

**Sunshine Canyon Landfill
Independent Monitor
Quarterly Site Monitoring Status Report
January 1, 2018 – March 31, 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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CERTIFICATION STATEMENT

May 25, 2018

The attached Quarterly Site Monitoring Status Report for the Sunshine Canyon Landfill dated May 25, 2018 is the First Quarterly Report for 2018, issued by UltraSystems. This report covers the monitoring period from January 1, 2018 through March 31, 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

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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-a through I-e
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 January 1, 2018 to March 31, 2018. It includes:

1. The City and County Mitigation Monitoring Summary spreadsheets for January 1, 2018 to March 31, 2018. These spreadsheets record the areas of monitoring completed and the status of being compliant during the First 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

Site Visits During the Quarter

Five site visits were performed by UltraSystems during the January through March 2018 quarter in order to observe operational site activities and determine compliant status with conditions and/or mitigation measures. They were performed on January 10, 2018; January 30, 2018; February 20, 2018; March 14, 2018; and March 29, 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 on-site to construct or maintain facilities and a summary of documents, reports and drawings that should be readily available onsite for monitoring reference.

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

Status Summary

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

Compliant

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

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

Non-Compliant

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

Further Review Needed

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

Q-B.2.c (City)

Ancillary Uses and Facilities. The subject property may only be used for the following uses and facilities. These ancillary uses and facilities described in the July 1997 Draft Subsequent EIR, pages 2-38 through 2-43, and may be located on the applicant's property generally in conformance with the diagram attached as Exhibit e-4, and during the life of the landfill, may be moved or relocated following commencement of 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 – During the first two months of the 1st Quarter, the buttress design plans and engineering documents to support Cell CC-4 Part 3 adjacent native slopes were under review by the County Department of Public Works Civil Engineering and Permitting sections. The buttress is outside of the prior-approved landfill footprint.

In March, the buttress design and engineering documents were approved by the County Department of Public Works. A biological survey for plants and animals has been performed. No plants or animals of special concern were found. Grading is estimated to start in mid-April pending weather conditions. A counting of oaks and Douglas fir trees, and a survey for nesting birds will be done before grubbing.

In early January, Cell CC-4 Part 1 was accepting waste, with three tippers operating. CC-4 Part 2 was not active. Deep erosion rills were observed on the west-facing slopes below the CC-4 Part 1 deck.

In late January, Cells CC-4 Part 1 and Part 2 were accepting waste. All areas with deep erosion rills where trash was previously exposed were repaired.

In mid-February, Cells CC-4 Part 1 and Part 2 were active and accepting waste. Slopes with erosion rills at the back of Cells CC-4 Parts 1 and 2 were sprayed with Posi-Shell to control erosion.

In mid-March, Cell CC-4 Part 1 was accepting waste; CC-4 Part 2 was not operating. Ponded water was observed in the CC-4 Part 2 lined channel. The water topped the lined channel on the northern and western sides. A pond of water was observed at the base of the west-facing stockpile soils slope in CC-3A.

In late March, Cells CC-4 Parts 1 and 2 were accepting waste.

Q-C.3.h (City)

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

Current Status/Comments – Throughout the 1st 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 mid-February, dust clouds were observed coming from the Old City North top deck, CC-3B top deck, and the County top deck. Landfill service roads were not watered or treated for dust control, and traffic would cause large dust clouds.

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 early January, the gas-to-energy plant was using 8862 SCFM of recovered landfill gas, 46% CH₄, 1.1% O₂, 56 ppm H₂S. Flare 1: 2448 SCFM; Flare 3: shut down; Flare 9: shut down; Flare 10: 3107 SCFM; Flare 11: 2708 SCFM. The total volume of landfill gas being recovered was 18,361 SCFM.

In late January, the gas-to-energy plant was using 7500 SCFM of recovered landfill gas, 47.0% CH₄, 1.1% O₂, 58 ppm H₂S. The facility was at partial production due to equipment maintenance. Flare 1: 2552 SCFM; Flare 3: 2500 SCFM; Flare 9: shut down; Flare 10: 3976 SCFM; Flare 11: 4468 SCFM. The total volume of landfill gas being recovered was 20,996 SCFM.

In mid-February, the gas-to-energy plant was using 9643 SCFM of recovered landfill gas, 45.0% CH₄, 1.6% O₂, 46 ppm H₂S. The facility was at 100% production. Flare 1: 2416 SCFM; Flare 3: 2010 SCFM; Flare 9: 3387 SCFM; Flare 10: shut down; Flare 11: 2860 SCFM. The total volume of landfill gas being recovered was 20,316 SCFM.

In mid-March, the gas-to-energy plant was using 9706 SCFM of recovered landfill gas, 43.0% CH₄, 1.2% O₂, 55 ppm H₂S. The facility was at 100% production. Flare 1: 2389 SCFM; Flare 3: estimated at 2500 SCFM, not monitored because the road was too wet; Flare 9: 3264 SCFM; Flare 10: shut down; Flare 11: 3287 SCFM. The total volume of landfill gas being recovered was 21,146 SCFM.

In late March, the gas-to-energy plant was using 9156 SCFM of recovered landfill gas, 46% CH₄, 1.4% O₂, 64 ppm H₂S. The facility was at 100% production. Flare 1: 2337 SCFM; Flare 3: 2500 (estimated because the road was still too wet); Flare 9: 3555 SCFM; Flare 10: shut down; Flare 11: 3536 SCFM. The total volume of landfill gas being recovered was 18,747.

During the 1st Quarter, the quantity of landfill gas being recovered has averaged 19,913 SCFM, with the gas-to-energy plant usage averaging 8,973 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 – Future out-of-approved landfill footprint grading is proposed for a Cell CC-4 Part 3 buttress. Grading plans have been submitted to the County Department of Public Works for approval. These plans were approved in March by DPW Civil Engineering and Permitting sections with grading scheduled to start in April 2018. The only 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 – During the 1st Quarter, alternatives to hydroseeding on some interim and inactive slopes for slope stability and dust control were being used. Posi-Shell has been applied to slope areas in Cell CC-3A and Cell CC-3B. The installation of Closure Turf has been done on the Cell CC-3A and Cell CC-3B south-facing slopes. These systems have been shown to control dust, erosion and surface emissions in the areas where they were used. Other areas were hydroseeded which included Cell CC-3B south facing slopes, Cell CC-3A top deck, and west and east-facing slopes, and the County bowl area slopes. The CC-3A area was being irrigated.

In mid-February, dust clouds were observed coming from the Old City North top deck, CC-3B top deck, and the County top deck. Landfill service roads were not watered or treated for dust control, and traffic would cause large dust clouds. The Old City South landfill had two HDPE downcomers on the Old City Landfill channel repaired and a new one installed. Dust clouds were observed coming from prior dozer worked areas.

M-4.1.1 (7) (City)

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

Current Status/Comments – The two old oil well steel casings in the area north of the office site are still covered with stockpiled soil. The lowering of the well casings and permanent abandonment should be done when the stockpiled soil is removed and the final grade elevation for future liner installation is reached. These wells will be uncovered during the development of Cell CC-4 Part 3.

The old abandoned oil well casing adjacent to the new secondary access road from the Flare 11 site should be reabandoned when the other two wells are reabandoned. No re-abandonment activity has occurred at this location. None of the wells were 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 PVC pipe survey markers have been removed in areas where Edison pole grading took place, as well as near the Flare 11 site pad grading. These boundary markers have not been replaced. All survey markers should be replaced once the Cell CC-4 Part 3 landslide buttress is constructed.

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

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

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

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

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

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

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

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

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

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

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

collection system shall be adjusted and improved based on quarterly monitoring data and annual stack testing results.

Odor/Landfill Gas - 7.06 (County)

If an odor problem should develop, appropriate control measures shall be implemented. These measures include the application of daily cover material or more frequent 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 early January, the monitor drove the Granada Hills neighborhood area from 6:30 to 7:30 a.m. and there were no landfill odors detected. There was a strong odor coming from the top deck of CC-3A. This could be coming from the soil amendment for the revegetation activity.

In late January, the monitor drove the Granada Hills neighborhood areas from 6:45 to 7:30 a.m. and there were no landfill odors detected.

In mid-February, the monitor drove the Granada Hills neighborhood area from 6:30 to 7:15 a.m. and there were no landfill odors detected. Areas of faint and random-frequency gas surface emissions were detected near the irrigation water tank on the top deck of CC-3A.

In mid-March, the monitor drove the Granada Hills neighborhood areas from 6:15 to 7:15 a.m. and there were no landfill odors detected. There were localized liquid odors around gas well 2133 and adjacent soil areas.

In late March, the monitor drove the Granada Hills neighborhood areas from 6:15 to 7:15 a.m. and there were no landfill odors detected. The monitor drove the Granada Hills school area again at 7:45 a.m. and no landfill odors were detected. The monitor also drove the Rancho Cascades neighborhood and no landfill odors were detected. The gas recovery system at the leachate tank farm was not recovering all the vapors. When tanks 1069 and 1081 were receiving liquid, there was a strong localized vapor odor near these tanks. Vapor recovery needs to be increased when filling tanks. Automation of increasing the vacuum during filling should be considered. Down-slope from well 2085 and the tote container, and north of GW-3009D, there was a strong odor that carried for approximately 75 feet. There possibly was a prior liquids spill. The soil surface was treated with a hard polymer-type coating and the odor was being controlled to within a localized area. Odor abatement by soil removal should be considered.

Throughout the 1st 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 1st 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 early January, the heavy rain events caused slope erosion and exposed trash on the CC-3A slope next to the western edge of the Closure Turf and on the western slopes of CC-4 Part 2. Slope erosion was observed in some other areas of CC-4 Parts 1 and 2, CC-3A, and CC-3B.

In late January, erosion rills where trash was exposed were repaired. The top deck erosion and drainage gullies of CC-3B were repaired. There were significant erosion rills on the eastern vegetated slopes of CC-3B and CC-3A, and the County top deck and bowl. The straw wattles were not buried when installed and water flowed under them, creating rills.

In mid-February, erosion rills were observed on the slopes above and into the CC-3B basin. There were no lined slope drainage downcomers in this area. Slopes with erosion rills at the back of Cells CC-4 Parts 1 and 2 were sprayed with Posi-Shell to control erosion. HDPE lined downcomer channels were installed on the CC-3A slopes in two areas. The CC-3A dirt slope where it meets the Closure Turf had deep erosion rills due to there being no lined downcomer channel.

In mid-March, there was a significant amount of slope erosion at the western and eastern edges of the Closure Turf and soil interface. The Closure Turf had no apparent impact. The sand on the Turf was washed away in some areas and observed in the terminal basin. The hydroseeded slopes above the Closure Turf had significant erosion rills. The Posi-Shell covered areas had erosion rills where uncontrolled slope drainage occurred.

