

**Sunshine Canyon Landfill
Independent Monitor
Quarterly Site Monitoring Status Report
April 1, 2018 – June 30, 2018**

Prepared For:

City of Los Angeles Department of City Planning

And

County of Los Angeles Department of Regional Planning



Prepared By:



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Prepared On:

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UltraSystems
environmental | management | planning

CERTIFICATION STATEMENT

September 26, 2018

The attached Quarterly Site Monitoring Status Report for the Sunshine Canyon Landfill dated September 26, 2018 is the Second Quarterly Report for 2018, issued by UltraSystems. This report covers the monitoring period from April 1, 2018 through June 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,

James T. Aidukas

Project Manager

Contents

Quarterly Status Report..... 1

Site Visits During the Quarter..... 2

Definition of Terms..... 2

Status Summary 2

Compliant..... 2

Non-Compliant 3

Further Review Needed..... 3

Summary of Requested Documents..... 19

Conclusions 19

Sunshine Canyon Landfill City Mitigation Monitoring Summary
(see spreadsheet)

Sunshine Canyon Landfill County Mitigation Monitoring Summary
(see spreadsheet)

Appendices

- Appendix I Further Review Needed Comments: Reference I-f through I-i
- Appendix II Photo Location Map and Relevant Site Photos
- Appendix III Quarterly Site Visits
- Attendees by Date and Mitigation Monitoring Site Reports
- Appendix IV Meeting Logs

Quarterly Status Report

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

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

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

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

1. The City and County Mitigation Monitoring Summary spreadsheets for April 1, 2018 to June 30, 2018. These spreadsheets record the areas of monitoring completed and the status of being compliant during the second 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

Four site visits were performed by UltraSystems during the April through June 2018 quarter in order to observe operational site activities and determine compliant status with conditions and/or mitigation measures. They were performed on April 24, 2018; May 10, 2018; May 22, 2018; and June 12, 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 landfiling 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 CC-4A Part 3 buttress initial grubbing started in late March. 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 heavy 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 April, grading for the buttress for Cell CC-4 Part 3 began. The biologist consultant cleared an initial area for grubbing. The fulltime biologist was at the vegetated and tree area during grubbing to look for nesting birds. A paleontologist was onsite fulltime during the grading operations. Cell CC-4A Part 2 was accepting waste and Part 1 was inactive. Part 1 had grading occurring on the north side of the top deck.

In early May, grubbing and initial grading was being done at the CC-4 Part 3 buttress area. Two areas were restricted to no activity within 50 feet due to nesting birds. A paleontologist monitor was onsite monitoring activities in the buttress area. A Sixence system to monitor the CC-4 Part 3 buttress area during the landslide removal process was installed at the lower portion of the existing slide area to monitor for any movement. Cell CC-4 Part 2 was accepting waste and Cell CC-4 Part 1 was not operating.

In late May, grubbing and minor grading was being done at the CC-4 Part 3 buttress area. Two areas were still restricted to no activity within 50 feet because of nesting birds. A paleontologist was onsite monitoring activities in the buttress area. CC-4 Part 2 was active and accepting waste. CC-4 Part 1 was not operating.

In mid-June, CC-4 Part 3 buttress grading had two dozers and six scrapers operating. Full grading activity was restricted because two slope areas could not be graded due to nesting birds. CC-4 Part 2 was accepting waste; CC-4 Part 1 was not operating.

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 2nd 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 early May, the main haul road was a long non-paved road that looped around the eastern side of Cell CC-3A. The road was being watered. Dust occurred between watering. Recycled asphalt or aggregate material was not being used. No road sealant was applied on this section of the dirt road.

In mid-June, roadway dust was observed coming from areas along the main haul road above the Cell CC-3B top deck. Other areas of the main access dirt road had Landlock soil stabilizer applied on it. Recycled aggregate was being placed on the main perimeter access road to control dust emissions.

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 foregoing, the Permittee shall be exempt from this Condition No. 52 if, as a 'part of its annual report required by Part X of the IMP, the Permittee determines that any such activity or project is infeasible, which determination shall be subject to the review and approval of the Director of Public Works.

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

Current Status/Comments – In late April, the gas-to-energy plant was using 7597 SCFM of recovered landfill gas, 45% CH₄, 1.3% O₂, 60 ppm H₂S. Flare 1: 2380 SCFM; Flare 3: 2510 SCFM; Flare 9: 2448 SCFM; Flare 10: shut down; Flare 11: 2528 SCFM. The total volume of landfill gas being recovered was 17,463 SCFM.

In early May, the gas-to-energy plant was shut down and not using any landfill gas. The recovered landfill gas had 45% CH₄, 0.6% O₂, 62 ppm H₂S. Flare 1: 2260 SCFM; Flare 3: 3349 SCFM; Flare 9: 4398 SCFM; Flare 10: 3250 SCFM; Flare 11: 4271 SCFM. The total volume of landfill gas being recovered was 17,528 SCFM.

In late May, the gas-to-energy plant was using 9674 SCFM of recovered landfill gas, 45% CH₄, 0.7% O₂, 51 ppm H₂S. The facility was at 100% production. Flare 1: 2220 SCFM; Flare 3: No access to

flare; Flare 9: shut down; Flare 10: 3572 SCFM; Flare 11: 2812 SCFM. The total volume of landfill gas being recovered was 18,278 SCFM.

In mid-June, gas recovery and utilization were not monitored.

The quantity of landfill gas being recovered during the 2nd Quarter has averaged 17,756 SCFM, with the gas-to-energy plant usage averaging 8992 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 2, and the removal of stockpiled soil for waste cover. These activities are inside the approved landfill footprint.

M-4.1.1(6) (City)

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

M-4.2.11(23) (City)

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

M-4.2.12 (28) (City)

Site Erosion

c. A temporary vegetation cover shall be established on all slopes that are to remain inactive for a period longer than 180 days.

d. An SCAQMD approved soil stabilization (sealant) product shall be used to retard soil erosion and enhance revegetation. Soil sealant shall be applied when necessary to selected working areas of the landfill. The sealant will also be used as a binder or tackifier to hold seen during revegetation mulch, and fertilizers in-place until grasses become establish and stabilize on the landfill surface.

Geology-1.13 (County)

Revegetation and erosion control of all exposed slopes will be an ongoing process. The erosion controls to be implemented at the site will include soil stabilization measures and revegetation in accordance with the approved Revegetation Program. The installation of interceptor ditches shall be designed for the diversion of storm runoff to sedimentation basins. Sediment traps will be used at points of runoff concentration along the perimeter of exposed slopes surfaces.

Condition: Approval of drainage plan. Retention of a consulting horticulturalist/Registered Professional Forester and an independent qualified biologist by the permittee for ongoing supervision of revegetation programs. Review and monitoring of planting programs by County Forester.

Geology-1.14 (County)

To prevent soil erosion on the face of the landfill, interim vegetation measures will be taken after placement of the temporary soil layer (even though the area may be disturbed by future filling operations). Vegetative cover will be placed as in the approved Revegetation Program.

Condition: Retention of a consulting horticulturalist/Registered Professional Forester and an independent qualified biologist by the permittee for ongoing supervision of revegetation programs. Review and monitoring of planting programs by County Forester.

Biota – 4.42 (County)

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

Air Quality - 6.02 (County)

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

Visual-10.08 (County)

Cover/Revegetation Requirements

The permittee shall comply with the following cover and re-vegetation requirements at the Landfill:

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

Revegetation Requirements

(5) Notwithstanding the foregoing, the permittee shall not be bound by the previous provisions of this Condition No. 44, but instead by the requirements of the County LEA, so long as the Limits of Fill are not exceeded, if in consultation with the Department of Public Works, the County LEA determines that a different re-vegetation design or plan:

(1) would better protect public health and safety;

(2) would enable revegetation of the final slopes at least as well as shown in Exhibit "B" described in subsection D, above; and/or experts, including an independent, qualified bio (3) would be required because the minimum standards adopted by the CIWMB have been amended;

(6) the permittee shall employ an expert or biologist, to satisfy this Condition No. 44. Soil sampling and laboratory analysis shall be conducted in all areas that are required to be re-vegetated before any re-vegetation occurs to identify chemical or physical soil properties that may adversely affect plant

growth or establishment. Soil amendments and fertilizer recommendations shall be applied and plant materials selected, based on the above referenced testing procedures and results. To the extent possible, plant types shall blend with species indigenous to the area, be drought tolerant, and be capable of rapid growth. The selected plants shall not include nonindigenous species that are likely to be invasive of adjacent natural areas.

Biota - Revegetation - 44.A (County)

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

Revegetation - 44.F/44.F CUP (County)

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

Current Status/Comments – In late April, Cell CC-3A Closure Turf was observed to be functioning well, with no problem areas. The eastern slopes of CC-3A that were hydroseeded had vegetation well established. There were areas with erosion rills from rainwater runoff that will need to be repaired with possible additions of temporary HDPE-lined downslope drainage channels. The north- and south-facing slopes of cell CC-3A also had vegetation doing well. There was minimal vegetation seen on the top deck of CC-3A. The Posi-Shell covered slopes had areas that needed repair. These areas had some cracking and movement. The vegetation on the south-facing slope above the top deck of CC-3B that was hydroseeded was doing well with 50-60% success.

In early May, the hydroseeded areas of CC-3B, CC-3A, and the County Bowl have died due to the hot weather in the non-irrigated areas. The vegetation will provide some soil stabilization and prime fall reseeding areas. The Closure Turf and Posi-Shell areas have been maintained and are performing well. The main haul road was a long non-paved road that looped around the eastern side of Cell CC-3A. The road was being watered. Dust occurred between watering. No road sealant was being used.

In late May, the hydroseeding on the CC-3A top deck had minimal germination. 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.

In mid-June, the Posi-Shell and Closure Turf were being maintained. The perimeter landfill road was being improved by placing recycled concrete and asphalt to control periodic dust emissions from use by vehicles.

M-4.1.1 (7) (City)

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

Current Status/Comments – In the 2nd Quarter, the two old oil well steel casings in the area north of the office were located in the CC-4 Part 3 buttress grading area. 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 re-abandoned, 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 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 application of the cover material to seal the landfill surface, or adjustments to the wells, equipment, and operation of the LFG collection and recover system.

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

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

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

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

Amendment 45.N - 5 (County)

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

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

SCAQMD with their monitoring results noted in their reports. Only obvious gas emission sources, odorous operations related to gas and/or gas and landfill liquids, lack of cover, or exposed trash resulting in odor observed during UltraSystems' monitoring visits are reported.

In late April, the monitor drove the Granada Hills neighborhood area from 6:30 to 7:15 a.m., and there were no odors detected. The slope area between well 2085 and the tote container and north of GW-3009D had a strong localized odor. This area had prior liquid spill/seep problems. SCS was working on a liquid handling pipeline and liquid well pumps. A gas well was also being installed.

In early May, the monitor drove the Granada Hills neighborhood areas from 6:45 to 7:15 a.m., and there were no landfill odors detected. A strong localized landfill gas odor was detected on the top deck of CC-3A near the Rain-for-Rent water tank. It was coming from the area of GW 3014D on the CC-3B top deck.

In late May, the monitor drove the Granada Hills neighborhood area from 6:30 to 7:15 a.m., and there were no landfill odors detected. The monitor also drove the Granada Hills adjacent neighborhood and school from 9:00 to 9:30 a.m., and no landfill odors were detected. A localized gas odor was detected at Well 2091 at the north edge of the CC-3B top deck. A strong gas and/or liquids odor was detected on the CC-3A top deck near the Rain-for-Rent water tank. The odor was coming from the general area of Well 2091. Maintenance of a well liquid removal pump was being done on the deck in another area of the CC-3B top deck. A localized odor was detected at GW-701.

In mid-June, the monitor drove the Granada Hills neighborhood areas from 6:30 to 7:30 a.m., and there were no landfill odors detected in the adjacent neighborhood and at Van Gogh school. There were liquid stains on Balboa at Woodley, and faint trash odors were detected. Localized odors were detected on CC-3B top deck and CC-3A top deck, possibly coming from the well drilling on CC-3B.

Throughout the 2nd 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.

During the 2nd Quarter, surface drainage systems were in place to intercept or divert rainwater away from prior landfill cells and current filling operations. Most of these were temporary systems in active areas, and most conveyance V-ditches were unlined. The effectiveness of the erosion control measures being used on the site need to be evaluated and modified for future use. Significant erosion occurred in the landfill area from uncontrolled drainage and ineffective straw wattles. Ponding occurred in numerous areas after every rain event.

In late April, the eastern slopes of CC-3A had areas with erosion rills from rainwater runoff that need repair, with possible additions of temporary HDPE-lined downslope channels. The stockpiled soil adjacent to the east and west Closure Turf edges had deep erosion rills. County Bowl slopes had extensive erosion rills.

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 basins 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 late April, Basin A was dry with sediment moved and piled to dry. Sediment Basin B was dry and sediment stockpiled to dry. The back native hillside vegetation had windblown litter. Basin D was clear of sediment and dry. The terminal basin was dry and had sediment moved and piled to dry.

In early May, Basin A was dry with sediment moved into piles to dry. Tree trunks and HDPE pipe supports were stockpiled in the basin from the Flare 3 gas pipeline construction activities. A Flare 3 pipeline service road was constructed at the back of the basin. Basin B was dry and cleared of sediment. The back native hillsides have windblown litter. Basin D was dry and free of sediment. The terminal basin had standing water at the outlet risers. Sediment was stockpiled and drying.

In late May, Basin A had minimal stagnant water at the outlet riser. All but one pile of sediment was removed. Basin B was dry and cleared of sediment. The back native hillside had minimal windblown litter. The terminal basin had standing water around the outlet risers, possibly from the alluvial seeps. Sediment was stockpiled for drying and removal.

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 May, the Basin D outlet channel directly out of the basin has soils with vegetation growing in the channel bottom.

In late May, the alluvial water cutoff wall pumps were not working, and alluvial water was seeping into the terminal basin. Republic's maintenance personnel were replacing the level control switch. The terminal basin had standing water around the outlet risers, possibly from the alluvial seeps. Sediment was stockpiled for drying and removal. The hillside retaining wall south of the entrance had loose rock and soil removed from the slope, and the rock and soil removed from the top of the wall. Soil in front of the wall and at the roadway curb was not removed. The wall drains were plugged with soil. The CC-3B basin had the low-flow drain cleared of debris. The water flow path to the drain was not HDPE-lined or rock armored. Deep ruts were observed. No debris cap was put on the low-flow drain. The eastside drainage channel had gravel and soil behind the humps in the channel that should be cleared.

In mid-June, water was ponding in the Terminal basin. The alluvial pumps at the cutoff wall were not operational.

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 late April, City Deck B sage mitigation had final grading, staking and development activities in progress. City Deck C sage mitigation had maintenance personnel at the site. The County sage mitigation areas covered with jute netting and hydroseeded were growing vegetation on approximately 50% of the area.

In early May, the City Deck B sage mitigation area had fine grading completed and irrigation piping installed. The City Deck C sage mitigation area was doing well. Yearly non-native removal and salt bush trimming had not yet been performed. The PM-10 trees were doing well. The understory, however, had a thick cover of mustard that should be removed. The hydroseeded vegetation on the County sage mitigation slopes has died from the hot weather. This area will be prime for fall sage and other native seeding. Other areas with native vegetation have flowered.

In late May, the City Deck B sage mitigation area had planting flagging in place, and appeared to be ready for planting and seeding when fall weather conditions occur. City Deck C sage mitigation was doing well. Maintenance to remove non-natives had not yet occurred. There was mustard around the perimeter and within the mitigation area. The PM-10 oak trees had dense mustard vegetation in the understory about 3 feet high. The areas that had jute netting installed and were hydroseeded

on the County sage area slopes germinated, grew, and died. The dead plants appeared to be beneficial for future seeding.

In mid-June, the City Deck B sage mitigation area was ready for planting in the fall. City Deck C sage mitigation was showing signs of die-back from the hot weather.

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-gallon container trees. Mitigation trees shall be planted prior to impacted trees being removed, thus allowing trees 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 – In the 2nd 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 CC-4 Part 3 Buttress, 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 2nd Quarter, the MND Addendum environmental document for the Chatsworth Reservoir Wetland/Riparian Mitigation Project required a Native American Resources and Impact Analysis with consultation with the Chumash. The analysis was completed in late March 2018, and requirements/ mitigation measure recommended. The MND Addendum is now being modified to include the Native American analysis. The City of Los Angeles is preparing a draft ordinance.

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 services 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 late April, San Fernando Road from the Old Road to the landfill entrance had areas with windblown litter and a door dumped on the northbound shoulder. North of the entrance along the landfill wall on San Fernando Road was an illegally-parked abandoned mobile office trailer. Sierra Highway near the I-14 overpass was free of windblown litter and debris.

In late May, San Fernando Road from the Old Road to the landfill entrance had areas with windblown litter and an illegally dumped door on the eastern shoulder, across from the Jensen Filtration entrance.

In mid-June, San Fernando Road from the Old Road to the landfill entrance had areas with windblown litter.

M-4.9.4(125) (City)

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

Current Status/Comments – Throughout the 2nd Quarter of 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 2nd Quarter of 2018, a paleontologist was monitoring grading activities in and adjacent to Cell CC-4 Part1, Part 2, and Part 3 buttress construction when grading 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 Second Quarter Mitigation Monitoring Summary spreadsheets track the progress and completion of tasks as they were accomplished during this quarterly period.

**Sunshine Canyon Landfill City Mitigation Monitoring Summary
(04-01-2018 through 06-30-2018)**

Line #	Reference #	Mitigation #	City Mitigation Measures and Conditions Monitored by Discipline	Monitoring Frequency	First Quarter 2018																		Second Quarter 2018																										
					1/10/2018	Status*	Further Review Needed/Comments**	Resolved*	1/30/2018	Status*	Further Review Needed/Comments**	Resolved*	2/20/2018	Status*	Further Review Needed/Comments**	Resolved*	3/14/2018	Status*	Further Review Needed/Comments**	Resolved*	3/29/2018	Status*	Further Review Needed/Comments**	Resolved*	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*									
1	Project Manager																																																
2																																																	
3																																																	
4	Q - A.3.		Definitions	info	/				/				/				/				/				/				/				/				/				/								
5	Q - A.6.		Submit Annual Reports	June yearly	/				/				/				/				/				/				/				/				/				/								
6	Q - A.10.		Provision of Fees	yearly	/				/				/				/				/				/				/				/				/				/								
7	Q - B.1.		Permitted/Prohibited Landfill Uses	yearly	/				/				/				/				/				/				/				/				/				/								
8	Q - B.2		Approval of Landfill	ongoing	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE
9	Q - B.2.c.		Ancillary Uses and Facilities	ongoing	✓	FRN	I-a	✓	FRN	I-b	✓	FRN	I-c	✓	FRN	I-d	✓	FRN	I-e	✓	FRN	I-f	✓	FRN	I-g	✓	FRN	I-h	✓	FRN	I-i	✓	FRN	I-j	✓	FRN	I-k	✓	FRN	I-l	✓	FRN	I-m	✓	FRN	I-n	✓	FRN	I-o
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	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE
12			10 Year Phase Review																																														
13	Q - B.4.d.		Inert/Exempt Materials	info	/				/				/				/				/				/				/				/				/				/				/				
14	Q - B.5.a.		Prohibited Waste	info	/				/				/				/				/				/				/				/				/				/				/				
15	Q - B.6.		Waste Diversion	ongoing	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE
16	Q - C.3.g.		Paved Access Roads	ongoing	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE
17	Q - C.3.h.		Surfacing of Access Roads	ongoing	✓	FRN	I-a	✓	FRN	I-b	✓	FRN	I-c	✓	FRN	I-d	✓	FRN	I-e	✓	FRN	I-f	✓	FRN	I-g	✓	FRN	I-h	✓	FRN	I-i	✓	FRN	I-j	✓	FRN	I-k	✓	FRN	I-l	✓	FRN	I-m	✓	FRN	I-n	✓	FRN	I-o
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	✓	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-a	✓	FRN	I-b	✓	FRN	I-c	✓	FRN	I-d	✓	FRN	I-e	✓	FRN	I-f	✓	FRN	I-g	✓	FRN	I-h	✓	FRN	I-i	✓	FRN	I-j	✓	FRN	I-k	✓	FRN	I-l	✓	FRN	I-m	✓	FRN	I-n	✓	FRN	I-o
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-a	✓	FRN	I-b	✓	FRN	I-c	✓	FRN	I-d	✓	FRN	I-e	✓	FRN	I-f	✓	FRN	I-g	✓	FRN	I-h	✓	FRN	I-i	✓	FRN	I-j	✓	FRN	I-k	✓	FRN	I-l	✓	FRN	I-m	✓	FRN	I-n	✓	FRN	I-o
27	T - 5.j.		Trip Diversion	status	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE

