to not cause an accidental movement of the slide area. A laser and prism movement detection system to monitor the excavation, with action required levels at 1/4", 1/2", and 1" was installed. CC-4 Part 1 was accepting waste; Part 2 was idle. I-n: The excavation of the toe of the slide for the CC-4 Part 3 buttress was nearing completion. CC-4 Part 1 and Part 2 were active accepting waste.
		Geology - 1.07	County DPW EPD/SCL-LEA	I-j through I-n: See Q – B.2.c above.
		Geology - 1.12	County DPW EPD/SCL-LEA	I-j through I-n: See Q – B.2.c above.
	Q - C.3.h		City Planning	I-j through I-n: There are numerous dirt access roads that are used daily, but infrequently. When used, blowing dust is a concern. The use of a soil sealant or limiting the use of dirt roads to those that are watered should be considered. The use of a soil sealant on temporary construction roads should be evaluated. The use of water trucks was not effective in controlling dust on these roads. I-k: Prior to the start of accepting waste, equipment was moving soils in CC-4 Part 1 and Part 2 and CC-3A, causing a sustained large dust plume over the area. No water trucks were operating. There was no water being used to control large dust plumes coming from CC-4 Part 3 buttress soils being moved by scrapers to the County top deck for stockpiling. I-l: Prior to the start of accepting waste, earth moving equipment was working on the top deck of CC-4 Part 1, causing large dust clouds. I-n: The transfer trucks were causing dust clouds on the dirt haul road near the CC-3B top deck.

Discipline	City Condition Reference # / Mitigation #	County Condition Reference #/ Mitigation #	Responsible Agency	Further Review Needed – Comments
Project Manager	Q - C.10.c		City Planning	I-j: The gas-to-energy plant was using 9728 SCFM of recovered landfill gas, 44% CH4, 1.6% O2, 58 ppm H2S. Flare 1: 2262 SCFM; Flare 3: shut down; Flare 9: 2528 SCFM; Flare 10: 2561 SCFM; Flare 11: 2521 SCFM. The total volume of landfill gas being recovered was 19,600 SCFM. I-k: The gas-to-energy plant was using 9670 SCFM of recovered landfill gas, 45% CH4, 1.9% O2, 56 ppm H2S. Flare 1: 2275 SCFM; Flare 3: shut down; Flare 9: 2188 SCFM; Flare 10: 2138 SCFM; Flare 11: 2181 SCFM. The total volume of landfill gas being recovered was 18,452 SCFM. I-l: The gas-to-energy plant was using 9565 SCFM of recovered landfill gas, 46% CH4, 1.6% O2, 58 ppm H2S. The facility was at 100% production. Flare 1: 2235 SCFM; Flare 3: shut down; Flare 9: 3227 SCFM; Flare 10: 3261 SCFM; Flare 11: shut down. The total volume of landfill gas being recovered was 18,448 SCFM. I-m: The gas-to-energy plant was using 9801 SCFM of recovered landfill gas, 45% CH4, 1.5% O2, 61 ppm H2S. The facility was at 100% production. Flare 1: not monitored; Flare 3: shut down; Flare 9: shut down; Flare 10: 3093 SCFM; Flare 11: 2862 SCFM. The total volume of landfill gas being recovered was 16,756 SCFM, not including Flare 1. I-n: The gas-to-energy plant was using 9440 SCFM of recovered landfill gas, 45% CH4, 1.9% O2, 56 ppm H2S. Flare 1: 2146 SCFM; Flare 3: shut down; Flare 9: 2427 SCFM; Flare 10: 2512 SCFM; Flare 11: 2434 SCFM. The total volume of landfill gas being recovered was 18,959 SCFM. I-j through I-n: The quantity of landfill gas being recovered during the 3rd Quarter has averaged 18,443 SCFM, assuming zero volume for Flare 1 which was not monitored in early September, with the gas-to-energy plant usage averaging 9641 SCFM. An expansion of the gas-to-energy plant or different beneficial use facility should be evaluated.
		Odor/Landfill Gas - 7.07	County Planning/SCAQMD SCL-LEA	I-j through I-n: See Q - C.10.c above.
		Gas - 52	County DPW EPD/SCL-LEA County Forester Fire Warden	I-j through I-n: See Q - C.10.c above.
	T-4		City Planning, City Fire Department	I-j through I-n: An updated fire plan showing the new locations of all facilities and emergency egress should be prepared and sent to the local City fire department station and City and County planning when construction of the new operation's facilities currently under construction have been completed. Emergency egress should be posted for employees and customers. It is recommended that the local City fire department station personnel should visit the site and be given the latest facility plot plan showing access roads and facilities.
		Fire Service - 12.03	County DPW EPD/SCL-LEA County Forester Fire Warden	I-j through I-n: See T-4 above.
	M - 4.1.1 / 7		City Planning, DOGGR	I-j through I-n: The two old oil well steel casings in the area north of the landfill offices are located in the CC-4 Part 3 buttress grading area. These wells have been uncovered and marked with orange paint. These wells will need to be re-abandoned after grading has been completed. The old abandoned oil well casing adjacent to the new secondary access road from the Flare 11 site should be checked and reabandoned, if required. None of the wells appear to be leaking oils or gas, nor pose a current hazard.

Discipline	City Condition Reference # / Mitigation #	County Condition Reference #/ Mitigation #	Responsible Agency	Further Review Needed – Comments
Project Manager		Re-abandonment Procedures	County Planning, County DPW EPD/SCL-LEA, DOGGR	I-j through I-n: See M - 4.1.1 / 7 above.
	M - 4.2.12 / 26 and 28		City Planning/SCAQMD	I-j through I-n: During the 3rd Quarter, Closure Turf was functioning well and being maintained. Gas and liquids recovery systems from under the Closure Turf were performing well. The Posi-Shell areas were being maintained, but being reduced in area covered. The previously hydro-seeded areas of CC-3A, CC-3B, and County bowl had died during the summer heat. The perimeter landfill road was improved using recycled concrete and asphalt. Dust was not being generated by use of this road. The dirt section of the main access road to CC-4 Parts 1 and 2 had areas near the CC-3B top deck and CC-3A slopes that water was not controlling disposal truck-generated dust emissions. There was no road soil binder being applied.
		Fugitive Dust - 45.F	County DPH/County LEA County DPW-EPD County Biologist	I-j through I-n: See M - 4.2.12 / 28 above.
	M -4.2.13/ 29, 30, 32, 34		City Planning/SCL-LEA/SCAQMD	I-j through I-n: Compliance with these mitigation measures, concerning landfill gas monitoring and odor control and detection, is being monitored by a multi-agency team led by the SCAQMD. Only obvious gas emission sources, odorous operations related to gas and/or gas and landfill liquids, lack of cover, or exposed trash resulting in odor observed during the monitoring visit are reported.
		Amendment 45.N-4.a, 4.c, 4.d	County DPW-EPD	I-j through I-n: See M -4.2.13/ 29, 30, 32, 34 above.
		Amendment 45.N-5	County DPW-EPD	I-j through I-n: See M -4.2.13/ 29, 30, 32, 34 above.
	M - 4.2.13 / 33		City Planning/SCAQMD	I-j: The monitor drove the Granada Hills neighborhood area from 6:45 to 7:30 a.m. and there was a slight background landfill odor. This odor was not constant and the source could not be determined. There were liquid stains on Balboa Boulevard at Woodley Avenue and they had a waste liquids odor. The Cascades neighborhood had no landfill odors detected. The sewer connection area had no odors detected and was in operation. The Adler tank liquids handling facility was operating and there were no odors detected. Faint intermittent gas odors were detected on the CC-3A top deck coming from the slope and/or top deck of CC-3B. I-k: The monitor drove the Granada Hills neighborhood areas from 6:30 to 7:00 a.m. There was no landfill odor detected in the neighborhood. The previously detected odor on Balboa Boulevard near Woodley on the July 5th monitoring was gone. A deodorizing cleaner was used by a City sanitation street sweeper on the roadway. There was a strong liquids odor detected on the CC-3A top deck coming from the CC-3B area. Well GW 2086 on the CC-3A top deck was burping gas. The CC-3B top deck had a strong liquid smell at GW-2100, and liquids on the ground at GW-2098. SCS was working on the CC-3B top deck liquids handling piping. These odors were localized. I-l: The monitor drove the Granada Hills neighborhood area from 6:15 to 7:00 a.m. and there were no landfill odors detected. A strong localized odor was detected on the CC-3A top deck coming from the CC-3B area below. I-m: The monitor drove the Granada Hills and adjacent Sylmar neighborhood areas from 6:15 to 7:00 a.m. and there were no landfill odors detected. The liquids handling facility on Old City North had strong localized odors emitting during maintenance work being done by SCS Engineers. These odors were detected on the top deck of CC-3A. Odors were locally contained onsite.

Discipline	City Condition Reference # / Mitigation #	County Condition Reference #/ Mitigation #	Responsible Agency	Further Review Needed – Comments
Project Manager	M - 4.2.13 / 34		City Planning/SCAQMD	I-n: The monitor drove the Granada Hills neighborhood and school areas from 6:45 to 7:30 a.m. and there were no landfill odors detected. Drove Balboa Boulevard and at Woodley Avenue, there were liquid stains on the pavement. Walked near the stains and confirmed that there was a garbage odor at the stains, most likely from local garbage packer trucks. A strong, constant odor was detected coming from the area near gas/liquid wells CTC 763, CLC5 and CTC 625, south of Basin B. Construction crews were tying in a liquids line to a well on the CC-3A top deck. There was an open pit pond with landfill liquids in it. The odor was extremely strong and carried 100-plus feet. I-j through I-n: The use of Posi-Shell and Closure Turf to seal fill areas with intermediate cover provided enhanced gas recovery and gas-related odor control. I-m: The sacrificial liner to the westside drainage channel near the County sage mitigation area was being excavated and replaced. A gas collection horizontal collection system was also being installed to reduce and prevent any gas migration to any perimeter probes.
		Odor/Landfill Gas - 7.06	County DPW-EPD/SCL-LEA/SCAQMD	I-j through I-n: See M-4.2.13/33 and 34 above.
		Amendment 45.N - 4.a, 4.c, 4.d	County DPW-EPD	I-j through I-n: See M-4.2.13/29, 30, 32, 33, and 34 above.
		Amendment 45.N - 5	County DPW-EPD	I-j through I-n: See M-4.2.13/29, 30, 32, 33, and 34 above.
		Surface Water - 2.15	County DPW EPD/ LARWQCB, SCL- LEA	I-j through I-n: A preventative maintenance program with inspection of facility equipment, systems, and storm water management devices to detect conditions that may cause breakdowns or failures resulting in discharge of materials into stormwater should be performed on a monthly basis, with a summary report issued on a quarterly basis. These reports should be available for agency and monitor review. I-j: The deep erosion rills along the north side of the concrete westside drainage into the terminal basin have not been repaired. The terminal basin inlet was blocked by an earthen berm. There was approximately six inches of ponding water. There was a significant amount of ponding water in the terminal basin, a couple feet deep at the outlet risers. Water continued to flow in from the underdrain system. The alluvial water cut-off wall pumps were not properly operating. Vegetation was growing in the terminal basin's side wall. The Basin B outlet risers rock was not cleaned of sediment. I-k: The terminal basin had minimal ponding of water at the outlet risers. The alluvial cutoff wall pump system was operational and no alluvial water was flowing into the basin. Vegetation was growing in the basin's concrete walls. The Basin A and Basin B outlet riser rock was not cleaned. I-l: The eastside channel had a significant amount of sediment and gabion rock that needs to be removed. The channel south of Basin B had portions of the wall cracking and spalling. The Basin B outlet riser rock was not cleaned.

Discipline	City Condition Reference # / Mitigation #	County Condition Reference #/ Mitigation #	Responsible Agency	Further Review Needed – Comments
Project Manager				I-m: Basin B was free of sediment and the outlet riser rock was cleaned. The eastside drainage channel concrete walls south of Basin B were repaired. Gabion rock and debris were blocking portions of the channel and needs to be removed. The Basin D westside high flow drain had concrete cracks and wall soil erosion. Basin A was dry and free of sediment. The riser rock was removed and being cleaned. I-n: Basin A outlet riser rock was cleaned. Basin D high flow outlet to the westside channel has cracks in the concrete and the wall's support soil is eroded away.
	M - 4.4.2/ 69		City Planning	I-j through I-n: The Draft MND Addendum and Draft Ordinance are being reviewed by the City of Los Angeles agencies involved in the proposed project.
		Biota - 4.4.3	CDFW	I-j through I-n: See M - 4.4.2 / 69 above.
	M - 4.9.3 / 110		City Planning/City LEA	I-j: Sierra Highway near the I-14 freeway overpass had illegal dumping of four tires, a bookcase, couch, mattress, and litter and miscellaneous trash. I-k: Sierra Highway near the I-14 freeway overpass did not have the tires, bookcase, couch, mattress, and litter and miscellaneous trash cleaned up that was observed on the July 5th site monitoring.