In late March, the Closure Turf had no apparent problems from the rain events. Erosion that was observed on the western and eastern edges of soil slopes on the prior monitoring was repaired. The Posi-Shell covered areas that were impacted from erosion during prior rain events were being repaired. There were a minimal amount of areas not repaired.

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 early January, the terminal basin had one skimmer riser support break and cause an uncontrolled release of sediment during the January 9th rain event. The riser was being repaired and reinforced. Standing water was observed in the City north liquids handling facility berm area, Basins A and B, and terminal basins. Ponding of water was observed over the whole inactive site, and in the CC-4 Part 2 lined drainage berm area. This water was being pumped into trucks and hauled to the sewer connection.

In late January, Basin A had sediment and standing water, Basin B was dry and ready for the next rain event, and the terminal basin had the outlet riser repaired, sediment moved, and only minor areas of standing water.

In mid-February, Basin A had no standing water and sediment was spread for drying. Basin D was dry and had no sediment. Basin B was dry and cleared of sediment.

In mid-March, Basin A had standing water and sediment from the recent rain events; Basin D was dry and had no sediment; Basin B had ponding water and sediment; and the terminal basin had standing water and sediment.

In late March, Basin A had standing water and sediment from the recent rain event; Basin D was dry with no sediment; Basin B had some standing water and sediment; and the terminal basin was near maximum water-holding capacity and had significant sediment.

M-4.3.1(46) (City)

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

Surface Water 2.15 (County)

Surface Water Preventive Maintenance Program

A preventive maintenance program will be implemented by the permittee, including inspection of facility equipment, systems, and stormwater management devices to detect conditions that may cause breakdowns or failures resulting in discharge of materials into stormwater. This program applies to the onsite drainage ditches, rip-rap, berms and dikes, dust control, silt fences, diversion grading, and pavement surfaces. Each system and piece of equipment will be inspected monthly.

Procedures for inspection would vary based on the piece of equipment or system. However, the major elements of the inspection program will include checking for cracks or structural failures, inspecting parts or pieces of equipment nonfunctioning, checking for the degradation or deterioration of operating units, and investigating the need for cleaning or emptying units.

Current Status/Comments – A preventative maintenance program with inspection of facility equipment, systems, and 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 January, the eastside drainage channel had an area north of Basin B where the concrete channel wall was spalling. The channel had a significant amount of sediment behind the gabions. The westside concrete channel across the main access road from the CC-3B basin was spalling and lifting. The wall was also cracking as it goes under the roadway. The CC-3B basin had standing water. The low-flow drain was plugged. The terminal basin had one skimmer riser support break and cause an uncontrolled release of sediment during the previous day's rain event. The risers were being repaired and reinforced. The San Fernando Road retaining wall top drainage channel had standing water and significant soil slough down from the hillside. Maintenance should be scheduled for soil removal and unplugging the wall's channel drains.

In late January, the drainage channel along the paved access road to the Flare 9, 10, and 11 sites had the outlet plugged. Basin D outlet channel liner leading edge was lifting and had tumbleweed and sediment under the liner. The eastside drainage channel had significant sediment and litter behind the channel gabions. CC-3B basin's low flow drain was plugged.

In mid-February, the Basin D outlet concrete channel just out of the basin had an approximately six inches-thick layer of sediment for approximately 30 feet, with vegetation growing in it. The inlet to the Basin D lined channel had sediment and tumbleweed under the leading edge of the HDPE liner. The Basin D westside outlet high flow concrete spillway and sidewall were cracked and should be epoxy sealed.

In mid-March, the concrete walkway along the terminal basin's south top access had lifted approximately six inches, possibly due to soil expansion, and had pushed the concrete fence foundation out of the ground. The frontage retaining wall along San Fernando Road had some hillside soil sloughing with areas of the wall's top fence with soils and rock piled against it. Soils were also observed accumulating in front of the wall and along the curb. The V-ditch drains were plugged with soil. The main access road had areas of roadway settling and pavement cracking. The V-ditch concrete channel on the slope above the Flare 1 site was plugged with soil and blocked by vegetation. This channel was not functioning. Basin A had sediment and standing water. Minimal draining was occurring due to sediment blockage of the rock around the outlet risers. The outlet channel also had significant blockage of the drainage pipes under the temporary access road.

In late March, Basin B had standing water covering approximately 40% of the basin. There was no discharge of water due to sediment plugging the outlet riser. Basin A had a significant amount of sediment and standing water. The outlet risers were plugged with sediment and no water was flowing out.

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 web site and in the Annual Report.

Current Status/Comments – During the 1st Quarter, the Old City North top deck had a tank farm of 16 Alder storage tanks installed for processing recovered leachate, with a double-wall pipeline to the sewer connect at the entrance near San Fernando Road.

In late March, the gas recovery system at the leachate tank farm was not recovering all the gas vapors. When tanks 1069 and 1081 were receiving liquid, there was a strong localized vapor odor near these tanks. Vapor recovery needs to be increased when filling tanks. Automation of increasing the vacuum during filling should be considered.

M-4.4.1(60) (City)

Venturan Coastal Sage Scrub

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

Biota - 4.27 (County)

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

Current Status/Comments – In early January, the City deck C sage mitigation area was greening up due to the cooler weather and moisture. No maintenance work appeared to have been done. The PM-10 berm oak trees were doing well, greening up and growing. The Deck B sage mitigation area was graded and survey staked were placed. No planting activity had occurred.

In late January, the portion of the County sage mitigation area that had been covered with jute netting and hydroseed held up to the rains, with no erosion seen, and were greening up with vegetation.

In mid-February, no sage maintenance was done in the Deck C area. A new monitoring trailer was being installed on Deck C. No sage planting was done in Deck B. All preliminary grading had been done. The portion of the County sage area that had been covered with jute netting and hydroseeded were greening up with vegetation. This is approximately 25% of the sage area. The remaining area had deep erosion rills and sediment accumulated in the westside channel below the rills.

In mid-March, the County sage area that had been hydroseeded had germinated, and vegetation was growing. The jute netting performed well. The area not covered with jute netting had increased erosion and soil sloughing into the westside drainage channel.

In late March, the Deck C sage mitigation area was doing well. Non-native removal and cut-back of salt bush in some areas should be done soon. The City Deck B sage mitigation area was staked and ready for final contouring, seeding, and planting.

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 1st 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 service for areas within one mile of the project site. The phone number where this service will be requested will be provided in the quarterly newsletter and on the web site.

Current Status/Comments – In early January, the monitor drove San Fernando Road and Sierra Highway and did not observe any illegal dumping nor windblown litter. A packer truck on the main access road was blowing litter out of the top of the truck.

In mid-March, there was illegally dumped trash and a couch observed on Sierra Highway north of the I-14 overpass.

In late March, illegal dumping was observed on Sierra Highway near the I-14 overpass. A door and wood debris were seen on San Fernando Road, south of the Jensen Filtration Plant entrance.

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 1st 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 1st Quarter of 2018, a paleontologist was monitoring grading activities in and adjacent to Cell CC-4 Part 2 and Part 3 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 First 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
(01-01-2018 through 03-31-2018)**

Line #	Reference #	Mitigation #	City Mitigation Measures and Conditions Monitored by Discipline	Monitoring Frequency	Fourth Quarter 2017												First Quarter 2018																											
					10/26/2017	Status*	Further Review Needed/Comments**	Resolved*	11/7/2017	Status*	Further Review Needed/Comments**	Resolved*	11/21/2017	Status*	Further Review Needed/Comments**	Resolved*	12/12/2017	Status*	Further Review Needed/Comments**	Resolved*	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*				
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	
9	Q - B.2.c.		Ancillary Uses and Facilities	ongoing	✓	FRN	I-o	✓	FRN	I-p	✓	FRN	I-q	✓	FRN	I-r	✓	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	
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	
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	
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	
17	Q - C.3.h.		Surfacing of Access Roads	ongoing	✓	FRN	I-o	✓	FRN	I-p	✓	FRN	I-q	✓	FRN	I-r	✓	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	
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	
19	Q - C.10.c.		Evaluation of Beneficial Gas Usage	June yearly	✓	FRN	I-o	✓	FRN	I-p	✓	FRN	I-q	✓	FRN	I-r	✓	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	
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-o	✓	FRN	I-p	✓	FRN	I-q	✓	FRN	I-r	✓	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	
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	