* C = Compliant, NC = Non-Compliant, FRN = Further Review Needed, R = Resolved

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28	T - 6		Satisfactory Street Lighting	status	/				/				/				/				/				/				/				/				/				
29																																									
30	M - 4.1.1	7	Reabandonment Procedures	status	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		
31	M - 4.1.4	11	Post-5.0 Earthquake Analysis	upon event	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		✓	FRN	I-h		/	NA	NONE		/	NA	NONE		
32	M - 4.2.12	27	Heavy Equipment Operations	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		
33	M - 4.2.12		Heavy Equipment Operations	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		
34	M - 4.2.12	28	Site Erosion-Cover	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	I-f		✓	C	I-g		✓	C	I-h		✓	C	I-i		
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-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		
37	M - 4.2.13	29	LFG Control Measures	ongoing	/		I-a		/		I-b		/		I-c		/		I-d		/		I-e		/		I-f		/		I-g		/		I-h		/		I-i		
38	M - 4.2.13	30	Operational Odor Control Techniques	ongoing	/		I-a		/		I-b		/		I-c		/		I-d		/		I-e		/		I-f		/		I-g		/		I-h		/		I-i		
39	M - 4.2.13	31	Solid Waste Compaction	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		
40	M - 4.2.13	32	LFG Collection and Recovery System	ongoing	/		I-a		/		I-b		/		I-c		/		I-d		/		I-e		/		I-f		/		I-g		/		I-h		/		I-i		
41	M - 4.2.13	33	Odor Control Measures	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		
42	M - 4.2.13	34	Odor/LFG Monitoring	ongoing	/		I-a		/		I-b		/		I-c		/		I-d		/		I-e		/		I-f		/		I-g		/		I-h		/		I-i		
43			Periodic LFG Monitoring		/		I-a		/		I-b		/		I-c		/		I-d		/		I-e		/		I-f		/		I-g		/		I-h		/		I-i		
44	M - 4.3.2	52	LFG Migration Mitigation	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		
45	M - 4.3.2	57	Dust Control Water	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		
46	M - 4.4.2	69	Offsite Mitigation Sites	status	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		
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		

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55	M - 4.9.3	110	Illegal Dumping Activities	ongoing	✓	FRN	I-a							✓	FRN	I-d		✓	FRN	I-e		✓	C	NONE		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i			
56	M - 4.9.3	111	Radio Dispatch Litter Control	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE				
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				
58	M - 4.9.5	127	Address Concerns of Citizens' Advisory Committee	ongoing	/				/				/				/				/				/				/				/						
59	M - 4.9.6	128	Landfill Gas/Collection System-Unsafe Methane Levels Monitoring	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE				
60	M - 4.9.6	129	Landfill Gas/Collection System-Detection/Training	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE				
61	M - 4.9.6	130	Landfill Gas/Collection System-Risk Mitigation	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE				
62	M - 4.16.4	176	Reclaimed Water	status	/				/				/				/				/				/				/				/						
63	M - 4.16.4	177	Water Conservation	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE				
64																																							
82	Civil & Geotechnical Engineer																																						
83																																							
84																																							
85	M - 4.1.1	2	Grading Outside of Conceptual Grading Plan Area	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i
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-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i
88	M - 4.1.1	5	Grading Activity Compliance	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i
89	M - 4.1.2	8	Landslide Guidelines	ongoing																																			
90	M - 4.1.2	9	Soil Stabilization	ongoing																																			
91	M - 4.1.4	10	Landfill Design	ongoing																																			
92	M - 4.1.4	11	Earthquake Operations Checklist	upon event	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		✓	FRN	I-h		/	NA	NONE				
93	M - 4.1.5	12	Geologic Hazards - Liquefaction	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i
94	M - 4.1.5	13	Design/Construction-Liquefaction	ongoing																																			
95	M - 4.1.5	14	Design/Construction-Containment Structures	ongoing																																			
96	M - 4.1.6	15	Refuse Slope Gradients	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE
97	M - 4.1.6	16	Cut and Fill Slope Gradients	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE
98	M - 4.1.6	17	Final Slope Factors of Safety	ongoing																																			

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99	M - 4.1.6	18	Survey Monuments	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i	
100	M - 4.3.2	47	Landfill Liner	ongoing																																				
101	M - 4.3.2	48	Landfill Liner	ongoing																																				
102	M - 4.3.2	54	Preliminary Closure/Postclosure Plan	status																																				
103	M - 4.3.2	55	Landfill Design/Operation/Final Closure Monitoring	status																																				
104	M - 4.3.2	56	Cover Application	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
105	M - 4.14.1	155	Access Roadway Grade	ongoing	✓	C	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-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i	
107																																								
108	Hydrologist																																							
109																																								
110																																								
111	M - 4.1.4	11	Earthquake Operations Checklist	upon event	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		✓	FRN	I-h		/	NA	NONE	
112	M - 4.3.1	36	Surface Water Infiltration Minimization	ongoing																																				
113	M - 4.3.1	37	Surface Drainage Systems	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i	
114	M - 4.3.1	38	Permanent/Temporary Ditches	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	C	I-f		✓	C	I-g		✓	C	I-h		✓	C	I-i	
115	M - 4.3.1	39	Drainage Protection	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	C	I-f		✓	C	I-g		✓	C	I-h		✓	C	I-i	
116	M - 4.3.1	40	SWRCB Permit Coverage	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	C	I-f		✓	C	I-g		✓	C	I-h		✓	C	I-i	
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-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h					
120	M - 4.3.1	44	Final Landfill Cover	ongoing																																				
121	M - 4.3.1	45	Erosion Control Plan	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i	
122	M - 4.3.1	46	Preventive Maintenance Program	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i	
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	
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	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	C	I-f		✓	C	I-g		✓	C	I-h		✓	C	I-i		
131	M - 4.2.11	23	Revegetation/Excavation	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	C	I-f		✓	C	I-g		✓	C	I-h		✓	C	I-i		
132	M - 4.2.12		Temporary Vegetation Cover	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	C	I-f		✓	C	I-g		✓	C	I-h		✓	C	I-i		
133	M - 4.4.1	60	Coastal Sage Scrub Mitigation Plan	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h	R	✓	FRN	I-i		
134	M - 4.4.1	61	Coastal Sage Scrub Seeding	ongoing																																					
135	M - 4.4.1	62	Mariposa Lily Mitigation Plan	ongoing	/				/				/				/				/				/				/				/				/				
136	M - 4.4.1	63	San Diego Horned Lizard Mitigation	ongoing	/				/				/				/				/				/				/				/				/				
137	M - 4.4.1	64	California Gnatcatcher Surveys	ongoing	/				/				/				/				/				/				/				/				/				
138	M - 4.4.1	65	Least Bell's Vireo Surveys	ongoing	/				/				/				/				/				/				/				/				/				
139	M - 4.4.1	66	Western Burrowing Owl Surveys	ongoing	/				/				/				/				/				/				/				/				/				
140	M - 4.4.1	67	Migratory Bird Treaty Act	ongoing	/				/				/				/				/				/				/				/				/				
141	M - 4.4.1	68	Raptor Nests Habitat	ongoing	/				/				/				/				/				/				/				/				/				
142	M - 4.4.3	72	Native Tree Mitigation	ongoing																																					
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	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		
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																																					

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156	M - 4.9.2	99	Rodent Control	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
157	M - 4.9.2	100	Operational Vector-Limiting Activity	ongoing																																				
158	M - 4.9.2	101	Equipment Cleanliness/Maintenance	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
159	M - 4.9.2	102	Storage of Vector-Attracting Items	ongoing																																				
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																																				

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[illegible]

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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		/	NA	NONE	
217	M - 4.19.2	188	Paleontological Resources Excavation	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
218	M - 4.19.2	189	Paleontological Resources Training	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
219	M - 4.19.2	190	Paleontological Resources Recovery	ongoing																																								
220	M - 4.19.2	191	Paleontological Resources Inspection	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	C	I-f		✓	C	I-g		✓	C	I-h		✓	C	I-i		✓	C	I-i	

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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		✓	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		✓	C	NONE
6	Amendment 45.N - 4.a	45N	Order for Abatement Status	ongoing	/		I-a		/		I-b		/		I-c		/		I-d		/		I-e		/		I-f		/		I-g		/		I-h		/		I-i		/		I-i
7	Amendment 45.N - 4.c	45N	Odor Patrol Program	ongoing	/		I-a		/		I-b		/		I-c		/		I-d		/		I-e		/		I-f		/		I-g		/		I-h		/		I-i		/		I-i
8	Amendment 45.N - 4.d	45N	Landfill Gas Mitigation Plan	ongoing	/		I-a		/		I-b		/		I-c		/		I-d		/		I-e		/		I-f		/		I-g		/		I-h		/		I-i		/		I-i
9	Amendment 45.N - 5	45N	Dust and Odor Reports	ongoing	/		I-a		/		I-b		/		I-c		/		I-d		/		I-e		/		I-f		/		I-g		/		I-h		/		I-i		/		I-i
10																																											
11	Combined Site & Bridge Area -20.A	20.A	Joint Powers Authority	info	/				/				/				/				/				/				/				/				/				/		
12	Combined Site & Bridge Area -20.F	20.F	Mitigation Reporting and Monitoring Program Amendment	status	/				/				/				/				/				/				/				/				/				/		
13	Landfill Capacity - 27	27	Tipping Fees for Partial Loads/Peak Hours	status																																							
14	Grading & Drainage-41.A - D	41A-D	Water Conservation	status	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE
15	Revegetation - 44.F	44.F	Revegetation	status	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	C	I-f		✓	C	I-g		✓	C	I-h		✓	C	I-i		✓	C	I-i
16	Fugitive Dust - 45.B	45.B	Working Face Areas	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE
17	Fugitive Dust - 45.F	45.F	Inactive Areas Monitoring	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	C	I-f		✓	C	I-g		✓	C	I-h		✓	C	I-i		✓	C	I-i
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		✓	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		✓	C	NONE
20	Gas - 52	52	Landfill Gas Collection System	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-i
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		✓	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		✓	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		✓	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		✓	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		✓	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-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e	✓	✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i
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-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e	✓	✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i
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	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h	R	✓	FRN	I-i
76	Odor/Landfill Gas – 7.06		Odor Control Measures	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h	R	✓	FRN	I-i
77	Odor/Landfill Gas – 7.07		Gas Recovery and Sale	status	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h	R	✓	FRN	I-i
78	Traffic/Circulation – 8.03		Street Light Installation	status	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE
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	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	C	NONE		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i
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-Variou 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	✓	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	✓	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	✓	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-a	✓	FRN	I-b	✓	FRN	I-c	✓	FRN	I-d	✓	FRN	I-e	✓	FRN	I-f	✓	FRN	I-g	✓	FRN	I-h	✓	FRN	I-i					
135	Geology - 1.09		Outer Perimeter Ridgeline Requirements	info																																
136	Geology - 1.12		Soil Stabilization	ongoing	✓	FRN	I-a	✓	FRN	I-b	✓	FRN	I-c	✓	FRN	I-d	✓	FRN	I-e	✓	FRN	I-f	✓	FRN	I-g	✓	FRN	I-h	✓	FRN	I-i					
137	Geology - 1.16		Checklists/Surveys Following Earthquake	upon event	✓	NA	NONE	✓	NA	NONE	✓	NA	NONE	✓	NA	NONE	✓	NA	NONE	✓	NA	NONE	✓	NA	NONE	✓	FRN	I-h	✓	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	✓	C	NONE		
142	Surface Water - 2.05		Underdrain Requirements	ongoing																																
143	Surface Water - 2.06		Final Cover for Surface Water Runoff Control	ongoing																																
144	Groundwater - 3.02		Liner System Requirements	ongoing																																
145	Groundwater - 3.04		Onsite Inspector for Liner Installation	ongoing																																
146	Groundwater - 3.09		Alluvium Removal	ongoing																																
147	Visual – 10.01		Landfill Elevations	ongoing	✓	FRN	I-a	✓	FRN	I-b	✓	FRN	I-c	✓	FRN	I-d	✓	FRN	I-e	✓	FRN	I-f	✓	FRN	I-g	✓	FRN	I-h	✓	FRN	I-i					

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148	Visual - 10.02		Final Fill Elevations	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i	
149																																								
150	Hydrologist																																							
151																																								
152																																								
153	Grading & Drainage - 38	38	Installation of Drainage Structures	ongoing																																				
154																																								
155	Geology - 1.17		Landfill Design/Construction-Seismic	ongoing																																				
156	Surface Water - 2.01		Surface Water Runoff Interception	ongoing																																				
157	Surface Water - 2.02		Surface Water Runoff Collection	ongoing																																				
158	Surface Water - 2.03		Surface Drainage Control-Maintenance	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	C	I-f		✓	C	I-g		✓	C	I-h		✓	C	I-i	
159	Surface Water - 2.04		Sedimentation Basin Capabilities	ongoing																																				
160	Surface Water - 2.05		Underdrain Placement	ongoing																																				
161	Surface Water - 2.07		Drainage Control System Design Approval	ongoing																																				
162	Surface Water - 2.08		Surface Water Runoff-Drainage System	ongoing																																				
163	Surface Water - 2.10		Surface Water Collection System-Monitoring	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	C	I-f		✓	C	I-g		✓	C	I-h		✓	C	I-i	
164	Surface Water - 2.11		Surface Water Quality-Collection/Monitoring	ongoing																																				
165	Surface Water - 2.12		Permanent/Temporary Drainage Facilities	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	C	I-f		✓	C	I-g		✓	C	I-h		✓	C	I-i	
166	Surface Water - 2.13		Permanent/Temporary Drainage Facilities	ongoing																																				
167	Surface Water - 2.14		Erosion Control Plan	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i	
168	Groundwater - 3.03		Interception of Groundwater Seepage	ongoing																																				
169	Groundwater - 3.06		Monitoring Wells	ongoing																																				
170																																								
171	Biologist																																							
172																																								
173																																								
174	Revegetation - 44	44	Revegetation/Cover Requirements	ongoing																																				
175	Revegetation - 44.A	44.A	Temporary Hydroseed Vegetation	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	C	I-f		✓	C	I-g		✓	C	I-h		✓	C	I-i	
176	Revegetation - 44.B	44.B	Interim Reclamation/Revegetation Plan-Sold Waste	ongoing																																				
177	Revegetation - 44.D	44.D	Final Fill Slope Requirements	ongoing																																				
178	Revegetation - 44.E	44.E		ongoing																																				
179																																								
180	Geology - 1.13		Drainage Plan Approval	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	C	I-f		✓	C	I-g		✓	C	I-h		✓	C	I-i	
181	Geology - 1.14		Personnel Retention for Monitoring Soil Erosion	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	C	I-f		✓	C	I-g		✓	C	I-h		✓	C	I-i	
182	Groundwater - 3.11		Irrigation/Revegetation Management-Personnel Retention	ongoing																																				

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183	BIOTA – 4.10		Oak Tree Permit	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	I-f		✓	C	I-g		✓	C	I-h		✓	C	I-i	
184	BIOTA – 4.11		Oak Tree Mitigation Plan	ongoing	✓	C	NONE		✓	C	NONE		✓	C	I-c		✓	C	NONE		✓	C	NONE		✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i	
185	BIOTA – 4.13		Oak Tree Mitigation Counting	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
186	BIOTA – 4.20		Poultry Wire Screen	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
187	BIOTA – 4.24		Drip Irrigation	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
188	BIOTA – 4.27		Coastal Sage Scrub Mitigation Plan	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i	
189	BIOTA – 4.28		Coastal Sage Scrub Seeding	ongoing																																				
190	BIOTA – 4.29		San Diego Horned Lizard Mitigation	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
191	BIOTA – 4.30		California Gnatcatcher Surveys	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
192	BIOTA – 4.31		Least Bell's Vireo Surveys	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
193	BIOTA – 4.32		Western Burrowing Owl Surveys	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
194	BIOTA – 4.33		Migratory Bird Treaty Act	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
195	BIOTA – 4.34		Raptor Nests Habitat	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
196	BIOTA – 4.36		Personnel Retention for Monitoring Revegetation Plan	ongoing																																				
197	BIOTA – 4.37		Personnel Retention for Monitoring Revegetation Plan, Onsite Plants	status																																				
198	BIOTA – 4.38		Green Waste Material	ongoing																																				
199	BIOTA – 4.39		Revegetation of Slopes/Fill Areas	ongoing																																				
200	BIOTA – 4.41		Revegetation Plan-Replacement Cover	ongoing																																				
201	BIOTA – 4.42		Interim Vegetation	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i	
202	BIOTA – 4.43		Replacement Riparian Habitat	status	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i	
203	Air Quality - 6.02		Dust Control	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i	
204	Visual – 10.06		Upper Ridge Planting/Revegetation	ongoing																																				
205	Visual – 10.07		Tree Planting Around Perimeter	ongoing																																				
206	Visual – 10.08		Cover/Revegetation Requirements	ongoing	✓	C	I-a		✓	C	I-b		✓	C	I-c		✓	C	I-d		✓	C	I-e		✓	C	I-f		✓	C	I-g		✓	C	I-h		✓	C	I-i	
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	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	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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					1/10/2018	Status*	Further Review Needed/Comments**	Resolved*	1/30/2018	Status*	Further Review Needed/Comments**	Resolved*	2/20/2018	Status*	Further Review Needed/Comments**	Resolved*	3/14/2018	Status*	Further Review Needed/Comments**	Resolved*	3/29/2018	Status*	Further Review Needed/Comments**	Resolved*	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*			
216	Air Quality & Noise Specialist																																						
217																																							
218																																							
219	Fugitive Dust - 45.F	45.F	Fugitive Dust Monitoring	ongoing	✓	FRN	I-a	✓	FRN	I-b	✓	FRN	I-c	✓	FRN	I-d	✓	FRN	I-e	✓	C	I-f	✓	C	I-g	✓	C	I-h	✓	C	I-i								
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	✓	FRN	I-a	✓	FRN	I-b	✓	FRN	I-c	✓	FRN	I-d	✓	FRN	I-e	✓	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	✓	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	✓	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	✓	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	✓	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	✓	C	NONE	✓	C	NONE		
232	Air Quality - 6.01		Access Roads-Paving	ongoing	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	FRN	I-f	✓	FRN	I-g	✓	FRN	I-h	✓	FRN	I-i								
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	✓	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	✓	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	✓	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	✓	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		/	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		✓	C	NONE	
255	Fire Service - 12.03		On-site Fire Response Capabilities-Roads/Water	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i		✓	FRN	I-i	
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		/	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		✓	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		✓	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-a		✓	C	I-b		✓	C	I-c		✓	C	I-d		✓	C	I-e		✓	C	I-f		✓	C	I-g		✓	C	I-h		✓	C	I-i				
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		/	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		/	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		/	NA	NONE
279	Archaeological – 5.03		Onsite Paleontologist	ongoing	✓	C	I-a		✓	C	I-b		✓	C	I-c		✓	C	I-d		✓	C	I-e		✓	C	I-f		✓	C	I-g		✓	C	I-h		✓	C	I-i				
280	Archaeological – 5.04		Archaeological/Paleontological Identification Instruction	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	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		/	NA	NONE
282																																											
283	Paleontologist																																										
284																																											
285																																											
286	Ecological Significance - 62	62	Archaeological/Paleontological -Material Identification/Conservation	ongoing	✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		✓	FRN	I-f		✓	FRN	I-g		✓	FRN	I-h		✓	FRN	I-i				
287	IMP - Part VII.B	IMP7	Archaeological/Paleontological-Report Submission	ongoing																																							

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Further Review Needed Comments: Reference I-f through I-i Second 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	<p>I-f through I-i: The buttress design plans and engineering documents to support Cell CC-4 Part 3 adjacent native slopes were approved by the County Department of Public Works Civil Engineering and Permitting sections. The buttress is outside of the prior-approved landfill footprint.</p> <p>I-f: Grading for the buttress for Cell CC-4 Part 3 began. The biologist consultant cleared an initial area for grubbing. The fulltime biologist was at the vegetated and tree area during grubbing to look for nesting birds. A paleontologist was onsite fulltime during the grading operations. Cell CC-4A Part 2 was accepting waste and Part 1 was inactive. Part 1 had grading occurring on the north side of the top deck.</p> <p>I-g: Grubbing and initial grading was being done at the CC-4 Part 3 buttress area. Two areas were restricted to no activity within 50 feet due to nesting birds. A paleontologist monitor was onsite monitoring activities in the buttress area. A Sixence system to monitor the CC-4 Part 3 buttress area during the landslide removal process was installed at the lower portion of the existing slide area to monitor any movement. Cell CC-4 Part 2 was accepting waste and Cell CC-4 Part 1 was not operating.</p> <p>I-h: Grubbing and minor grading was being done at the CC-4 Part 3 buttress area. Two areas were still restricted to no activity within 50 feet because of nesting birds. A paleontologist was on site monitoring activities in the buttress area. CC-4 Part 2 was active and accepting waste. CC-4 Part 1 was not operating.</p> <p>I-i: CC-4 Part 3 buttress grading had two dozers and six scrapers operating. Full grading activity was restricted because two slope areas could not be graded due to nesting birds. CC-4 Part 2 was accepting waste; CC-4 Part 1 was not operating.</p>
		Geology - 1.07	County DPW EPD/SCL-LEA	I-f through I-i: See Q – B.2.c above.
		Geology - 1.12	County DPW EPD/SCL-LEA	I-f through I-i: See Q – B.2.c above.
	Q - C.3.h		City Planning	<p>I-f through I-i: 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.</p> <p>I-g: The main haul road was a long non-paved road that looped around the eastern side of Cell CC-3A. The road was being watered. Dust occurred between watering. Recycled asphalt or aggregate material was not being used. No road sealant was applied on this section of the dirt road.</p> <p>I-i: Roadway dust was observed coming from areas along the main haul road above the Cell CC-3B top deck. Other areas of the main access dirt road had Landlock soil stabilizer applied on it. Recycled aggregate was being placed on the main perimeter access road to control dust emissions.</p>