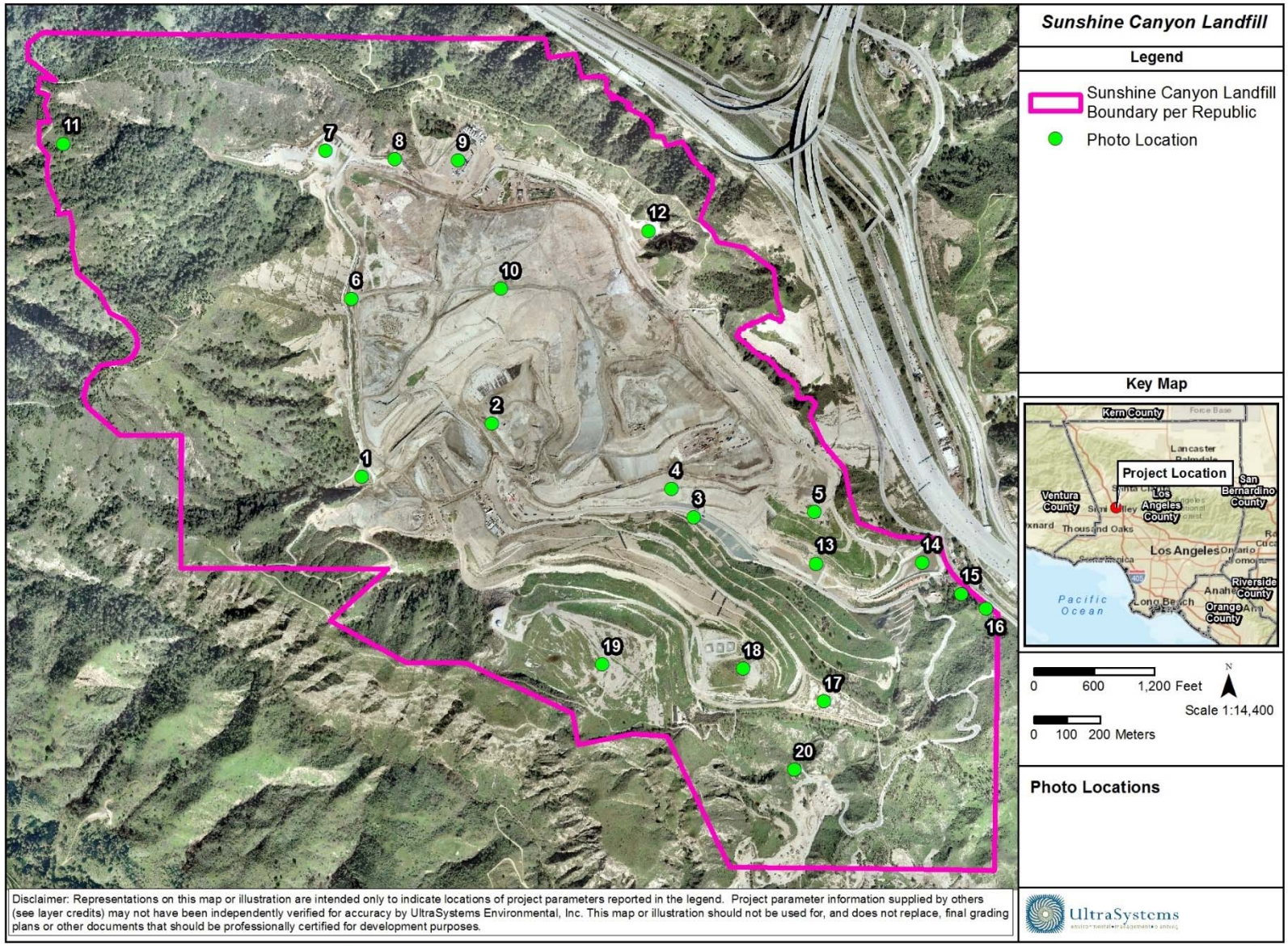
Discipline	City Condition Reference # / Mitigation #	County Condition Reference #/ Mitigation #	Responsible Agency	Further Review Needed – Comments
Civil and Geotechnical Engineer	M - 4.1.1 / 2		City Building and Safety City Planning	I-j through I-n: See M - 4.1.1 / 5 below.
	M - 4.1.1 / 4		City Planning/LARWQCB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

Discipline	City Condition Reference # / Mitigation #	County Condition Reference #/ Mitigation #	Responsible Agency	Further Review Needed – Comments
Hydrologist	M - 4.3.1 / 40		City Planning/ LARWQCB CalRecycle SCL-LEA PW-BOE LADBS	I-j through I-n: See M - 4.3.1/ 37, 38 above.
	M - 4.3.1 / 43		City Planning/ LARWQCB CalRecycle SCL-LEA PW-BOE LADBS	I-j: Sediment was removed from the terminal basin, except for areas adjacent to the outlet risers. Vegetation was growing in the sediment with birds being present. Sediment was observed in the terminal basin's outlet channel. Basin B was dry and free of sediment. I-k: Sediment in the terminal basin was drying and had two to three-feet high vegetation. Numerous birds were observed in the brush. Vegetation was growing in the concrete basin walls. Basin A was clean and dry. I-l: A dirt berm was constructed at the terminal basin's inlet. Ponding was six inches or more deep. Water was coming from the westside drainage channel. Sediment was being moved into piles to dry before moving to the site stockpile. A large amount of wet sediment was drying near the outlet risers. I-n: The terminal basin inlet was blocked by an earthen berm. There was approximately six inches of ponding water. Sediment was removed from the basin except for areas adjacent to the outlet risers.
		Surface Water - 2.10	LARWQCB / County DPW EPD	I-j through I-n: See M - 4.3.1/ 37, 38 and 43 above.
		Surface Water - 2.14	LARWQCB / County DPW EPD	I-j through I-n: See M - 4.3.1 / 37, 38 and 43 above. The current erosion control plans should be available for agency and monitor review.
	M - 4.3.1 / 45		City Planning/ LARWQCB CalRecycle SCL-LEA PW-BOE LADBS	I-j through I-n: Surface Water - 2.14 above.
	M - 4.3.1/ 46		City Planning/ LARWQCB CalRecycle PW-BOE	I-j through I-n: See 2.15 above.
	M - 4.3.2 / 50		City Planning/ LARWQCB CalRecycle SCL-LEA	I-j through I-n: The Old City North top deck has a tank farm of 16 Alder storage tanks for processing recovered leachate with a double wall pipeline to the sewer connect at the entrance near San Fernando Road. This system operated with no odor detected at the tank farm or sewer connection.
Biologist	M - 4.1.1 / 6		City Planning/ LARWQCB CalRecycle SCL-LEA LADBS	I-j through I-n: See M - 4.2.12 / 28 above.
		Geology - 1.14	LARWQCB/ County Forester	I-j through I-n: See M - 4.2.12 / 28 above.
	M - 4.2.11 / 23		City Planning	I-j through I-n: See M - 4.2.12 / 28 above.

Discipline	City Condition Reference # / Mitigation #	County Condition Reference #/ Mitigation #	Responsible Agency	Further Review Needed – Comments
Biologist		Geology - 1.13	County DPW EPD/ County Forester LARWQCB	I-j through I-n: See M - 4.2.12 / 28 above.
	M - 4.2.12		SCL-LEA/ City Planning	I-j through I-n: See M - 4.2.12 / 28 above.
		Revegetation - 44.A	SCL-LEA/ County DPW EPD Regional Planning County Biologist	I-j through I-n: See M - 4.2.12 / 28 above.
		Revegetation - 44.F	SCL-LEA/ County DPW EPD Regional Planning County Biologist	I-j through I-n: See M - 4.2.12 / 28 above.
		Biota - 4.42	SCL-LEA	I-j through I-n: See M - 4.2.12 / 28 above.
		Air Quality - 6.02	SCAQMD/ SCL-LEA	I-j through I-n: See M - 4.2.12 / 28 above.
		Visual - 10.08	County Forester	I-j through I-n: See M - 4.2.12 / 28 above.
	M - 4.4.1 / 60		City Planning	I-j: Deck C sage mitigation area was going through summer die-back. Deck B sage mitigation area was ready for fall planting. I-k: City Deck C sage mitigation was going through the hot summer die-back phase. The City Deck B sage mitigation area was ready for fall planting. No change since July 5th. I-l: Deck C sage mitigation area was going through summer die-back Deck B sage mitigation area was ready for fall planting. I-n: City Deck B sage mitigation area appears to be ready for winter planting. City Deck C sage mitigation area is doing well and appears to be maintained. The PM-10 berm Oak trees need attention and possible watering. There were numerous trees that got burnt in the 115-degree days this summer.
		Biota - 4.27	County LEA/CDFW	I-j through I-n: See M - 4.4.1 / 60 above.
		Biota - 4.10	County LEA/CDFW	I-j through I-n: The majority of the Big Cone Fir mitigation trees were doing well and had significant growth. The contract tree maintenance crew stated that due to a lack of water, approximately 15 Big Cone Fir trees died. An updated mitigation tree report should show this tree loss, the number of trees removed for the CC-4 Part 3 Buttress, and the number of mitigation trees required to be planted. This updated tree report should be included in the year-end site report
	M - 4.4.3 / 72		City Planning	I-j through I-n: See Biota - 4.10 above.
	M - 4.9.4 / 121		City Planning/Cal Recycle Cal OSHA LAFD City LEA	I-j through I-n: See T-4 above.
	M-4.9.4/ 125		City Planning/ CalRecycle Cal OSHA SCL-LEA	I-j through I-n: Throughout the 3rd Quarter of 2018, the south oil field gate and north perimeter gate were observed to be locked.

Discipline	City Condition Reference # / Mitigation #	County Condition Reference #/ Mitigation #	Responsible Agency	Further Review Needed – Comments
Paleontologist	M-4.19.2/ 191		City Planning	I-j through I-n: The paleontologist was monitoring grading activities in and adjacent to Cell CC-4 Part 3 buttress when grading occurred in native, undisturbed areas.
		Ecological Significance 62	County Planning	I-j through I-n: See M-4.19.2/ 191 above.

Appendix II
Relevant Site Photos



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Service Layer Credits: Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community; CAL FIRE, 2007; Republic, March 2017; LA County Assessor, 2016-2017

November 13, 2017

Photo Location Map Key

Map Location	Title	Photo Number
1	Basin A	1 – 28
2	Working Areas, CC-4 Part 1, CC-4 Part 2, and CC-4 Part 3, Buttress Area	29 – 177
3	Closure Turf and Posi-Shell	178 – 205
4	CC-3B and CC-3A	206 – 253
5	Old City North and South	254 – 317
6	County Sage Mitigation and Westside Drainage Channel	318 – 335
7	Basin D	336 – 347
8	Basin D Outlet Channel	348 – 354
9	Flares 9, 10, 11, and Gas-to-Energy Facility	355 – 366
10	County Top Deck	367 – 428
11	Big Cone Fir Mitigation	–
12	Basin B	429 – 471
13	Terminal Basin Inlets	472 – 492
14	Terminal Basin	493 – 581
15	Sewer Lift Station and Graywater Facility	582 - 587
16	Retaining Wall at San Fernando Road	588 – 604
17	City Deck C Sage Mitigation	605 – 615
18	City Deck B Sage Mitigation	616 – 633
19	City Deck A Sage Mitigation	–
20	Southern Ownership Buffer	–
–	Illegal Dumping, Windblown Litter and Offsite Odors	634 – 643
–	General Site	644 – 695

Photo 1: Basin A: July 24, 2018

Photo 2: Basin A: July 24, 2018

Photo 3: Basin A: July 24, 2018

Photo 4: Basin A: July 24, 2018

Photo 5: Basin A: August 29, 2018

Photo 6: Basin A: August 29, 2018

Photo 7: Basin A Windblown Litter: August 29, 2018

Photo 8: Basin A Windblown Litter: August 29, 2018

Photo 9: Basin A Windblown Litter: August 29, 2018

Photo 10: Basin A Windblown Litter: August 29, 2018

Photo 11: Basin A: September 12, 2018

Photo 12: Basin A: September 12, 2018

Photo 13: Basin A: September 12, 2018

Photo 14: Basin A: September 12, 2018

Photo 15: Basin A: September 12, 2018

Photo 16: Basin A: September 12, 2018

Photo 17: Basin A: September 12, 2018

Photo 18: Basin A: September 12, 2018

Photo 19: Basin A: September 12, 2018

Photo 20: Basin A: September 12, 2018

Photo 21: Basin A: September 25, 2018

Photo 22: Basin A: September 25, 2018

Photo 23: Basin A: September 25, 2018

Photo 24: Basin A: September 25, 2018

Photo 25: Basin A: September 25, 2018

Photo 26: Basin A: September 25, 2018

Photo 27: Basin A: September 25, 2018

Photo 28: Basin A Back Access: September 25, 2018

Photo 29: CC4 Parts 1 & 2: July 5, 2018

Photo 30: CC4 Parts 1 & 2: July 5, 2018

Photo 31: CC4 Parts 1 & 2: July 5, 2018

Photo 32: CC4 Parts 1 & 2: July 5, 2018

Photo 33: CC4 Parts 1 & 2: July 5, 2018

Photo 34: CC4 Parts 1 & 2: July 5, 2018

Photo 35: CC4 Parts 1 & 2: July 5, 2018

Photo 36: Working Area CC4A Part 1: July 5, 2018

Photo 37: Working Area CC4A Part 1: July 5, 2018

Photo 38: Working Area CC4A Part 1: July 5, 2018

Photo 39: Working Area CC4A Part 1: July 5, 2018

Photo 40: Working Area CC4A Part 1: July 5, 2018

Photo 41: Working Area CC4A Part 1: July 5, 2018

Photo 42: Working Area CC4A Part 1: July 5, 2018

Photo 43: Working Area CC4A Part 1: July 5, 2018

Photo 44: Working Area CC4A Part 1: July 5, 2018

Photo 45: Working Area CC4A Part 1: July 5, 2018

Photo 46: Working Area CC4A Part 1: July 5, 2018

Photo 47: Working Area CC4A Part 1: July 5, 2018

Photo 48: CC4 Parts 1 & 2: July 24, 2018

Photo 49: CC4 Parts 1 & 2: July 24, 2018

Photo 50: CC4 Parts 1 & 2: July 24, 2018

Photo 51: CC4 Parts 1 & 2: July 24, 2018

Photo 52: CC4 Parts 1 & 2: July 24, 2018

Photo 53: CC4 Parts 1 & 2: July 24, 2018

Photo 54: CC4 Parts 1 & 2: July 24, 2018

Photo 55: CC4 Parts 1 & 2: July 24, 2018

Photo 56: CC4 Parts 1 & 2: July 24, 2018

Photo 57: CC4 Part 1: July 24, 2018

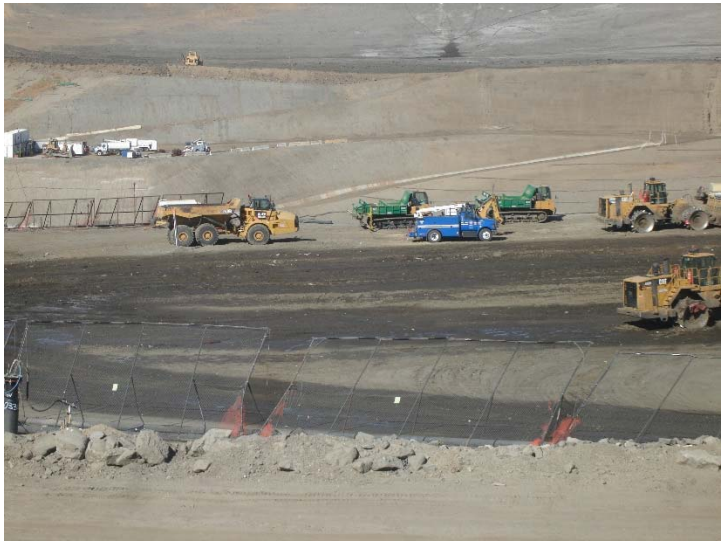

Photo 58: CC4 Part 1: July 24, 2018

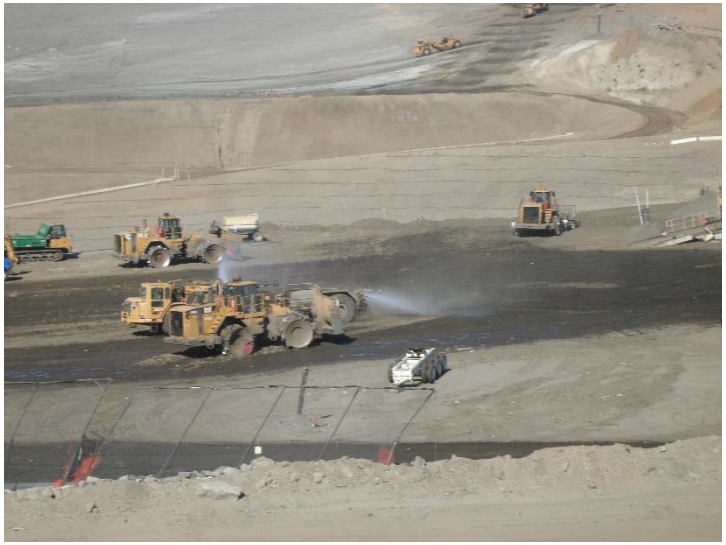

Photo 59: CC4 Part 1: July 24, 2018

Photo 60: CC4 Part 1: July 24, 2018

Photo 61: CC4 Part 1: July 24, 2018

Photo 62: CC4 Part 1: July 24, 2018

Photo 63: CC4 Part 1: July 24, 2018

Photo 64: CC4 Part 1: July 24, 2018

Photo 65: CC4 Parts 1 & 2: July 24, 2018

Photo 66: CC4 Parts 1 & 2: July 24, 2018

Photo 67: CC4 Parts 1 & 2: July 24, 2018

Photo 68: Working Area CC4A Part 1: August 29, 2018

Photo 69: Working Area CC4A Part 1: August 29, 2018

Photo 70: Working Area CC4A Part 1: August 29, 2018

Photo 71: Working Area CC4A Part 1: August 29, 2018

Photo 72: Working Area CC4A Part 1: August 29, 2018

Photo 73: Working Area CC4A Part 1: August 29, 2018

Photo 74: Working Area CC4A Part 1: August 29, 2018

Photo 75: Working Area CC4A Part 1: August 29, 2018

Photo 76: Working Area CC4A Part 1: August 29, 2018

Photo 77: Working Area CC4A Part 1: August 29, 2018

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Photo 81: Working Area CC4A Part 1: August 29, 2018