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					10/26/2017	Status*	Further Review Needed/Comments**	Resolved*	11/7/2017	Status*	Further Review Needed/Comments**	Resolved*	11/21/2017	Status*	Further Review Needed/Comments**	Resolved*	12/7/2017	Status*	Further Review Needed/Comments**	Resolved*	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*	
28	T - 6		Satisfactory Street Lighting	status	/				/				/				/				/				/				/				/				/				
29																																									
30	M - 4.1.1	7	Reabandonment Procedures	status	✓	FRN	I-o		✓	FRN	I-p		✓	FRN	I-q		✓	FRN	I-r		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		
31	M - 4.1.4	11	Post-5.0 Earthquake Analysis	upon event	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		
32	M - 4.2.12	27	Heavy Equipment Operations	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		
33	M - 4.2.12		Heavy Equipment Operations	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		
34	M - 4.2.12	28	Site Erosion-Cover	ongoing	✓	C	I-o		✓	C	I-p		✓	C	I-q		✓	C	I-r		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		
35	M - 4.2.12		Site Erosion-Cell Height	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		
36	M - 4.2.12		Site Erosion-Sealant	ongoing	✓	FRN	I-o		✓	FRN	I-p		✓	FRN	I-q		✓	FRN	I-r		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		
37	M - 4.2.13	29	LFG Control Measures	ongoing	/		I-o		/		I-p		/		I-q		/		I-r		/		I-a		/		I-b		/		I-c		/		I-d		/		I-e		
38	M - 4.2.13	30	Operational Odor Control Techniques	ongoing	/		I-o		/		I-p		/		I-q		/		I-r		/		I-a		/		I-b		/		I-c		/		I-d		/		I-e		
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-o		/		I-p		/		I-q		/		I-r		/		I-a		/		I-b		/		I-c		/		I-d		/		I-e		
41	M - 4.2.13	33	Odor Control Measures	ongoing	✓	FRN	I-o		✓	FRN	I-p		✓	FRN	I-q		✓	FRN	I-r		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		
42	M - 4.2.13	34	Odor/LFG Monitoring	ongoing	/		I-o		/		I-p		/		I-q		/		I-r		/		I-a		/		I-b		/		I-c		/		I-d		/		I-e		
43			Periodic LFG Monitoring		/		I-o		/		I-p		/		I-q		/		I-r		/		I-a		/		I-b		/		I-c		/		I-d		/		I-e		
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-o		✓	FRN	I-p		✓	FRN	I-q		✓	FRN	I-r		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		
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-o		✓	FRN	I-p		✓	FRN	I-q		✓	FRN	I-r		✓	FRN	I-a								✓	FRN	I-d		✓	FRN	I-e		
56	M - 4.9.3	111	Radio Dispatch Litter Control	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE
57	M - 4.9.3	112	Litter Control	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE
58	M - 4.9.5	127	Address Concerns of Citizens' Advisory Committee	ongoing	/				/				/				/				/				/				/				/				/		
59	M - 4.9.6	128	Landfill Gas/Collection System-Unsafe Methane Levels Monitoring	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE
60	M - 4.9.6	129	Landfill Gas/Collection System-Detection/Training	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE
61	M - 4.9.6	130	Landfill Gas/Collection System-Risk Mitigation	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE
62	M - 4.16.4	176	Reclaimed Water	status	/				/				/				/				/				/				/				/				/		
63	M - 4.16.4	177	Water Conservation	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE
64																																							
82	Civil & Geotechnical Engineer																																						
83																																							
84																																							
85	M - 4.1.1	2	Grading Outside of Conceptual Grading Plan Area	ongoing	✓	FRN	I-o		✓	FRN	I-p		✓	FRN	I-q		✓	FRN	I-r		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e
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-o		✓	FRN	I-p		✓	FRN	I-q		✓	FRN	I-r		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e
88	M - 4.1.1	5	Grading Activity Compliance	ongoing	✓	FRN	I-o		✓	FRN	I-p		✓	FRN	I-q		✓	FRN	I-r		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e
89	M - 4.1.2	8	Landslide Guidelines	ongoing																																			
90	M - 4.1.2	9	Soil Stabilization	ongoing																																			
91	M - 4.1.4	10	Landfill Design	ongoing																																			
92	M - 4.1.4	11	Earthquake Operations Checklist	upon event	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE
93	M - 4.1.5	12	Geologic Hazards - Liquefaction	ongoing	✓	FRN	I-o		✓	FRN	I-p		✓	FRN	I-q		✓	FRN	I-r		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e
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-o		✓	FRN	I-p		✓	FRN	I-q		✓	FRN	I-r		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e	
100	M - 4.3.2	47	Landfill Liner	ongoing																																				
101	M - 4.3.2	48	Landfill Liner	ongoing																																				
102	M - 4.3.2	54	Preliminary Closure/Postclosure Plan	status																																				
103	M - 4.3.2	55	Landfill Design/Operation/Final Closure Monitoring	status																																				
104	M - 4.3.2	56	Cover Application	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
105	M - 4.14.1	155	Access Roadway Grade	ongoing	✓	C	I-o		✓	C	I-p		✓	C	I-q		✓	C	I-r		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
106	M - 4.18	178	Landfill Elevation Exceedance	ongoing	✓	FRN	I-o		✓	FRN	I-p		✓	FRN	I-q		✓	FRN	I-r		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e	
107																																								
108	Hydrologist																																							
109																																								
110																																								
111	M - 4.1.4	11	Earthquake Operations Checklist	upon event	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
112	M - 4.3.1	36	Surface Water Infiltration Minimization	ongoing																																				
113	M - 4.3.1	37	Surface Drainage Systems	ongoing	✓	C	I-o		✓	C	I-p		✓	C	I-q		✓	C	I-r		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e	
114	M - 4.3.1	38	Permanent/Temporary Ditches	ongoing	✓	C	I-o		✓	C	I-p		✓	C	I-q		✓	C	I-r		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e	
115	M - 4.3.1	39	Drainage Protection	ongoing	✓	C	I-o		✓	C	I-p		✓	C	I-q		✓	C	I-r		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e	
116	M - 4.3.1	40	SWRCB Permit Coverage	ongoing	✓	C	I-o		✓	C	I-p		✓	C	I-q		✓	C	I-r		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e	
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-o		✓	FRN	I-p		✓	FRN	I-q		✓	FRN	I-r		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e	
120	M - 4.3.1	44	Final Landfill Cover	ongoing																																				
121	M - 4.3.1	45	Erosion Control Plan	ongoing	✓	FRN	I-o		✓	FRN	I-p		✓	FRN	I-q		✓	FRN	I-r		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e	
122	M - 4.3.1	46	Preventive Maintenance Program	ongoing	✓	FRN	I-o		✓	FRN	I-p		✓	FRN	I-q		✓	FRN	I-r		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e	
123	M - 4.3.2	49	Interception of Groundwater Seepage	ongoing																																				
124	M - 4.3.2	50	LCRS/Leachate Monitoring	ongoing	✓	C	I-o		✓	C	I-p		✓	C	I-q		✓	C	I-r																					
125	M - 4.3.2	51	LCRS Monitoring	ongoing																																				
126																																								

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127	Biologist																																						
128																																							
129																																							
130	M - 4.1.1	6	Slope Erosion Control	ongoing	✓	C	I-o		✓	C	I-p		✓	C	I-q		✓	C	I-r		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e
131	M - 4.2.11	23	Revegetation/Excavation	ongoing	✓	C	I-o		✓	C	I-p		✓	C	I-q		✓	C	I-r		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e
132	M - 4.2.12		Temporary Vegetation Cover	ongoing	✓	C	I-o		✓	C	I-p		✓	C	I-q		✓	C	I-r		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e
133	M - 4.4.1	60	Coastal Sage Scrub Mitigation Plan	ongoing	✓	FRN	I-o		✓	FRN	I-p		✓	FRN	I-q	R	✓	FRN	I-r		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e
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		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE
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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(01-01-2018 through 03-31-2018)**

Line #	Reference #	Mitigation #	City Mitigation Measures and Conditions Monitored by Discipline	Monitoring Frequency	Fourth Quarter 2017																First Quarter 2018																			
					10/24/2017	Status*	Further Review Needed/Comments**	Resolved*	11/7/2017	Status*	Further Review Needed/Comments**	Resolved*	11/21/2017	Status*	Further Review Needed/Comments**	Resolved*	12/1/2017	Status*	Further Review Needed/Comments**	Resolved*	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*
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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Line #	Reference #	Mitigation #	City Mitigation Measures and Conditions Monitored by Discipline	Monitoring Frequency	Fourth Quarter 2017																First Quarter 2018																			
					10/26/2017	Status*	Further Review Needed/Comments**	Resolved*	11/7/2017	Status*	Further Review Needed/Comments**	Resolved*	11/21/2017	Status*	Further Review Needed/Comments**	Resolved*	12/12/2017	Status*	Further Review Needed/Comments**	Resolved*	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*
184	M - 4.5.2	83	Landfill Hours	info	/				/				/				/				/				/				/				/				/			
185	M - 4.5.2	84	Landfill Equipment-Noise Reduction	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
186																																								
187	Hydrology, Hazardous Waste / Risk of Upset																																							
188																																								
189																																								
190	M - 4.3.2	53	Groundwater Monitoring Wells	ongoing																																				
191	M - 4.3.2	58	Operation as Class III Landfill	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
192	M - 4.3.2	59	Underground Fuel Storage	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
193	M - 4.9.1	90	Refuse Inspection Program	ongoing																																				
194	M - 4.9.1	91	Hazardous Waste Load-Checking	status																																				
195	M - 4.9.1	93	Hazardous Waste Detection Training	status																																				
196	M - 4.9.1	94	Spill Response Program	status																																				
197	M - 4.9.4	115	Safety Inspections/Checklists	ongoing																																				
198	M - 4.9.4	118	Accident/Injury reports, Inspections	status																																				
199	M - 4.9.4	121	Fire Prevention Plan	ongoing	✓	FRN	I-o		✓	FRN	I-p		✓	FRN	I-q		✓	FRN	I-r		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e	
200	M - 4.9.4	123	Personal Protective Equipment	ongoing																																				
201	M - 4.9.4	125	Site Access/Fencing	ongoing	✓	FRN	I-o		✓	FRN	I-p		✓	FRN	I-q		✓	C	I-r		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
202	M - 4.14.1	147	Fire Response Capabilities	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
203	M - 4.14.1	148	Hydrant Installation	ongoing																																				
204																																								
205	Archaeologist																																							
206																																								
207																																								
208	M - 4.19.1	183	Archaeological Resurvey	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
209	M - 4.19.1	184	Onsite Archaeologist	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
210	M - 4.19.1	185	Archaeological Resources	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
211	M - 4.19.1	186	Archaeological Resources	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
212																																								

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					10/26/2017	Status*	Further Review Needed/Comments**	Resolved*	11/7/2017	Status*	Further Review Needed/Comments**	Resolved*	11/21/2017	Status*	Further Review Needed/Comments**	Resolved*	12/12/2017	Status*	Further Review Needed/Comments**	Resolved*	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*
213	Paleontologist																																							
214																																								
215																																								
216	M - 4.19.2	187	Paleontological Resources Resurvey	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
217	M - 4.19.2	188	Paleontological Resources Excavation	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
218	M - 4.19.2	189	Paleontological Resources Training	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
219	M - 4.19.2	190	Paleontological Resources Recovery	ongoing																																				
220	M - 4.19.2	191	Paleontological Resources Inspection	ongoing	✓	C	I-o		✓	C	I-p		✓	C	I-q		✓	C	I-r		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e	