Discipline	City Condition Reference # / Mitigation #	County Condition Reference # / Mitigation #	Responsible Agency	Further Review Needed – Comments
Project Manager	Q - C.10.c		City Planning	<p>I-f: The gas-to-energy plant was using 7597 SCFM of recovered landfill gas, 45% CH₄, 1.3% O₂, 60 ppm H₂S. Flare 1: 2380 SCFM; Flare 3: 2510 SCFM; Flare 9: 2448 SCFM; Flare 10: shut down; Flare 11: 2528 SCFM. The total volume of landfill gas being recovered was 17,463 SCFM.</p> <p>I-g: The gas-to-energy plant was shut down and not using any landfill gas. The recovered landfill gas had 45% CH₄, 0.6% O₂, 62 ppm H₂S. Flare 1: 2260 SCFM; Flare 3: 3349 SCFM; Flare 9: 4398 SCFM; Flare 10: 3250 SCFM; Flare 11: 4271 SCFM. The total volume of landfill gas being recovered was 17,528 SCFM.</p> <p>I-h: The gas-to-energy plant was using 9674 SCFM of recovered landfill gas, 45% CH₄, 0.7% O₂, 51 ppm H₂S. The facility was at 100% production. Flare 1: 2220 SCFM; Flare 3: No access to flare; Flare 9: shut down; Flare 10: 3572 SCFM; Flare 11: 2812 SCFM. The total volume of landfill gas being recovered was 18,278 SCFM.</p> <p>I-i: Gas recovery and utilization was not monitored.</p> <p>I-f through I-i: The quantity of landfill gas being recovered during the 2nd Quarter has averaged 17,756 SCFM, with the gas-to-energy plant usage averaging 8992 SCFM. An expansion of the gas-to-energy plant or different beneficial use facility should be evaluated.</p>
		Odor/Landfill Gas - 7.07	County Planning/SCAQMD SCL-LEA	I-g through I-i: See Q - C.10.c above.
		Gas - 52	County DPW EPD/SCL-LEA County Forester Fire Warden	I-g through I-i: See Q - C.10.c above.
	T-4		City Planning, City Fire Department	I-f through I-i: 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-f through I-i: See T-4 above.
	M - 4.1.1 / 7		City Planning, DOGGR	<p>I-f through I-i: The two old oil well steel casings in the area north of the office are located in the CC-4 Part 3 buttress grading area. These wells will need to be re-abandoned after grading has been completed.</p> <p>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.</p>
		Re-abandonment Procedures	County Planning, County DPW EPD/SCL-LEA, DOGGR	I-f through I-i: See M - 4.1.1 / 7 above.

Discipline	City Condition Reference # / Mitigation #	County Condition Reference # / Mitigation #	Responsible Agency	Further Review Needed – Comments
Project Manager	M - 4.2.12 / 28		City Planning/SCAQMD	<p>I-f: Cell CC-3A Closure Turf was observed to be functioning well, with no problem areas. The eastern slopes of CC-3A that were hydroseeded had vegetation well established. There were areas with erosion rills from rainwater runoff that will need to be repaired with possible additions of temporary HDPE-lined downslope drainage channels. The north and south facing slopes of cell CC-3A also had vegetation doing well. There was minimal vegetation seen on the top deck of CC-3A. The Posi-Shell covered slopes had areas that needed repair. These areas had some cracking and movement. The vegetation on the south-facing slope above the top deck of CC-3B that was hydroseeded was doing well with 50 to 60% success.</p> <p>I-g: The hydroseeded areas of CC-3B, CC-3A, and the County Bowl have died due to the hot weather in the non-irrigated areas. The vegetation will provide some soil stabilization and prime fall re-seeding areas. The Closure Turf and Posi-Shell areas have been maintained and are performing well. The main haul road was a long non-paved road that looped around the eastern side of Cell CC-3A. The road was being watered. Dust occurred between watering. No road sealant was being used.</p> <p>I-h: The hydroseeding on the CC-3A top deck had minimal germination. 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.</p> <p>I-i: The Posi-Shell and Closure Turf were being maintained. The perimeter landfill road was being improved by placing recycled concrete and asphalt to control periodic dust emissions from use by vehicles.</p>
		Fugitive Dust - 45.F	County DPH/County LEA County DPW-EPD County Biologist	I-f through I-i: See M - 4.2.12 / 28 above.
	M -4.2.13/ 29, 30, 32, 34		City Planning/SCL-LEA/SCAQMD	I-a through I-e: 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-f through I-i: See M -4.2.13/ 29, 30, 32, 34 above.
		Amendment 45.N-5	County DPW-EPD	I-f through I-i: See M -4.2.13/ 29, 30, 32, 34 above.

Discipline	City Condition Reference # / Mitigation #	County Condition Reference # / Mitigation #	Responsible Agency	Further Review Needed – Comments
Project Manager	M - 4.2.13 / 33		City Planning/SCAQMD	<p>I-f: The monitor drove the Granada Hills neighborhood area from 6:30 to 7:15 a.m., and there were no odors detected. The slope area between well 2085 and the tote container and north of GW-3009D had a strong localized odor. This area had prior liquid spill/seep problems. SCS was working on a liquid handling pipeline and liquid well pumps. A gas well was also being installed.</p> <p>I-g: The monitor drove the Granada Hills neighborhood areas from 6:45 to 7:15 a.m., and there were no landfill odors detected. A strong localized landfill gas odor was detected on the top deck of CC-3A near the Rain-for-Rent water tank. It was coming from the area of GW 3014D on the CC-3B top deck.</p> <p>I-h: The monitor drove the Granada Hills neighborhood area from 6:30 to 7:15 a.m., and there were no landfill odors detected. The monitor also drove the Granada Hills adjacent neighborhood and school from 9:00 to 9:30 a.m., and no landfill odors were detected. A localized gas odor was detected at Well 2091 at the north edge of the CC-3B top deck. A strong gas and/or liquids odor was detected on the CC-3A top deck near the Rain-for-Rent water tank. The odor was coming from the general area of Well 2091. Maintenance of a well liquid removal pump was being done on the deck in another area of the CC-3B top deck. A localized odor was detected at Well GW-701.</p> <p>I-i: The monitor drove the Granada Hills neighborhood areas from 6:30 to 7:30 a.m., and there were no landfill odors detected in the adjacent neighborhood and at Van Gogh school. There were liquid stains on Balboa at Woodley, and faint trash odors were detected. Localized odors were detected on CC-3B top deck and CC-3A top deck possibly coming from the well drilling on CC-3B.</p> <p>I-f through I-i: The use of Posi-Shell and Closure Turf to seal fill areas with intermediate cover provided enhanced gas recovery and gas-related odor control.</p>
		Odor/Landfill Gas - 7.06	County DPW-EPD/SCL-LEA/SCAQMD	I-f through I-i: See M-4.2.13/33 above.
		Amendment 45.N - 4.a, 4.c, 4.d	County DPW-EPD	I-f through I-i: See M-4.2.13/29, 30, 32, 33, and 34 above.
		Amendment 45.N - 5	County DPW-EPD	I-f through I-i: See M-4.2.13/29, 30, 32, 33, and 34 above.

Discipline	City Condition Reference # / Mitigation #	County Condition Reference # / Mitigation #	Responsible Agency	Further Review Needed – Comments
Project Manager		Surface Water - 2.15	County DPW EPD/ LARWQCB, SCL- LEA	<p>I-f through I-i: 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.</p> <p>I-g: The Basin D outlet channel directly out of the basin has soils with vegetation growing in the channel bottom.</p> <p>I-h: The alluvial water cut-off wall pumps were not working and alluvial water was seeping into the terminal basin. Republic's maintenance personnel were replacing the level control switch. The terminal basin had standing water around the outlet risers, possibly from the alluvial seeps. Sediment was stockpiled for drying and removal. The hillside retaining wall south of the entrance had loose rock and soil removed from the slope, and the rock and soil removed from the top of the wall. Soil in front of the wall and at the roadway curb was not removed. The wall drains were plugged with soil. The CC-3B basin had the low-flow drain cleared of debris. The water flow path to the drain was not HDPE lined or rock armored. Deep ruts were observed. No debris cap was put on the low-flow drain. The eastside drainage channel has gravel and soil behind the humps in the channel that should be cleared.</p> <p>I-i: Water was ponding in the Terminal basin. The alluvial pumps at the cut-off wall were not operational.</p>
	M - 4.4.2/ 69		City Planning	I-f through I-i: The MND Addendum environmental document for the Chatsworth Reservoir Wetland/Riparian Mitigation Project required a Native American Resources and Impact Analysis with consultation with the Chumash. The analysis was completed in late March 2018 and requirements/ mitigation measure recommended. The MND Addendum is now being modified to include the Native American analysis. The City of Los Angeles is preparing a draft ordinance.
		Biota - 4.4.3	CDFW	I-f through I-i: See M - 4.4.2 / 69 above.
	M - 4.9.3 / 110		City Planning/City LEA	<p>I-g: San Fernando Road from the Old Road to the landfill entrance had areas with windblown litter and a door dumped on the northbound shoulder. North of the entrance along the landfill wall on San Fernando Road was an illegally parked abandoned mobile office trailer. Sierra Highway near the I-14 overpass was free of windblown litter and debris.</p> <p>I-h: San Fernando Road from the Old Road to the landfill entrance had areas with windblown litter and an illegally dumped door on the eastern shoulder, across from the Jensen Filtration entrance.</p> <p>I-i: San Fernando Road from the Old Road to the landfill entrance had areas with windblown litter.</p>

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-f through I-i: See M - 4.1.1 / 5 below.
	M - 4.1.1 / 4		City Planning/LARWQCB Cal Recycle	I-f through I-i: See M - 4.1.1 / 5 below.
	M - 4.1.1 / 5		City Planning/ LARWQCB Cal Recycle	I-f through I-i: 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. These activities are inside the approved landfill footprint.
		Geology - 1.07	County DPW EPD/ County LEA	I-f through I-i: See M - 4.1.1 / 5 above.
	M - 4.1.5 / 12		City Planning/LARWQCB Cal Recycle	I-f through I-i: See M - 4.1.1 / 5 above.
	M - 4.1.6 / 18			I-f through I-i: 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-f through I-i: Access roads were being maintained around the working area for emergency access.
	M - 4.18 / 178		City Planning/City LEA	I-f through I-i: A map showing areas that are at the final elevations and which should have final cover should be available for review. Documents showing current filled elevations should also be available onsite for review. These conditions were not monitored.
		Visual - 10.01 Visual - 10.02	County DPW EPD/ LARWQCB SCL-LEA	I-f through I-i: See M - 4.18 / 178 above.
Hydrologist	M - 4.3.1/ 37, 38		City Planning/ LARWQCB CalRecycle SCL-LEA PW-BOE	I-f through I-i: 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. The effectiveness of the erosion control measures being used on the site need to be evaluated and modified for future use. Significant erosion occurred in the landfill area from uncontrolled drainage and ineffective straw wattles. Ponding occurred in numerous areas after every rain event. I-f: The eastern slopes of CC-3A had areas with erosion rills from rainwater runoff that need repair, with possible additions of temporary HDPE-lined downslope channels. The stockpiled soil adjacent to the east and west Closure Turf edges had deep erosion rills. County Bowl slopes had extensive erosion rills.
		Surface Water - 2.03 Surface Water - 2.12	County DPW EPD/ LARWQCB SCL-LEA	I-f through I-i: See M - 4.3.1/ 37, 38 above.
	M - 4.3.1 / 39		City Planning/LARWQCB Cal Recycle	I-f through I-i: See M - 4.3.1/ 37, 38 above.

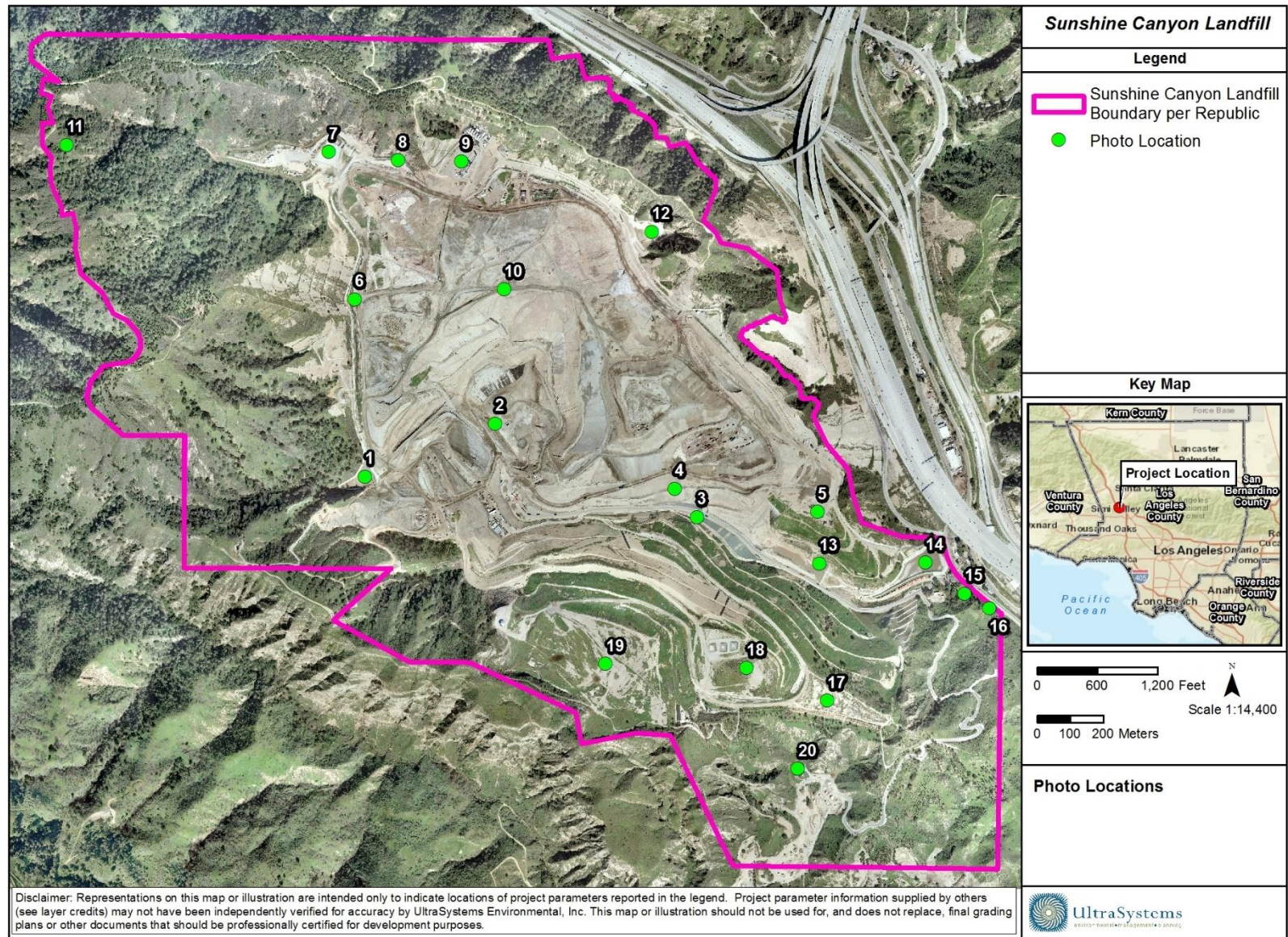
Discipline	City Condition Reference # / Mitigation #	County Condition Reference # / Mitigation #	Responsible Agency	Further Review Needed – Comments
Hydrologist	M - 4.3.1 / 40		City Planning/ LARWQCB CalRecycle SCL-LEA PW-BOE LADBS	I-f through I-i: See M - 4.3.1/ 37, 38 above.
	M - 4.3.1 / 43		City Planning/ LARWQCB CalRecycle SCL-LEA PW-BOE LADBS	<p>I-f: Basin A was dry with sediment moved and piled to dry. Sediment Basin B was dry and sediment stockpiled to dry. The back native hillside vegetation had windblown litter. Basin D was clear of sediment and dry. The terminal basin was dry and had sediment moved and piled to dry.</p> <p>I-g: Basin A was dry with sediment moved into piles to dry. Tree trunks and HDPE pipe supports were stockpiled in the basin from the Flare 3 gas pipeline construction activities. A Flare 3 pipeline service road was constructed at the back of the basin. Basin B was dry and cleared of sediment. The back native hillsides had windblown litter. Basin D was dry and free of sediment. The terminal basin had standing water at the outlet risers. Sediment was stockpiled drying.</p> <p>I-h: Basin A had minimal stagnant water at the outlet riser. All but one pile of sediment was removed. Basin B was dry and cleared of sediment. The back native hillside had minimal windblown litter. The terminal basin had standing water around the outlet risers, possibly from the alluvial seeps. Sediment was stockpiled for drying and removal.</p>
		Surface Water - 2.10	LARWQCB / County DPW EPD	I-f through I-i: See M - 4.3.1/ 37, 38 and 43 above.
		Surface Water - 2.14	LARWQCB / County DPW EPD	I-f through I-i: 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-f through I-i: Surface Water - 2.14 above.
	M - 4.3.1/ 46		City Planning/ LARWQCB CalRecycle PW-BOE	I-f through I-i: See 2.15 above.
	M - 4.3.2 / 50		City Planning/ LARWQCB CalRecycle SCL-LEA	I-f through I-i: 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-f through I-i: See M - 4.2.12 / 28 above.
		Geology - 1.14	LARWQCB/ County Forester	I-f through I-i: See M - 4.2.12 / 28 above.
	M - 4.2.11 / 23		City Planning	I-f through I-i: See M - 4.2.12 / 28 above.

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-f through I-i: See M - 4.2.12 / 28 above.
	M - 4.2.12		SCL-LEA/ City Planning	I-f through I-i: See M - 4.2.12 / 28 above.
		Revegetation - 44.A	SCL-LEA/ County DPW EPD Regional Planning County Biologist	I-f through I-i: See M - 4.2.12 / 28 above.
		Revegetation - 44.F	SCL-LEA/ County DPW EPD Regional Planning County Biologist	I-f through I-i: See M - 4.2.12 / 28 above.
		Biota - 4.42	SCL-LEA	I-f through I-i: See M - 4.2.12 / 28 above.
		Air Quality - 6.02	SCAQMD/ SCL-LEA	I-f through I-i: See M - 4.2.12 / 28 above.
		Visual - 10.08	County Forester	I-f through I-i: See M - 4.2.12 / 28 above.
	M - 4.4.1 / 60		City Planning	<p>I-f: City Deck B sage mitigation had final grading, staking, and development activities in progress. City Deck C sage mitigation had maintenance personnel at the site. The County sage mitigation areas covered with jute netting and hydroseeded were growing vegetation on approximately 50% of the area.</p> <p>I-g: The Deck B sage mitigation area had fine grading completed and irrigation piping installed. The Deck C sage mitigation area was doing well. Yearly non-native removal and salt bush trimming had not yet been performed. The PM-10 trees were doing well. The understory, however, had a thick cover of mustard that should be removed. The hydroseeded vegetation on the County sage mitigation slopes has died from the hot weather. This area will be prime for fall sage and other native seeding. Other areas with native vegetation has flowered.</p> <p>I-h: Deck B sage mitigation area has planting flagging in place and appears to be ready for planting and seeding when fall weather conditions occur. Deck C sage mitigation was doing well. Maintenance to remove non-natives has not yet occurred. There is mustard around the perimeter and within the mitigation area. The PM-10 oak trees have dense mustard vegetation in the understory about 3 feet high. The areas that had jute netting installed and were hydroseeded on the County sage area slopes germinated, grew, and died. The dead plants appears to be beneficial for future seeding.</p> <p>I-i: Deck B sage mitigation area was ready for planting in the fall. Deck C sage mitigation was showing signs of die-back from the hot weather.</p>
		Biota - 4.27	County LEA/CDFW	I-f through I-i: See M - 4.4.1 / 60 above.
		Biota - 4.10	County LEA/CDFW	I-f through I-i: 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.
	M - 4.4.3 / 72		City Planning	I-f through I-i: See Biota - 4.10 above.