Photo 82: Working Area CC4A Part 1: August 29, 2018

Photo 83: Working Area CC4A Part 1: August 29, 2018

Photo 84: CC4 Parts 1 & 2: September 12, 2018

Photo 85: CC4 Parts 1 & 2: September 12, 2018

Photo 86: CC4 Parts 1 & 2: September 12, 2018

Photo 87: CC4 Parts 1 & 2: September 12, 2018

Photo 88: CC4 Parts 1 & 2: September 12, 2018

Photo 89: Working Area CC4 Part 1: September 12, 2018

Photo 90: Working Area CC4 Part 1: September 12, 2018

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Photo 98: Working Area CC4 Part 1: September 12, 2018

Photo 99: CC4 Parts 1 & 2: September 25, 2018

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Photo 152: CC4 Part 3 & Buttress Excavation Area: September 12, 2018

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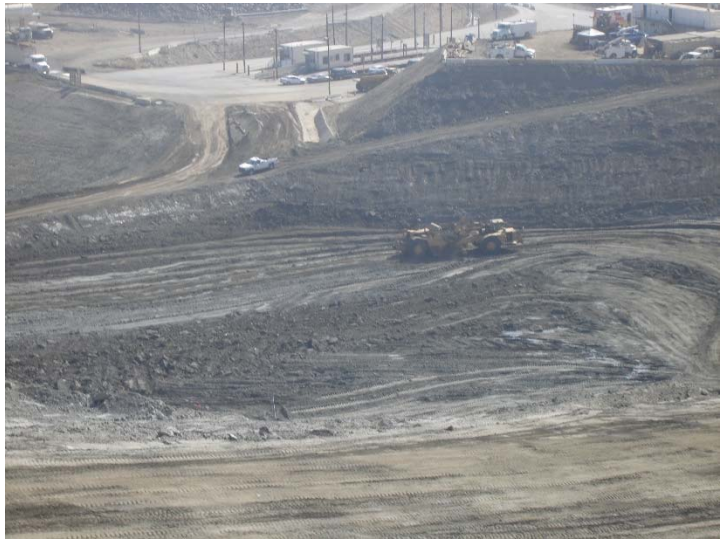

Photo 171: CC4 Part 3 & Buttress Excavation Area: September 25, 2018

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Photo 299: Old City South Stockpile Slopes South of Office: September 25, 2018

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Photo 333: Sacrificial Liner Replacement Near County Sage Mitigation Area: September 25, 2018

Photo 334: Sacrificial Liner Replacement Near County Sage Mitigation Area: September 25, 2018

Photo 335: Sacrificial Liner Replacement Near County Sage Mitigation Area: September 25, 2018

Photo 336: Basin D Deck Wood Waste Stockpile: July 5, 2018

Photo 337: Basin D Deck Wood Waste Stockpile: July 5, 2018

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Photo 343: Basin D: September 25, 2018

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Photo 346: Basin D: September 25, 2018

Photo 347: Basin D: September 25, 2018

Photo 348: Basin D Westside Channel High Flow Outlet: September 25, 2018

Photo 349: Basin D Westside Channel High Flow Outlet: September 25, 2018

Photo 350: Basin D Westside Channel High Flow Outlet: September 25, 2018

Photo 351: Basin D Westside Channel High Flow Outlet: September 25, 2018

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Photo 357: Old Flare 9 Blower Intake Air Filter: July 5, 2018

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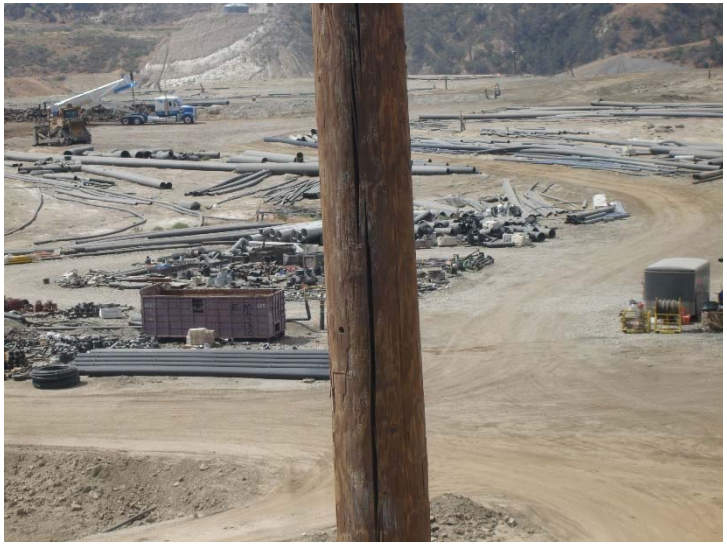

Photo 374: County top Deck: July 5, 2018

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Photo 376: County top Deck: July 5, 2018

Photo 377: County Top Deck Material Processing: July 5, 2018

Photo 378: County Top Deck Material Processing: July 5, 2018

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Photo 380: County Top Deck (Bowl) & Slope Revegetation: July 24, 2018

Photo 381: County Top Deck (Bowl) & Slope Revegetation: July 24, 2018

Photo 382: County Top Deck (Bowl) & Slope Revegetation: July 24, 2018

Photo 383: County Top Deck (Bowl) & Slope Revegetation: July 24, 2018

Photo 384: County Top Deck (Bowl) & Slope Revegetation: July 24, 2018

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Photo 405: County Top Deck (Bowl) & Slope Revegetation: September 12, 2018

Photo 406: County Top Deck (Bowl) & Slope Revegetation: September 12, 2018

Photo 407: County Top Deck (Bowl) & Slope Revegetation: September 12, 2018

Photo 408: County Top Deck (Bowl) & Slope Revegetation: September 12, 2018

Photo 409: County Top Deck (Bowl) & Slope Revegetation: September 12, 2018

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Photo 411: County Top Deck (Bowl) & Slope Revegetation: September 12, 2018

Photo 412: County Top Deck (Bowl) & Slope Revegetation: September 12, 2018

Photo 413: County Top Deck (Bowl) & Slope Revegetation: September 12, 2018

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Photo 420: County Top Deck Buttress Soils Stockpile: September 12, 2018

Photo 421: County Top Deck Buttress Soils Stockpile: September 12, 2018

Photo 422: County Top Deck Buttress Soils Stockpile: September 12, 2018

Photo 423: County Top Deck Buttress Soils Stockpile: September 12, 2018

Photo 424: County Top Deck Buttress Soils Stockpile: September 12, 2018

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Photo 532: Terminal Basin: July 24, 2018

Photo 533: Terminal Basin: July 24, 2018

Photo 534: Terminal Basin: August 29, 2018

Photo 535: Terminal Basin: August 29, 2018

Photo 536: Terminal Basin: September 12, 2018

Photo 537: Terminal Basin: September 12, 2018

Photo 538: Terminal Basin: September 12, 2018

Photo 539: Terminal Basin: September 12, 2018

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Photo 548: Terminal Basin: September 12, 2018

Photo 549: Terminal Basin: September 12, 2018

Photo 550: Terminal Basin: September 12, 2018

Photo 551: Terminal Basin Outlet: September 12, 2018

Photo 552: Terminal Basin Westside Drainage Channel Inlet: September 25, 2018

Photo 553: Terminal Basin Westside Drainage Channel Inlet: September 25, 2018

Photo 554: Terminal Basin Westside Drainage Channel Inlet: September 25, 2018

Photo 555: Terminal Basin Westside Drainage Channel Inlet: September 25, 2018

Photo 556: Terminal Basin Westside Drainage Channel Inlet: September 25, 2018

Photo 557: Terminal Basin: September 25, 2018

Photo 558: Terminal Basin: September 25, 2018

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Photo 561: Terminal Basin: September 25, 2018

Photo 562: Terminal Basin: September 25, 2018

Photo 563: Terminal Basin: September 25, 2018

Photo 564: Terminal Basin Outlet Risers: September 25, 2018

Photo 565: Terminal Basin Outlet Risers: September 25, 2018

Photo 566: Terminal Basin Outlet Risers: September 25, 2018

Photo 567: Terminal Basin Outlet Risers: September 25, 2018

Photo 568: Terminal Basin Outlet Risers: September 25, 2018

Photo 569: Terminal Basin Outlet Risers: September 25, 2018

Photo 570: Main Access Road Slopes Near Terminal Basin: September 25, 2018

Photo 571: Main Access Road Slopes Near Terminal Basin: September 25, 2018

Photo 572: Main Access Road Slopes Near Terminal Basin: September 25, 2018

Photo 573: Main Access Road Slopes Near Terminal Basin: September 25, 2018

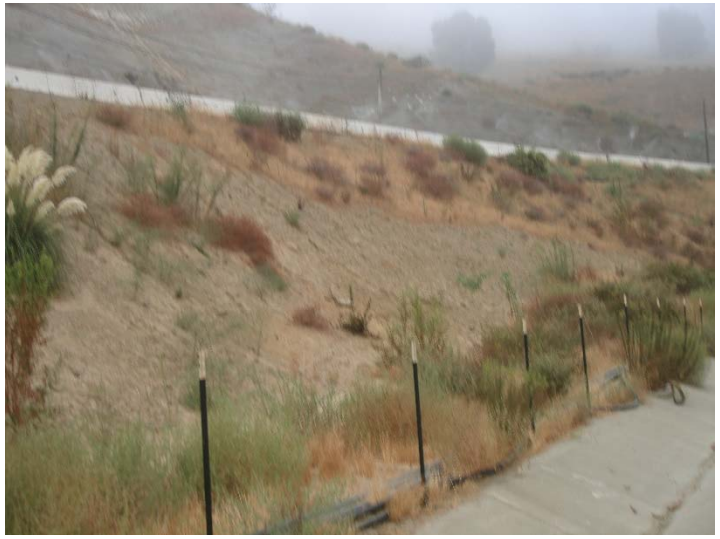

Photo 574: Main Access Road Slopes Near Terminal Basin: September 25, 2018

Photo 575: Main Access Road Slopes Near Terminal Basin: September 25, 2018

Photo 576: Main Access Road Slopes Near Terminal Basin: September 25, 2018

Photo 577: Main Access Road Slopes Near Terminal Basin: September 25, 2018

Photo 578: Main Access Road Slopes Near Terminal Basin: September 25, 2018

Photo 579: Main Access Road Slopes Near Terminal Basin: September 25, 2018

Photo 580: Main Access Road Slopes Near Terminal Basin: September 25, 2018

Photo 581: Main Access Road Slopes Near Terminal Basin: September 25, 2018

Photo 582: City Sewer Connection Facility: July 5, 2018

Photo 583: City Sewer Connection: September 12, 2018

Photo 584: Old Leachate Treatment Facility: September 25, 2018

Photo 585: Old Leachate Treatment Facility: September 25, 2018

Photo 586: Old Leachate Treatment Facility: September 25, 2018

Photo 587: Old Leachate Treatment Facility: September 25, 2018

Photo 588: Wall Near Gas Company's Odorization Station on San Fernando Road: July 5, 2018

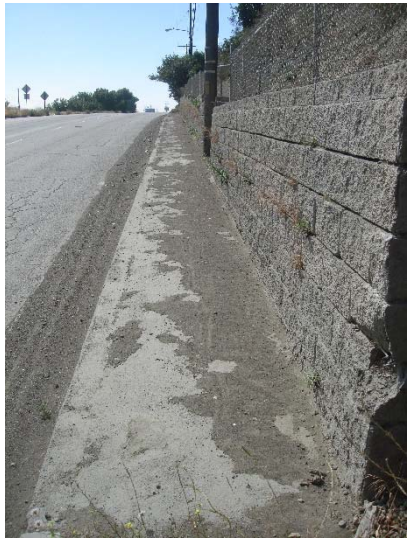

Photo 589: Frontage Retaining Wall on San Fernando Road: July 5, 2018

Photo 590: Frontage Retaining Wall on San Fernando Road: July 5, 2018

Photo 591: Frontage Retaining Wall on San Fernando Road: July 5, 2018

Photo 592: Frontage Acceleration Land on San Fernando Road: July 5, 2018

Photo 593: Frontage Retaining Wall on San Fernando Road: September 12, 2018

Photo 594: Frontage Retaining Wall on San Fernando Road: September 12, 2018

Photo 595: Frontage Retaining Wall on San Fernando Road: September 12, 2018

Photo 596: Frontage Retaining Wall on San Fernando Road: September 12, 2018

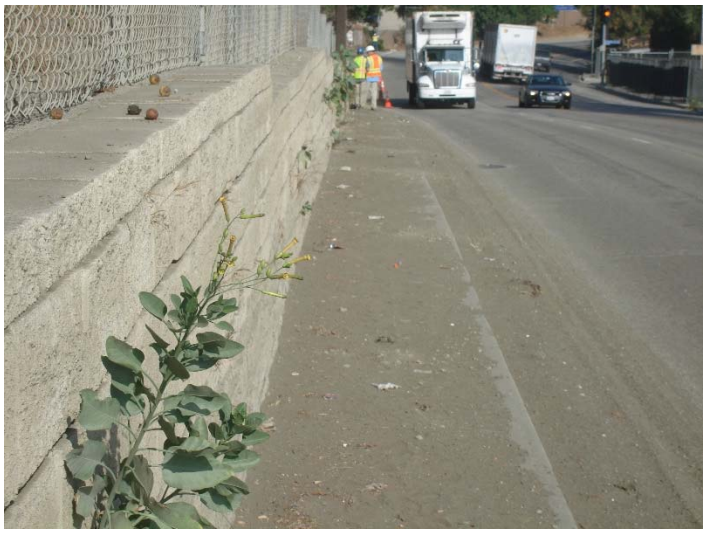

Photo 597: Frontage Retaining Wall on San Fernando Road: September 12, 2018

Photo 598: Frontage Retaining Wall on San Fernando Road: September 12, 2018

Photo 599: Frontage Retaining Wall Slope on San Fernando Road: September 12, 2018