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					10/6/2017	Status*	Further Review Needed/Comments**	Resolved*	11/7/2017	Status*	Further Review Needed/Comments**	Resolved*	11/21/2017	Status*	Further Review Needed/Comments**	Resolved*	12/12/2017	Status*	Further Review Needed/Comments**	Resolved*	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**
1	Project Manager																																						
2																																							
3																																							
4	Amendment 45.N - 1	45N	Daily Cover Materials	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE				
5	Amendment 45.N - 3	45N	Daily Cover Procedure	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE				
6	Amendment 45.N - 4.a	45N	Order for Abatement Status	ongoing	/		I-o		/		I-p		/		I-q		/		I-r		/		I-a		/		I-b		/		I-c		/		I-d		/		I-e
7	Amendment 45.N - 4.c	45N	Odor Patrol Program	ongoing	/		I-o		/		I-p		/		I-q		/		I-r		/		I-a		/		I-b		/		I-c		/		I-d		/		I-e
8	Amendment 45.N - 4.d	45N	Landfill Gas Mitigation Plan	ongoing	/		I-o		/		I-p		/		I-q		/		I-r		/		I-a		/		I-b		/		I-c		/		I-d		/		I-e
9	Amendment 45.N - 5	45N	Dust and Odor Reports	ongoing	/		I-o		/		I-p		/		I-q		/		I-r		/		I-a		/		I-b		/		I-c		/		I-d		/		I-e
10																																							
11	Combined Site & Bridge Area -20.A	20.A	Joint Powers Authority	info	/				/				/				/				/				/				/				/						
12	Combined Site & Bridge Area -20.F	20.F	Mitigation Reporting and Monitoring Program Amendment	status	/				/				/				/				/				/				/				/						
13	Landfill Capacity - 27	27	Tipping Fees for Partial Loads/Peak Hours	status																																			
14	Grading & Drainage-41.A -D	41A-D	Water Conservation	status	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE				
15	Revegetation - 44.F	44.F	Revegetation	status	✓	C	I-o		✓	C	I-p		✓	C	I-q		✓	C	I-r		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e
16	Fugitive Dust - 45.B	45.B	Working Face Areas	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE				
17	Fugitive Dust - 45.F	45.F	Inactive Areas Monitoring	ongoing	✓	C	I-o		✓	C	I-p		✓	C	I-q		✓	C	I-r		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e
18	Fugitive Dust - 45.I	45.I	Cleaning of Roads	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE				
19	Litter Control - 46.A - .D	46A-D	Litter Control Program	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE				
20	Gas - 52	52	Landfill Gas Collection System	ongoing	✓	FRN	I-o		✓	FRN	I-p		✓	FRN	I-q		✓	FRN	I-r		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e
21	Traffic - 57	57	Traffic Improvements	status	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE				
22	Traffic - 60	60	Street Light Installation	status	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE				
23	Traffic - 61	61	Traffic Minimization	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE				
24	Permittee Fees - 64 - 72	64-72	Permittee Fees	info	/				/				/				/				/				/				/				/						
25	Permittee Fees - 69	69	Permittee Fees-Contributions	info	/				/				/				/				/				/				/				/						
26	Permittee Fees - 70	70	Permittee Fees	info	/				/				/				/				/				/				/				/						
27	Permittee Fees - 72	72	Permittee Fees	info	/				/				/				/				/				/				/				/						
28	Alternative Fuel Vehicles - 77.A	77.A	Alternative Fuel Vehicles-Light Duty	status	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE				
29	Alternative Fuel Vehicles - 77.B	77.B	Alternative Fuel Vehicles-Refuse/Collection Trucks	status	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE				
30	Alternative Fuel Vehicles - 77.C	77.C	Alternative Fuel Vehicles-Report	status																																			
31	Alternative Fuel Vehicles - 77.D	77.D	Alternative Fuel Vehicles-heavy-duty, alternative fuel off-road equipment pilot program	status																																			
32	Alternative Fuel Vehicles - 77.E	77.E	Alternative Fuel Vehicles-Non-diesel Requirements	status																																			

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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-o		✓	FRN	I-p		✓	FRN	I-q		✓	FRN	I-r		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e	✓
47	Groundwater - 3.13		Groundwater-LFG Migration Mitigation	ongoing																																				
48	Groundwater - 3.14		Groundwater-Monitoring Wells	ongoing																																				
49	BIOTA – 4.05		Annual Fee Submission for SEA Studies	status	/				/				/				/				/				/				/				/				/			
50	BIOTA – 4.06		Buffer Zone Maintenance as Nature Preserve	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
51	BIOTA – 4.07		Buffer Zone Maintenance-Vegetation	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
52	BIOTA – 4.08		Ridgeline Maintenance-Remain Undisturbed	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
53	BIOTA – 4.47		Cleaning of Equipment	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
54	BIOTA – 4.48		Monitoring of Vector-Attracting Items	ongoing																																				
55	BIOTA – 4.49		Salvaged Material Storage-Vector Control	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
56	BIOTA – 4.50		Vector Activity Monitoring	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
57	Air Quality - 6.03		Dust Emission Minimization	ongoing	✓	C	I-o		✓	C	I-p		✓	C	I-q		✓	C	I-r		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e	
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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Sunshine Canyon Landfill County Mitigation Monitoring Summary
(01-01-2018 through 03-31-2018)

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65	Air Quality - 6.11		Alternative Fuel Refuse Collection/Transfer Trucks	status																																			
66	Air Quality - 6.11		Alternative Fuel Vehicle Report Submission	status																																			
67	Air Quality - 6.11		Heavy-duty, Alternative Fuel Off-Road Equipment Pilot Program	status																																			
68	Air Quality - 6.11		Non-Diesel, Alternative Fuel Vehicles-Transfer/Collection Trucks	status																																			
69	Air Quality - 6.11		Non-Diesel, Alternative Fuel Vehicles Truck Trips	status																																			
70	Air Quality - 6.11		Clean Fuel Demonstration Program	status																																			
71	Air Quality - 6.11		Compliance Evaluation	status																																			
72	Odor/Landfill Gas – 7.01		Landfill Gas Escape Prevention	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE
73	Odor/Landfill Gas – 7.02		Landfill Gas Collection System	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE
74	Odor/Landfill Gas – 7.04		Gas Collection/Flare System Risk Mitigation	ongoing																																			
75	Odor/Landfill Gas – 7.05		Wellhead Awareness	status	✓	FRN	I-o		✓	FRN	I-p		✓	FRN	I-q	R	✓	FRN	I-r		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE
76	Odor/Landfill Gas – 7.06		Odor Control Measures	ongoing	✓	FRN	I-o		✓	FRN	I-p		✓	FRN	I-q	R	✓	FRN	I-r		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e
77	Odor/Landfill Gas – 7.07		Gas Recovery and Sale	status	✓	FRN	I-o		✓	FRN	I-p		✓	FRN	I-q	R	✓	FRN	I-r		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e
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-o		✓	FRN	I-p		✓	FRN	I-q	R	✓	FRN	I-r		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e
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					
101	Admin Rpts/Pgms - 17.4		Operation Compliance	info	/				/				/				/				/				/				/							
102	Admin Rpts/Pgms -17.10		Fill Sequencing Plans	status																																
103	Admin Rpts/Pgms-17.15		Quarterly Newsletter	status																																
104	Landfill Operation - 18.7		Graffiti Removal/Deterrent Plan	ongoing	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE					
122																																				
123	Civil & Geotechnical Engineer																																			
124																																				
125																																				
126	Revegetation - 44.C	44.C	Cut Slope Requirements	ongoing	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE					
127																																				
128	Geology - 1.01		Survey Monument Locations	ongoing																																
129	Geology - 1.02		Seismic Design	ongoing																																
130	Geology - 1.03		Maximum Refuse Slope Gradients	ongoing																																
131	Geology - 1.04		Maximum Refuse Slope Gradients	ongoing																																
132	Geology - 1.05		Unsuitable Material Procedures	ongoing																																
133	Geology - 1.06		Grading Activities Procedures	ongoing																																
134	Geology - 1.07		Grading Activities Procedures	ongoing	✓	FRN	I-o	✓	FRN	I-p	✓	FRN	I-q	✓	FRN	I-r	✓	FRN	I-a	✓	FRN	I-b	✓	FRN	I-c	✓	FRN	I-d	✓	FRN	I-e					
135	Geology - 1.09		Outer Perimeter Ridgeline Requirements	info																																
136	Geology - 1.12		Soil Stabilization	ongoing	✓	FRN	I-o	✓	FRN	I-p	✓	FRN	I-q	✓	FRN	I-r	✓	FRN	I-a	✓	FRN	I-b	✓	FRN	I-c	✓	FRN	I-d	✓	FRN	I-e					
137	Geology - 1.16		Checklists/Surveys Following Earthquake	upon event	✓	NA	NONE	✓	NA	NONE	✓	NA	NONE	✓	NA	NONE	✓	NA	NONE	✓	NA	NONE	✓	NA	NONE	✓	NA	NONE	✓	NA	NONE					
138	Geology - 1.18		Alluvium-Removal/Replacement	ongoing																																
139	Geology - 1.19		Landfill Design/Construction	ongoing																																
140	Geology - 1.20		Landfill Design/Construction-Foundations	ongoing																																
141	Surface Water - 2.03		Surface Drainage Control Facilities	ongoing	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE					
142	Surface Water - 2.05		Underdrain Requirements	ongoing																																
143	Surface Water - 2.06		Final Cover for Surface Water Runoff Control	ongoing																																
144	Groundwater - 3.02		Liner System Requirements	ongoing																																
145	Groundwater - 3.04		Onsite Inspector for Liner Installation	ongoing																																
146	Groundwater - 3.09		Alluvium Removal	ongoing																																
147	Visual – 10.01		Landfill Elevations	ongoing	✓	FRN	I-o	✓	FRN	I-p	✓	FRN	I-q	✓	FRN	I-r	✓	FRN	I-a	✓	FRN	I-b	✓	FRN	I-c	✓	FRN	I-d	✓	FRN	I-e					