Discipline	City Condition Reference # / Mitigation #	County Condition Reference # / Mitigation #	Responsible Agency	Further Review Needed – Comments
Biologist	M - 4.9.4 / 121		City Planning/Cal Recycle Cal OSHA LAFD City LEA	I-f through I-i: See T-4 above.
	M-4.9.4/ 125		City Planning/ CalRecycle Cal OSHA SCL-LEA	I-f through I-i: Throughout the 2nd Quarter of 2018, the south oil field gate and north perimeter gate were observed to be locked.
Paleontologist	M-4.19.2/ 191		City Planning	I-f through I-i: The paleontologist was monitoring grading activities in and adjacent to Cell CC-4 Part 2 and CC-4 Part 3 buttress when grading occurred in native, undisturbed areas.
		Ecological Significance 62	County Planning	I-f through I-i: See M-4.19.2/ 191 above.

Appendix II

Relevant Site Photos



Path: J:\Projects\5800_Sunshine_Canyon\MXD\PhotoLocations\5800_Sunshine_Canyon_PhotoLocations_2017_Quarterly_Report_#3.mxd
 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 – 33
2	CC-4 Part 1 and CC-4 Part 2 and CC-4 Part 3	34 – 193
3	Closure Turf and Posi-Shell	194 – 226
4	CC-3A and CC-3B	227 – 324
5	Old City North and South	325 – 365
6	County Sage Mitigation and Westside Drainage Channel	366 – 374
7	Basin D	375 – 395
8	Basin D Outlet Channel	396 – 404
9	Flares 9, 10, 11, and Gas-to-Energy Facility	396 – 409
10	County Top Deck	410 – 463
11	Big Cone Fir Mitigation	464 – 477
12	Basin B	478 – 495
13	Terminal Basin Inlets	496
14	Terminal Basin	497 – 558
15	Sewer Lift Station and Graywater Facility	559 – 564
16	Retaining Wall at San Fernando Road	565 – 572
17	City Deck C Sage Mitigation	573 – 587
18	City Deck B Sage Mitigation	588 – 607
19	City Deck A Sage Mitigation	–
20	Southern Ownership Buffer	–
–	General Site	608 – 662
–	Illegal Dumping and Windblown Litter	663 – 673



Photo 1: Basin A: April 24, 2018



Photo 2: Basin A: April 24, 2018



Photo 3: Basin A: April 24, 2018



Photo 4: Basin A: May 10, 2018



Photo 5: Basin A: May 10, 2018



Photo 6: Basin A: May 10, 2018



Photo 7: Basin A: May 10, 2018



Photo 8: Basin A: May 10, 2018



Photo 9: Basin A: May 10, 2018



Photo 10: Basin A: May 10, 2018



Photo 11: Basin A: May 10, 2018



Photo 12: Basin A: May 10, 2018



Photo 13: Basin A: May 10, 2018



Photo 14: Basin A: May 10, 2018



Photo 15: Basin A: May 22, 2018



Photo 16: Basin A: May 22, 2018



Photo 17: Basin A: May 22, 2018



Photo 18: Basin A: May 22, 2018



Photo 19: Basin A: May 22, 2018



Photo 20: Basin A Outlet: May 22, 2018



Photo 21: Basin A Slope Native Vegetation: May 22, 2018



Photo 22: Basin A Slope Native Vegetation: May 22, 2018



Photo 23: Basin A: June 12, 2018



Photo 24: Basin A: June 12, 2018



Photo 25: Basin A: June 12, 2018



Photo 26: Basin A: June 12, 2018



Photo 27: Basin A: June 12, 2018



Photo 28: Basin A: June 12, 2018



Photo 29: Basin A Back Native Hillside: June 12, 2018



Photo 30: Basin A: June 12, 2018



Photo 31: Basin A: June 12, 2018



Photo 32: Basin A: June 12, 2018



Photo 33: Basin A: June 12, 2018



Photo 34: CC4A Parts 1&2: April 24, 2018



Photo 35: CC4A Parts 1&2: April 24, 2018



Photo 36: CC4A Parts 1&2: April 24, 2018



Photo 37: CC4A Parts 1: April 24, 2018



Photo 38: CC4A Parts 1: April 24, 2018



Photo 39: CC4A Parts 1: April 24, 2018



Photo 40: CC4A Parts 1: April 24, 2018



Photo 41: CC4A Parts 1: April 24, 2018



Photo 42: CC4A Parts 1: April 24, 2018



Photo 43: CC4A Parts 1: April 24, 2018



Photo 44: CC4A Parts 1: April 24, 2018



Photo 45: CC4A Parts 1: April 24, 2018



Photo 46: CC4A Parts 1: April 24, 2018

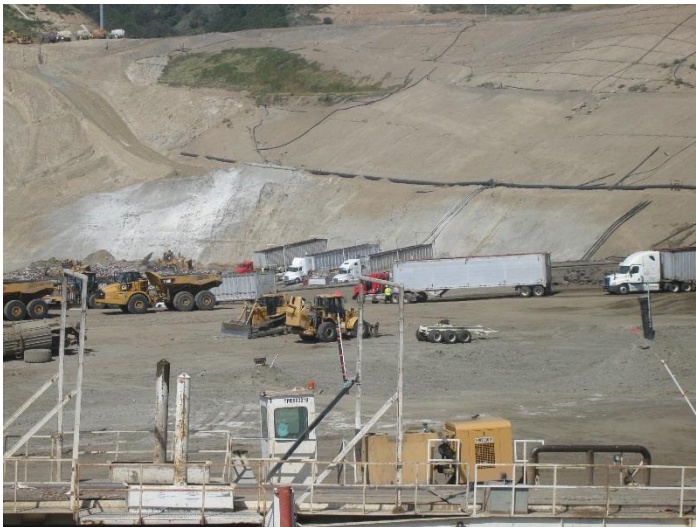


Photo 47: CC4A Parts 1: April 24, 2018



Photo 48: CC4A Parts 1: April 24, 2018



Photo 49: CC4A Part 2: April 24, 2018



Photo 50: CC4A Part 2: April 24, 2018



Photo 51: CC4A Part 2: April 24, 2018



Photo 52: Site Inactive Area CC4A Part 1: April 24, 2018



Photo 53: Site Inactive Area CC4A Parts 1: April 24, 2018



Photo 54: Site Inactive Area CC4A Parts 1: April 24, 2018



Photo 55: Site Inactive Area CC4A Parts 1: April 24, 2018



Photo 56: Site Inactive Area CC4A Parts 1: April 24, 2018



Photo 57: Site Inactive Area CC4A Parts 1: April 24, 2018



Photo 58: CC4A Parts 2 & Inactive Area Part 1: May 10, 2018



Photo 59: Site Inactive Area CC4A Parts 1: April 24, 2018



Photo 60: CC4A Part 3 Buttress Excavation: April 24, 2018



Photo 61: CC4A Part 3 Buttress Excavation: April 24, 2018



Photo 62: CC4A Part 3 Buttress Excavation: April 24, 2018



Photo 63: Site Working Area CC 4A Part 1 & 2: May 10, 2018



Photo 64: Site Working Area CC 4A Part 1 & 2: May 10, 2018



Photo 65: Site Working Area CC 4A Part 1 & 2: May 10, 2018



Photo 66: Site Working Area CC 4A Part 1 & 2: May 10, 2018



Photo 67: Site Working Area CC 4A Part 1 & 2: May 10, 2018



Photo 68: Site Working Area CC 4A Part 1 & 2: May 10, 2018



Photo 69: Site Working Area CC 4A Part 1 & 2: May 10, 2018



Photo 70: Site Working Area CC 4A Part 1 & 2: May 10, 2018



Photo 71: Site Working Area CC 4A Part 1 & 2: May 10, 2018



Photo 72: Site Working Area CC 4A Part 1 & 2: May 10, 2018



Photo 73: Site Working Area CC 4A Part 1 & 2: May 10, 2018



Photo 74: Site Working Area CC 4A Part 1 & 2: May 10, 2018



Photo 75: Site Working Area CC 4A Part 1 & 2: May 10, 2018



Photo 76: Site Working Area CC 4A Part 2: May 10, 2018



Photo 77: Site Working area CC4A Part 2: May 10, 2018



Photo 78: Site Working area CC4A Part 2: May 10, 2018



Photo 79: Inactive Area CC4A Part 1: May 10, 2018



Photo 80: Inactive Area CC4A Part 1: May 10, 2018



Photo 81: Inactive Area CC4A Part 1: May 10, 2018



Photo 82: Inactive Area CC4A Part 1: May 10, 2018



Photo 83: Site Working Area CC4A Part 2: May 10, 2018



Photo 84: Site Working Area CC4A Part 2: May 10, 2018



Photo 85: Site Working Area CC4A Part 2: May 10, 2018



Photo 86: Site Working Area CC4A Part 2: May 10, 2018



Photo 87: Site Working Area CC4A Part 2: May 10, 2018



Photo 88: Site Working Area CC4A Part 2: May 10, 2018



Photo 89: Site Working Area CC4A Part 2: May 10, 2018



Photo 90: Site Working Area CC4A Part 2: May 10, 2018



Photo 91: Site Working Area CC4A Part 2: May 10, 2018



Photo 92: Site Working Area CC4A Part 2 Buttress Excavation Area Top Ridge: May 10, 2018