Photo 600: Frontage Retaining Wall Slope on San Fernando Road: September 12, 2018

Photo 601: Frontage Retaining Wall Slope on San Fernando Road: September 12, 2018

Photo 602: Frontage Retaining Wall Slope on San Fernando Road: September 12, 2018

Photo 603: Acceleration Lane on San Fernando Road: September 12, 2018

Photo 604: Acceleration Lane on San Fernando Road: September 12, 2018

Photo 605: Deck C PM 10 Berm Area: July 5, 2018

Photo 606: Deck C Sage Mitigation Area: July 5, 2018

Photo 607: Deck C Sage Mitigation Area: July 5, 2018

Photo 608: Deck C Sage Mitigation Area: July 5, 2018

Photo 609: Deck C PM 10 Berm Area: September 25, 2018

Photo 610: Deck C PM 10 Berm Area: September 25, 2018

Photo 611: Deck C PM 10 Berm Area: September 25, 2018

Photo 612: Deck C PM 10 Berm Area: September 25, 2018

Photo 613: Deck C Sage Mitigation Area: September 25, 2018

Photo 614: Deck C Sage Mitigation Area: September 25, 2018

Photo 615: Deck C Sage Mitigation Area: September 25, 2018

Photo 616: Deck B Sage Mitigation Area: July 5, 2018

Photo 617: Deck B Sage Mitigation Area: July 5, 2018

Photo 618: Deck B Sage Mitigation Area: July 5, 2018

Photo 619: Deck B Sage Mitigation Area: July 5, 2018

Photo 620: Deck B Sage Mitigation Area: July 5, 2018

Photo 621: Deck B Sage Mitigation Area: August 29, 2018

Photo 622: Deck B Sage Mitigation Area: August 29, 2018

Photo 623: Deck B Sage Mitigation Area: August 29, 2018

Photo 624: Deck B Sage Mitigation Area: August 29, 2018

Photo 625: Deck B Sage Mitigation Area: September 25, 2018

Photo 626: Deck B Sage Mitigation Area: September 25, 2018

Photo 627: Deck B Sage Mitigation Area: September 25, 2018

Photo 628: Deck B Sage Mitigation Area: September 25, 2018

Photo 629: Deck B Sage Mitigation Area: September 25, 2018

Photo 630: Deck B Sage Mitigation Area: September 25, 2018

Photo 631: Deck B Sage Mitigation Area: September 25, 2018

Photo 632: Deck B Sage Mitigation Area: September 25, 2018

Photo 633: Deck B Sage Mitigation Area: September 25, 2018

Photo 634: Illegal Dumping at Sierra Highway Near I-14 Overpass: July 5, 2018

Photo 635: Illegal Dumping at Sierra Highway Near I-14 Overpass: July 5, 2018

Photo 636: Illegal Dumping at Sierra Highway Near I-14 Overpass: July 5, 2018

Photo 637: Illegal Dumping at Sierra Highway Near I-14 Overpass: July 5, 2018

Photo 638: Illegal Dumping at Sierra Highway Near I-14 Overpass: July 5, 2018

Photo 639: Illegal Dumping at Sierra Highway Near I-14 Overpass: July 5, 2018

Photo 640: Illegal Dumping at Sierra Highway Near I-14 Overpass: July 24, 2018

Photo 641: Illegal Dumping at Sierra Highway Near I-14 Overpass: July 24, 2018

Photo 642: Illegal Dumping at Sierra Highway Near I-14 Overpass: July 24, 2018

Photo 643: Illegal Dumping at Sierra Highway Near I-14 Overpass: July 24, 2018

Photo 644: Northern Access Road Locked Gate: July 5, 2018

Photo 645: Site: July 5, 2018

Photo 646: Site: July 5, 2018

Photo 647: Site: July 5, 2018

Photo 648: Site: July 5, 2018

Photo 649: Site: July 5, 2018

Photo 650: Site: July 5, 2018

Photo 651: Site: July 5, 2018

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Photo 656: Site: July 5, 2018

Photo 657: Site: July 5, 2018

Photo 658: Site: July 5, 2018

Photo 659: Site: July 24, 2018

Photo 660: Site: July 24, 2018

Photo 661: Site: July 24, 2018

Photo 662: Northern Access Road Locked Gate: August 29, 2018

Photo 663: Landfill Perimeter Road Surfacing: August 29, 2018

Photo 664: Landfill Perimeter Road Surfacing: August 29, 2018

Photo 665: Site: August 29, 2018

Photo 666: Site: August 29, 2018

Photo 667: Site: August 29, 2018

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Photo 676: Site: August 29, 2018

Photo 677: Site: August 29, 2018

Photo 678: Site: September 12, 2018

Photo 679: Site: September 12, 2018

Photo 680: Site: September 12, 2018

Photo 681: Site: September 12, 2018

Photo 682: Site: September 12, 2018

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Photo 685: Site: September 12, 2018

Photo 686: Site: September 25, 2018

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Photo 691: Site: September 25, 2018

Photo 692: Site: September 25, 2018

Photo 693: Site: September 25, 2018

Photo 694: Site: September 25, 2018

Photo 695: Site: September 25, 2018

Appendix III

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

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

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

July Site Visits

July 5, 2018:

James Aidukas (UltraSystems)

Mike Lindsay (UltraSystems)

SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT

Monitor: James Aidukas	Page: 1 of 2
Discipline: Project Manager	Date: 7/5/18
Site Conditions: Overcast to Clear, 65-95˚F, 0-15 MPH winds	

SITE LOG

Republic General Manager - Chris Coyle

Drove the Granada Hills neighborhood areas from 6:45 to 7:30 a.m. and there was a slight background landfill odor. This odor was not constant and the source could not be determined. There were liquid stains on Balboa at Woodley and they had a waste liquids odor. Met with Mike Lindsay (UltraSystems), signed in, and had a brief conversation with Tuong-Phu Ngo (Republic). We then proceeded to monitor the site and observed the following:

- Sierra Highway near the I-14 overpass had illegal dumping of four tires, a bookcase, couch, mattress, and litter and miscellaneous trash.
- The Cascades neighborhood had no landfill odor detected. There was no new illegal dumping observed at the DWP property.
- The North Hills and other greenwaste recycling facilities were observed and there was a faint greenwaste odor detected on Blucher Avenue. It was not detected on the I-405.
- There was a significant amount of ponding water in the terminal basin, a couple feet deep at the outlet risers. Water continued to flow in from the underdrain system. The alluvial water cut-off wall pumps were not properly operating. Vegetation was growing in the sediment with birds present. Vegetation was growing on the interior concrete side walls. Vegetation was removed from the top and exterior concrete and cracks were repaired.
- Sediment was observed in the terminal basin's outlet channel.
- The San Fernando Road frontage retaining wall was being maintained. The access walkway was cleared of dirt. The wall's water drainage outlets were plugged. The roadway curb and the exit acceleration lane had a significant amount of soil build-up.
- Transfer trucks were observed exiting on to San Fernando Road at a high rate of speed and some not fully stopping at a red light when turning right.
- The sewer connection area had no odors detected and was in operation.
- The Adler tank liquids handling facility was operating and there were no odors detected. The facility was dry and maintained.
- The top deck of CC-3B was being used for staging of liner material. Faint intermittent gas odors were detected on the CC-3A top deck coming from the ide slope and/or top deck of CC-3B.
- Cells CC-4 Part 1 and Part 2 were accepting waste. No operational issues were noted.
- Basin B was dry and free of sediment. The outlet risers rock was not cleaned of sediment. The native hillside vegetation had minimal wind-blown litter.
- Soil screening and rock crushing was occurring on the County top deck.
- The County had broken asphalt stock-piled for wet weather road use.
- No vegetation activity was occurring in the County sage mitigation area.

Page 2 of 2, 7/5/18:

- The northern secondary access dirt road had deep ruts.
- All secondary access road gates were locked.
- Excavation was ongoing for the Cell CC-4 Part 3 buttress. A Paleo monitor was onsite.
- Deck C sage mitigation area was going through summer die-back.
- Deck B sage mitigation area was ready for fall planting.

Flare Operating Conditions:

- Flare 1 - 1686˚F, 2262 SCFM, -57.69" vacuum, 38.36" out, 38% CH_4, 90 ppm H_2S, O.6% O_2
- Flare 3 - No access due to buttress excavation - shutdown
- Flare 9 - 1656˚F, 2528 SCFM
- Flare 10 - 1645˚F, 2561 SCFM
- Flare 11 - 1662˚F, 2521 SCFM

The gas-to-energy plant was operating at full capacity using 9728 SCFM of gas. The total gas volume recovered was 19,600 SCFM, 44% CH_4, 1.6% O_2, 58 ppm H_2S. The old style flare combustion air filters for flares 9 and 10 are plugging with blown dust.

FURTHER REVIEW NEEDED
COMMENTS
Signed:

SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT

Monitor: Mike Lindsay	Page: 1 of 2
Discipline: Environmental Engineer	Date: 07-05-2018 Thursday
Site Conditions: Clear, 67–97 °F, 3–12 mph, 50% RH	

SITE LOG

1. Met with Jim Aidukas (UltraSystems), and checked into office and with Tuong-phu Ngo.
2. Illegally-dumped couch, tires and debris are present along Sierra Highway near the I-14 overpass.
3. No odors are present at the Rancho Cascades neighborhood at 8:40 AM.
4. Faint greenwaste odors are present at the greenwaste facility on Blucher Avenue at 8:55 AM.
5. Terminal basin has ponding water due to cutoff wall runoff.
6. Soil is covering the acceleration lane by the landfill entrance.
7. Terminal basin outlet channel does not have any water draining from basin.
8. Traffic spotters are onsite to control traffic.
9. No odors are present on the top deck of Cell CC-3A at 10:00 AM.
10. Water trucks are applying water throughout site for dust control.
11. Cell CC-4 Part 1 and Part 2 are in good order, including three tippers.
12. Sediment basin B is in good order.
13. Soil screener and rock conveyor are in operation east of the Flare 9 area.
14. Flare 9 is operating at 2513 scfm, 1662 °F. Gas sample measured at 44 % Vol. CH4, 1.6 % Vol. O2, 58 ppm H2S and over 500 ppm CO. Gas inlet temperature is at 147 °F.
15. Flare 10 is operating at 2572 scfm, 1648 °F.
16. Flare 11 is operating at 2510 scfm, 1653 °F.
17. Gas-to-energy facility is operating at full capacity.
18. Street sweepers are cleaning the haul roads.
19. Secondary access road has deep erosion ruts.
20. Secondary access road gate is closed and locked.
21. Excavation continues for Cell CC-4 Part 3 and the buttress area.
22. City Deck C sage mitigation area is well covered with new vegetation growth.
23. Flare 1 is operating at 2669 scfm, 1686 °F. Gas sample measured at 38 % Vol. CH4, 0.6 % Vol. O2, 90 ppm H2S and 79 ppm CO. Gas inlet temperature is at 141 °F.
24. Paleo monitor is present at excavation work for Cell CC-4 Part 3 and buttress area.
25. Observed overall landfill operations from observation deck, including excavation work for Cell CC-4 Part 3 and buttress area.
26. Met with Chris Coyle, Joshua Mills and Tuong-phu Ngo (Republic), and discussed our site monitoring observations.

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FURTHER REVIEW NEEDED
1. Remove debris along Sierra Highway. 2. Eliminate ponding water at terminal basin. 3. Remove soil at acceleration lane by landfill entrance. 4. Remove erosion ruts at secondary access road.
Signed: Michael W. Lindsay

July 24, 2018:

James Aidukas (UltraSystems)

Mike Lindsay (UltraSystems)

Tarik Hadj-Hamou (SLR)

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SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT

Monitor: James Aidukas	Page: 1 of 2
Discipline: Project Manager	Date: 7/24/18
Site Conditions: Clear, 80-105˚F, 0-10 MPH winds	

SITE LOG

Republic General Manager - Chris Coyle

Drove the Granada Hills neighborhood areas from 6:30 to 7:00 a.m. There was no landfill odor detected in the neighborhood. The previously detected odor on Balboa Boulevard near Woodley on the July 5th monitoring was gone. There was a pleasant sweet smell from the deodorizing cleaner used by the City sanitation street sweeper. There was a liquids odor on San Fernando Road as one enters the site. A similar street cleaning might be beneficial. Met with Mike Lindsay (UltraSystems) and Tarik Hadj-Hamou (SLR), signed in, and had a brief meeting with Josh Mills (Republic). Met with Mike Harmon (LACDPW). We then proceeded to monitor the site and observed the following:

- At approximately 7:45, equipment was moving in CC-4A Part 1 and Part 2 and CC-3A causing a sustained, large dust plume over the area. No water trucks were operating.
- The Old City South soil stockpile south of the site offices had increased settlement and some movement.
- The Alder tank liquids handling facility was maintained, operating and no odors were detected.
- There was strong liquids odor detected on the CC-3A top deck coming from the CC-3B area. GW-2086 on the CC-3A top deck was burping gas.
- The CC-3B top deck had a strong liquid smell at GW-2100 and liquids on the ground at GW-2098. SCS was working on the CC-3B top deck liquids handling piping.
- All of the gas and liquids recovery wells were moved from CC-4 Part 1 and the CC-3A slope to the CC-3A deck.
- CC-4 Part 1 was accepting waste.
- The terminal basin had minimal ponding of water at the outlet risers. The alluvial cutoff wall pump system was operational and no alluvial water was flowing into the basin. Sediment in the basin was drying and had two to three-feet high vegetation. Numerous birds were observed in the brush. Vegetation was growing in the concrete basin walls.
- The CC-3B basin low flow outlet was unplugged and clean. The trash guard was not installed.
- A water seep was observed at the head potion of the CC-3B basin. Water quality should be tested.
- Sierra Highway near the I-14 overpass did not have the bookcase, couch, mattress, and miscellaneous trash cleaned up that was observed on the July 5th site monitoring.
- Basin B was clean, dry, and had minimal windblown litter in the native slopes. The riser rock was not cleaned.
- The re-vegetated slopes on CC-3A and the slopes in the County swale and deck area turned brown and died from the heat. Winter rains could bring the vegetation back.