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

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Line #	Reference #	Mitigation #	County Mitigation Measures and Conditions Monitored by Discipline	Monitoring Frequency	Fourth Quarter 2017																First Quarter 2018																			
					10/26/2017	Status*	Further Review Needed/Comments**	Resolved*	11/7/2017	Status*	Further Review Needed/Comments**	Resolved*	11/21/2017	Status*	Further Review Needed/Comments**	Resolved*	12/12/2017	Status*	Further Review Needed/Comments**	Resolved*	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*
183	BIOTA – 4.10		Oak Tree Permit	ongoing	✓	C	I-o		✓	C	I-p		✓	C	I-q		✓	C	I-r		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
184	BIOTA – 4.11		Oak Tree Mitigation Plan	ongoing	✓	C	NONE		✓	C	NONE		✓	C	I-q		✓	C	NONE		✓	C	NONE		✓	C	I-c		✓	C	NONE		✓	C	NONE		✓	C	NONE	
185	BIOTA – 4.13		Oak Tree Mitigation Counting	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
186	BIOTA – 4.20		Poultry Wire Screen	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
187	BIOTA – 4.24		Drip Irrigation	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
188	BIOTA – 4.27		Coastal Sage Scrub Mitigation Plan	ongoing	✓	FRN	I-o		✓	FRN	I-p		✓	FRN	I-q		✓	FRN	I-r		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e	
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-o		✓	FRN	I-p		✓	FRN	I-q		✓	FRN	I-r		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e	
202	BIOTA – 4.43		Replacement Riparian Habitat	status	✓	FRN	I-o		✓	FRN	I-p		✓	FRN	I-q		✓	FRN	I-r		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e	
203	Air Quality - 6.02		Dust Control	ongoing	✓	FRN	I-o		✓	FRN	I-p		✓	FRN	I-q		✓	FRN	I-r		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e	
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-o		✓	C	I-p		✓	C	I-q		✓	C	I-r		✓	C	I-a		✓	C	I-b		✓	C	I-c		✓	C	I-d		✓	C	I-e	
207	Visual – 10.08		Solid Waste Disposal Procedures	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
208	Visual – 10.08		Final Cut Slope Steepness	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
209	Visual – 10.08		Final Fill Slopes-Reclamation/Revegetation	status																																				
210	Visual – 10.08		Revegetation Requirements	status	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e	
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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					10/6/2017	Status*	Further Review Needed/Comments**	Resolved*	11/7/2017	Status*	Further Review Needed/Comments**	Resolved*	11/21/2017	Status*	Further Review Needed/Comments**	Resolved*	12/12/2017	Status*	Further Review Needed/Comments**	Resolved*	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*
216	Air Quality & Noise Specialist																																							
217																																								
218																																								
219	Fugitive Dust - 45.F	45.F	Fugitive Dust Monitoring	ongoing	✓	C	I-o	✓	C	I-p	✓	C	I-q	✓	C	I-r	✓	FRN	I-a	✓	FRN	I-b	✓	FRN	I-c	✓	FRN	I-d	✓	FRN	I-e									
220	Fugitive Dust - 45.I	45.I	Paved Roads-Cleaning	ongoing	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE									
221	Fugitive Dust - 45.N	45.N	Report Submission-Dust/Odor	every quarter																																				
222	Air Quality Monitoring - 81	81	Air Quality Monitoring-Tests	ongoing																																				
223																																								
224																																								
225	Air Quality - 6.01		Fugitive Dust Aversion	ongoing	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	FRN	I-a	✓	FRN	I-b	✓	FRN	I-c	✓	FRN	I-d	✓	FRN	I-e									
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	✓	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	✓	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	✓	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	✓	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	✓	C	NONE
232	Air Quality - 6.01		Access Roads-Paving	ongoing	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE
233	Air Quality - 6.01		Dust Generation-Dumping	ongoing	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	C	NONE	✓	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	✓	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	✓	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	✓	C	NONE
244	Admin Rpts/ Pgms-17.16		Air Quality Monitoring-Corrective Action Plan	ongoing	/			/			/			/			/			/			/			/			/					/				/		
246																																								

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					10/6/2017	Status*	Further Review Needed/Comments**	Resolved*	11/7/2017	Status*	Further Review Needed/Comments**	Resolved*	11/21/2017	Status*	Further Review Needed/Comments**	Resolved*	12/12/2017	Status*	Further Review Needed/Comments**	Resolved*	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*				
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	✓	FRN	I-o		✓	FRN	I-p		✓	FRN	I-q		✓	FRN	I-r		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
256	Fire Service - 12.04		On-site Fuel Storage Tanks-Permit Issuance	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	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-o		✓	C	I-p		✓	C	I-q		✓	C	I-r		✓	C	I-a		✓	C	I-b		✓	C	I-c		✓	C	I-d		✓	C	I-e		
276	IMP - Part VII.B	IMP7	Archaeological/Paleontological Report Submission	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		
277	Archaeological – 5.01		Archaeological Resurvey	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		
278	Archaeological – 5.02		Onsite Archaeologist	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		
279	Archaeological – 5.03		Onsite Paleontologist	ongoing	✓	C	I-o		✓	C	I-p		✓	C	I-q		✓	C	I-r		✓	C	I-a		✓	C	I-b		✓	C	I-c		✓	C	I-d		✓	C	I-e		
280	Archaeological – 5.04		Archaeological/Paleontological Identification Instruction	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		
281	Archaeological – 5.05		Archaeological Resource Curation	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		
282																																									
283	Paleontologist																																								
284																																									
285																																									
286	Ecological Significance - 62	62	Archaeological/Paleontological -Material Identification/Conservation	ongoing	✓	FRN	I-o		✓	FRN	I-p		✓	FRN	I-q		✓	FRN	I-r		✓	FRN	I-a		✓	FRN	I-b		✓	FRN	I-c		✓	FRN	I-d		✓	FRN	I-e		
287	IMP - Part VII.B	IMP7	Archaeological/Paleontological-Report Submission	ongoing																																					
	Potential Tasks																																								
	Landfill Capacity - 24	24																																							
	Air Quality - 51	51																																							

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Further Review Needed Comments: Reference I-a through I-e First 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-a through I-c: The buttress design plans and engineering documents to support Cell CC-4 Part 3 adjacent native slopes were under review 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-d through I-e: The buttress design and engineering documents were approved by the County Department of Public Works. A biological survey for plants and animals has been performed. No plants or animals of special concern were found. Grading is estimated to start in mid-April pending weather conditions. A counting of oaks and Douglas fir trees and a survey for nesting birds will be done before grubbing.</p> <p>I-a: Cell CC-4 Part 1 was accepting waste, with three tippers operating. CC-4 Part 2 was not active. Deep erosion rills were observed on the west-facing slopes below the CC-4 Part 1 deck.</p> <p>I-b: Cells CC-4 Part 1 and Part 2 were accepting waste. All areas with deep erosion rills where trash was previously exposed were repaired.</p> <p>I-c: Cells CC-4 Part 1 and Part 2 were active and accepting waste. Slopes with erosion rills at the back of Cells CC-4 Parts 1 and 2 were sprayed with Posi-Shell to control erosion.</p> <p>I-d: Cell CC-4 Part 1 was accepting waste; CC-4 Part 2 was not operating. Ponded water was observed in the CC-4 Part 2 lined channel. The water topped the lined channel on the northern and western sides. A pond of water was observed at the base of the west-facing stockpile soils slope in CC-3A.</p> <p>I-e: Cells CC-4 Parts 1 and 2 were accepting waste.</p>
		Geology - 1.07	County DPW EPD/SCL-LEA	I-a through I-e: See Q – B.2.c above.
		Geology - 1.12	County DPW EPD/SCL-LEA	I-a through I-e: See Q – B.2.c above.
	Q - C.3.h		City Planning	<p>I-a through I-e: 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-c: Dust clouds were observed coming from the Old City North top deck, CC-3B top deck, and the County top deck. Landfill service roads were not watered or treated for dust control and traffic would cause large dust clouds.</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-a: The gas-to-energy plant was using 8862 SCFM of recovered landfill gas, 46% CH₄, 1.1% O₂, 56 ppm H₂S. Flare 1: 2448 SCFM; Flare 3: shut down; Flare 9: shut down; Flare 10: 3107 SCFM; Flare 11: 2708 SCFM. The total volume of landfill gas being recovered was 18,361 SCFM.</p> <p>I-b: The gas-to-energy plant was using 7500 SCFM of recovered landfill gas, 47.0% CH₄, 1.1% O₂, 58 ppm H₂S. The facility was at partial production due to equipment maintenance. Flare 1: 2552 SCFM; Flare 3: 2500 SCFM; Flare 9: shut down; Flare 10: 3976 SCFM; Flare 11: 4468 SCFM. The total volume of landfill gas being recovered was 20,996 SCFM.</p> <p>I-c: The gas-to-energy plant was using 9643 SCFM of recovered landfill gas, 45.0% CH₄, 1.6% O₂, 46 ppm H₂S. The facility was at 100% production. Flare 1: 2416 SCFM; Flare 3: 2010 SCFM; Flare 9: 3387 SCFM; Flare 10: shut down; Flare 11: 2860 SCFM. The total volume of landfill gas being recovered was 20,316 SCFM.</p> <p>I-d: The gas-to-energy plant was using 9706 SCFM of recovered landfill gas, 43.0% CH₄, 1.2% O₂, 55 ppm H₂S. The facility was at 100% production. Flare 1: 2389 SCFM; Flare 3: estimated at 2500 SCFM, not monitored because the road was too wet; Flare 9: 3264 SCFM; Flare 10: shut down; Flare 11: 3287 SCFM. The total volume of landfill gas being recovered was 21,146 SCFM.</p> <p>I-e: The gas-to-energy plant was using 9156 SCFM of recovered landfill gas, 46% CH₄, 1.4% O₂, 64 ppm H₂S. The facility was at 100% production. Flare 1: 2337 SCFM; Flare 3: 2500 (estimated because the road was still too wet); Flare 9: 3555 SCFM; Flare 10: shut down; Flare 11: 3536 SCFM. The total volume of landfill gas being recovered was 18,747.</p> <p>I-a through I-e: The quantity of landfill gas being recovered during the 1st Quarter has averaged 19,913 SCFM, with the gas-to-energy plant usage averaging 8973 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-a through I-e: See Q - C.10.c above.
		Gas - 52	County DPW EPD/SCL-LEA County Forester Fire Warden	I-a through I-e: See Q - C.10.c above.
	T-4		City Planning, City Fire Department	I-a through I-e: 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-a through I-e: See T-4 above.