**Photo 93: Site Working Area CC4A Part 2 Buttress Excavation
Area Top Ridge: May 10, 2018**



**Photo 94: Site Working Area CC4A Part 2 Buttress Excavation
Area Top Ridge: May 10, 2018**



**Photo 95: Site Working Area CC4A Part 2 Buttress Excavation
Area Top Ridge: May 10, 2018**



**Photo 96: Site Working Area CC4A Part 2 Buttress Excavation
Area Top Ridge: May 10, 2018**



**Photo 97: Site Working Area CC4A Part 2 Buttress Excavation
Area Top Ridge: May 10, 2018**



**Photo 98: Site Working Area CC4A Part 2 Buttress Excavation
Area Top Ridge: May 10, 2018**



**Photo 99: Site Working Area CC4A Part 2 Buttress Excavation
Area Top Ridge: May 10, 2018**



**Photo 100: Site Working Area CC4A Part 2 Buttress Excavation
Area Top Ridge: May 10, 2018**



**Photo 101: Site Working Area CC4A Part 2 Buttress Excavation
Area Top Ridge: May 10, 2018**



**Photo 102: Site Working Area CC4A Part 2 Buttress Excavation
Area Top Ridge: May 10, 2018**



**Photo 103: Site Working Area CC4A Part 2 Buttress Excavation
Area Top Ridge: May 10, 2018**



**Photo 104: Site Working Area CC4A Part 2 Buttress Excavation
Area Top Ridge: May 10, 2018**



**Photo 105: Site Working Area CC4A Part 2 Buttress Excavation
Area Top Ridge: May 10, 2018**



**Photo 106: Site Working Area CC4A Part 2 Buttress Excavation
Area Top Ridge: May 10, 2018**



**Photo 107: Site Working Area CC4A Part 2 Buttress Excavation
Area Slope Monitor: May 10, 2018**



**Photo 108: Site Working Area CC4A Part 2 Buttress Excavation
Area: May 10, 2018**



Photo 109: Site Working Area CC4A Part 2 Buttress Excavation Area: May 10, 2018



Photo 110: Site Prior to Opening CC 4A Part 1 & 2: May 22, 2018



Photo 111: Site Prior to Opening CC 4A Part 1 & 2: May 22, 2018



Photo 112: Site Prior to Opening CC 4A Part 1 & 2: May 22, 2018



Photo 113: Site Prior to Opening CC 4A Part 1 & 2: May 22, 2018



Photo 114: Site Prior to Opening CC 4A Part 1 & 2: May 22, 2018



Photo 115: Site Prior to Opening CC 4A Part 1 & 2: May 22, 2018



Photo 116: Site Prior to Opening CC 4A Part 1 & 2: May 22, 2018



Photo 117: Site Prior to Opening CC 4A Part 1 & 2: May 22, 2018



Photo 118: Site Prior to Opening CC 4A Part 1 & 2: May 22, 2018



Photo 119: Site Prior to Opening CC 4A Part 1 & 2: May 22, 2018



Photo 120: Site Prior to Opening CC 4A Part 1 & 2: May 22, 2018



Photo 121: Site Prior to Opening CC 4A Part 1 & 2: May 22, 2018



Photo 122: Site Working Area CC4A Part 2 and Inactive Area Part 1: May 22, 2018



Photo 123: Site Working Area CC4A Part 2 and Inactive Area Part 1: May 22, 2018



Photo 124: Site Working Area CC4A Part 2 and Inactive Area Part 1: May 22, 2018



Photo 125: Site Working Area CC4A Part 2 and Inactive Area Part 1: May 22, 2018



Photo 126: Site Working Area CC4A Part 2 and Inactive Area Part 1: May 22, 2018



Photo 127: Site Working Area CC 4A Part 2: May 22, 2018



Photo 128: Site Working Area CC 4A Part 2: May 22, 2018



Photo 129: Site Working Area CC 4A Part 2: May 22, 2018



Photo 130: Site Working Area CC 4A Part 2: May 22, 2018



Photo 131: Site Working Area CC 4A Part 2: May 22, 2018



Photo 132: Site Working Area CC 4A Part 2: May 22, 2018



Photo 133: Site Working Area CC 4A Part 2: May 22, 2018



Photo 134: Site Working Area CC 4A Part 2: May 22, 2018



Photo 135: Site Working Area CC 4A Part 2: May 22, 2018



Photo 136: Site Working Area CC 4A Part 2: May 22, 2018



Photo 137: Site Working Area CC 4A Part 2: May 22, 2018



Photo 138: Site Working Area CC 4A Part 2: May 22, 2018



Photo 139: Working area CC4A Part 2 Dirt Access Road: May 22, 2018



Photo 140: Working area CC4A Part 2 Dirt Access Road: May 22, 2018



**Photo 141: Site Working Area CC 4A Part 3 Buttress Excavation:
May 22, 2018**



**Photo 142: Site Working Area CC 4A Part 3 Buttress Excavation:
May 22, 2018**



**Photo 143: Site Working Area CC 4A Part 3 Buttress Excavation:
May 22, 2018**



**Photo 144: Site Working Area CC 4A Part 3 Buttress Excavation:
May 22, 2018**



**Photo 145: Site Working Area CC 4A Part 3 Buttress Excavation:
May 22, 2018**



Photo 146: CC4A Part 1 & 2 Prior to Opening: June 12, 2018



Photo 147: CC4A Part 1 & 2 Prior to Opening: June 12, 2018



Photo 148: CC4A Part 1 & 2 Prior to Opening: June 12, 2018



Photo 149: CC4A Part 1 & 2 Prior to Opening: June 12, 2018



Photo 150: CC4A Part 1 & 2 Prior to Opening: June 12, 2018



Photo 151: CC4A Part 1 & 2 Prior to Opening: June 12, 2018



Photo 152: CC4A Part 1 & 2 Prior to Opening: June 12, 2018



Photo 153: CC4A Part 1 & 2 Prior to Opening: June 12, 2018



Photo 154: Site Inactive Area CC4A Part 1: June 12, 2018



Photo 155: Site Inactive Area CC4A Part 1: June 12, 2018



Photo 156: Site Inactive Area CC4A Part 1: June 12, 2018



Photo 157: Site Inactive Area CC4A Part 1: June 12, 2018



Photo 158: Site Inactive Area CC4A Part 1: June 12, 2018



Photo 159: Site Inactive Area CC4A Part 1: June 12, 2018



Photo 160: Site Working Area CC4A Part 2: May June 12, 2018



Photo 161: Site Working Area CC4A Part 2: May June 12, 2018



Photo 162: Site Working Area CC 4A Part 3 Liner Area: May 22, 2018



Photo 163: Site Working Area CC4A Part 2: June 12, 2018



Photo 164: Site Working Area CC4A Part 2: June 12, 2018



Photo 165: Site Working Area CC4A Part 2: June 12, 2018



Photo 166: Site Working Area CC4A Part 2: June 12, 2018



Photo 167: Site Working Area CC4A Part 2: June 12, 2018



Photo 168: Site Working Area CC4A Part 2: June 12, 2018



Photo 169: Site Working Area CC4A Part 2: June 12, 2018



Photo 170: Site Working Area CC4A Part 2: June 12, 2018



Photo 171: Site Working Area CC4A Part 2: June 12, 2018



Photo 172: Site Working Area CC4A Part 2: June 12, 2018



Photo 173: Site Working Area CC4A Part 2: June 12, 2018



Photo 174: Site Working Area CC4A Part 2: June 12, 2018



**Photo 175: Site Working Area CC4A Part 3 Buttress Excavation:
June 12, 2018**



**Photo 176: Site Working Area CC4A Part 3 Buttress Excavation:
June 12, 2018**



**Photo 177: Site Working Area CC4A Part 3 Buttress Excavation:
June 12, 2018**



**Photo 178: Site Working Area CC4A Part 3 Buttress Excavation:
June 12, 2018**



**Photo 179: Site Working Area CC4A Part 3 Buttress Excavation:
June 12, 2018**



**Photo 180: Site Working Area CC4A Part 3 Buttress Excavation:
June 12, 2018**



**Photo 181: Site Working Area CC4A Part 3 Buttress Excavation:
June 12, 2018**



**Photo 182: Site Working Area CC4A Part 3 Buttress Excavation:
June 12, 2018**



**Photo 183: Site Working Area CC4A Part 3 Buttress Excavation:
June 12, 2018**



**Photo 184: Site Working Area CC4A Part 3 Buttress Excavation:
June 12, 2018**



**Photo 185: Site Working Area CC4A Part 3 Buttress Excavation:
June 12, 2018**



**Photo 186: Site Working Area CC4A Part 3 Buttress Excavation:
June 12, 2018**



**Photo 187: Site Working Area CC4A Part 3 Buttress Excavation:
June 12, 2018**



**Photo 188: Site Working Area CC4A Part 3 Buttress Excavation:
June 12, 2018**



Photo 189: Future CC4A Part 3 Liner Area: June 12, 2018



Photo 190: Future CC4A Part 3 Liner Area: June 12, 2018



Photo 191: Future CC4A Part 3 Liner Area: June 12, 2018



Photo 192: Future CC4A Part 3 Liner Area: June 12, 2018



Photo 193: Future CC4A Part 3 Liner Area: June 12, 2018



Photo 194: Closure Turf and Posi Shell: April 24, 2018



Photo 195: Closure Turf and Posi Shell: April 24, 2018



Photo 196: Closure Turf and Posi Shell: April 24, 2018



Photo 197: Closure Turf and Posi Shell: April 24, 2018



Photo 198: Closure Turf and Posi Shell: April 24, 2018



Photo 199: Closure Turf and Posi Shell: April 24, 2018



Photo 200: Closure Turf and Posi Shell: April 24, 2018



Photo 201: Closure Turf and Posi Shell: May 10, 2018



Photo 202: Closure Turf and Posi Shell: May 10, 2018



Photo 203: Closure Turf and Posi Shell: May 10, 2018



Photo 204: Closure Turf and Posi Shell: May 10, 2018



Photo 205: Closure Turf and Posi Shell: May 10, 2018



Photo 206: Closure Turf and Posi Shell: May 10, 2018



Photo 207: Closure Turf and Posi Shell: May 10, 2018



Photo 208: Closure Turf and Posi Shell: May 10, 2018



Photo 209: Closure Turf and Posi Shell: May 10, 2018



Photo 210: Closure Turf and Posi Shell: May 22, 2018



Photo 211: Closure Turf and Posi Shell: May 22, 2018



Photo 212: Closure Turf and Posi Shell: May 22, 2018



Photo 213: Closure Turf and Posi Shell: May 22, 2018



Photo 214: Closure Turf and Posi Shell: May 22, 2018



Photo 215: Closure Turf and Posi Shell: May 22, 2018



Photo 216: Closure Turf and Posi Shell: May 22, 2018



Photo 217: Closure Turf and Posi Shell: May 22, 2018



Photo 218: Closure Turf and Posi Shell: May 22, 2018



Photo 219: Closure Turf and Posi Shell: May 22, 2018



Photo 220: Closure Turf and Posi Shell: May 22, 2018



Photo 221: Closure Turf and Posi Shell: June 12, 2018



Photo 222: Closure Turf and Posi Shell: June 12, 2018



Photo 223: Closure Turf and Posi Shell: June 12, 2018



Photo 224: Closure Turf and Posi Shell: June 12, 2018



Photo 225: Closure Turf and Posi Shell: June 12, 2018



Photo 226: Closure Turf and Posi Shell: June 12, 2018



Photo 227: CC3A North Slope Revegetation: April 24, 2018



Photo 228: CC3A North Slope Revegetation: April 24, 2018



Photo 229: CC3A North Slope Revegetation: April 24, 2018



Photo 230: CC3A North Slope Revegetation: April 24, 2018



Photo 231: CC3A North Slope Revegetation: April 24, 2018



Photo 232: CC3A North Slope Revegetation: April 24, 2018



Photo 233: CC3A North Slope Revegetation: April 24, 2018



Photo 234: CC3A North Slope Revegetation: April 24, 2018



Photo 235: CC3A North Slope Revegetation: April 24, 2018



Photo 236: CC3A North Slope Revegetation: April 24, 2018



Photo 237: CC3A North Slope Revegetation: April 24, 2018



Photo 238: CC3A North Slope Revegetation: April 24, 2018



Photo 239: CC3A North Slope Revegetation: April 24, 2018



Photo 240: CC3A North Slope Revegetation: April 24, 2018



Photo 241: CC3A North Slope Revegetation: April 24, 2018



Photo 242: CC3A North Slope Revegetation: April 24, 2018



Photo 243: CC3A North Slope Revegetation: April 24, 2018



Photo 244: CC3A North Slope Revegetation: April 24, 2018



Photo 245: CC3A North Slope Revegetation: April 24, 2018



Photo 246: CC3A North Slope Revegetation: April 24, 2018



Photo 247: CC3A North Slope Revegetation: April 24, 2018



Photo 248: CC3A North Slope Revegetation: April 24, 2018



Photo 249: CC3A North Slope Well Liquids Spill: April 24, 2018



Photo 250: CC3A North Slope Well Liquids Spill: April 24, 2018



Photo 251: CC3B Top Deck: April 24, 2018



Photo 252: CC3B Top Deck: April 24, 2018



Photo 253: CC3B Top Deck: April 24, 2018



Photo 254: CC3B Top Deck: April 24, 2018



Photo 255: CC3B Top Deck: April 24, 2018



Photo 256: CC3B Top Deck: April 24, 2018



Photo 257: CC3B Top Deck: April 24, 2018



Photo 258: CC3B South Slope: April 24, 2018



Photo 259: CC3B South Slope: April 24, 2018



Photo 260: CC3B South Slope: April 24, 2018



Photo 261: CC3B South Slope: April 24, 2018



Photo 262: CC3B South Slope: April 24, 2018



Photo 263: CC3B South Slope: April 24, 2018



Photo 264: CC3B South Slope Revegetation: May 10, 2018



Photo 265: Site: CC3B South Slope Revegetation: May 10, 2018



Photo 266: CC3B South Slope Revegetation: May 10, 2018



Photo 267: CC3B South Slope Revegetation: May 10, 2018



Photo 268: CC3B South Slope Revegetation: May 10, 2018



Photo 269: CC3B East Slope Revegetation: May 10, 2018



Photo 270: CC3B East Slope Revegetation: May 10, 2018



Photo 271: CC3B North Slope Revegetation: May 10, 2018



Photo 272: CC3B North Slope Revegetation: May 10, 2018



Photo 273: CC3B Top Deck (Bowl) & Slope Revegetation: May 10, 2018



Photo 274: CC3B Top Deck (Bowl) & Slope Revegetation: May 10, 2018



Photo 275: CC3B Top Deck (Bowl) & Slope Revegetation: May 10, 2018



Photo 276: CC3B Top Deck (Bowl) & Slope Revegetation: May 10, 2018



Photo 277: CC3B Top Deck (Bowl) & Slope Revegetation: May 10, 2018



Photo 278: CC3B Top Deck (Bowl) & Slope Revegetation: May 10, 2018



Photo 279: CC3B Top Deck (Bowl) & Slope Revegetation: May 10, 2018



Photo 280: CC3B Top Deck (Bowl) & Slope Revegetation: May 10, 2018



Photo 281: CC3B Top Deck: May 10, 2018



Photo 282: CC3B Top Deck: May 10, 2018



Photo 283: CC3B Top Deck: May 10, 2018



Photo 284: CC3B Top Deck: May 10, 2018



Photo 285: CC3B Top Deck: May 10, 2018



Photo 286: CC3B South Slope: May 10, 2018



Photo 287: CC3B South Slope: May 10, 2018



Photo 288: CC3B South Slope: May 10, 2018



Photo 289: CC3B South Slope: May 10, 2018



Photo 290: CC3B South Slope: May 10, 2018



Photo 291: CC3B South Slope: May 10, 2018



Photo 292: CC3B South Slope: May 10, 2018



Photo 293: CC3A East Slope Revegetation: May 22, 2018



Photo 294: CC3A East Slope Revegetation: May 22, 2018



Photo 295: CC3A East Slope Revegetation: May 22, 2018



Photo 296: CC3A East Slope Revegetation: May 22, 2018



Photo 297: CC3A East Slope Revegetation: May 22, 2018



Photo 298: CC3A East Slope Revegetation: May 22, 2018



Photo 299: CC3A Top Deck Revegetation: May 22, 2018



Photo 300: CC3A Top Deck Revegetation: May 22, 2018



Photo 301: CC3A Top Deck Revegetation: May 22, 2018



Photo 302: CC3A Top Deck Revegetation: May 22, 2018



Photo 303: CC3A Top Deck Revegetation: May 22, 2018



Photo 304: CC3B Top Deck: May 22, 2018



Photo 305: CC3B Top Deck: May 22, 2018



Photo 306: CC3B Top Deck: May 22, 2018



Photo 307: CC3B Top Deck: May 22, 2018



Photo 308: CC3B Top Deck: May 22, 2018



Photo 309: CC3B Top Deck: May 22, 2018



Photo 310: CC3B Top Deck: May 22, 2018



Photo 311: CC3B Top Deck: May 22, 2018



Photo 312: CC3B Top Deck: May 22, 2018



Photo 313: Basin B Slope Native Vegetation: May 22, 2018



Photo 314: Eastside Drainage Channel: May 22, 2018



Photo 316: Eastside Drainage Channel: May 22, 2018



Photo 316: CC3B Basin Low Flow Drain: May 22, 2018



Photo 317: CC3B Basin Low Flow Drain: May 22, 2018



Photo 318: CC3B Basin Low Flow Drain: May 22, 2018



Photo 319: CC3B Basin Low Flow Drain: May 22, 2018



Photo 320: CC3B Top Deck: June 12, 2018



Photo 321: CC3B Top Deck: June 12, 2018



Photo 322: CC3B Top Deck: June 12, 2018



Photo 323: CC3B Top Deck: June 12, 2018



Photo 324: CC3B Top Deck: June 12, 2018



Photo 325: Old City North Top Deck: April 24, 2018



Photo 326: Old City North Top Deck: April 24, 2018



Photo 327: Old City North Liquids Handling: April 24, 2018

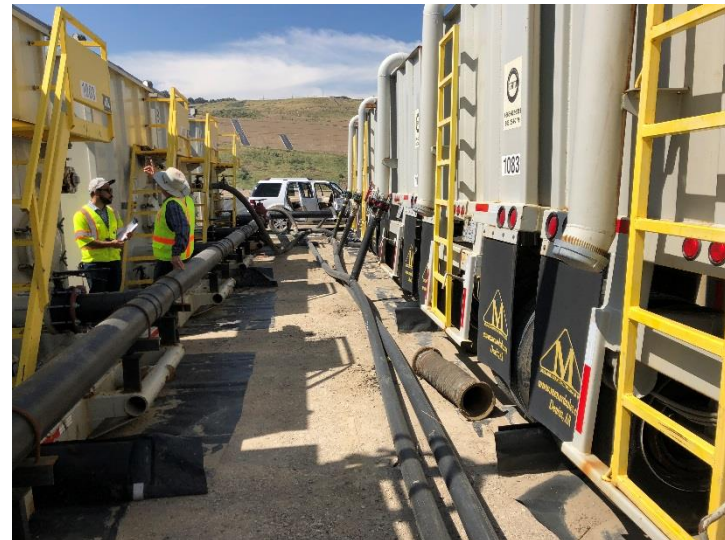


Photo 328: Old City North Liquids Handling: April 24, 2018



Photo 329: Old City North Liquids Handling: April 24, 2018



Photo 330: Old City South Slopes: April 24, 2018



Photo 331: Old City South Slopes: April 24, 2018



Photo 332: Old City South Slopes: April 24, 2018



Photo 333: Old City South Slopes: April 24, 2018



Photo 334: Old City South Slopes: April 24, 2018



Photo 335: Old City South Slopes: April 24, 2018



Photo 336: Old City South Slopes: April 24, 2018



Photo 337: Old City North Top Deck: May 10, 2018



Photo 338: Old City North Top Deck Liquids Handling: May 10, 2018



Photo 339: Old City North Top Deck Liquids Handling: May 10, 2018



Photo 340: Old City North Top Deck Liquids Handling: May 10, 2018



Photo 341: Old City South Slopes: May 10, 2018



Photo 342: Old City South Slopes: May 10, 2018



Photo 343: Old City South Slopes: May 10, 2018



Photo 344: Old City South Slopes: May 10, 2018



Photo 345: Old City South Slopes: May 10, 2018



Photo 346: Old City South Slopes: May 10, 2018



Photo 347: Old City South Slopes: May 10, 2018



Photo 348: Old City South Slopes: May 10, 2018



Photo 349: Old City South Slopes: May 10, 2018



Photo 350: Old City North Top Deck: May 22, 2018



Photo 351: Old City North Top Deck: May 22, 2018



**Photo 352: Old City North Top Deck Liquids Handling Facility:
May 22, 2018**



**Photo 353: Old City North Top Deck Liquids Handling Facility:
May 22, 2018**



**Photo 354: Old City North Top Deck Liquids Handling Facility:
May 22, 2018**



**Photo 355: Old City North Top Deck Liquids Handling Facility:
May 22, 2018**



Photo 356: Old City South Slopes: May 22, 2018



**Photo 357: Old City Landfill Slope South of Office Parking Lot:
June 12, 2018**



**Photo 358: Old City Landfill Slope South of Office Parking Lot:
June 12, 2018**



Photo 359: Old City Landfill Slope South of Office: June 12, 2018



Photo 360: Old City North Top Deck: June 12, 2018



Photo 361: Old City North Top Deck: June 12, 2018



Photo 362: Old City South Slopes: June 12, 2018



Photo 363: Old City South Slopes: June 12, 2018

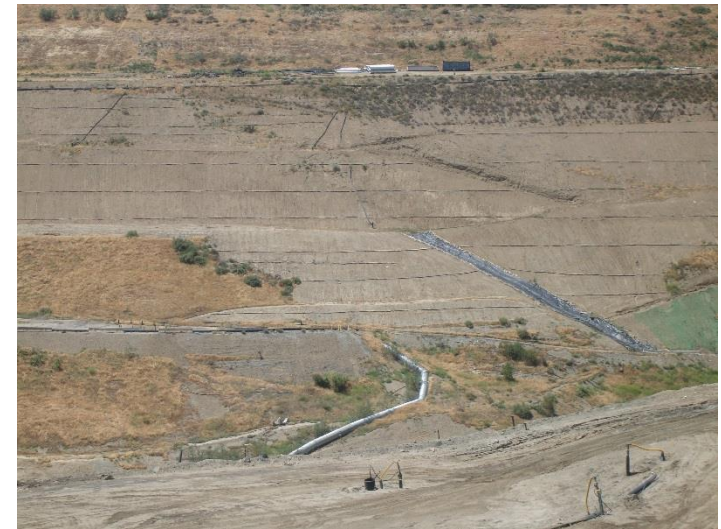


Photo 364: Old City South Slopes: June 12, 2018



Photo 365: Old City South Slopes: June 12, 2018



Photo 366: County Sage Mitigation Area Slope: April 24, 2018



Photo 367: County Sage Mitigation Area Slope: April 24, 2018



Photo 368: County Sage Mitigation Area Slope: April 24, 2018



Photo 369: County Sage Mitigation Area Slope: May 10, 2018



Photo 370: County Sage Mitigation Area Slope: May 10, 2018



Photo 371: County Sage Mitigation Area Slope: May 10, 2018



Photo 372: County Sage Mitigation Area Slope: May 10, 2018



Photo 373: County Sage Mitigation Area Slope: May 10, 2018



Photo 374: County Sage Mitigation Area Slope: May 10, 2018



Photo 375: Basin D Deck Wood Waste Stock Pile: May 10, 2018



Photo 376: Basin D Deck Wood Waste Stock Pile: May 10, 2018



Photo 377: Basin D Deck Wood Waste Stock Pile: May 10, 2018



Photo 378: Basin D Deck Wood Waste Stock Pile: May 10, 2018



Photo 379: Basin D Deck Wood Waste Stock Pile: May 10, 2018



Photo 380: County Sage Mitigation Area Slope: May 22, 2018



Photo 381: County Sage Mitigation Area Slope: May 22, 2018



Photo 382: Basin B: April 24, 2018



Photo 383: Basin B: April 24, 2018



Photo 384: Basin B: April 24, 2018



Photo 385: Basin B: April 24, 2018



Photo 386: Basin B: April 24, 2018



Photo 387: Basin B: April 24, 2018



Photo 388: Basin B Windblown Litter in Native Vegetation: April 24, 2018



Photo 389: Basin D Deck Wood Waste Stockpile: May 10, 2018



Photo 390: Basin D Deck Wood Waste Stockpile: May 10, 2018



Photo 391: Basin D Deck Wood Waste Stockpile: May 10, 2018



Photo 392: Basin D Deck Wood Waste Stockpile: May 10, 2018



Photo 393: Basin D Deck Wood Waste Stockpile: May 10, 2018



Photo 394: Basin D: May 10, 2018



Photo 395: Basin D: May 10, 2018



Photo 396: Basin D: May 10, 2018



Photo 397: Basin D: May 10, 2018



Photo 398: Basin D: May 10, 2018



Photo 399: Basin D: June 12, 2018



Photo 400: Basin D: June 12, 2018



Photo 401: Basin D: June 12, 2018



Photo 402: Basin D Outlet Channel: May 10, 2018



Photo 403: Basin D Outlet Channel: May 10, 2018



Photo 404: Basin D Outlet Channel: May 10, 2018



Photo 405: Eastside Drainage Channel: May 22, 2018



Photo 406: Eastside Drainage Channel: May 22, 2018



Photo 407: Eastside Drainage Channel: June 12, 2018



Photo 408: Old Flare 8 Waste Stockpile: May April 24, 2018



Photo 409: Old Flare 8 Waste Stockpile: May April 24, 2018



Photo 410: Flare 3 Gas Pipeline to Basin A: May 10, 2018



Photo 411: Flare 3 Gas Pipeline to Basin A: May 10, 2018



Photo 412: Flare 3 Gas Pipeline to Basin A: May 10, 2018



Photo 413: Flare 3 Gas Pipeline to Basin A: May 10, 2018



Photo 414: Flare 3 Gas Pipeline to Basin A: May 10, 2018



Photo 415: Flare 3 Gas Pipeline to Basin A: May 10, 2018



Photo 416: Flare 3 Gas Pipeline to Basin A: May 10, 2018



Photo 417: Flare 3 Gas Pipeline to Basin A: May 10, 2018



Photo 418: Flare 3 Gas Pipeline to Basin A: May 10, 2018



Photo 419: Buried Drain at Flare 9 Access Road: May 22, 2018



Photo 420: Buried Drain at Flare 9 Access Road: May 22, 2018



Photo 421: Buried Drain at Flare 9 Access Road: May 22, 2018