Page 2 of 2, 7/24/18:

- The County top deck has rock, soils, road base asphalt, and gas piping stockpiled for future cell development.
- There was no water being used to control large dust plumes coming from CC-4 Part 3 buttress soils being moved by scrapers to the County top deck for stockpiling.
- The northern access gate was locked.
- The waste materials and tree trunks being stored at the old Flare 8 site were not removed.
- Basin A was clean and dry, with no windblown litter. Only one small pile of sediment remained. The outlet risers' rock was not cleaned.
- City Deck C sage mitigation was going through the hot summer die-back phase.
- The City Deck B sage mitigation area was ready for fall planting. No change since July 5th.
- CC-4 Part 3 buttress excavation was underway and seep water was being controlled. A Paleo monitor was observing the excavation.

Flare Operating Conditions:

- Flare 1 - 1697˚F, 2275 SCFM, -57.75" vacuum, 38.5" out, 35% CH_4, 84 ppm H_2S, O.6% O_2
- Flare 3 - No access due to buttress excavation - shutdown
- Flare 9 - 1698˚F, 2188 SCFM
- Flare 10 - 1673˚F, 2138 SCFM
- Flare 11 - 1668˚F, 2181 SCFM

The gas-to-energy plant was operating at full capacity using 9670 SCFM of gas. The total gas volume recovered was 18,452 SCFM, 45% CH_4, 1.9% O_2, 56 ppm H_2S.

FURTHER REVIEW NEEDED

COMMENTS

Signed:

SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT

Monitor: Mike Lindsay	Page: 1 of 2
Discipline: Environmental Engineer	Date: 07-24-2018 Tuesday
Site Conditions: Clear, 80–106 °F, 0–10 mph, 38% RH	

SITE LOG

1. Met with Jim Aidukas and Tarik Hadj-Hamou (UltraSystems), and checked into office and with Joshua Mills (Republic).
2. Inspected and measured slope elevation above admin facility, as slope appears to be sinking.
3. Met with Mike Harmon (LACDPW).
4. Cell CC-3A top deck is in good order.
5. Strong gas odor is present at slope between Cell CC-3A and Cell CC-3B at 9:00 AM. Wind is steady from the southeast.
6. Cell CC-4 Part 1 working area is in good order, including tippers and traffic controllers. ADC is 10% covered with new trash at 9:20 AM.
7. Street sweepers are cleaning the haul roads.
8. Terminal basin has large piles of soil ready for removal. Green grasses are growing to three feet high at northeast end of basin.
9. Water from cutoff wall has stopped flowing into the terminal basin.
10. Traffic spotters are onsite to control traffic.
11. Illegally-dumped couch and debris are present along Sierra Highway near the I-14 overpass.
12. Sediment basin CC-3B is in good order.
13. Trash guard is missing for the low-flow drain at sediment basin CC-3B.
14. Sediment basin B is in good order.
15. Flare 9 is operating at 2212 scfm, 1655 °F. Gas sample measured at 45 % Vol. CH4, 1.9 % Vol. O2, 56 ppm H2S and over 500 ppm CO. Gas inlet temperature is at 149 °F.
16. Flare 10 is operating at 2131 scfm, 1649 °F.
17. Flare 11 is operating at 2169 scfm, 1657 °F.
18. Sediment basin A is in good order.
19. Secondary access road gate is closed and locked.
20. Secondary access road has deep erosion ruts.
21. Landfill gas well 2098 at Cell CC-3B south deck has liquid on ground and has a strong odor present at 10:30 AM.
22. Eastside drainage channel has gabion block flow restrictors that have become broken.
23. Sediment basin A is clear of soil.
24. City Deck C sage mitigation area is dormant and in good condition.
25. Flare 1 is operating at 2784 scfm, 1691 °F. Gas sample measured at 35 % Vol. CH4, 0.6 % Vol. O2, 84 ppm H2S and 84 ppm CO. Gas inlet temperature is at 145 °F.
26. Observed two oil well casing pipes at Cell CC-4 Part 3 area.
27. Water trucks are applying water throughout site for dust control.
28. Met with Joshua Mills and Tuong-phu Ngo (Republic), and discussed our site monitoring observations.

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FURTHER REVIEW NEEDED
1. Eliminate gas odor at Cell CC-3B. 2. Remove debris along Sierra Highway. 3. Install a trash guard in low-flow drain at sediment basin CC-3B. 4. Remove erosion ruts at secondary access road. 5. Eliminate gas odor at well 2098. 6. Repair gabion blocks at eastside drainage channel.
Signed: Michael W. Lindsay

SUNSHINE CANYON LANDFILL

MITIGATION MONITORING
SITE REPORT

Monitor: Tarik Hadj-Hamou, Ph.D., P.E.	PAGE 1 OF 11
Discipline: Civil – Geotechnical and Hydrology	Date: September 12,2018
Site Conditions: Sunny and warm	

SITE LOG

7:00 Met with UltraSystems team members Jim Aidukas and Mike Lindsay, prepare tour of landfill, review of previous visits, discussion of potential issues, organize areas to inspect.
8:00 Meet Gabriel Esparza and Gladys Gallardo of L.A. County

8:00 – 1:00 Site inspection

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

Access Roads.

- Access road to administration pad. The slump observed near the end of the road on the hill on south side of the road during past visits is still there – Republic notified us hat their consultant is now monitoring the slump. The slopes in the area have been groomed to allow installation of erosion protection systems

Waste Placement in Cell CC4

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

Drainage System

- Terminal Basin
  - The basin still contains some sediment (Photo 3) but we understand is it being hauled off as soon as dry.
  - An earth check dam has been installed at the entrance of basin in front of the 96 inch pipe stubs to control water to allow for sediments to dry (Photo 4).
  - The three skimmers were raised
  - Seeps of reddish water observed between the bottom and the side slabs and through the weep holes during previous visits have stopped.
  - plants are growing in the cracks between panels on both the inside and outside sidewalls of the basin (Photo 5)

- Basin A

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– Basin is clean except for a couple of truck load of sediments slated for removal – Rocks in front to drain towers have screened and are clean of all fines and are slated for repositioning around the drain towers (Photo 6) – Due to the excavation for cell CC4 Phase 3, the channel out of Basin A has been removed but a new channel will be rebuilt when earthwork is completed. Photo 7 taken from the deck of Cell CC3A show the spill way of Basin A and the excavation for Cell CC4 and the stabilization buttress to come and shows that the drainage channel has been removed. • Basin B – Basin is clean – Rocks in front to drain towers have been screened of all fines and repositioned (Photo 8) • Basin D – Basin is clean – Concrete spillway between the two parts of the basin: o There are cracks and vegetation including a small bush is growing through the crack (Photo 9). o The edge has separated from the soil and could be undermined and water leading to further damage (Photo 10) • Cell CC3 Earthen basin – the basin is clean and available for storage – a large gully has formed in sediments that partially fill the basin (Photo 11). There is some trash in the gully that could make its way to the terminal basin since there is no trash guard at the intake of the basin – an erosion gully has formed on downstream side off earth embankment of the basin (Photo 12) • Channels – Sediments have accumulated and are blocking the drain along the access road to Flares 9-11 and the gas to energy (Photo 13). – damaged panels of shotcrete along the eastern drainage channel between Basin B and the SCE Engineers trailers have been repaired (Photo 14) – Debris si present in portion of drainage channel near the new tank farm before last slope towards the terminal basin (Photo 15)
Excavation for Cell 4 Phase 3 • Excavation was ongoing with scrapper and dozers - work was stopped when we inspected the work • no sign of potential geotechnical issues – the different geologic formations in the area can be clearly seen
Erosion Protection Systems • We did not notice any worsening of the erosion gullies on the slopes of Cell CC3 B and the downstream face of the embankment of the earthen basin at Cell CC3. • Surfaces of slopes that were observed to present singed of erosion (gullies, ruts) have been groomed
Retaining wall on San Fernando Road: • The observed in the drainage swale in July was removed and the swale cleaned • plants are growing through the precast elements of the wall (Photo 15) • sediments along curb on roadways block the drains from the swale (Photo 15)
Landfill for geotechnical and hydrological issues • no other geotechnical issues than that noted at access roads were observed during the visit

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Miscellaneous • it is our understand that ground motions were recorded at the site seismograph station during the channel island earthquake of 04/05/2018. Republic will look into getting the information.
12:30 – 1:00 PM Close-out meeting with Republic Staff representative to discuss findings of visit
FURTHER REVIEW NEEDED
• Vegetation should be removed from the cracks in spillway at Basin D and Terminal Basin. Those cracks should be grouted prior to the rainy season • Protocol if the drainage system from Basin A is not restored prior to the beginning of rainy season. How will Republic address the basin filling and potentially spilling if there is no channel installed (temporary or permanent) • Record of ground motion (I the seismograph was triggered) at the landfill following the channel island earthquake of 04/05/2018 should be reviewed in accordance with City of Los Angeles CUP M 4.1.4-11
COMMENTS
Signed: 

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Photo 1: Landfilling in Cell CC4 – Part 1

Photo 2: Alternative daily cover at Cell CC4 – Part 1

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Photo 3: Sediment in terminal basin

Photo 4: Earth check dam at entrance of terminal basin

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Photo 5: Plants growing in cracks in wall of Terminal Basin

Photo 6: Rocks for drain tower filter at Basin A – leftover sediment to be removed in the back

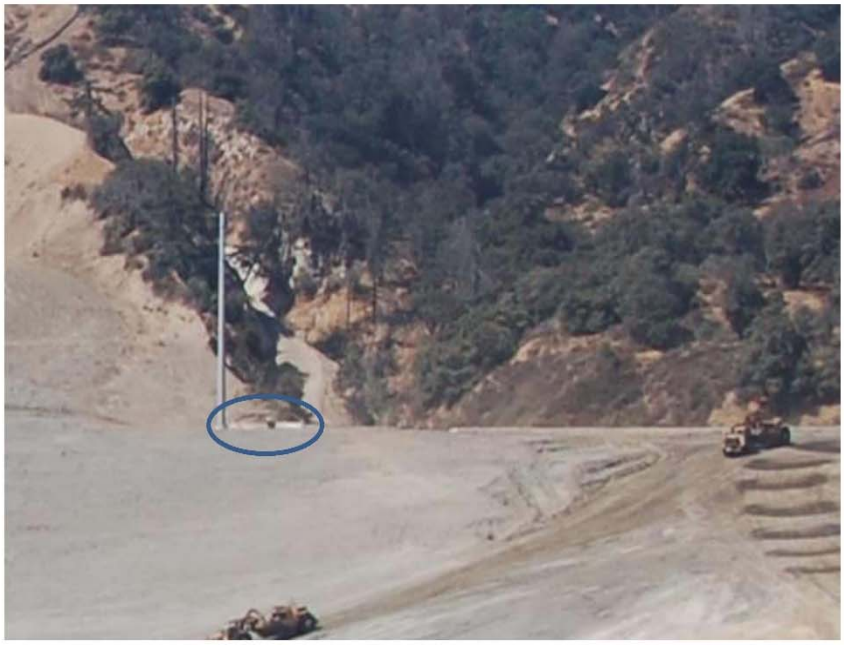

Photo 7: Spillway form Basin A shown in blue circle – Channel was removed downslope of basin

Photo 8: Basin B

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Photo 9: Cracked concrete spillway between two parts of Basin D and vegetation in crack

Photo 10: Separation between shotcrete and soil at Basin D

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Photo 11: Gully in Cell CC3 basin

Photo 12: Erosion gully on downstream side of embankment of cell CC3 basin

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Photo 13: Sediments blocking the outlet drain of channel along the access road to the Flares 9-11

Photo 14: Repaired shotcrete sidewall of eastern drainage channel

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Photo 15: Debris in southern reach of east drainage channel

Photo 16: Retaining wall along San Fernando Road: Vegetation growing through precast elements of and sediments against curb blocking drains from swale

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August Site Visits

August 29, 2018:

James Aidukas (UltraSystems)

Mike Lindsay (UltraSystems)

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SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT

Monitor: James Aidukas	Page: 1 of 2
Discipline: Project Manager	Date: 8/29/18
Site Conditions: Cloudy to Clear, 65-90˚F, 0-10 MPH winds	

SITE LOG

Republic General Manager - Chris Coyle

Drove the Granada Hills neighborhood from 6:15 to 7:00 a.m. and there was no landfill odors detected. Met with Mike Lindsay (UltraSystems) and Vu Truong and Maria Carlson (LACDPW). Signed in, and had a brief conversation with Josh Mills and Tuong-pho Ngo, proceeded to monitor the site and observed the following:

- CC-4A Part 1 had earth moving equipment working on the top deck at 8:00 a.m. causing large dust clouds. The water mister on the back slope and a Water Buffalo were operating to control odors from work being done on the liquids handling piping.
- The Old City South landfill soil stockpile south of the offices had additional settlement.
- Medical waste liquids were observed leaking on to the main access dirt road on the east side of CC-3A from a Stericycle truck.
- A dirt berm was constructed at the terminal basin's inlet. Ponding was 6" or more deep. Water was coming from the westside drainage channel. Sediment was being moved into piles to dry before moving to site stockpile. A large amount of wet sediment was drying near the outlet risers.
- The Oak trees in the south 100-acre buffer were doing well with only two dead Oak trees observed.
- The south perimeter entrance gate was locked.
- The Posi-Shell on slopes above CC-4 Part 1 and above the Closure Turf was being maintained and was performing well.
- The Closure Turf was being maintained and performing well.
- The landfill liquids handling facility was operating and no operational problems were observed. No odors were detected.
- CC-3B top deck had gas collection piping, drainage piping, sand, sandbags, and rock being stored on it.
- A strong odor was detected on the CC-3A top deck coming from the CC-3B area below.
- The Old City south slopes were being maintained. Most of the vegetation turned brown from the summer's hot temperatures.
- CC-4A Part 1 was accepting waste, Part 2 was idle. No operating concerns were noted.
- The County Dome area had the gas and liquids piping reconfigured and slopes and deck re-graded.
- Basin B was dry and cleared of sediment. The rock around the outlet risers was not cleaned. The native hillside had no windblown litter.

Page 2 of 2, 8/29/18:

- The eastside channel had a significant amount of sediment and gabion rock removed. The channel south of Basin B had portions of the wall cracking and spalling.
- The north secondary access gate was locked.
- CC-4A Part 3 buttress soils were being stockpiled on the County far north top deck.
- No re-vegetation or slope stability activities had occurred on the County sage mitigation slopes.
- Basin A had all but one pile of sediment removed. The rock around the outlet risers was not cleaned.
- The back portion of Basin A had dead cut brush and litter in the native vegetation.
- Excavation was ongoing for the Cell CC-4 Part 3 buttress. A paleontological monitor was onsite.
- Deck C sage mitigation area was going through summer die-back.
- Deck B sage mitigation area was ready for fall planting.