Discipline	City Condition Reference # / Mitigation #	County Condition Reference # / Mitigation #	Responsible Agency	Further Review Needed – Comments
Project Manager	M - 4.1.1 / 7		City Planning, DOGGR	I-a through I-e: The two old oil well steel casings in the area north of the office site are still covered with stockpiled soil. The lowering of the well casings and permanent abandonment should be done when the stockpiled soil is removed and the final grade elevation for future liner installation is reached. These wells will be uncovered during the development of Cell CC-4 Part 3. The old abandoned oil well casing adjacent to the new secondary access road from the Flare 11 site should be reabandoned when the other two wells are reabandoned. No re-abandonment activity has occurred at this location. None of the wells were leaking oils or gas, nor pose a current hazard.
		Re-abandonment Procedures	County Planning, County DPW EPD/SCL-LEA, DOGGR	I-a through I-e: See M - 4.1.1 / 7 above.
	M - 4.2.12 / 28		City Planning/SCAQMD	I-a through I-e: Alternatives to hydroseeding on some interim and inactive slopes for slope stability and dust control were being used. Posi-Shell has been applied to slope areas in Cell CC-3A and Cell CC-3B. The installation of Closure Turf has been done on the Cell CC-3A and Cell CC-3B south-facing slopes. These systems have been shown to control dust, erosion and surface emissions in the areas where they were used. Other areas were hydroseeded which included Cell CC-3B south facing slopes, Cell CC-3A top deck and west and east-facing slopes, and the County bowl area slopes. The CC-3A area was being irrigated. I-c: Dust clouds were observed coming from the Old City North top deck, CC-3B top deck, and the County top deck. Landfill service roads were not watered or treated for dust control and traffic would cause large dust clouds. The Old City South landfill had two HDPE down comers on the Old City Landfill channel repaired and a new one installed. Dust clouds were observed coming from prior dozer worked areas.
		Fugitive Dust - 45.F	County DPH/County LEA County DPW-EPD County Biologist	I-a through I-e: 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-a through I-e: See M -4.2.13/ 29, 30, 32, 34 above.
		Amendment 45.N-5	County DPW-EPD	I-a through I-e: 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-a: The monitor drove the Granada Hills neighborhood area from 6:30 to 7:30 a.m. and there were no landfill odors detected. There was a strong odor coming from the top deck of CC-3A. This could be coming from the soil amendment for the revegetation activity.</p> <p>I-b: The monitor drove the Granada Hills neighborhood areas from 6:45 to 7:30 a.m. and there were no landfill odors detected.</p> <p>I-c: The monitor drove the Granada Hills neighborhood area from 6:30 to 7:15 a.m. and there were no landfill odors detected. Areas of faint and random frequency gas surface emission were detected near the irrigation water tank on the top deck of CC-3A.</p> <p>I-d: The monitor drove the Granada Hills neighborhood areas from 6:15 to 7:15 a.m. and there were no landfill odors detected. There were localized liquid odors around the gas well 2133 and adjacent soil areas.</p> <p>I-e: The monitor drove the Granada Hills neighborhood areas from 6:15 to 7:15 a.m. and there were no landfill odors detected. The monitor drove the Granada Hills school area again at 7:45 a.m. and no landfill odors were detected. The monitor also drove the Rancho Cascades neighborhood and no landfill odors were detected. The gas recovery system at the leachate tank farm was not recovering all the vapors. When tanks 1069 and 1081 were receiving liquid, there was a strong localized vapor odor near these tanks. The vapor recovery needs to be increased when filling tanks. Automation of increasing the vacuum during filling should be considered. Down-slope from well 2085 and the tote container and north of GW-3009D, there was a strong odor that carried for approximately 75 feet. There possibly was a prior liquids spill. The soil surface was treated with a hard polymer-type coating and the odor was being controlled to a localized area. Odor abatement by soil removal should be considered.</p> <p>I-a through I-e: 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-a through I-e: See M-4.2.13/33 above.
		Amendment 45.N - 4.a, 4.c, 4.d	County DPW-EPD	I-a through I-e: See M-4.2.13/29, 30, 32, 33, and 34 above.
		Amendment 45.N - 5	County DPW-EPD	I-a through I-e: 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-a through I-e: 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-a: The eastside drainage channel had an area north of Basin B where the concrete channel wall was spalling. The channel had a significant amount of sediment behind the gabions. The westside concrete channel across the main access road from the CC-3B basin was spalling and lifting. The wall was also cracking as it goes under the roadway. The CC-3B basin had standing water. The low-flow drain was plugged. The terminal basin had one skimmer riser support break and cause an uncontrolled release of sediment during the previous day's rain event. The risers were being repaired and reinforced. The San Fernando Road retaining wall top drainage channel had standing water and significant soil slough down from the hillside. Maintenance should be scheduled for soil removal and unplugging the wall's channel drains.</p> <p>I-b: The drainage channel along the paved access road to the Flare 9, 10, and 11 site had the outlet plugged. Basin D outlet channel liner leading edge was lifting and had tumbleweed and sediment under the liner. The eastside drainage channel had significant sediment and litter behind channel gabions. CC-3B basin's low flow drain was plugged.</p> <p>I-c: The Basin D outlet concrete channel just out of the basin had approximately six inches thick layer of sediment for approximately 30 feet, with vegetation growing in it. The inlet to the Basin D lined channel had sediment and tumbleweed under the leading edge of the HDPE liner. The Basin D westside outlet high flow concrete spillway and sidewall was cracked and should be epoxy sealed.</p> <p>I-d: The concrete walkway along the terminal basin's south top access had lifted approximately six inches, possibly due to soil expansion, and had pushed the concrete fence foundation out of the ground. The frontage retaining wall along San Fernando Road had some hillside soil sloughing with areas of the wall's top fence with soils and rock piled against it. Soils were also observed accumulating in front of the wall and along the curb. The v-ditch drains were plugged with soil. The main access road had areas of roadway settling and pavement cracking. The v-ditch concrete channel on the slope above the Flare 1 site was plugged with soil and blocked by vegetation. This channel was not functioning. Basin A had sediment and standing water. Minimal draining was occurring due to sediment blockage of the rock around the outlet risers. The outlet channel also had significant blockage of the drainage pipes under the temporary access road.</p> <p>I-e: Basin B had standing water covering approximately 40% of the basin. There was no discharge of water due to sediment plugging the outlet riser. Basin A had a significant amount of sediment and standing water. The outlet risers were plugged with sediment and no water was flowing out.</p>
	M - 4.4.2/ 69		City Planning	I-a through I-e: 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-a through I-e: See M - 4.4.2 / 69 above.

Discipline	City Condition Reference # / Mitigation #	County Condition Reference # / Mitigation #	Responsible Agency	Further Review Needed – Comments
Project Manager	M - 4.9.3 / 110		City Planning/City LEA	<p>I-a: The monitor drove San Fernando Road and Sierra Highway and did not observe any illegal dumping nor windblown litter. A packer truck on the main access road was blowing litter out of the top of the truck.</p> <p>I-d: There was illegally dumped trash and a couch observed on Sierra Highway north of the I-14 overpass.</p> <p>I-e: Illegal dumping was observed on Sierra Highway near the I-14 overpass. A door and wood debris was seen on San Fernando Road, south of the Jenson Filtration Plant entrance.</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-a through I-e: See M - 4.1.1 / 5 below.
	M - 4.1.1 / 4		City Planning/LARWQCB Cal Recycle	I-a through I-e: See M - 4.1.1 / 5 below.
	M - 4.1.1 / 5		City Planning/ LARWQCB Cal Recycle	I-a through I-e: Future out-of-approved landfill footprint grading is proposed for a Cell CC-4 Part 3 buttress. Grading plans have been submitted to the County Department of Public Works for approval. These plans are under review by DPW Civil Engineering and Permitting sections. The only 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-a through I-e: See M - 4.1.1 / 5 above.
	M - 4.1.5 / 12		City Planning/LARWQCB Cal Recycle	I-a through I-e: See M - 4.1.1 / 5 above.
	M - 4.1.6 / 18			I-a through I-e: The landfill perimeter boundary survey PVC marker pipes have been removed in areas where Edison pole grading took place, as well as near the Flare 11 site pad grading. These boundary markers have not been replaced. All markers should be replaced once the Cell CC-4 Part 3 landslide buttress is installed.
	M - 4.14.1 / 155		City Planning/Cal Recycle PW-BOE LADBS City LEA	I-a through I-e: Access roads were being maintained around the working area for emergency access.
	M - 4.18 / 178		City Planning/City LEA	I-a through I-e: 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-a through I-e: See M - 4.18 / 178 above.

Discipline	City Condition Reference # / Mitigation #	County Condition Reference # / Mitigation #	Responsible Agency	Further Review Needed – Comments
Hydrologist	M - 4.3.1/ 37, 38		City Planning/ LARWQCB CalRecycle SCL-LEA PW-BOE	<p>I-a through I-e: 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.</p> <p>I-a: The heavy rain events cause slope erosion and exposed trash on the CC-3A slope next to the western edge of the Closure Turf and on the western slopes of CC-4 Part 2. Slope erosion was observed in some other areas of CC-4 Parts 1 and 2, CC-3A, and CC-3B.</p> <p>I-b: Erosion rills where trash was exposed were repaired. The top deck erosion and drainage gullies of CC-3B were repaired. There were significant erosion rills on the eastern vegetated slopes of CC-3B and CC-3A and the County top deck and bowl. The straw wattles were not buried when installed and water flowed under them, creating rills.</p> <p>I-c: Erosion rills were observed on the slopes above and into the CC-3B basin. There were no lined slope drainage downcomers in this area. Slopes with erosion rills at the back of Cells CC-4 Parts 1 and 2 were sprayed with Posi-Shell to control erosion. HDPE lined downcomer channels were installed on the CC-3A slopes in two areas. The CC-3A dirt slope where it meets the Closure Turf had deep erosion rills due to there being no lined downcomer channel.</p>
				<p>I-d: There was a significant amount of slope erosion at the western and eastern edges of the Closure Turf and soil interface. The Closure Turf had no apparent impact. The sand on the Turf was washed away in some areas and observed in the terminal basin. The hydroseeded slopes above the Closure Turf had significant erosions rills. The Posi-Shell covered areas had erosion rills where uncontrolled slope drainage occurred.</p> <p>I-e: The Closure Turf had no apparent problems from the rain events. Erosion that was observed on the western and eastern edges of soil slopes on the prior monitoring was repaired. The Posi-Shell covered areas that were impacted from erosion during prior rain events were being repaired. There were a minimal amount of areas not repaired.</p>
		Surface Water - 2.03 Surface Water - 2.12	County DPW EPD/ LARWQCB SCL-LEA	I-a through I-e: See M - 4.3.1/ 37, 38 above.
	M - 4.3.1 / 39		City Planning/LARWQCB Cal Recycle	I-a through I-e: See M - 4.3.1/ 37, 38 above.
	M - 4.3.1 / 40		City Planning/ LARWQCB CalRecycle SCL-LEA PW-BOE LADBS	I-a through I-e: See M - 4.3.1/ 37, 38 above.