Photo 422: County Top Deck (Bowl) & Slope Revegetation: April 24, 2018



Photo 423: County Top Deck (Bowl) & Slope Revegetation: April 24, 2018



Photo 424: County Top Deck (Bowl) & Slope Revegetation: April 24, 2018



Photo 425: County Top Deck (Bowl) & Slope Revegetation: April 24, 2018



Photo 426: County Top Deck (Bowl) & Slope Revegetation: April 24, 2018



Photo 427: County Top Deck (Bowl) & Slope Revegetation: April 24, 2018



Photo 428: County Top Deck (Bowl) & Slope Revegetation: April 24, 2018



Photo 429: County Top Deck (Bowl) & Slope Revegetation: April 24, 2018



Photo 430: County Top Deck (Bowl) & Slope Revegetation: April 24, 2018



Photo 431: County Top Deck (Bowl) & Slope Revegetation: April 24, 2018



Photo 432: County Top Deck: April 24, 2018



Photo 433: County Top Deck: April 24, 2018



Photo 434: County Top Deck: April 24, 2018



Photo 435: County Top Deck: April 24, 2018



Photo 436: County Top Deck: April 24, 2018



Photo 437: County Top Deck (Bowl) & Slope Revegetation: May 10, 2018



Photo 438: County Top Deck (Bowl) & Slope Revegetation: May 10, 2018



Photo 439: County Top Deck (Bowl) & Slope Revegetation: May 10, 2018



Photo 440: County Top Deck (Bowl) & Slope Revegetation: May 10, 2018



Photo 441: County Top Deck (Bowl) & Slope Revegetation: May 10, 2018



Photo 442: County Top Deck (Bowl) & Slope Revegetation: May 10, 2018



Photo 443: County Top Deck (Bowl) & Slope Revegetation: May 10, 2018



Photo 444: County Top Deck (Bowl) & Slope Revegetation: May 10, 2018



Photo 445: County Top Deck: May 10, 2018



Photo 446: County Top Deck: May 10, 2018



Photo 447: County Top Deck: May 10, 2018



Photo 448: County Top Deck: May 10, 2018



Photo 449: County Top Deck: May 10, 2018



Photo 450: County Top Deck: May 10, 2018



Photo 451: County Top Deck: May 10, 2018



Photo 452: County Top Deck: May 10, 2018



Photo 453: County Top Deck: May 10, 2018



Photo 454: County Top Deck: May 22, 2018



Photo 455: County Top Deck: May 22, 2018



Photo 456: County Top Deck: May 22, 2018



Photo 457: County Top Deck: May 22, 2018



Photo 458: County Top Deck: May 22, 2018



Photo 459: County Top Deck: May 22, 2018



Photo 460: County Top Deck: May 22, 2018



Photo 461: County Top Deck: May 22, 2018



Photo 462: County Top Deck: May 22, 2018



Photo 463: County Top Deck: May 22, 2018



Photo 464: Oak Tree & Big Cone Fir Mitigation Area: June 12, 2018



Photo 465: Oak Tree & Big Cone Fir Mitigation Area: June 12, 2018



Photo 466: Oak Tree & Big Cone Fir Mitigation Area: June 12, 2018



Photo 467: Oak Tree & Big Cone Fir Mitigation Area: June 12, 2018



Photo 468: Oak Tree & Big Cone Fir Mitigation Area: June 12, 2018



Photo 469: Oak Tree & Big Cone Fir Mitigation Area: June 12, 2018



Photo 470: Oak Tree & Big Cone Fir Mitigation Area: June 12, 2018



Photo 471: Oak Tree & Big Cone Fir Mitigation Area: June 12, 2018



Photo 472: Oak Tree & Big Cone Fir Mitigation Area: June 12, 2018



Photo 473: Oak Tree & Big Cone Fir Mitigation Area: June 12, 2018



Photo 474: Oak Tree & Big Cone Fir Mitigation Area: June 12, 2018



Photo 475: Oak Tree & Big Cone Fir Mitigation Area: June 12, 2018



Photo 476: Oak Tree & Big Cone Fir Mitigation Area: June 12, 2018



Photo 477: Oak Tree & Big Cone Fir Mitigation Area: June 12, 2018



Photo 478: Basin B: April 24, 2018



Photo 479: Basin B: April 24, 2018



Photo 480: Basin B: April 24, 2018



Photo 481: Basin B: April 24, 2018



Photo 482: Basin B: April 24, 2018



Photo 483: Basin B: April 24, 2018



Photo 484: Basin B Windblown Litter in Native Vegetation: April 24, 2018



Photo 485: Basin B: May 10, 2018



Photo 486: Basin B: May 10, 2018



Photo 487: Basin B: May 10, 2018



Photo 488: Basin B: May 10, 2018



Photo 489: Basin B Windblown Litter in Native Vegetation: May 10, 2018



Photo 490: Basin B May 22, 2018



Photo 491: Basin B May 22, 2018



Photo 492: Basin B May 22, 2018



Photo 493: Basin B May 22, 2018



Photo 494: Basin B May 22, 2018



Photo 495: Basin B Slope Native Vegetation: May 22, 2018



Photo 496: Terminal Basin: April 24, 2018



Photo 497: Terminal Basin: April 24, 2018



Photo 498: Terminal Basin: April 24, 2018



Photo 499: Terminal Basin: April 24, 2018



Photo 500: Terminal Basin: April 24, 2018



Photo 501: Terminal Basin: April 24, 2018



Photo 502: Terminal Basin: April 24, 2018



Photo 503: Terminal Basin: April 24, 2018



Photo 504: Terminal Basin: April 24, 2018



Photo 505: Terminal Basin: April 24, 2018



Photo 506: Terminal Basin: April 24, 2018



Photo 507: Terminal Basin: April 24, 2018



Photo 508: Access Road Slope Near Terminal Basin Entrance: April 24, 2018



**Photo 509: Access Road Slope Near Terminal Basin Entrance:
April 24, 2018**



**Photo 510: Access Road Slope Near Terminal Basin Entrance: April
24, 2018**



**Photo 511: Access Road Slope Near Terminal Basin Entrance: April
24, 2018**



**Photo 512: Access Road Slope Near Terminal Basin Entrance: April
24, 2018**



Photo 513: Terminal Basin: May 10, 2018



Photo 514: Terminal Basin: May 10, 2018



Photo 515: Terminal Basin: May 10, 2018



Photo 516: Terminal Basin: May 10, 2018



Photo 517: Terminal Basin: May 10, 2018



Photo 518: Terminal Basin: May 10, 2018



Photo 519: Terminal Basin: May 10, 2018



Photo 520: Terminal Basin: May 10, 2018



Photo 521: Terminal Basin: May 10, 2018



Photo 522: Terminal Basin: May 10, 2018



Photo 523: Terminal Basin: May 10, 2018



Photo 524: Terminal Basin: May 10, 2018



Photo 525: Terminal Basin: May 22, 2018



Photo 526: Terminal Basin: May 22, 2018



Photo 527: Terminal Basin: May 22, 2018



Photo 528: Terminal Basin: May 22, 2018



Photo 529: Terminal Basin: May 22, 2018



Photo 530: Terminal Basin: May 22, 2018



Photo 531: Terminal Basin: May 22, 2018



Photo 532: Terminal Basin: May 22, 2018



Photo 533: Terminal Basin: May 22, 2018



Photo 534: Terminal Basin: May 22, 2018



Photo 535: Terminal Basin: May 22, 2018



Photo 536: Terminal Basin: May 22, 2018



Photo 537: Terminal Basin: May 22, 2018



Photo 538: Terminal Basin: May 22, 2018



Photo 539: Terminal Basin: May 22, 2018



Photo 540: Terminal Basin: May 22, 2018



Photo 541: Terminal Basin: May 22, 2018



Photo 542: Terminal Basin: May 22, 2018



Photo 543: Terminal Basin: May 22, 2018



Photo 544: Terminal Basin: May 22, 2018



Photo 545: Terminal Basin: May 22, 2018



Photo 546: Terminal Basin: May 22, 2018



Photo 547: Terminal Basin: May 22, 2018



Photo 548: Terminal Basin: May 22, 2018



Photo 549: Terminal Basin: May 22, 2018



Photo 550: Terminal Basin: May 22, 2018



Photo 551: Terminal Basin: June 12, 2018



Photo 552: Terminal Basin: June 12, 2018



Photo 553: Terminal Basin: June 12, 2018



Photo 554: Terminal Basin: June 12, 2018



Photo 555: Terminal Basin: June 12, 2018



Photo 556: Terminal Basin: June 12, 2018



Photo 557: Terminal Basin: June 12, 2018



Photo 558: Terminal Basin: June 12, 2018



Photo 559: Sewer Connection Area: May 22, 2018



Photo 560: Sewer Connection Area: May 22, 2018



Photo 561: Sewer Connection Area: May 22, 2018



Photo 562: Sewer Connection Area: May 22, 2018



Photo 563: Sewer Connection Area: May 22, 2018



Photo 564: Sewer Connection Area: May 22, 2018



Photo 565: Frontage Retaining Wall on San Fernando Road: June 12, 2018



Photo 566: Frontage Retaining Wall on San Fernando Road: June 12, 2018



Photo 567: Frontage Retaining Wall on San Fernando Road: June 12, 2018



Photo 568: Frontage Retaining Wall on San Fernando Road: June 12, 2018



Photo 569: Frontage Retaining Wall on San Fernando Road: June 12, 2018



Photo 570: Frontage Retaining Wall on San Fernando Road: June 12, 2018



Photo 571: Frontage Retaining Wall on San Fernando Road: June 12, 2018



Photo 572: Frontage Retaining Wall on San Fernando Road: June 12, 2018



Photo 573: Decks B & C Sage Mitigation Area: April 24, 2018



Photo 574: Decks B & C Sage Mitigation Area: April 24, 2018



Photo 575: Deck C PM10 Berm Area: May 10, 2018



Photo 576: Deck C PM10 Berm Area: May 10, 2018



Photo 577: Deck C PM10 Berm Area: May 10, 2018



Photo 578: Deck C PM10 Berm Area: May 10, 2018



Photo 579: Deck C Sage Mitigation: May 10, 2018



Photo 580: Deck C Sage Mitigation: May 10, 2018



Photo 581: Deck C Sage Mitigation Area: May 22, 2018



Photo 582: Deck C PM10 Berm Area: June 12, 2018



Photo 583: Deck C PM10 Berm Area: June 12, 2018



Photo 584: Deck C Sage Mitigation Area: June 12, 2018



Photo 585: Deck C Sage Mitigation Area: June 12, 2018



Photo 586: Deck C Sage Mitigation Area: June 12, 2018



Photo 587: Deck C Sage Mitigation Area: June 12, 2018



Photo 588: Deck B Sage Mitigation Area: April 24, 2018



Photo 589: Deck B Sage Mitigation Area: April 24, 2018



Photo 590: Deck B Sage Mitigation Area: April 24, 2018



Photo 591: Deck B Sage Mitigation Area: April 24, 2018



Photo 592: Deck B Sage Mitigation Area: May 10, 2018



Photo 593: Deck B Sage Mitigation Area: May 10, 2018



Photo 594: Deck B Sage Mitigation Area: May 10, 2018



Photo 595: Deck B Sage Mitigation Area: May 10, 2018



Photo 596: Deck B Sage Mitigation Area: May 10, 2018



Photo 597: Deck B Sage Mitigation Area: May 10, 2018



Photo 599: Deck B Sage Mitigation Area: May 22, 2018



Photo 598: Deck B Sage Mitigation Area: May 22, 2018



Photo 600: Deck B Sage Mitigation Area: May 22, 2018



Photo 601: Deck B Sage Mitigation Area: May 22, 2018



Photo 602: Deck B Sage Mitigation Area: May 22, 2018



Photo 603: Deck B Sage Mitigation Area: May 22, 2018



Photo 604: Deck B Sage Mitigation Area: May 22, 2018



Photo 605: Deck B Sage Mitigation Area: May 22, 2018



Photo 606: Deck B Sage Mitigation Area: May 22, 2018



Photo 607: Deck B Sage Mitigation Area: June 12, 2018



Photo 608: Basin D Deck Wood Waste Stockpile: May 10, 2018



Photo 609: Basin D Deck Wood Waste Stockpile: May 10, 2018



Photo 610: Basin D Deck Wood Waste Stockpile: May 10, 2018



Photo 611: Basin D Deck Wood Waste Stockpile: May 10, 2018



Photo 612: Site: April 24, 2018



Photo 613: Site: April 24, 2018



Photo 614: Site: April 24, 2018



Photo 615: Site: April 24, 2018



Photo 616: Site: April 24, 2018



Photo 617: Site: April 24, 2018



Photo 618: Site: April 24, 2018



Photo 619: Site: April 24, 2018



Photo 620: Site: April 24, 2018



Photo 621: Site: April 24, 2018



Photo 622: Site: April 24, 2018



Photo 623: Site: April 24, 2018



Photo 624: Site: April 24, 2018



Photo 625: Site: April 24, 2018



Photo 626: Site: April 24, 2018



Photo 627: Site: April 24, 2018



Photo 628: Site: April 24, 2018



Photo 629: Site: May 10, 2018



Photo 630: Site: May 10, 2018



Photo 631: Site: May 10, 2018



Photo 632: Site: May 10, 2018



Photo 633: Site: May 10, 2018



Photo 634: Site: May 10, 2018



Photo 635: Site: May 10, 2018



Photo 636: Site: May 10, 2018



Photo 637: Site: May 10, 2018



Photo 638: Site: May 10, 2018



Photo 639: Site: May 10, 2018



Photo 640: Site: May 10, 2018



Photo 641: Site: May 10, 2018



Photo 642: Site: May 10, 2018



Photo 643: Site Photo of Truck Avoiding Speed Bumps: May 10, 2018



Photo 644: Site: May 22, 2018



Photo 645: Site: May 22, 2018



Photo 646: Site: May 22, 2018



Photo 647: Site: May 22, 2018



Photo 648: Site: May 22, 2018



Photo 649: Site: May 22, 2018



Photo 650: Site: May 22, 2018



Photo 651: Site: May 22, 2018



Photo 652: Sukut Fuel Storage: June 12, 2018



Photo 653: Site: June 12, 2018



Photo 654: Wetted Pavement on Balboa Blvd at Woodley Ave: June 12, 2018



Photo 655: Site: June 12, 2018



Photo 656: Site: June 12, 2018



Photo 657: Site: June 12, 2018



Photo 658: Site: June 12, 2018



Photo 659: Site: June 12, 2018



Photo 660: Site: June 12, 2018



Photo 661: Site: June 12, 2018



Photo 662: Seismic Recorder: June 12, 2018



**Photo 663: Illegal Dumping San Fernando Road at I-5 Overpass:
May 22, 2018**



**Photo 664: Illegal Dumping San Fernando Road at I-5 Overpass:
May 22, 2018**



**Photo 665: Illegal Dumping San Fernando Road at I-5 Overpass:
May 22, 2018**



**Photo 666: Illegal Dumping San Fernando Road at I-5 Overpass:
May 22, 2018**



**Photo 667: Illegal Dumping San Fernando Road at I-5 Overpass:
May 22, 2018**



**Photo 668: Illegal Dumping San Fernando Road at I-5 Overpass:
May 22, 2018**



**Photo 669: Illegal Dumping San Fernando Road at I-5 Overpass:
May 22, 2018**



Photo 670: Abandoned Trailer North of Entrance: May 22, 2018



**Photo 671: Illegal Dumping San Fernando Road at I-5 Overpass:
May 22, 2018**



**Photo 672: Illegal Dumping San Fernando Road at I-5 Overpass:
May 22, 2018**



**Photo 673: Illegal Dumping San Fernando Road at I-5 Overpass:
May 22, 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

April Site Visits

April 24, 2018:

James Aidukas (UltraSystems)

Mike Lindsay (UltraSystems)

Tarik Hadj-Hamou (SLR)



**SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT**

Monitor: James Aidukas	Page: 1 of 2
Discipline: Project Manager	Date: 4/24/18
Site Conditions: Foggy to Clear, 65-85°F, 0-10 MPH winds	
SITE LOG	
<p>Republic General Manager - Chris Coyle</p> <p>Drove the Granada Hills neighborhood areas from 6:30 to 7:15 a.m. and there were no landfill odors detected. Met with Mike Lindsay (UltraSystems) and Tarik Hadj-Hamou (SLR) and planned the monitoring sequence. Drove the oil field and checked the hillsides for rock movement from the recent earthquake. No movement was observed. Drove to the south perimeter gate and verified that the gate was locked. The oil field operation was not operating due to a Piggings of the gas sales pipeline. Signed in and had a brief meeting with Chris Coyle. Met with Mike Harmon (LACDPW) who was joining us on the monitoring and proceeded to monitor the site and observed the following:</p> <ul style="list-style-type: none"> • Cell CC-4A Part 1 was starting operations and accepting waste. CC-4A Part 2 was not accepting waste. • Met with Dave Thompson and George Kasikarin and had a brief conversation about the operations. • Drove the access road to Cell CC-3A. The Closure Turf was observed to be functioning well with no problem areas. The stockpiled soil adjacent to the east and west Turf edges had erosion rills not yet repaired. • The eastern slopes of CC-3A that were hydroseeded had vegetation well established. There were areas with erosion rills from rainwater runoff that will need to be repaired with possible additions of temporary HDPE lined downslope drainage channels. • The slope area between well 2085 and the tote container and north of GW-3009D had a strong localized odor. This area had prior liquid spill/seep problems. SCS was working on a liquid handling pipeline and liquid wells pumps. A well was also being drilled. • The north and south facing slopes of cell CC-3A also had vegetation doing well. There was minimal vegetation seen on the top deck of CC-3A. • The liquids handling facility on the Old City North top deck was observed and operating with no odors detected. The adjacent area was dry and maintained. • Recycle asphalt was being stockpiled on the top deck of CC-3B. • The vegetation on the south facing slope above the top deck of CC-3B that was hydroseeded was doing well with 50-60% success. The temporary HDPE lined drainage downcomer was reinstalled and erosion rills repaired. • The Posi-Shell covered slopes had areas that needed repair. These areas had some cracking and movement. No odors were detected. • Sediment Basin B was dry and sediment stockpiled to dry. The back native hillside vegetation had wind-blown litter. • The County top deck and slopes (County Bowl) had minimal hydroseeding success. The slopes also had numerous and deep erosion rills. 	

Page 2 of 2, 4/24/18:

- The north gate with access to Coltrane Road was locked.
- There was stockpiled wood and metal debris at the old Flare 8 pad.
- Recycled asphalt was being stockpiled on the County top deck.
- Basin D outlet channel had minimal sediment and tumbleweeds.
- Basin D was clear of sediment and dry.
- The wood waste and debris stockpiled on the Basin D adjacent dirt deck did not change since the last monitoring.
- The County sage mitigation areas covered with jute netting and hydroseeded were growing vegetation on approximately 50% of the area.
- Basin A was dry with sediment moved and piled to dry.
- Cell CC-4 Part 3 buttress construction started. A paleontologist was observing earthmoving. A biologist cleared the initial grading area.
- The terminal basin was dry and had sediment moved and piled to dry.
- The access road slopes near the terminal basin's inlet were drying and appeared stable.
- City Deck B sage mitigation had final grading, staking, and planting activities in progress.
- City Deck C sage mitigation had maintenance personnel at the site.

Flare Operating Conditions:

- Flare 1 - 1702°F, 2380 SCFM, -57.70" vacuum, 38.4" out, 38% CH₄, 92 ppm H₂S, 0.5% O₂
- Flare 3 - 1700°F, 2510 SCFM, 44% CH₄, 37 ppm H₂S, 1.2% O₂
- Flare 9 - 1662°F, 2448 SCFM, -63.56" vacuum, 38.4" out
- Flare 10 - shut down
- Flare 11 - 1656°F, 2528 SCFM

The gas-to-energy plant was using 7597 SCFM of recovered landfill gas, 45% CH₄, 1.3% O₂, 60 ppm H₂S. Total gas volume recovered was 17,463 SCFM.

FURTHER REVIEW NEEDED

COMMENTS

Signed: 

**SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT**

Monitor: Mike Lindsay	Page: 1 of 2
Discipline: Environmental Engineer	Date: 04-24-2018 Tuesday
Site Conditions: Fog then Clear, 68–83 °F, 3–10 mph, 46% RH	
SITE LOG	
<ol style="list-style-type: none"> 1. Met with Jim Aidukas and Tarik Hadj-Hamou (UltraSystems). 2. Perimeter gate at oil field is locked. 3. Checked into office and with Chris Coyle (Republic). 4. Met with Mike Harmon (LACDPW). 5. Met with Dave Thompson and George Kasikarin (LA City LEA). 6. Several species of new plant growth are present on east slopes of Cell CC-3A. 7. Traffic spotters are onsite to control traffic. 8. Cell CC-3A top deck is in good order. 9. Cell CC-3B has new stockpiled broken asphalt. 10. Strong odor is present at Cell CC-3A top deck, with 10 MPH wind blowing from the south, in-line with the tank farm to the south at 10:10 AM. 11. Cell CC-4 Part 1 working area is not active with new trash today, with excavation and grading work at north side of deck. 12. Cell CC-4 Part 2 has two working areas today, including four tippers. ADC at the north site is 60% covered with new trash at 10:15 AM. ADC at south site is 50% covered with new trash at 10:15 AM. 13. A strong liquid odor is present below east slope of Cell CC-3A. 14. Tank farm is in good order, with no odor present at 10:40 AM. 15. Workers have a gas collection header pipe opened for maintenance on the north slope of Cell CC-3B. 16. Water trucks are applying water throughout site for dust control. 17. Sediment basin B is in good overall condition, with all ponding water removed. 18. Secondary access road perimeter gate is closed. 19. Secondary access road is in good condition. 20. A debris pile is present at the old Flare 8 site. 21. Flare 9 is operating at 2473 scfm, 1652 °F. Gas sample measured at 45 % Vol. CH₄, 1.3 % Vol. O₂, 60 ppm H₂S and over 500 ppm CO. Gas inlet temperature is at 129 °F. Blowers 1, 2, 3 and 4 are in operation. 22. Flare 10 is offline. 23. Flare 11 is operating at 2419 scfm, 1650 °F. 24. Street sweepers are cleaning the haul roads. 25. Sediment basin A is in good condition, with sediment partially formed into piles for removal. 26. Flare 3 is operating at 2552 scfm, 1666 °F. Gas sample measured at 44 % Vol. CH₄, 1.2 % Vol. O₂, 37 ppm H₂S and 397 ppm CO. 27. Cell CC-4 Part 3 new construction has begun, with a paleontology monitor present for native soils. 28. Flare 1 is operating at 2402 scfm, 1665 °F. Gas sample measured at 38 % Vol. CH₄, 0.5 % Vol. O₂, 92 ppm H₂S and 92 ppm CO. Gas inlet temperature is at 133 °F. 29. Terminal basin has sediment placed into piles for removal. 	