Flare Operating Conditions:

- Flare 1 - 1694˚F, 2235 SCFM, -57.53" vacuum, 38.53" out, 35% CH_4, 87 ppm H_2S, O.8% O_2
- Flare 3 - No access due to buttress excavation - shutdown
- Flare 9 - 1651˚F, 3227 SCFM, -63.29" vacuum, 40.57" out.
- Flare 10 - 1653˚F, 3261 SCFM
- Flare 11 - shut down

The gas-to-energy plant was operating at full capacity using 9565 SCFM of gas. The total gas volume recovered was 18,448 SCFM, 46% CH_4, 1.6% O_2, 58 ppm H_2S. The old-style flare combustion air filters for Flare 9 and 10 are plugging with blown dust.

FURTHER REVIEW NEEDED
COMMENTS
Signed: 

SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT

Monitor: Mike Lindsay	Page: 1 of 2
Discipline: Environmental Engineer	Date: 08-29-2018 Wednesday
Site Conditions: Partly cloudy, 68–91 °F, 3–10 mph, 67% RH	

SITE LOG

1. Met with Jim Aidukas (UltraSystems), and checked into office.
2. Met with Vu Truong and Maria Carlson (LACDPW).
3. Terminal basin is in good order, with most of the sediment removed for the rainy season.
4. Ponding water is present behind soil berm at terminal basin entrance.
5. Perimeter gate at oil field is closed and locked.
6. Oak trees at mitigation area along oil field road are in good condition.
7. Strong odor is present at Cell CC-3A top deck, with winds coming from the south and Cell CC-3B at 9:05 AM.
8. Cell CC-3A top deck is in good order.
9. Water trucks are applying water throughout site for dust control.
10. Cell CC-4 Part 1 working area is in good order, including three tippers and traffic controllers. ADC is 5% covered with new trash at 9:25 AM.
11. Leachate tank farm is in good order, with no odors present at 9:45 AM.
12. Gas wellfield east of sediment basin B has been re-graded with clay soil.
13. Traffic spotters are onsite to control traffic.
14. Sediment basin B has been cleared of all sediment.
15. Secondary access road is in good condition.
16. Secondary access road gate is closed and locked.
17. Flare 9 is operating at 3219 scfm, 1660 °F. Gas sample measured at 46 % Vol. CH4, 1.6 % Vol. O2, 58 ppm H2S and over 500 ppm CO. Gas inlet temperature is at 142 °F.
18. Flare 10 is operating at 3247 scfm, 1653 °F.
19. Flare 11 is offline.
20. Sediment basin D is in good order.
21. Street sweepers are cleaning the haul roads.
22. County sage mitigation area is dormant due to dry, summer conditions.
23. No odor is present at abandoned oil well #6 on County slope.
24. Wet-weather rock has been installed along the west County haul road.
25. Sediment basin A has one sediment pile for removal.
26. Windblown trash is present on back slope of sediment basin A.
27. Excavation work continues for cell CC-4 Part 3 and buttress area.
28. Flare 1 is operating at 2363 scfm, 1692 °F. Gas sample measured at 35 % Vol. CH4, 0.8 % Vol. O2, 87 ppm H2S and 109 ppm CO. Gas inlet temperature is at 136 °F.
29. Observed overall operations from the observation deck, including buttress excavation.
30. City Deck C sage mitigation area is dormant and in good condition.
31. City Deck B is ready for planting.
32. City Deck A is in good condition.
33. Met with Joshua Mills and Tuong-phu Ngo (Republic), and discussed our site monitoring

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observations.

FURTHER REVIEW NEEDED
1. Eliminate ponding water at terminal basin entrance. 2. Eliminate gas odor at Cell CC-3B. 3. Remove windblown trash at sediment basin A.
Signed: Michael W. Lindsay

September Site Visits

September 12, 2018:

James Aidukas (UltraSystems)

Mike Lindsay (UltraSystems)

Tarik Hadj-Hamou (SLR)

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SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT

Monitor: James Aidukas	Page: 1 of 2
Discipline: Project Manager	Date: 9/12/18
Site Conditions: Clear, 65-85˚F, 0-10 MPH winds	

SITE LOG

Republic General Manager - Chris Coyle

Drove the Granada Hills and adjacent Sylmar neighborhood areas from 6:15 to 7:00 a.m. and there were no landfill odors detected. Met with Mike Lindsay (UltraSystems) and Tarik Hadj-Hamou (SLR), signed in, and observed site conditions from the site office area. Met with Gabriel Esparza and Gladys Gallardo (LACDPW), had a brief discussion with Joshua Mills (Republic) and proceeded to monitor the site with LACDPW staff joining us and observed the following:

- The southwest-facing slopes of the CC-3A and CC-4 Part 1 and 2 have been graded and straw wattles installed.
- The Old City South soil stockpile has additional settlement in a localized area south of the office parking lot.
- The slopes west of the office have been graded and covered with jute netting.
- The inlet to the terminal basin has any water flow blocked by a dirt berm. Approximately 80% of the sediment has been removed. The outlet risers and adjacent area has sediment that will need to be removed. The outlet channel has minor sediment and tumbleweed.
- The acceleration lane on San Fernando Road was being cleared of sediment. The top of the retaining wall was cleared of rock and sediment. The v-ditch drains are plugged with soil. The walkway in front of the wall and at the curb has piled up soil that has not been removed.
- The City sewer connection site was cleared of vegetation, operating, and had no odors detected.
- Basin CC-3B has a deep erosion rill going to the low flow outlet. The rill and outlet has windblown litter in them. No debris cap was installed on the low flow drain.
- An alluvial seep was being drained into the northwest (upper) area of Basin CC-3B. The water was being collected in a earthen holding pond.
- The liquids handling facility on Old City North had strong localized odors emitting during maintenance work being done by SCS. These odors were detected on the top deck of CC-3A. Odors were locally contained onsite.
- A gas or liquid removal well was being drilled on the south side of the CC-3A top deck.
- The CC-3B south facing slope had the HDPE slope downcomer repaired and ready for rain.
- A waste composition analysis was being done at the CC-4 Part 1 active fill area.
- Cell CC-4 Part 1 was accepting waste, CC-4 Part 2 was idle.
- CC-3B top deck had no liquid or gas odors detected. No work was being done on the deck.
- The temporary vegetation on CC-3A slopes and in the County bowl area had died.
- Basin B was free of sediment and the riser rock was cleaned. The native vegetation had wind-blown litter on the back hillside.

Page 2 of 2, 9/12/18:

- The eastside drainage channel concrete walls south of Basin B were repaired. Gabion rock and debris was blocking portions of the channel and needs to be removed.
- CC-4 Part 3 buttress excavated soil was being stockpiled on the north County top deck.
- The Basin D westside high flow drain had concrete cracks and wall soil erosion.
- Basin A was dry and free of sediment. The riser rock was removed and being cleaned.
- Windblown litter was in the native slope vegetation in the back of the basin.
- The CC-4 Part 3 buttress was nearing completion of the toe excavation.

Flare Operating Conditions:

- Flare 1 - not monitored
- Flare 3 - shut down
- Flare 9 - shut down
- Flare 10 - 1660˚F, 3093 SCFM, -63.46" vacuum, 40.36" out
- Flare 11 - 1654˚F, 2862 SCFM

The gas-to-energy plant was using 9801 SCFM of recovered landfill gas, 45% CH_4, 1.5% O_2, 61 ppm H_2S. Total gas volume recovered, not including Flare 1, was 16,756 SCFM.

FURTHER REVIEW NEEDED
COMMENTS
Signed:

SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT

Monitor: Mike Lindsay	Page: 1 of 2
Discipline: Environmental Engineer	Date: 09-12-2018 Wednesday
Site Conditions: Clear, 65–85 °F, 3–12 mph, 79% RH	

SITE LOG

1. Met with Jim Aidukas and Tarik Hadj-Hamou (UltraSystems), and checked into office and with Joshua Mills (Republic).
2. Met with Gabriel Esparza and Gladys Gallardo (LACDPW).
3. Terminal basin entrance continues to have ponding water against soil berm.
4. Terminal basin is in good order, with sediment piles at east end, ready for removal.
5. Acceleration lane by landfill entrance is being cleared of soil.
6. Drainage channel behind retaining wall is clear of soil.
7. Terminal basin outlet channel is clear of sediment.
8. No odors are present at the sewer lift station.
9. Ponding water is present at the leachate collection point near sediment basin 3B.
10. Sediment basin 3B is in good order.
11. Water trucks are applying water throughout site for dust control.
12. Leachate tank farm has strong odors present at 10:20 AM, with winds blowing to the west. Workers are present at site.
13. A new gas well is being drilled on Cell CC-3A top deck.
14. Strong gas odor is present at south edge of Cell CC-3A top deck, with winds coming from the south and Cell CC-3B at 10:45 AM.
15. Cell CC-4 Part 1 working area is in good order, including three tippers and traffic controllers. ADC is 15% covered with new trash at 11:00 AM.
16. A trash composition analysis is underway at cell CC-4 Part 1.
17. Eastside drainage channel concrete walls have been repaired.
18. Street sweepers are cleaning the haul roads.
19. Sediment basin B is in good order, and has been completely cleared of all sediment. Rock berm at riser drains have been cleaned.
20. Flare 9 is offline.
21. Flare 10 is operating at 3098 scfm, 1668 °F. Gas sample measured at 45 % Vol. CH4, 1.5 % Vol. O2, 61 ppm H2S and over 500 ppm CO. Gas inlet temperature is at 156 °F.
22. Flare 11 is operating at 2833 scfm, 1647 °F. Blowers 1, 2 and 3 are in operation.
23. High-flow spillway at sediment basin D still has concrete damage.
24. Excavation work continues for cell CC-4 Part 3 and buttress area.
25. Sediment basin A has been completely cleared of all sediment. Rock berm at riser drains have been cleaned.
26. Windblown trash is still present on back slope of sediment basin A.
27. Traffic spotters are onsite to control traffic.
28. Met with Joshua Mills (Republic), and discussed our site monitoring observations.

Page: 2 of 2 09-12-2018

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FURTHER REVIEW NEEDED
1. Eliminate ponding water at terminal basin entrance. 2. Eliminate ponding water at leachate collection point. 3. Eliminate gas odor at leachate tank farm. 4. Eliminate gas odor at Cell CC-3A. 5. Repair concrete damage at high-flow spillway at sediment basin D. 6. Remove windblown trash at sediment basin A.
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 11
Discipline: Civil – Geotechnical and Hydrology	Date: September 12,2018
Site Conditions: Sunny and warm	

SITE LOG

7:00 Met with UltraSystems team members Jim Aidukas and Mike Lindsay, prepare tour of landfill, review of previous visits, discussion of potential issues, organize areas to inspect.
8:00 Meet Gabriel Esparza and Gladys Gallardo of L.A. County

8:00 – 1:00 Site inspection

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

Access Roads.

- Access road to administration pad. The slump observed near the end of the road on the hill on south side of the road during past visits is still there – Republic notified us hat their consultant is now monitoring the slump. The slopes in the area have been groomed to allow installation of erosion protection systems

Waste Placement in Cell CC4

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

Drainage System

- Terminal Basin
  - The basin still contains some sediment (Photo 3) but we understand is it being hauled off as soon as dry.
  - An earth check dam has been installed at the entrance of basin in front of the 96 inch pipe stubs to control water to allow for sediments to dry (Photo 4).
  - The three skimmers were raised
  - Seeps of reddish water observed between the bottom and the side slabs and through the weep holes during previous visits have stopped.
  - plants are growing in the cracks between panels on both the inside and outside sidewalls of the basin (Photo 5)

- Basin A

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– Basin is clean except for a couple of truck load of sediments slated for removal – Rocks in front to drain towers have screened and are clean of all fines and are slated for repositioning around the drain towers (Photo 6) – Due to the excavation for cell CC4 Phase 3, the channel out of Basin A has been removed but a new channel will be rebuilt when earthwork is completed. Photo 7 taken from the deck of Cell CC3A show the spill way of Basin A and the excavation for Cell CC4 and the stabilization buttress to come and shows that the drainage channel has been removed. • Basin B – Basin is clean – Rocks in front to drain towers have been screened of all fines and repositioned (Photo 8) • Basin D – Basin is clean – Concrete spillway between the two parts of the basin: o There are cracks and vegetation including a small bush is growing through the crack (Photo 9). o The edge has separated from the soil and could be undermined and water leading to further damage (Photo 10) • Cell CC3 Earthen basin – the basin is clean and available for storage – a large gully has formed in sediments that partially fill the basin (Photo 11). There is some trash in the gully that could make its way to the terminal basin since there is no trash guard at the intake of the basin – an erosion gully has formed on downstream side off earth embankment of the basin (Photo 12) • Channels – Sediments have accumulated and are blocking the drain along the access road to Flares 9-11 and the gas to energy (Photo 13). – damaged panels of shotcrete along the eastern drainage channel between Basin B and the SCE Engineers trailers have been repaired (Photo 14) – Debris is present in portion of drainage channel near the new tank farm before last slope towards the terminal basin (Photo 15)
Excavation for Cell 4 Phase 3 • Excavation was ongoing with scrapper and dozers - work was stopped when we inspected the work • no sign of potential geotechnical issues – the different geologic formations in the area can be clearly seen
Erosion Protection Systems • We did not notice any worsening of the erosion gullies on the slopes of Cell CC3 B and the downstream face of the embankment of the earthen basin at Cell CC3. • Surfaces of slopes that were observed to present singed of erosion (gullies, ruts) have been groomed
Retaining wall on San Fernando Road: • The observed in the drainage swale in July was removed and the swale cleaned • plants are growing through the precast elements of the wall (Photo 15) • sediments along curb on roadways block the drains from the swale (Photo 15)
Landfill for geotechnical and hydrological issues • no other geotechnical issues than that noted at access roads were observed during the visit

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Miscellaneous • it is our understand that ground motions were recorded at the site seismograph station during the channel island earthquake of 04/05/2018. Republic will look into getting the information.
12:30 – 1:00 PM Close-out meeting with Republic Staff representative to discuss findings of visit
FURTHER REVIEW NEEDED
• Vegetation should be removed from the cracks in spillway at Basin D and Terminal Basin. Those cracks should be grouted prior to the rainy season • Protocol if the drainage system from Basin A is not restored prior to the beginning of rainy season. How will Republic address the basin filling and potentially spilling if there is no channel installed (temporary or permanent) • Record of ground motion (I the seismograph was triggered) at the landfill following the channel island earthquake of 04/05/2018 should be reviewed in accordance with City of Los Angeles CUP M 4.1.4-11
COMMENTS
Signed:

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Photo 1: Landfilling in Cell CC4 – Part 1

Photo 2: Alternative daily cover at Cell CC4 – Part 1

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Photo 3: Sediment in terminal basin

Photo 4: Earth check dam at entrance of terminal basin

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Photo 5: Plants growing in cracks in wall of Terminal Basin