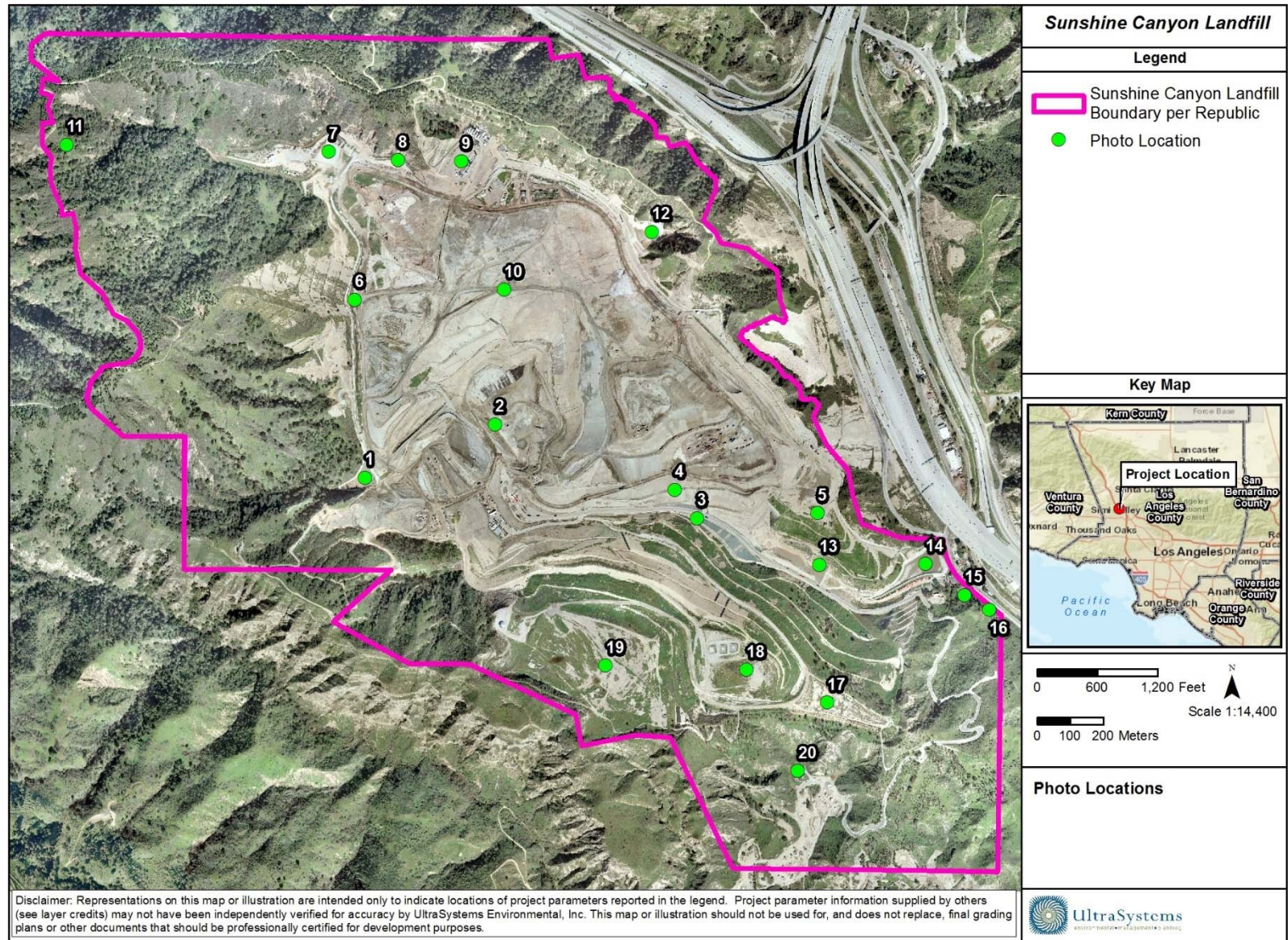
Discipline	City Condition Reference # / Mitigation #	County Condition Reference # / Mitigation #	Responsible Agency	Further Review Needed – Comments
Hydrologist	M - 4.3.1 / 43		City Planning/ LARWQCB CalRecycle SCL-LEA PW-BOE LADBS	<p>I-a: The terminal basin had one skimmer riser support break and cause an uncontrolled release of sediment during the January 9th rain event. The riser were being repaired and reinforced. Standing water was observed in the City north liquids handling facility berm area, Basins A and B, and terminal basins. Ponding of water was observed over the whole inactive site, and in the CC-4 Part 2 lined drainage berm area. This water was being pumped into trucks and hauled to the sewer connection.</p> <p>I-b: Basin A had sediment standing water, Basin B was dry and ready for the next rain event, and the terminal basin had the outlet riser repaired, sediment moved, and only minor areas of standing water.</p> <p>I-c: Basin A had no standing water and sediment was spread for drying. Basin D was dry and had no sediment. Basin B was dry and cleared of sediment.</p> <p>I-d: From the recent rain events, Basin A had standing water and sediment; Basin D was dry and had no sediment; Basin CC-3B had ponding water and sediment; the terminal basin had standing water and sediment.</p> <p>I-e: From the recent rain event, Basin A had standing water and sediment; Basin D was dry with no sediment; Basin B had some standing water and sediment; and the terminal basin was near maximum water holding capacity and had significant sediment.</p>
		Surface Water - 2.10	LARWQCB / County DPW EPD	I-a through I-e: See M - 4.3.1 / 37, 38 and 43 above.
		Surface Water - 2.14	LARWQCB / County DPW EPD	I-a through I-e: 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-a through I-e: Surface Water - 2.14 above.
	M - 4.3.1 / 46		City Planning/ LARWQCB CalRecycle PW-BOE	I-a through I-e: See 2.15 above.
	M - 4.3.2 / 50		City Planning/ LARWQCB CalRecycle SCL-LEA	<p>I-a through I-e: 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</p> <p>I-e: The gas recovery system at the leachate tank farm was not recovering all the gas vapors. When tanks 1069 and 1081 were receiving liquid, there was a strong localized vapor odor near these tanks. The vapor recovery needs to be increased when filling tanks. Automation of increasing the vacuum during filling should be considered.</p>
Biologist	M - 4.1.1 / 6		City Planning/ LARWQCB CalRecycle SCL-LEA LADBS	I-a through I-e: See M - 4.2.12 / 28 above.

Discipline	City Condition Reference # / Mitigation #	County Condition Reference # / Mitigation #	Responsible Agency	Further Review Needed – Comments
Biologist		Geology - 1.14	LARWQCB/ County Forester	I-a through I-e: See M - 4.2.12 / 28 above.
	M - 4.2.11 / 23		City Planning	I-a through I-e: See M - 4.2.12 / 28 above.
		Geology - 1.13	County DPW EPD/ County Forester LARWQCB	I-a through I-e: See M - 4.2.12 / 28 above.
	M - 4.2.12		SCL-LEA/ City Planning	I-a through I-e: See M - 4.2.12 / 28 above.
		Revegetation - 44.A	SCL-LEA/ County DPW EPD Regional Planning County Biologist	I-a through I-e: See M - 4.2.12 / 28 above.
		Revegetation - 44.F	SCL-LEA/ County DPW EPD Regional Planning County Biologist	I-a through I-e: See M - 4.2.12 / 28 above.
		Biota - 4.42	SCL-LEA	I-a through I-e: See M - 4.2.12 / 28 above.
		Air Quality - 6.02	SCAQMD/ SCL-LEA	I-a through I-e: See M - 4.2.12 / 28 above.
		Visual - 10.08	County Forester	I-a through I-e: See M - 4.2.12 / 28 above.
	M - 4.4.1 / 60		City Planning	<p>I-a: City deck C sage mitigation area was greening up due to the cooler weather and moisture. No maintenance work appeared to have been done. The PM-10 berm Oak trees were doing well, greening up and growing. The Deck B sage mitigation was graded and survey stakes were placed. No planting activity had occurred.</p> <p>I-b: The portion of the County sage area that had been covered with jute netting and hydroseed held up to the rains, with no erosion seen and were greening up with vegetation.</p> <p>I-c: No sage maintenance was done in the Deck C area. A new monitoring trailer was being installed on Deck C. No sage planting was done in Deck B. All preliminary grading had been done. The portion of the County sage area that had been covered with jute netting and hydroseeded were greening up with vegetation. This is approximately 25% of the sage area. The remaining area had deep erosion rills and sediment accumulated in the westside channel below the rills.</p> <p>I-d: The County sage area that had been hydroseeded had germination and vegetation was growing. The jute netting performed well. The area not covered with jute netting had increased erosion and soil sloughing into the westside drainage channel.</p> <p>I-e: The Deck C sage mitigation area was doing well. Non-native removal and cut-back of salt bush in some areas should be done soon. The City Deck B sage mitigation area was staked and ready for final contouring, seeding, and planting.</p>
		Biota - 4.27	County LEA/CDFW	I-a through I-e: See M - 4.4.1 / 60 above.
		Biota - 4.10	County LEA/CDFW	I-a through I-e: No Big-Cone Fir mitigation trees were monitored this quarter.
	M - 4.9.4 / 121		City Planning/Cal Recycle Cal OSHA LAFD City LEA	I-a through I-e: See T-4 above.

Discipline	City Condition Reference # / Mitigation #	County Condition Reference # / Mitigation #	Responsible Agency	Further Review Needed – Comments
Biologist	M-4.9.4/ 125		City Planning/ CalRecycle Cal OSHA SCL-LEA	I-a through I-e: Throughout the 1st 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-a through I-e: The paleontologist was monitoring grading activities in and adjacent to Cell CC-4 Part 2 and Part 3 construction when grading in native, undisturbed areas.
		Ecological Significance 62	County Planning	I-a through I-e: 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 – 43
2	CC-4 Part 1 and CC-4 Part 2	44 – 241
3	Closure Turf and Posi-Shell	242 – 326
4	CC-3B Top Deck	327 – 386
5	Old City North Top Deck	387 – 420
6	County Sage Mitigation and Westside Drainage Channel	421 – 446
7	Basin D	447 – 452
8	Basin D Outlet Channel	453 – 471
9	Flares 9, 10, 11, and Gas-to-Energy Facility	472 – 485
10	County Top Deck	486 – 563
11	Big Cone Fir Mitigation	–
12	Basin B	564 – 608
13	Terminal Basin Inlets	609 – 650
14	Terminal Basin	651 – 770
15	Sewer Lift Station and Graywater Facility	771
16	Retaining Wall at San Fernando Road	772 – 788
17	City Deck C Sage Mitigation	789 – 814
18	City Deck B Sage Mitigation	815 – 841
19	City Deck A Sage Mitigation	–
20	Southern Ownership Buffer	–
–	Illegal Dumping and Windblown Litter	842 – 857
–	Site Scale	858 – 860
–	General Site	861 – 987