Page: 2 of 2 04-24-2018



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

FURTHER REVIEW NEEDED

1. Eliminate strong liquid odor below east slope of Cell CC-3A.
2. Remove debris pile at old Flare 8 site.

Signed: *Michael W. Lindsay*



SUNSHINE CANYON LANDFILL

MITIGATION MONITORING
SITE REPORT

Monitor: Tarik Hadj-Hamou, Ph.D., P.E.	PAGE 1 OF 10
Discipline: Civil – Geotechnical and Hydrology	Date: April 24, 2018
Site Conditions: Sunny and warm	
SITE LOG	
7:00 Met with UltraSystems team members Jim Aidukas and Mike Lindsay, prepare tour of landfill, 9:15: meet with Michael Harmon of the Los Angeles County Department of Public Works	
8:00 – 1:00 Site inspection <ul style="list-style-type: none"> • Tour of landfill • Waste placement in Cell CC4 • Erosion protection system • Drainage systems (Basins, channels) • Access Roads • Closure Turf on slopes of Cell CC3 • Retaining wall along San Fernando Road • Landfill for geotechnical and hydrological issues • Other observations 	
Tour of landfill <ul style="list-style-type: none"> • drove up oil road to exit gate – gate was closed and locked • drove up the exit road off the Flare 9-11 pad to check the gate – gate was closed and locked 	
Waste Placement in Cell CC4 <ul style="list-style-type: none"> • Cell CC4 Phase 1 <ul style="list-style-type: none"> – Cell was accepting waste at two locations (Photo 1) – 3 Tilters were in use – interim daily cover was used and being covered (Photo 2) – lined area around phase 1 was dry 	
Erosion Protection Systems <ul style="list-style-type: none"> • We noted some severe and deep erosion gullies on the slopes of Cell CC3 B (Photo 3 and 4) and the downstream face of the embankment of the earthen basin at Cell CC3 (Photos 5). • Posi-shell applied to the slopes of Cell CC3 is holding out. We did not notice any new cracks since the January and March visits 	
Drainage System <ul style="list-style-type: none"> • Terminal Basin <ul style="list-style-type: none"> – Water was not observed in the basin – the basin contains large amount of sediment but those rare being hauled off (Photo 6) – The three skimmers were lowered • Basin A <ul style="list-style-type: none"> – Sediments are being removed – The gas header providing gas to Flare 3 is supported on pedestal made with V-notched pieces of HDPE pipe. Some of out of alignment pedestals have not moved further out since first noted on December 12, 2017. However, with the arrival of summer season and 	

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PAGE 2 OF 10




<p>associated warmer days, the thermal expansion/contraction of the pipe may lead to further movement of the supports and could lead to the fall of the pipe into the basin.</p> <ul style="list-style-type: none"> • Basin B <ul style="list-style-type: none"> – Basin is clean with the exception of a small amount of accumulated sediment ready for removal (Photo 7) • Basin D <ul style="list-style-type: none"> – Clean – The concrete spillway between the two parts of the basin is cracked and vegetation including a small bush is growing through the crack (Photo 8). • Channel between Basin D and access road to Flare 9 and 10. <ul style="list-style-type: none"> – Some sediment and debris have accumulated in the channel with some vegetation (Photo 9) that should be cleaned to avoid birds using it for nesting and thereby creating a potential conflict with habitat protection regulations and before rainy season. • Earthen basin on eastern end of Cell CC3 <ul style="list-style-type: none"> – the basin is cleaned and available for storage – northern channel – sediments have accumulated against the asphalt berms/check dams constructed in the channel (Photo 10) and vegetation is growing. Channel should be cleaned to avoid birds using it for nesting and thereby creating a potential conflict with habitat protection regulations and before rainy season. 	
<p>Access Roads.</p> <ul style="list-style-type: none"> • Access road to administration pad <ul style="list-style-type: none"> – The slump (Photo 11) observed near the end of the road on the hill on south side of the road has not evolved since last visit. • Main access road <ul style="list-style-type: none"> – It is our understanding that the sloughing on the embankment of the access road observed and noted in previous reports will be addressed by Geo-Logics and Associates • Access road to Flare 3 was observed – no issues • Access road at Flare 9-10 was observed – no issues 	
<p>Closure Turf on slopes of CC3:</p> <ul style="list-style-type: none"> • it appears that large volume of sands are washed away in the steep slope areas and along drainage paths (Photos 12 and 13) • Republic should check with Watershed Geosynthetics if there is cause for concern in terms of the UV protection of the geosynthetics 	
<p>Excavation for Cell 4 Phase 3</p> <ul style="list-style-type: none"> • Excavation was ongoing with scrapper and dozers • paleontologist was monitoring the earthwork 	
<p>Retaining wall on San Fernando Road:</p> <ul style="list-style-type: none"> • Soil has eroded away from the slope and partially filled the drainage swale; on top of the wall but soil has not accumulated against the fence. Therefore there is no concern at this time 	
<p>Landfill for geotechnical and hydrological issues</p> <ul style="list-style-type: none"> • no other geotechnical issues than that noted at access roads were observed during the visit 	
<p>1:00- 1:40 Close-out meeting with Republic Staff representative (Joshua Mills and Tuong-Phu Ngo) to discuss findings of visit</p>	

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PAGE 3 OF 10



FURTHER REVIEW NEEDED
<ul style="list-style-type: none">• Remove vegetation from the crack in spillway at Basin D and grout the crack• gullies on the slopes of cell CC3 should be inspected to see if waste was uncovered
COMMENTS
It is assumed that the excavation for Phase 3 of Cell CC4 is monitored by an engineering geologist to identify potential technical issues
Signed: 

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PAGE 4 OF 10



Photo 1: Waste placement at Cell CC4



Photo 2: Alternative daily cover at Cell CC4

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PAGE 5 OF 10



Photo 3: Erosion on east facing slope of Cell CC3



Photo 4: Erosion on north facing slope of Cell CC3

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PAGE 6 OF 10



Photo 5: Erosion on earthen basin at eastern end of Cell CC3



Photo 6: Sediments in Terminal Basin Upstream of Gabion Wall

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PAGE 7 OF 10



Photo 7: Residual amounts of sediments in Basin B



Photo 8: Cracked concrete spillway between two parts of Basin D and vegetation in crack

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PAGE 8 OF 10



Photo 9: Vegetation in channel between Basin D and the access road to Flares 9-11



Photo 10: Sediments accumulation against asphalt berm in northern portion of main channel to terminal Basin

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PAGE 9 OF 10



Photo 11: Slump near Administration Pad



Photo 12: Sand washed out of the ClosureTurf on steep slope

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PAGE 10 OF 10



Photo 13: Sand washed out of the ClosureTurf in drainage path

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May Site Visits

May 10, 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: 5/10/18
Site Conditions: Overcast to Clear, 65-80°F, 0-10 MPH winds	
SITE LOG	
<p>Republic General Manager - Chris Coyle</p> <p>Drove the Granada Hills neighborhood areas from 6:45 to 7:15 a.m. and there were no landfill odors detected. Drove San Fernando Road from Roxford to the site. The area under and adjacent to the I-5 overpass had significant illegal dumping. This area is outside of the Republic clean-up area. San Fernando Road from the Old Road to the landfill entrance had areas with windblown litter and a door dumped on the northbound shoulder. North of the entrance along the landfill wall on San Fernando Road was an illegally parked abandoned mobile office trailer. Sierra Highway near the I-14 overpass was free of windblown litter and debris. Met with Mike Lindsay (UltraSystems), signed in, and had a brief meeting with Joshua Mills (Republic). We then proceeded to monitor the site and observed the following:</p> <ul style="list-style-type: none"> • Cell CC-4 Part 2 was accepting waste and Cell CC-4 Part 1 was not operating. • The main haul road was a long non-paved road that looped around the eastern side of Cell CC-3A. The road was being watered. Dust occurred between watering. No road sealant was being used. • The drainage channel around CC-4 Part 2 was dry with only minor sediment in the channel. • Grubbing and initial grading was being done at the CC-4 Part 3 buttress area. Two areas were restricted to no activity with 50' due to nesting birds. • A paleontologist monitor was onsite monitoring activities in the buttress area. • The main landfill gas recovery pipeline to Flare 3 was rerouted near the flare site, with concrete foundations installed to anchor the main pipeline. • A Sixence system to monitor the CC-4 Part 3 buttress area during the landslide removal process was installed at the lower portion of the existing slide area. • Basin A was dry with sediment moved into piles to dry. Tree trunks and HDPE pipe supports were stockpiled in the basin from the Flare 3 gas pipeline construction activities. A Flare 3 pipeline service road was constructed at the back of the basin. • The hydroseeded vegetation on the County sage mitigation slopes has died from the hot weather. This area will be prime for Fall sage and other native seeding. Other areas with native vegetation has flowered. • Basin D is dry and free of sediment. • The tree trunks and wood waste stockpiled adjacent to Basin D has been significantly removed with approximately four dump truck loads left. • The Basin D outlet channel directly out of the basin has soils with vegetation growing in the channel bottom. The next channel section has been cleared of tumbleweed and sediment. The HDPE liner has been repaired. • Wet weather deck and road material is stockpiled on the County top deck. 	

Page 2 of 2, 5/10/18:

- Basin B was dry and cleared of sediment. The back native hillsides have windblown litter.
- The hydroseeded areas of CC-3B, CC-3A, and the County Bowl have died due to the hot weather in the non-irrigated areas. The vegetation will provide some soil stabilization and prime fall re-seeding areas.
- A strong localized landfill gas odor was detected on the top deck of CC-3A near the Rain-for-Rent water tank. It was coming from the area of GW 3014D on the CC-3B top deck.
- The top of deck CC-3B had wet weather recycled asphalt stockpiled.
- The leachate tank farm was receiving liquids and the gas recovery was performing well. No odors were detected.
- The Deck B sage mitigation area had fine grading completed and irrigation piping installed.
- The Deck C sage mitigation area was doing well. Yearly non-native removal and salt bush trimming had not yet been performed.
- The PM-10 trees were doing well. The understory, however, had a thick cover of mustard that should be removed.
- The Closure Turf and Posi-Shell areas have been maintained and are performing well, as expected.
- An ecology transfer truck (Lic. 4PW9713) was seen going the wrong way when exiting on the main access road to avoid the speed bumps.
- The terminal basin had standing water at the outlet risers. Sediment was stockpiled for drying.

Flare Operating Conditions:

- Flare 1 - 1696°F, 2260 SCFM, -58.14" vacuum, 38.25" out, 38% CH₄, 92 ppm H₂S, 0.5% O₂
- Flare 3 - 1704°F, 3349 SCFM, -90.3" vacuum, 43% CH₄, 38 ppm H₂S, 1.1% O₂
- Flare 9 - 1656°F, 4398 SCFM, -63.4" vacuum, 39.7" out
- Flare 10 - 1655°F, 3250 SCFM
- Flare 11 - 1659°F, 4271 SCFM

The gas-to-energy plant was not operating. The total gas volume recovered was 17,528 SCFM, 45% CH₄, 0.6% O₂, 62 ppm H₂S.

FURTHER REVIEW NEEDED

COMMENTS

Signed: 

**SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT**

Monitor: Mike Lindsay	Page: 1 of 2
Discipline: Environmental Engineer	Date: 05-10-2018 Thursday
Site Conditions: Clear, 62–82 °F, 2–12 mph, 54% RH	
SITE LOG	
<ol style="list-style-type: none"> 1. Met with Jim Aidukas (UltraSystems), and checked into office and with Joshua Mills (Republic). 2. Water trucks are applying water throughout site for dust control. 3. Native vegetation is being removed at Cell CC-4 Part 3 buttress construction area. 4. A paleontology monitor is present for the buttress area grubbing work. 5. Two bird nests have been discovered in trees at the buttress construction site, and are being monitored. 6. Flare 3 is operating at 3346 scfm, 1698 °F. Gas sample measured at 43 % Vol. CH₄, 1.1 % Vol. O₂, 38 ppm H₂S and over 500 ppm CO. 7. Sediment basin A has been cleared of sediment. 8. Gas header line at sediment basin A has new concrete supports. 9. Debris pile of timber near sediment basin D has had a large portion removed. 10. Sediment basin D is in good order. 11. Drainage channel for sediment basin D is clear. 12. Flare 9 is operating at 4357 scfm, 1658 °F. Gas sample measured at 45 % Vol. CH₄, 0.6 % Vol. O₂, 62 ppm H₂S and over 500 ppm CO. Gas inlet temperature is at 133 °F. Blowers 1, 2, 3 and 4 are in operation. 13. Flare 10 is operating at 3253 scfm, 1649 °F. 14. Flare 11 is operating at 4250 scfm, 1648 °F. 15. The gas-to-energy plant is offline for maintenance. 16. Sediment basin B is in order, with all sediment removed. 17. Street sweepers are cleaning the paved main access road. 18. Cell CC-3A top deck is in good order. 19. A strong landfill gas odor is present at southern edge of Cell CC-3A top deck at 11:30 AM. 20. A gas odor is present on north edge of Cell CC-3B at 11:40 AM. 21. Tank farm is in good order, with no odor present at 11:50 AM. 22. Traffic spotters are onsite to control traffic. 23. Flare 1 is operating at 2402 scfm, 1665 °F. Gas sample measured at 38 % Vol. CH₄, 0.5 % Vol. O₂, 92 ppm H₂S and 92 ppm CO. Gas inlet temperature is at 133 °F. 24. City deck B sage mitigation area has been cleared for revegetation planting. 25. City deck C sage mitigation area is growing well, with yellow daisies throughout. 26. The closure turf and Posi-Shell City slopes are in good order. 27. An Ecology haul truck drove the wrong way around a long set of K-rails in order to avoid a speed bump (license plate 4PW9713). 28. Terminal basin has sediment placed into piles for removal. 29. Bird abatement is present at east slope of Cell CC-3A. 30. Met with Joshua Mills and Tuong-phu Ngo (Republic), and discussed our site monitoring observations. 	

Page: 2 of 2 05-10-2018



FURTHER REVIEW NEEDED

1. Remove remaining timber debris pile near sediment basin D.
2. Eliminate strong gas odor below east slope of Cell CC-3A.
3. Ensure that haul trucks do not drive on the wrong side of the road.

Signed: *Michael W. Lindsay*

May 22, 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: 5/22/18
Site Conditions: Coudy to clear, 65-80°F, 0-15 MPH winds	
SITE LOG	
<p>Republic General Manager - Chris Coyle</p> <p>Drove the Granada Hills neighborhood areas from 6:30 to 7:15 a.m. and there were no landfill odors detected. Drove San Fernando Road from Roxford to the site. The area under and adjacent to the I-5 overpass had an increase in the amount of illegal dumping. This area is outside of the Republic clean-up area. The monitor will report it to the City 311 hotline. San Fernando Road from the Old Road to the landfill entrance had areas with windblown litter and an illegally dumped door on the eastern shoulder, across from the Jensen Filtration entrance. Met with Mike Lindsay (UltraSystems), signed in, proceeded to monitor the site, and observed the following:</p> <ul style="list-style-type: none"> • The main access road to the scales was cleaned by the street sweeper prior to the start of operations. • The Old City landfill soil stockpile south of the office parking lot has an area of the slope that continues to subside. Republic should investigate the possible cause and monitor it. • In the office parking lot, there was an old power pole being used for a car parking stop. The pole has high voltage signs on it. If there is a buried power source, it should be properly marked. If not, these pole signs should be removed. • The alluvial water cut-off wall pumps were not working and alluvial water was seeping into the terminal basin. Republic's maintenance personnel were replacing the level control switch. • The terminal basin had standing water around the outlet risers, possibly from the alluvial seeps. Sediment was stockpiled for drying and removal. • North of the entrance along the landfill property block wall on San Fernando Road, there was an illegally parked abandoned mobile office trailer. This trailer was seen on prior monitoring visits. Windblown litter and debris and dumped tires were observed on Sierra Highway, near the 1-14 overpass. • The hillside retaining wall south of the entrance had loose rock and soil removed from the slope and the rock and soil removed from the top of the wall. Soil in front of the wall and at the roadway curb was not removed. The wall drains were plugged with soil. • Drove the Granada Hills adjacent neighborhood and school from 9:00 to 9:30 a.m. and no landfill odors were detected. • There were no landfill odors detected at the sewer connection area. Vault access panels were sealed with a foam sealant. • The seismograph was located, but the operating condition of the equipment could not be verified. • The CC-3B basin had the low flow drain cleared of debris. The water flow path to the drain was not HDPE lined or rock armored. Deep ruts were observed. • Wet weather recycled asphalt was being stockpiled on the CC-3B top deck. 	

Page 2 of 2, 5/22/18:

- A localized gas odor was detected at Well 2091 at the north edge of the CC-3B top deck.
- A strong gas and/or liquids odor was detected on the CC-3A top deck near the Rain-for-Rent water tank. The odor was coming from the general area of Well 2091. Maintenance of a well liquid removal pump was being done on the deck in another area of the CC-3B top deck.
- The hydroseeding on the CC-3A top deck had minimal germination.
- The leachate tank farm was operating with no problems observed.
- CC-4 Part 2 was active and accepting waste. CC-4 Part 1 was not operating.
- A trash composition test was being done on select waste being disposed of in CC-4 Part 2.
- 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.
- Grubbing and minor grading was being done at the CC-4 Part 3 buttress area. Two areas were still restricted to no activity within 50' because of nesting birds.
- A paleontologist was on site monitoring activities in the buttress area.
- Deck B sage mitigation area has planting flagging in place and appears to be ready for planting and seeding when fall weather conditions occur.
- Deck C sage mitigation was doing well. Maintenance to remove non-natives has not yet occurred. There is mustard around the perimeter and within the mitigation area.
- The PM-10 oak trees have dense mustard vegetation in the understory about 3' high.
- The eastside drainage channel has gravel and soil behind the humps in the channel that should be cleared.
- Localized odor was detected at GW-701.
- Basin B was dry and cleared of sediment. The back native hillside had minimal windblown litter. The County top deck has stockpiled wet weather recycled concrete and asphalt.
- The areas that had jute netting installed and were hydroseeded on the County sage area slopes germinated, grew, and died. The dead plants appears to be beneficial for future seeding.
- Basin A had minimal stagnant water at the outlet riser. All but one pile of sediment was removed.

Flare Operating Conditions:

- Flare 1 - 1687°F, 2220 SCFM, -57.75" vacuum, 38.33" out, 39% CH₄, 88 ppm H₂S, 0.8% O₂
- Flare 3 - could not get access to the flare
- Flare 9 - shut down
- Flare 10 - 1662°F, 3572 SCFM, -63.25" vacuum, 39.82" out
- Flare 11 - 1665°F, 2812 SCFM

The gas-to-energy plant was operating at 100% production using 9674 SCFM of recovered landfill gas. The total gas volume recovered (without Flare 3 volume) was 18,278 SCFM, 45% CH₄, 0.7% O₂, 51 ppm H₂S.

FURTHER REVIEW NEEDED

COMMENTS

Signed: 

**SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT**

Monitor: Mike Lindsay	Page: 1 of 2
Discipline: Environmental Engineer	Date: 05-22-2018 Tuesday
Site Conditions: Cloudy, 58–71 °F, 3–12 mph, 69% RH	
SITE LOG	
<ol style="list-style-type: none"> 1. Met with Jim Aidukas (UltraSystems), and checked into office. 2. Terminal basin has sediment placed into piles for removal. 3. Cutoff wall pump/ controls are being repaired by Republic personnel. 4. Illegally dumped tires and debris are present on Sierra Highway near the I-14 overpass. 5. Illegally dumped trash and debris are present on San Fernando Road near the I-5 overpass. 6. Soil is piled in front of retaining wall by landfill entrance. V-ditch behind retaining wall is clear of soil. 7. No odors are present in adjacent neighborhood and school from 9:00 to 9:30 AM. 8. New sewer lift station access manhole and controls shed have been installed near landfill entrance. 9. A strong odor is present at southern edge of Cell CC-3A top deck at 10:20 AM. 10. A gas odor and a gas hissing sound are present at Well 2091 on north edge of Cell CC-3B at 10:25 am. 11. Water trucks are applying water throughout site for dust control. 12. Cell CC-4 Part 1 is inactive. 13. Gas well piping is being relocated to the east to make room for Cell CC-4 Part 1 expansion. 14. Met with Joshua Mills and Tuong-phu Ngo (Republic) in the field, and discussed pipe relocation plans. 15. Trash composition is being analyzed at Cell CC-4 Part 2. 16. Cell CC-4 Part 2 is in good working order, including three tipplers. ADC is 70% covered with new trash at 11:10 AM. 17. Grading and excavation work has begun for the buttress. 18. A paleontology monitor is present for the buttress area grubbing work. 19. Traffic spotters are onsite to control traffic. 20. Flare 1 is operating at 2232 scfm, 1685 °F. Gas sample measured at 39 % Vol. CH₄, 0.5 % Vol. O₂, 88 ppm H₂S and 95 ppm CO. Gas inlet temperature is at 110 °F. 21. Tank farm is in good order, with no leaks or odors present. 22. Sediment basin B is in good order. 23. Flare 9 is offline. 24. Flare 10 is operating at 3554 scfm, 1649 °F. Gas sample measured at 45 % Vol. CH₄, 0.7 % Vol. O₂, 51 ppm H₂S and over 500 ppm CO. Gas inlet temperature is at 138 °F. Blowers 1, 2, 3 and 4 are in operation. 25. Flare 11 is operating at 2755 scfm, 1645 °F. 26. Street sweepers are cleaning the paved roads. 27. Sediment basin A is in good order. 28. Met with Joshua Mills and Tuong-phu Ngo (Republic), and discussed our site monitoring observations. 	

Page: 2 of 2 05-22-2018



FURTHER REVIEW NEEDED

1. Remove tires and debris along Sierra Highway.
2. Remove trash and debris along San Fernando Road.
3. Eliminate strong gas odor below east slope of Cell CC-3A.
4. Eliminate gas odor near Well 2091.

Signed:

Michael W. Lindsay

June Site Visits

June 12, 2018:

James Aidukas (UltraSystems)

Mike Lindsay (UltraSystems)

Tarik Hadj-Hamou (SLR)



**SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT**

Monitor: James Aidukas	Page: 1 of 2
Discipline: Project Manager	Date: 6/12/18
Site Conditions: Cloudy to Clear, 65-90°F, 0-15 MPH winds	
SITE LOG	
<p>Republic General Manager - Chris Coyle</p> <p>Drove the Granada Hills neighborhood areas from 6:30 to 7:30 a.m. and there were no landfill odors detected in the adjacent neighborhood and at Van Gogh School. There were liquid stains on Balboa at Woodley and faint trash odors were detected. Drove San Fernando Road from Roxford to the site. The area under and adjacent to the I-5 overpass had significant illegal dumping. A pile of dumped soil, six tires, and nine 5-gallon buckets were observed. This area is outside of the Republic clean-up area. The monitor will report this to the City 311 hotline. San Fernando Road from the Old Road to the landfill entrance had areas with windblown litter.</p> <p>Met with Mike Lindsay (UltraSystems) and Tarik Hadj-Hamou (SLR) and signed in at the office. We went to the office parking area and observed:</p> <ul style="list-style-type: none"> • Approximately 20 trucks were queueing at the scales at 8:59 a.m. • The Posi-Shell on the back slopes of CC-4 Part 1 and the Closure Turf looked well maintained. • The soil stockpiled on the Old City landfill south of the parking lot had an increase in the settlement on the north-facing slope. The cause of the settlement should be investigated. <p>Met with Tiffany Butler and Nick Hendricks (LA City Planning) and Eugene Tseng and George Kasikarin (City LEA). They joined us and we proceeded to monitor the site and observed the following:</p> <ul style="list-style-type: none"> • The site from the Deck A observation deck. CC-4 Part 2 was accepting waste. CC-4 Part 1 was not operating. • Flare 1 - 1688°F, 2396 SCFM, 39% CH₄, .6% O₂, 92 ppm H₂S. No gas leaks or odors were detected at the Flare 1 site. • CC-4 Part 3 buttress grading had two dozers and six scrapers operating. • Deck B sage mitigation area was ready for planting in the fall. • Deck C sage mitigation was showing signs of die-back from the hot weather. • The Alder tank farm was operating and no localized odors were detected. • The top deck of CC-3B had some of the stockpiled asphalt moved. Two drilling rigs were in operation. • Localized odors were detected on CC-3B top deck and CC-3A top deck possibly coming from the well drilling on CC-3B. • Basin A was dry and had all but one small pile of sediment removed. The rock around the outlet risers was still plugged with sediment. The gas header to Flare 3 had concrete supports installed. 	