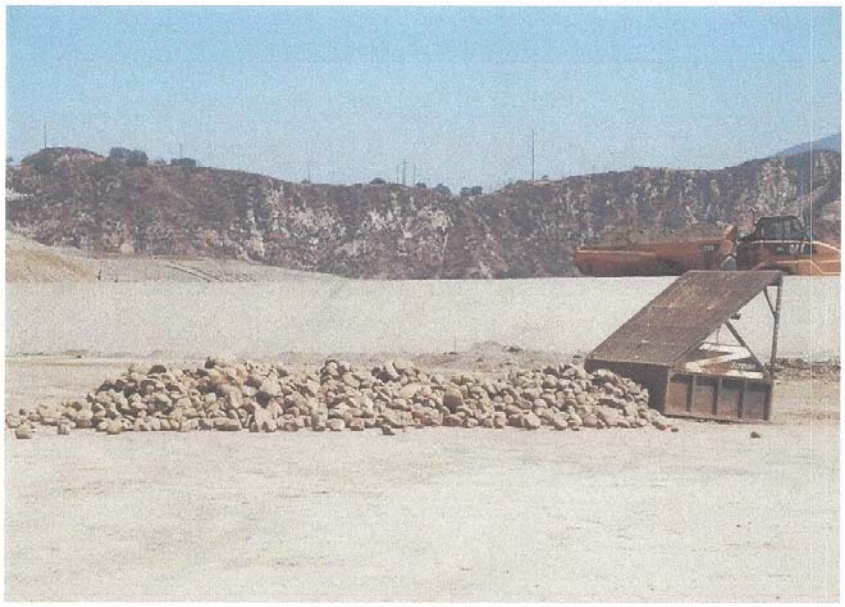

Photo 6: Rocks for drain tower filter at Basin A – leftover sediment to be removed in the back

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Photo 7: Spillway form Basin A shown in blue circle – Channel was removed downslope of basin

Photo 8: Basin B

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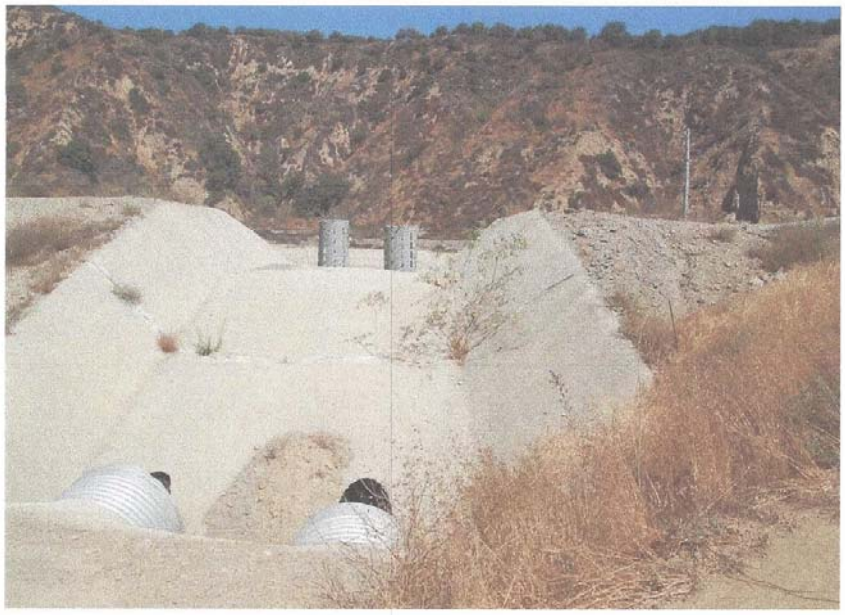

Photo 9: Cracked concrete spillway between two parts of Basin D and vegetation in crack

Photo 10: Separation between shotcrete and soil at Basin D

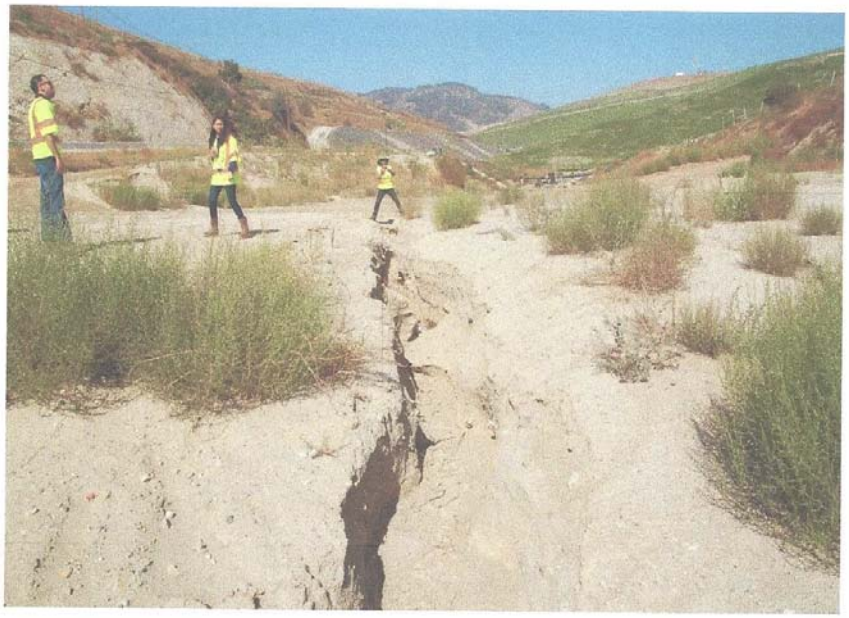

Photo 11: Gully in Cell CC3 basin

Photo 12: Erosion gully on downstream side of embankment of cell CC3 basin

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Photo 13: Sediments blocking the outlet drain of channel along the access road to the Flares 9-11

Photo 14: Repaired shotcrete sidewall of eastern drainage channel

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Photo 15: Debris in southern reach of east drainage channel

Photo 16: Retaining wall along San Fernando Road: Vegetation growing through precast elements of and sediments against curb blocking drains from swale

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September 25, 2018:

James Aidukas (UltraSystems)

Mike Lindsay (UltraSystems)

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SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT

Monitor: James Aidukas	Page: 1 of 2
Discipline: Project Manager	Date: 9/25/18
Site Conditions: Fog/Clearing, 60˚F, 0-10 MPH winds	

SITE LOG

Republic General Manager - Chris Coyle

Drove the Granada Hills neighborhood and school areas from 6:45 to 7:30 a.m. and there were no landfill odors detected. Drove Balboa Boulevard and at Woodley Avenue, there were liquid stains on the pavement. Walked near the stains and confirmed that there was a garbage odor at the stains, most likely from local garbage packer trucks.
Met with Mike Lindsay (UltraSystems), signed in, and proceeded to monitor the site and observed the following:

- The deep erosion rills along the north side of the concrete westside drainage into the terminal basin have not been repaired.
- The terminal basin inlet was blocked by an earthen berm. There was approximately six inches of ponding water. Sediment was removed from the basin except for areas adjacent to the outlet risers.
- Vegetation was growing in the basin's sidewall.
- Photos were taken of the vegetation growing and the condition of the main access road slopes prior to any rain.
- The leachate treatment equipment near the entrance is not being used. No odors were detected around the idle equipment. The drainage channel around the site was filled with dirt and was non-functional.
- The Old City South stockpile and slopes adjacent to the offices were graded and winterized with jute netting.
- Basin B is cleared of sediment and riser rock cleaned and put next to risers. The high flow outlet has cracks in the concrete that need to be sealed.
- Strong, constant odor was detected coming from the area near gas/liquids wells CTC 763, CLC5, and CTC 625, south of Basin B.
- The air filter on the Flare 9 air blower was plugged with dirt.
- The northern perimeter access gate was locked.
- The basin D outlet channel to the eastside channel was clean and ready for rain.
- The buttress soil stockpiled on the north County top deck is approximately 30-35 feet high.
- Basin D is dry and free of sediment. The high flow outlet to the westside channel has cracks in the concrete and the wall soil eroded away.
- The sacrificial liner to the westside drainage channel near the County sage mitigation area was being excavated and replaced.
- No mitigation activity is being done on the County sage slopes.

Page 2 of 2, 9/25/18:

- Basin A was dry, free of sediment, and had the rock cleaned and replaced around the outlet risers. Windblown trash is present in the back native vegetation.
- There is no outlet channel at Basin A due to the Part 3 buttress excavation.
- The gas pipeline to Flare 3 is cut in Basin A.
- The excavation of the toe of the slide for the Part 3 buttress is nearing completion.
- CC-4 Part 1 and Part 2 were active accepting waste.
- The liquids handling facility on the Old City North was operating and no odors were detected.
- The transfer tucks were causing dust clouds on the dirt access road near the CC-3B top deck.
- Well drilling was occurring on the CC-3A top deck. No odor were leaving the immediate area.
- Construction crews were tying in a liquids line to a well on the CC-3A top deck. There was an open pit pond with landfill liquids in it. The odor was extremely strong and carried 100-plus feet.
- City Deck B sage mitigation area appears to be ready for winter planting.
- City Deck C sage mitigation area is doing well and appears to be maintained.
- The PM-10 berm Oak trees need attention and possible watering. There were numerous trees that got burnt in the 115-degree days this summer.
- The Closure-Turf and Posi-Shell areas were being maintained. The area covered with Posi-Shell is slowly being reduced.

Flare Operating Conditions:

- Flare 1 - 1696˚F, 2146 SCFM, -57.69" vacuum, 38.61" out, 34% CH_4, 1.1% O_2, 80 ppm H_2S
- Flare 3 - shut down
- Flare 9 - 1658˚F, 2427 SCFM
- Flare 10 - 1653˚F, 2512 SCFM, -63.61" vacuum, 40.47" out
- Flare 11 - 1645˚F, 2434 SCFM

The gas-to-energy plant was using 9440 SCFM of recovered landfill gas, 45% CH_4, 1.9% O_2, 56 ppm H_2S. Total gas volume recovered was 18,959 SCFM.

FURTHER REVIEW NEEDED
COMMENTS
Signed:

SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT

Monitor: Mike Lindsay	Page: 1 of 2
Discipline: Environmental Engineer	Date: 09-25-2018 Tuesday
Site Conditions: Fog, 62–85 °F, 1–10 mph, 80% RH	

SITE LOG

1. Met with Jim Aidukas (UltraSystems), and checked into office.
2. Terminal basin outlet channel is clear of sediment.
3. Terminal basin skimmer hoses are buried in 3 feet of sediment, and could restrict their movement.
4. Vegetation is growing out of concrete cracks at terminal basin.
5. Drainage channel at leachate treatment facility by landfill entrance is covered with soil.
6. Old City south slopes by admin facility (stockpiled soil area) has had jute netting installed throughout.
7. Sediment basin B is clear of sediment, and its rock berm has been cleaned.
8. Cracks are present in concrete spillway at sediment basin B.
9. A strong gas odor is present near well CTC 625 at 10:00 AM.
10. Flare 9 is operating at 2458 scfm, 1660 °F. Gas sample measured at 45 % Vol. CH4, 1.9 % Vol. O2, 56 ppm H2S and over 500 ppm CO. Gas inlet temperature is at 138 °F.
11. Flare 10 is operating at 2471 scfm, 1655 °F.
12. Flare 11 is operating at 2368 scfm, 1647 °F. Blowers 1, 2, 3 and 4 are in operation.
13. Gas-to-energy plant is operating at full capacity.
14. Street sweepers are cleaning the haul roads.
15. Sediment basin D is in good order
16. High-flow spillway at sediment basin D still has concrete damage.
17. A new drainage and liner tie-in project has begun along the westside drainage channel south of sediment basin D.
18. Sediment basin A has been completely cleared of all sediment. Rock berm at riser drains have been cleaned.
19. Windblown trash is still present on back slope of sediment basin A.
20. Excavation work continues for cell CC-4 Part 3 and buttress area.
21. Traffic spotters are onsite to control traffic.
22. A new gas well is being drilled on top deck of cell CC-3A.
23. A strong liquid odor is present from liquid on the ground at drilling rig at top deck of cell CC-3A at 11:00 AM.
24. Cell CC-4 Part 1 and Part 2 working areas are in good order, including three tippers and traffic controllers. ADC is 20% covered with new trash at 11:20 AM.
25. Water trucks are applying water throughout site for dust control.
26. Bird abatement is in force at working areas including falconry and rockets.
27. Observed overall landfill operations from observation deck, including excavation work at Cell CC-4 Part 3 and buttress area.
28. Flare 1 is operating at 2159 scfm, 1692 °F. Gas sample measured at 34 % Vol. CH4, 1.1 % Vol. O2, 80 ppm H2S and 130 ppm CO. Gas inlet temperature is at 120 °F.
29. City deck C is in good order.

Page: 2 of 2 09-25-2018

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30. Met with Joshua Mills (Republic), and discussed our site monitoring observations.

FURTHER REVIEW NEEDED
1. Remove sediment at terminal basin skimmer hoses. 2. Remove vegetation in concrete cracks at terminal basin. 3. Repair concrete cracks at spillway at sediment basin B. 4. Eliminate gas odor at well CTC 625. 5. Repair concrete damage at high-flow spillway at sediment basin D. 6. Remove windblown trash at sediment basin A. 7. Eliminate liquid odor at Cell CC-3A well drilling operation.
Signed: Michael W. Lindsay

Appendix IV
Meeting Logs

Sunshine Canyon Landfill
Meeting Log for July 2018 Site Monitoring

July 5, 2018

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

Attendees:
James Aidukas, UltraSystems
Mike Lindsay, UltraSystems

Discussion:

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

a. James Aidukas stated that transfer trucks were observed exiting the landfill at excessive speeds. Also observed were transfer trucks going through a red light without stopping while making a right turn.
   - Chris Coyle stated that some of the independent contractors are difficult to control, and that Republic bans them when they are caught speeding or not observing traffic controls.

b. James Aidukas stated that there was a waste liquids odor detected on Balboa Boulevard at Woodley Avenue this morning at 7:45 AM. There were liquid stains observed on the inside lane that were odorous.
   - Chris Coyle acknowledged the statement. He stated that he would contact the City sanitation staff to see if they could clean this area of Balboa Boulevard. (See attached email from Republic and City sanitation.)

c. James Aidukas stated that illegally dumped tires, a bookcase, a couch, a mattress, and trash were observed along Sierra Highway, near the I-14 overpass.
   - Chris Coyle acknowledged the statement, and stated that he would notify the operations clean-up crew.

d. James Aidukas stated that we drove the Rancho Cascades neighborhood this morning and that no landfill odors were detected.
   - Chris Coyle acknowledged the statement.

e. James Aidukas stated that there was a faint localized greenwaste odor detected on Blucher Avenue this morning.
   - Chris Coyle acknowledged the statement.

f. James Aidukas stated that we observed that the San Fernando Road frontage retaining wall was being maintained and that the access walkway was cleared of dirt. The wall's water drainage outlets, however, were still plugged. The roadway curb and the exit acceleration lane had a significant amount of soil build-up and should be cleaned.
   - Chris Coyle stated that they will have a sweeper go and remove the soil.

g. James Aidukas stated that there is a significant amount of water in the terminal basin and water was observed flowing out of the basin's interior sidewall under drain system from a rising level of alluvial water.