Page 2 of 2, 6/12/18:

- The north perimeter gate was locked. The north secondary access road had deep ruts and should be graded.
- 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.


FURTHER REVIEW NEEDED

COMMENTS

Signed: 

**SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT**

Monitor: Mike Lindsay	Page: 1 of 1
Discipline: Environmental Engineer	Date: 06-12-2018 Tuesday
Site Conditions: Clear, 66–92 °F, 2–12 mph, 50% RH	
SITE LOG	
<ol style="list-style-type: none">1. Met with Jim Aidukas and Tarik Hadj-Hamou (UltraSystems), and checked into office.2. Met with Nick Hendricks and Tiffany Butler (LA City Planning).3. Met with Eugene Tseng and George Kasikarin (City LEA).4. Observed overall landfill operations from observation deck, including excavation work for Cell CC-4 Part 3 and buttress area.5. Water trucks are applying water throughout site for dust control.6. City Deck A is in good growing condition.7. City Deck B has been prepared for sage mitigation planting.8. Flare 1 is operating at 2442 scfm, 1680 °F. Gas sample measured at 39 % Vol. CH₄, 0.6 % Vol. O₂, 92 ppm H₂S and 71 ppm CO. Gas inlet temperature is at 130 °F.9. City Deck C sage mitigation area is well covered with new vegetation growth.10. Street sweepers are cleaning the haul roads.11. Two drill rigs are drilling new gas wells on the south slope of Cell CC-3B.12. Cell CC-3A top deck is in good order, with localized odors coming from the drilling rigs at 11:15 AM.13. Bird abatement is active at Cell CC-4 Part 2, with seagulls trying to land on working area at 11:30 AM.14. Working area at Cell CC-4 Part 2 is in good order, with four tippers and water mister in operation.15. Sediment basin A is in good order, with one pile of soil ready for removal.16. Traffic spotters are onsite to control traffic.17. Flare 3 is offline.18. Buttress excavation continues, stockpiling soil near the County top deck.19. Secondary access road is in good condition, with perimeter gate closed and locked.20. Big cone fir trees are in overall good condition, with significant growth evident for many of the individual trees since last year. Tree maintenance crew at site reported that 10 to 15 big cone fir trees have died, possibly due to a lack of water.21. Met with Joshua Mills and Tuong-phu Ngo (Republic), and discussed our site monitoring observations.	

FURTHER REVIEW NEEDED
<ol style="list-style-type: none">1. Eliminate gas odor at south slope of Cell CC-3B.2. Investigate cause of big cone fir tree die-off.
Signed: 



SUNSHINE CANYON LANDFILL

**MITIGATION MONITORING
SITE REPORT**

Monitor: Tarik Hadj-Hamou, Ph.D., P.E.	PAGE 1 OF 9
Discipline: Civil – Geotechnical and Hydrology	Date: June 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 sites to inspect	
9:00: meet with George Kasikarin, Eugene Tseng, Tiffany Butler and Nicholas Hendricks and monitor site.	
9:00 – 2:00 Site inspection	
<ul style="list-style-type: none"> • Tour of landfill • Waste placement in Cell CC4 • Erosion protection system • Drainage systems (Basins, channels) • Access Roads • Closure Turf on slopes of Cell CC3 • Retaining wall along San Fernando Road • Landfill for geotechnical and hydrological issues • Other observations 	
Tour of landfill <ul style="list-style-type: none"> • Drove up to main observation point on top of old landfill deck. Described landfill to Tiffany Butler, new to the project • Noted an oil storage tank on a lower bench. The tank includes a secondary containment but there is no drip pan under the nozzle (Photo 1) 	
Waste Placement in Cell CC4 <ul style="list-style-type: none"> • Cell CC4 Phase 3 <ul style="list-style-type: none"> – Cell was accepting waste (Photo 2) – 3 Tilters were in use (Photo 3) – interim daily cover was used and being covered (Photo 3) – the lined water collection area around the phase was dry 	
Erosion Protection Systems <ul style="list-style-type: none"> • 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. • Posi-shell applied to the slopes of Cell CC3 is holding out. We did notice some cracks and bold spots (Photo 4) 	
Drainage System <ul style="list-style-type: none"> • Terminal Basin <ul style="list-style-type: none"> – Some water from previous rainstorm was observed in the basin but not a significant volume (Photo 5) – the basin still contains a fair amount of sediment but we understand they are being hauled off (Photo 5) 	

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PAGE 2 OF 9



<ul style="list-style-type: none"> – The three skimmers were lowered – reddish water was observed seeping at the connection between the bottom and the side slabs (Photo 6) and through the weep holes (Photo 7). • Basin A <ul style="list-style-type: none"> – Basin is essentially clean except for a couple of truck load of sediments slated for removal – Concrete foundation blocks have been added to support the gas header providing gas to Flare 3 in addition to the pedestals made with V-notched pieces of HDPE pipe (Photo 8). • Basin B <ul style="list-style-type: none"> – Basin is clean with the exception of a small amount of accumulated sediment ready for removal • Basin D <ul style="list-style-type: none"> – Clean – The concrete spillway between the two parts of the basin is cracked and vegetation including a small bush is growing through the crack (Photo 9). – the earth is pulling away from the lip of the shotcrete at top of the slope of the spillway. Water could enter and damage the spillway (Photo 10) • Earthen basin on eastern end of Cell CC3 <ul style="list-style-type: none"> – the basin is cleaned and available for storage • Channel <ul style="list-style-type: none"> – sediments have accumulated in the channel immediately south of the spillway out of Basin D. – sediments have accumulated against the asphalt berms/check dams constructed in the channel (Photo 11) and vegetation is growing.
<p>Access Roads.</p> <ul style="list-style-type: none"> • Access road to administration pad • The slump (Photo 12) observed near the end of the road on the hill on south side of the road has not evolved since last visit. • Access road to Flare 3 was observed – no issues
<p>Closure Turf on slopes of CC3:</p> <ul style="list-style-type: none"> • it appears that large volume of sands are washed away in the steep slope areas and along drainage paths • Republic should check with Watershed Geosynthetics if there is cause for concern in terms of the UV protection of the geosynthetics
<p>Excavation for Cell 4 Phase 3</p> <ul style="list-style-type: none"> • Excavation was ongoing with scrapper and dozers - republic stopped work so we could inspect the work • no sign of potential geotechnical issues – the different geologic formations in the rea can be clearly seen • paleontologist was monitoring the earthwork
<p>Retaining wall on San Fernando Road:</p> <ul style="list-style-type: none"> • Soil has eroded away from the slope and partially filled the drainage swale; on top of the wall but soil has not accumulated against the fence. Therefore there is no concern at this time
<p>Landfill for geotechnical and hydrological issues</p> <ul style="list-style-type: none"> • no other geotechnical issues than that noted at access roads were observed during the visit
<p>2:00- 2:40 Close-out meeting with Republic Staff representative (Joshua Mills, Tuong-Phu Ngo, and others) to discuss findings of visit</p>

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PAGE 3 OF 9



FURTHER REVIEW NEEDED

- As noted in March, the vegetation should be removed from the crack in spillway at Basin D and the cracks grouted prior to the rainy season
- As noted in April, the gullies on the slopes of cell CC3 should be inspected to see if the gullies reached down to waste. If yes the gullies should be patched

COMMENTS

- It is assumed that the excavation for Phase 3 of Cell CC4 is monitored by an engineering geologist to identify potential technical issues
- It is our understanding that the water seeping into the terminal basin is due to problem with the pumping system (a relay) of the cut-off wall and is under repair

Signed:

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PAGE 4 OF 9



Photo 1: Petroleum product tank on city landfill bench – no drip pan under nozzle



Photo 2: Landfilling ion Celle CC4

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PAGE 5 OF 9



Photo 3: Alternative daily cover at Cell CC4



Photo 4: Bold spots on PosiShell on slope of Cell CC3

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PAGE 6 OF 9

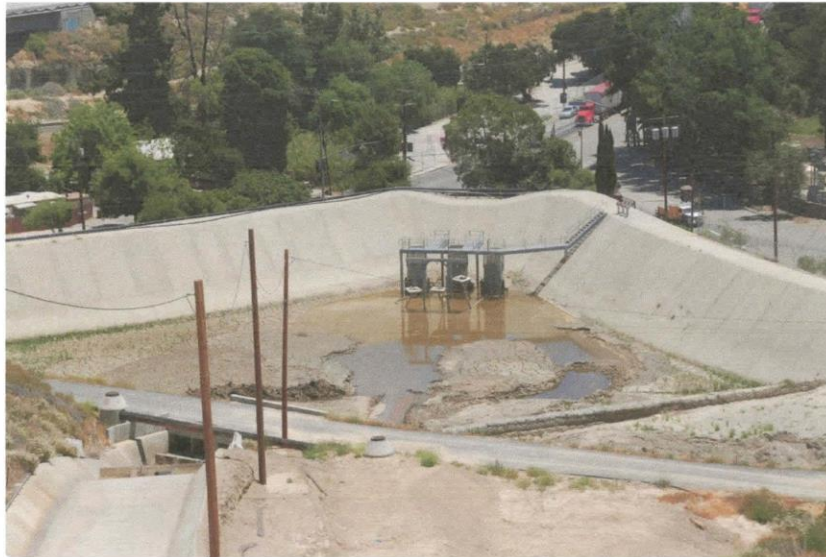


Photo 5: Sediments in Terminal Basin



Photo 6: Reddish water oozing at intersection of bottom slab and slope slabs at terminal Basin

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PAGE 7 OF 9



Photo 7: Reddish water oozing from weep hole in slope slabs at terminal Basin



Photo 8: Concrete support for gas header to Flare 3

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PAGE 8 OF 9



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



Photo 10: Separation between soil and spillway concrete at Basin D

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PAGE 9 OF 9



Photo 11: Slump near Administration Pad

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Appendix IV

Meeting Logs


**Sunshine Canyon Landfill
Meeting Log for April 2018 Site Monitoring**

April 24, 2018

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

Attendees:

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



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 we observed that the earth moving had started for the Cell CC-4 Part 3 buttress and asked if the biologist had verified that there were no nesting birds.
 - o Joshua Mills stated that an initial area was cleared by the biologist and that he was going to be onsite full time when they get into the vegetated and tree areas. A paleontologist is onsite full time during the grading operations. He stated that three million yards of soil will be moved for Cell CC-4 Part 3 and the buttress. They are planning on using 14 scrapers, excavating approximately 12,000 cubic yards per day.
- b. James Aidukas asked what the plan was on relocating the Flare 3 gas header now on the sidewall of Basin A.
 - o Joshua Mills stated that they are looking at two different realignment locations. A final decision will be made when the buttress grading nears completion.
- c. Tarik Hadj-Hamou stated that soil sloughing on embankment below the K-rails along the main access road near the terminal basin inlet is less of a risk now that the rainy season has past. He stated that Republic's geotechnical engineers should still provide their evaluation of the cause of sloughing.
 - o Joshua Mills had no comment.
- d. Tarik Hadj-Hamou stated that the sediment basin D high flow outlet drainage channel has cracks in the concrete, and that a tree is growing out of a crack. He suggested using a flexible grout to fill the cracks, as the existing hard grout is cracking.
 - o Joshua Mills acknowledged the statement.
- e. Tarik Hadj-Hamou stated that the closure turf has a lot of sand sloughing down the slope, and that perhaps Republic should call the manufacturer/installer to verify this does not affect the turf.
 - o Joshua Mills agreed, and stated that they were told that the sand is not for ballast, but for UV protection and without the sand, the expected life well exceeds the time it will be in place.

- f. James Aidukas stated that localized liquid odors were present on the east slope below Cell CC-3A.
 - o Joshua Mills stated that they will talk with SCS and investigate the odor source.
- g. Mike Harmon stated that there were 9 or 10 trucks queuing in the left turn lane at 9:10 AM.
 - o Joshua Mills acknowledged the statement.
- h. Mike Harmon asked if there were plans to repair the broken Posi-Shell.
 - o Joshua Mills stated that they are going to repair any areas that need repair with a shotcrete material.
- i. Mike Harmon stated that the Quarterly Vegetation Meeting will be scheduled for mid-May.
 - o Tuong-phu Ngo stated that that was perfect, and to coordinate with him.
- j. Mike Harmon stated that Public Works needs Attachment A of the SEM report.
 - o Joshua Mills stated that they will send it to them.
- k. James Aidukas stated that the monitors observed that final grading, staking, and planting activities were in progress in the City Deck B for sage mitigation area.
 - o Tuong-phu Ngo stated that they were starting planting soon and were using the same planting contractor.

The meeting was then adjourned.

**Sunshine Canyon Landfill
Meeting Log for May 2018 Site Monitoring**

May 10, 2018

Post-monitoring meeting with 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 he drove the Granada Hills area from 6:45 to 7:15 a.m. and that there were no landfill odors detected.
 - o Joshua Mills acknowledged the statement.
- b. James Aidukas stated that localized landfill gas odors were detected on the top deck of Cell CC-3A, coming from the area of Well 3014D on the CC-3B top deck.
 - o Tuong-phu Ngo stated that they will look into that well area.
- c. James Aidukas stated that the main haul road was a long non-paved road that looped around the eastern side of Cell CC-3A and that it was being watered, but large dust clouds occurred between watering. No road sealant was being used.
 - o Joshua Mills stated that he would talk with operations about increasing the frequency of applying water and also start using Landlock soil stabilizer.
- d. James Aidukas asked if the CC-4 Part 3 buttress was put on hold.
 - o Joshua Mills stated that they were grubbing and doing minor grading. The biologist found two areas with nesting birds and that any activities needed to stay 50' away from these areas. The birds should be gone sometime in June.
- e. James Aidukas stated that we observed that the gas-to-energy plant was not operating and asked what was happening.
 - o Joshua Mills stated that they were performing their yearly maintenance turn-around and will hopefully be back online by Thursday or Friday.
- f. James Aidukas stated that we observed that the main landfill gas recovery pipeline to Flare 3 was rerouted near the flare site, with concrete foundations installed to anchor the pipeline. He asked if this was going to be the new pipeline alignment.
 - o Joshua Mills stated that for now, this is the best alignment for the landfill gas mainline to Flare 3.

The meeting was then adjourned.

May 22, 2018

Post-monitoring meeting with 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 he drove the adjacent Granada Hills neighborhood from 6:30 to 7:15 a.m. and there were no landfill odors detected.
 - o Joshua Mills acknowledged the statement.
- b. James Aidukas stated that windblown litter was observed on San Fernando Road and a door was dumped on the eastern shoulder, across from the Jensen Filtration entrance. On Sierra Highway near the I-14 overpass, windblown litter was observed along with the dumping of debris and tires on the road's shoulders.
 - o Joshua Mills acknowledged the statement and stated that he would advise the clean-crew.
- c. James Aidukas asked if Republic has contacted the City about removing the abandoned mobile trailer near the landfill entrance.
 - o Joshua Mills stated that they have an open case number with the City for its removal.
- d. James Aidukas stated that strong localized gas odors were detected along the haul road on the eastside slope of Cell CC-3A.
 - o Joshua Mills stated that due to the recent gas gathering pipeline reconfiguring and construction work, there are some wells temporarily offline. Once the new 24-inch header pipeline is installed, the localized gas odors will be eliminated.
- e. Mike Lindsay stated that localized odors were detected on the Cell CC-3B top deck, near Well GW-2091.
 - o Tuong-phu Ngo stated that they would investigate the area for odors.
- f. James Aidukas stated that the eastside drainage channel downstream of Basin B had gravel and soil behind the humps in the channel that were installed to slow down runoff. This material should be removed before the fall rains.
 - o Tuong-phu Ngo acknowledged the statement.
- g. James Aidukas stated that we observed that maintenance was performed on the hillside retaining wall, south of the entrance. Loose rock and soil was removed from the slope and the rock and soil was removed from the top of the wall. However, soil remained in front of the wall and at the roadway curb that need to be removed, along with unplugging the wall drains before fall rains.
 - o Joshua Mills stated that they will look into removing the soil.

- h. James Aidukas asked if Republic has seen the data from the onsite seismograph.
 - o Joshua Mills stated that they are in contact with the company who provides the service of getting a readout from the equipment.
- i. James Aidukas stated that the alluvial water cut-off wall pumps were not working and alluvial water was seeping into the terminal basin. Republic's maintenance personnel were observed replacing the level control switch.
 - o Tuong-phu Ngo stated that a transducer failed, and that it was being replaced.
- j. James Aidukas asked what the status was of the gabion block drainage system in Cell CC-4 Part 1.
 - o Joshua Mills stated that they successfully drilled into one block, and it is possibly draining liquids.
- k. James Aidukas asked if Sukit obtained a permit for the temporary diesel fuel storage tank for the scraper fuel.
 - o Joshua Mills stated that their contractor obtained the necessary permits.

The meeting was then adjourned.


**Sunshine Canyon Landfill
Meeting Log for June 2018 Site Monitoring**

June 12, 2018

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

Attendees:

Tiffany Butler, LA City Planner
James Aidukas, UltraSystems
Tarik Hadj-Hamou, SLR
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 we monitored the Big Cone Fir mitigation trees and noticed that four trees had died. The contract maintenance crew stated that there were approximately 15 that died. They indicated that a lack of water was most likely the cause. He asked if these losses were being tallied by JMA.
 - o Joshua Mills acknowledged the statement. Tuong-phu Ngo stated that JMA is preparing the update to the mitigation tree report. He said he would look into the lack of water issue and the Big Cone Fir tree loss.
- b. James Aidukas stated that the mitigation oak trees on the northern ridge are doing very well.
 - o Joshua Mills acknowledged the statement.
- c. James Aidukas stated that City deck B looks ready for mitigation planting.
 - o Tuong-phu Ngo stated that they are purposely waiting for the fall to plant.
- d. James Aidukas stated that landfill gas odors were present on Cell CC-3A and Cell CC-3B top decks. Some of this localized odor could be from the drilling on the CC-3B deck.
 - o Joshua Mills stated that they are aware of the prior concerns, and are planning on added odor controls using the additional gas wells now being drilled.
- e. James Aidukas stated that roadway dust was observed along the main haul road above the Cell CC-3B top deck.
 - o Tuong-phu Ngo stated that approximately half of the dirt haul road was sealed with a polymer product. They plan on treating the rest of the haul road when product is obtained.
- f. James Aidukas stated that we observed new road base material was installed on the County main perimeter access road.
 - o Joshua Mills acknowledged the statement and stated that they were improving the road to control dust emissions.
- g. Tarik Hadj-Hamou stated that ponding water is present in the terminal basin.
 - o Tuong-phu Ngo stated that the cutoff wall pump has been under repair.

- h. Tarik Hadj-Hamou stated that sediment basin B needs to have trees removed from the concrete cracks to protect it from failing.
 - o Joshua Mills acknowledged the statement.
- i. James Aidukas stated that the sediment basin D drainage channel has sediment that needs to be removed.
 - o Tuong-phu Ngo stated that they will have it cleared out.
- j. James Aidukas stated that by raising Cell CC-4 Part 2 to the elevation of CC-4 Part 1, it could expose the adjacent neighborhood to a more direct line of odor source when Santa Ana winds occur.
 - o Joshua Mills stated that they will be placing trash lifts on the top deck of Cell CC-3B and at other locations on site to help control the odors during the Santa Ana season.
- k. Mike Lindsay stated that seagulls were landing on the working face, and that bird abatement was actively chasing them away.
 - o Joshua Mills acknowledged the statement.
- l. James Aidukas asked when the buttress construction will be complete.
 - o Joshua Mills stated that the buttress will be completed in early 2019, due to a late start.
- m. James Aidukas asked if the new fuel tank has secondary containment.
 - o Tuong-phu Ngo stated that the new fuel tank is double-walled.
- n. James Aidukas asked if the new fuel tank has a containment system underneath the fuel delivery gun nozzle.
 - o Tuong-phu Ngo stated that he thought it did.

The meeting was then adjourned.