- Tuong-phu Ngo stated that the alluvial water cutoff wall pump system is under repair, and that they will be pumping out the water in the basin at the risers until the alluvial system is fully operational.

h. James Aidukas asked what area is referenced in recent documents regarding water control issues (lysimeter data.)
   - Joshua Mills stated that the area is City North, by the Alder tank farm.

i. James Aidukas stated that new road base material was observed being placed on the County side perimeter roads.
   - Joshua Mills acknowledged the statement and stated that the roads around the whole site are being improved to control dust.

j. James Aidukas asked what the status was in determining what was causing gas being detected in the multiple perimeter monitoring wells at location 205.
   - Joshua Mills stated that they tuned the overall well system and have taken gas samples at the multiple wells at location 205. They have not obtained the results showing the gas composition. Republic believes that the low level gas readings are from a natural source of gas, not landfill gas.

k. Mike Lindsay stated that the northern secondary access road has deep erosion ruts where it is dirt.
   - Joshua Mills acknowledged the statement.

l. James Aidukas asked if the oak and Big Cone fir tree report has been prepared regarding the removal of trees for the buttress area excavation and the required number of mitigation trees to be planted.
   - Tuong-phu Ngo stated that the oak and Big Cone tree removal report will be a part of the year end annual report.

m. James Aidukas stated that the total volume of landfill gas being recovered today was about 19,600 SCFM with 9728 SCFM being used for power generation. He asked if there has been any progress on a plant expansion or a new type of facility to utilize the gas.
   - Chris Coyle stated that currently, the regulations and incentives are not in alignment with a utilization plan.

The meeting was then adjourned.

July 24, 2018

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

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

Discussion:

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

a. James Aidukas provided Republic with a list of landfill-related documents that would be helpful to have available at the site for agency and monitor review to streamline the monitoring efforts.
   - Joshua Mills stated that Republic will investigate how to accommodate making these documents more available.

b. James Aidukas asked what the status was of the perimeter gas monitoring wells that have been indicating the presence of gas.
   - Joshua Mills stated that they believe any indication of gas is from naturally occurring sources of gas, and that no remedial action is required since the concentrations are below the 5.0% methane threshold level.

c. James Aidukas stated that the two old abandoned oil wells that were buried by stockpiled soils were observed to be uncovered by the Cell CC-4 Part 3 buttress excavation.
   - Joshua Mills acknowledged the statement and stated that these wells will be re-abandoned when the CC-4 Part 3 cell construction occurs.

d. James Aidukas stated that there were no landfill odors in the neighborhood this morning. The odor previously detected on Balboa near Woodley on the July 5th monitoring was gone. There was a pleasant sweet smell from the deodorizing cleaner used by the City sanitation street sweeper.
   - Joshua Mills acknowledged the statement.

e. James Aidukas stated that at 8:00 AM, there was a slight liquids odor on San Fernando Road at the entrance to the site. A similar street cleaning, as was done on Balboa Boulevard, might be beneficial.
   - Joshua Mills acknowledged the statement.

f. James Aidukas stated that a Republic packer truck was stalled on the main haul road this morning, and was leaking a significant amount of liquids on the paved roadway.
   - Joshua Mills stated that Fred from Republic's operations department notified him of the occurrence.

g. James Aidukas stated that the CC-3B top deck had a strong liquid smell at GW-2100 and liquids were observed on the ground and there was a strong liquids odor at GW-2098. SCS Engineers were working on the CC-3B top deck liquids handling piping.

- Joshua Mills stated that there was a liquids force main that was leaking and that SCS was working on fixing the problem.

h. James Aidukas stated that we observed that the low flow outlet at the Cell CC-3B sediment basin was cleaned and working. However, the trash guard was not replaced.
   - Joshua Mills acknowledged the statement.

i. Tarik Hadj-Hamou stated that the terminal basin has vegetation growing in the concrete interior sidewalls and that the vegetation should be removed and the cracks repaired.
   - Joshua Mills acknowledged the statement.

j. Tarik Hadj-Hamou stated that the terminal basin has vegetation growing in the sediment and numerous birds were using the tall vegetation as habitat.
   - Joshua Mills acknowledged the statement.

k. Tarik Hadj-Hamou stated that we observed that seeps were being captured in the slopes of the CC-4 Part 3 buttress excavation area.
   - Joshua Mills acknowledged the statement.

l. Tarik Hadj-Hamou stated that the eastside drainage channel had sediment, rock from old gabions, and debris that needs to be cleaned out before the rainy season.
   - Joshua Mills acknowledged the statement.

m. Mike Lindsay stated that the illegally dumped bookcase, couch, and debris that was observed during the July 5th site monitoring were still present along Sierra Highway, near the I-14 overpass.
   - Joshua Mills acknowledged the statement and stated that he would notify the area clean-up crew.

n. James Aidukas stated that at approximately 7:45 AM, equipment was moving in CC-4A Part 1 and Part 2 and CC-3A causing a sustained, large dust plume over the area. No water trucks were operating.
   - Joshua Mills acknowledged the statement, and said he would advise operations of the problem.

o. Mike Harmon stated that there was no water being used to control large dust plumes coming from CC-4 Part 3 buttress soils being moved by scrapers and stockpiled on the County north top deck.
   - Joshua Mills stated he would advise Sukit of the dust issue and have them increase the use of water trucks.

p. Mike Harmon stated that crows were congregating at City deck B.
   - Joshua Mills acknowledged the statement and stated that he would have the biological consultant investigate if there was a reason.

q. James Aidukas asked what were the concerns of the City fire department and the current status of the Notice to Comply.
   - Joshua Mills stated that weed abatement issues around the helicopter landing pad were the reason to issue a Notice to Comply and that the weed removal has been done.

r. James Aidukas asked if the Big Cone fir mitigation trees on the canyon's north perimeter ridge had their water source re-establish and were now receiving adequate water.

- Joshua Mills stated that they met with the tree contractor last week to ensure that watering of the Big Cone fir was part of the routine maintenance.

s. James Aidukas stated that the oak trees at the PM-10 berm looked stressed may need watering due to the extreme heat.
   - Joshua Mills acknowledged the statement and stated that the tree maintenance contractor would be directed to look at the condition of the oaks.

The meeting was then adjourned.

Sunshine Canyon Landfill
Meeting Log for August 2018 Site Monitoring

August 29, 2018

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

Attendees:
Vu Truong, LACDPW
Maria Carlson, 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. James Aidukas asked what the status was for the CC-4A Part3 buttress.
   - Joshua Mills stated that they have removed two million cubic yards of dirt and have approximately 800,000 to complete the removal and engineered fill will be approximately one million cubic yard. Engineered fill will start in October and complete in December or January depending on the weather.

b. James Aidukas asked if the CC-4 Part 3 liner tie-in location has been changed.
   - Joshua Mills stated that the location has not changed.

c. James Aidukas asked when Cell CC-4 Part 3 will be lined.
   - Joshua Mills stated that it will be lined starting in Spring of 2019 and completed in late September..

d. James Aidukas asked if they have waste capacity in CC-4 Parts 1 and 2 to last until CC-4 Part 3 is completed.
   - Joshua Mills stated that they consume about three million cubic yards of airspace per year and that they have adequate air space.

e. James Aidukas stated that a Stericycle medical waste truck was observed leaking liquids on the main dirt access road east of cell CC-3A.
   - Joshua Mills stated that this is a hot-topic. They are working on with the hauler to require all trucks to control any liquid release from the trucks.

f. James Aidukas stated that the filter rock around the outlet risers in Basin B is plugged with sediment and does not drain.
   - Joshua Mills stated that they are scheduling the cleaning of the rock with the contractor.

g. James Aidukas stated that the eastside drainage channel south of sediment Basin B has two areas where the concrete wall is cracking and spalling.
   - Joshua Mills stated that they will locate and repair these areas by October 1.

h. James Aidukas stated that UltraSystems produced a map of the abandoned oil wells within Sunshine Canyon.

- Joshua Mills acknowledged the statement and received a hardcopy of the map. Electronic copies will also be sent to the County DPW and Republic.

i. James Aidukas stated that the total landfill gas recovered today is approximately 18,500 SCFM. The gas-to-energy facility was using 9596 SCFM, approximately 52% of the gas. He asked what the status was concerning expanding the facility.
   - Joshua Mills stated that they are having discussions with Sunshine Gas Producers concerning utilizing the gas being flared.

j. Mike Lindsay stated that ponding water is present at the terminal basin entrance and that this could be a mosquito problem.
   - Joshua Mills stated that they are working on drying the sediment in the terminal basin and the dirt berm will be removed soon.

k. Mike Lindsay stated that there were strong odors detected on the Cell CC-3A top deck coming from the CC-3B top deck and slope.
   - Joshua Mills acknowledged the statement and stated that SCS is working on the liquid removal system and drilling of additional wells in the CC-3B top deck and slope.

l. Mike Lindsay stated that windblown trash has accumulated at the back of sediment basin A.
   - Joshua Mills acknowledged the statement.

m. Vu Truong stated that the DPW Geotech Department would like to review the buttress slope stability data.
   - Joshua Mills stated that they had their contractor hire their own geotechnical engineering firm, who manages the slope sensors and data; and that they will have them supply the data to DPW.

n. Maria Carlson asked how the sensor system that monitors slope movement functions during excavation of the buttress slope.
   - Joshua Mills stated that the system is referred to as a Total Station, with prisms and lasers that calculate any movement.

The meeting was then adjourned.

Sunshine Canyon Landfill
Meeting Log for September 2018 Site Monitoring

September 12, 2018

Post-monitoring meeting with Joshua Mills and Michael DeYoung (Republic) at the CC-4 Part 3 buttress excavation site.

Attendees:
James Aidukas, UltraSystems
Tarik Hadj-Hamou, SLR
Mike Lindsay, UltraSystems
Gabriel Esparza (LACDPW)
Gladys Gallardo (LACDPW)

Discussion:

We met Joshua Mills and Michael DeYoung at the CC-4 Part 3 buttress excavation site. While at the excavation site, UltraSystems had its regular monitoring exit meeting providing Republic with the monitoring observations and receiving comments and updates from Republic.

a. Tarik Hadj-Hamou asked Joshua Mills to give a status summary for the buttress construction and to explain the slide movement monitoring program.
   - Joshua Mills stated that they were proceeding carefully as to not cause an accidental movement of the slide area. They installed a laser and prism movement detection system to monitor excavation with action required levels at 1/4", 1/2", and 1" movement. They were now excavating at the toe of the slide and expected to be ready to start constructing the buttress at the end of October with the completion in early December. He stated that he anticipated updating the County geotechnical engineers with the design changes by early October. Gabriel Esparza asked Joshua Mills to expedite any new design drawing and data and to provide DPW copies.

b. James Aidukas stated that he drove the Granada Hills and adjacent Sylmar neighborhood areas from 6:15 to 7:00 a.m. and there were no landfill odors detected.
   - Joshua Mills acknowledged the statement.

c. James Aidukas stated that ponding water was observed at the terminal basin entrance behind the dirt berm.
   - Joshua Mills stated that they are working on eliminating a leak at the water storage tank near CC-4 Parts 1 and 2. This is the cause of the water ponding in the terminal basin.

d. James Aidukas stated that an alluvial seep was observed being drained into the northwest (upper) area of Basin CC-3B. The water was being collected in a dirt holding pond.
   - Joshua Mills acknowledged the statement and stated that Republic was attempting to find the source. Water quality test indicate it is typical alluvial water.

e. James Aidukas stated that the liquids handling facility on Old City North had strong localized odors emitting from the facility during maintenance work being done by SCS. There odors were detected on the top deck of CC-3A. These odors were locally contained onsite.

- Joshua Mills acknowledged the statement and stated that SCS was to complete the maintenance work by early afternoon.

f. James Aidukas stated that we observed that slopes were being winterized with jute netting and straw wattles.
   - Joshua Mills stated that more areas will be done before October 15.

g. Mike Lindsay stated that windblown trash has accumulated at the back of sediment basin A in the native vegetation.
   - Joshua Mills acknowledged the statement.

The meeting was then adjourned.

September 25, 2018

Post-monitoring meeting with Joshua Mills and Dennis Montano (Republic).

Attendees:
James Aidukas, UltraSystems
Mike Lindsay, UltraSystems

Discussion:

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

a. James Aidukas stated that there were liquid stains on the right hand lane on Balboa Boulevard at Woodley Avenue. When he walked to the stains, he confirmed that there was a garbage odor at the stains that was most likely cause from local garbage packer trucks.
   - Joshua Mills stated that this is a recurring issue with the City regarding street cleaning of Balboa Boulevard at this intersection. Chris Coyle has been working with City of Los Angeles staff on a short and long-term solution.

b. James Aidukas stated that the skimmer hoses at the terminal basin are buried with 2-3 feet of dry sediment.
   - Joshua Mills stated that they will be removing the sediment and freeing the hoses to have maximum movement.

c. James Aidukas asked when the soil berm will be removed at the terminal basin entrance.
   - Joshua Mills stated that the berm will be removed as soon as repairs are completed on the water storage tank, which has a small leak.

d. James Aidukas stated that there were deep erosion rills along the north side of the concrete westside drainage into the terminal basin and also undermining the side of the channel.
   - Joshua Mills stated that they will put this on the winterization to-do list.

e. James Aidukas stated that the monitors observed watering was occurring at the City Deck B sage mitigation area.
   - Joshua Mills stated that they were leaching the soil in preparation of planting.

f. James Aidukas asked about the sulfide exceedance violation at the sewer discharge.
   - Joshua Mills stated that they have retested the waste stream, and are waiting for the laboratory results.

g. James Aidukas asked what the status was of the old leachate treatment facility by the landfill entrance.
   - Joshua Mills stated that it is used for contingency purposes only.

h. James Aidukas stated that a strong, constant odor was detected coming from the area near gas/liquids wells CTC 763, CLC5, and CTC 625, south of Basin B.
   - Joshua Mills acknowledged the statement and said he would have SCS investigate why these odors occurred and how to fix it.

i. James Aidukas asked what was the scope of work for the sacrificial liner replacement project.

- Joshua Mills stated that they will be removing the old sacrificial liner and soil under it and installing a gas recovery system and a new sacrificial liner. This work will be completed in October.

j. James Aidukas stated that the monitors observed a construction crew was tying in a liquids line to a well on the CC-3A top deck. There was a sizeable open pit pond with landfill liquids in it. The odor was extremely strong and carried 100-plus feet.
   - Joshua Mills stated that they will check into it and take appropriate action to control odors.

The meeting was then adjourned.