Photo 1: Basin A: January 30, 2018



Photo 2: Basin A: January 30, 2018



Photo 3: Basin A: January 30, 2018



Photo 4: Basin A: January 30, 2018



Photo 5: Basin A: January 30, 2018



Photo 6: Basin A: January 30, 2018



Photo 7: Basin A: January 30, 2018



Photo 8: Basin A: January 30, 2018



Photo 9: Basin A: January 30, 2018



Photo 10: Basin A Back Native Hillside: January 30, 2018



Photo 11: Basin A Back Native Hillside: January 30, 2018



Photo 12: Basin A Back Native Hillside: January 30, 2018



Photo 13: Basin A Back Native Hillside: January 30, 2018



Photo 14: Basin A Side Native Hillside: January 30, 2018



Photo 15: Basin A Side Native Hillside: January 30, 2018



Photo 16: Basin A Outlet: January 30, 2018



Photo 17: Basin A Side Native Hillside: January 30, 2018



Photo 18: Basin A Side Native Hillside: January 30, 2018



Photo 19: Basin A Side Native Hillside: January 30, 2018



Photo 20: Basin A Outlet: January 30, 2018



Photo 21: Basin A Outlet Channel: January 30, 2018



Photo 22: Basin A Outlet Channel: January 30, 2018



Photo 23: Basin A: February 20, 2018



Photo 24: Basin A: February 20, 2018



Photo 25: Basin A: February 20, 2018



Photo 26: Basin A: February 20, 2018



Photo 27: Basin A: February 20, 2018



Photo 28: Basin A: February 20, 2018



Photo 29: Basin A Back Native Hillside: February 20, 2018



Photo 30: Basin A: March 14, 2018



Photo 31: Basin A: March 14, 2018



Photo 32: Basin A: March 14, 2018



Photo 33: Basin A: March 14, 2018



Photo 34: Basin A Outlet Channel: March 14, 2018



Photo 35: Basin A: March 29, 2018



Photo 36: Basin A: March 29, 2018



Photo 37: Basin A: March 29, 2018



Photo 38: Basin A: March 29, 2018



Photo 39: Basin A: March 29, 2018



Photo 40: Basin A: March 29, 2018



Photo 41: Basin A: March 29, 2018



Photo 42: Basin A Outlet: March 29, 2018



Photo 43: Basin A Outlet: March 29, 2018



Photo 44: Site Working Area CC4A Part 1: January 10, 2018



Photo 45: Site Working Area CC4A Part 1: January 10, 2018



Photo 46: Site Working Area CC4A Part 1: January 10, 2018



Photo 47: Site Working Area CC4A Part 1: January 10, 2018



Photo 48: Site Working Area CC4A Part 1: January 10, 2018



Photo 49: Site Working Area CC4A Part 1: January 10, 2018



Photo 50: Site Working Area CC4A Part 1: January 10, 2018



Photo 51: Site Working Area CC4A Part 1: January 10, 2018



Photo 52: Site Working Area CC4A Part 1: January 10, 2018



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Photo 62: Site Working Area CC4A Part 1: January 10, 2018



Photo 63: Site Working Area CC4A Part 1: January 10, 2018



Photo 64: Site Working Area CC4A Part 1: January 30, 2018



Photo 65: Site Working Area CC4A Part 1: January 30, 2018



Photo 66: Site Working Area CC4A Part 1: January 30, 2018



Photo 67: Site Working Area CC4A Part 1: January 30, 2018



Photo 68: Site Working Area CC4A Part 1: January 30, 2018



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Photo 70: Site Working Area CC4A Part 1: January 30, 2018



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Photo 76: Site Working Area CC4A Part 1: January 30, 2018



Photo 77: Site Working Area CC4A Part 1: January 30, 2018



Photo 78: Site Working Area CC4A Part 1: January 30, 2018



Photo 79: Site Working Area CC4A Part 1: February 20, 2018



Photo 80: Site Working Area CC4A Part 1: February 20, 2018



Photo 81: Site Working Area CC4A Part 1: February 20, 2018



Photo 82: Site Working Area CC4A Part 1: February 20, 2018



Photo 83: Site Working Area CC4A Part 1: February 20, 2018



Photo 84: Site Working Area CC4A Part 1: February 20, 2018



Photo 85: Site Working Area CC4A Part 1: February 20, 2018



Photo 86: Site Working Area CC4A Part 1: February 20, 2018



Photo 87: Site Working Area CC4A Part 1: February 20, 2018



Photo 88: Site Working Area CC4A Part 1: March 14, 2018



Photo 89: Site Working Area CC4A Part 1: March 14, 2018



Photo 90: Site Working Area CC4A Part 1: March 14, 2018



Photo 91: Site Working Area CC4A Part 1: March 14, 2018



Photo 92: Site Working Area CC4A Part 1: March 14, 2018



Photo 93: Site Working Area CC4A Part 1: March 14, 2018



Photo 94: Site Working Area CC4A Part 1: March 14, 2018

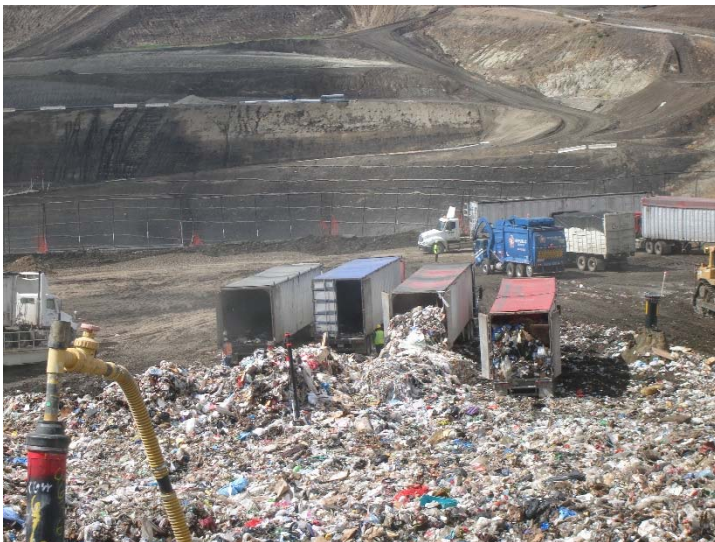


Photo 95: Site Working Area CC4A Part 1: March 14, 2018



Photo 96: Site Working Area CC4A Part 1: March 14, 2018



Photo 97: Site Working Area CC4A Part 1: March 14, 2018



Photo 98: Site Working Area CC4A Part 1: March 14, 2018



Photo 99: Site Working Area CC4A Part 1: March 14, 2018



Photo 100: Site Working Area CC4A Part 1: March 14, 2018



Photo 101: Site Working Area CC4A Part 1: March 14, 2018



Photo 102: Site Working Area CC4A Part 1: March 14, 2018



Photo 103: Site Working Area CC4A Part 1: March 14, 2018



Photo 104: CC4A Part 1 with Posi Shell Slopes: March 29, 2018



Photo 105: CC4A Part 1 with Posi Shell Slopes: March 29, 2018



Photo 106: CC4A Part 1 with Posi Shell Slopes: March 29, 2018



Photo 107: CC4A Part 1 with Posi Shell Slopes: March 29, 2018



Photo 108: CC4A Part 1 with Posi Shell Slopes: March 29, 2018



Photo 109: CC4A Part 1 with Posi Shell Slopes: March 29, 2018



Photo 110: CC4A Part 1 with Posi Shell Slopes: March 29, 2018



Photo 111: Site Working Area CC4A Part 1: March 29, 2018



Photo 112: Site Working Area CC4A Part 1: March 29, 2018



Photo 113: Site Working Area CC4A Part 1: March 29, 2018



Photo 114: Site Working Area CC4A Part 1: March 29, 2018



Photo 115: Site Working Area CC4A Part 1: March 29, 2018

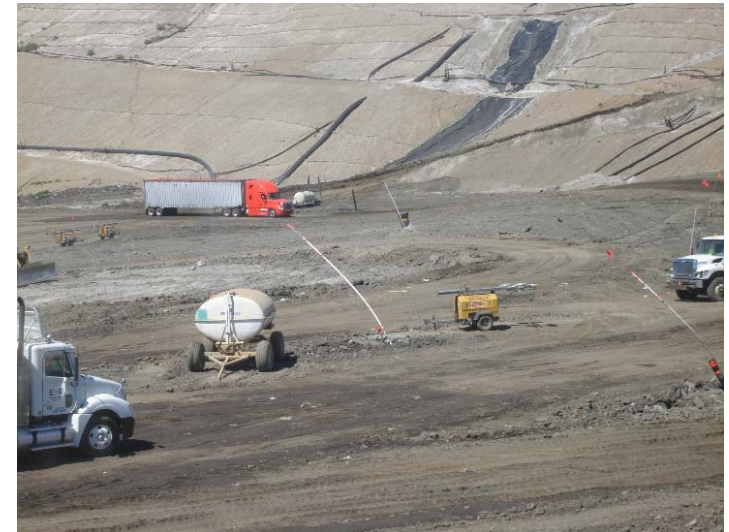


Photo 116: Site Working Area CC4A Part 1: March 29, 2018



Photo 117: Site Working Area CC4A Part 1: March 29, 2018



Photo 118: Site Working Area CC4A Part 1: March 29, 2018



Photo 119: Site Working Area CC4A Part 1: March 29, 2018



Photo 120: Site Working Area CC4A Part 1: March 29, 2018



Photo 121: Site Working Area CC4A Part 1: March 29, 2018



Photo 122: Site Working Area CC4A Part 1: March 29, 2018



Photo 123: Site Working Area CC4A Part 1: March 29, 2018



Photo 124: Site Working Area CC4A Part 1: March 29, 2018



Photo 125: Site Working Area CC4A Part 1 & 2: January 30, 2018



Photo 126: Site Working Area CC4A Part 1 & 2: January 30, 2018



Photo 127: Site Working Area CC4A Part 1 & 2: January 30, 2018



Photo 128: Site Working Area CC4A Part 1 & 2: January 30, 2018



Photo 129: Site Working Area CC4A Part 1 & 2: February 20, 2018



Photo 130: Site Working Area CC4A Part 1 & 2: February 20, 2018



Photo 131: Site Working Area CC4A Part 1 & 2: February 20, 2018



Photo 132: Site Working Area CC4A Part 1 & 2: February 20, 2018



Photo 133: Site Working Area CC4A Part 1 & 2: February 20, 2018



Photo 134: Site Working Area CC4A Part 1 & 2: February 20, 2018



Photo 135: Site Working Area CC4A Part 1 & 2: February 20, 2018



Photo 136: Site Working Area CC4A Part 1 & 2: February 20, 2018



Photo 137: Site Working Area CC4A Part 1 & 2: February 20, 2018



Photo 138: Site Working Area CC4A Part 1 & 2: February 20, 2018



Photo 139: Site Working Area CC4A Part 1 & 2: February 20, 2018



Photo 140: Site Working Area CC4A Part 1 & 2: March 14, 2018



Photo 141: Site Working Area CC4A Part 1 & 2: March 14, 2018



Photo 142: Site Working Area CC4A Part 1 & 2: March 14, 2018



Photo 143: Site Working Area CC4A Part 1 & 2: March 14, 2018



Photo 144: Site Working Area CC4A Part 1 & 2: March 14, 2018



Photo 145: Site Working Area CC4A Part 1 & 2: March 14, 2018



Photo 146: CC4A Part 1 & 2: March 29, 2018



Photo 147: CC4A Part 1 & 2: March 29, 2018



Photo 148: CC4A Part 1 & 2: March 29, 2018



Photo 149: CC4A Part 1 & 2: March 29, 2018



Photo 150: Site Working Area CC4A Part 1 & 2: March 29, 2018



Photo 151: Site Working Area CC4A Part 1 & 2: March 29, 2018



Photo 152: Site Working Area CC4A Part 1 & 2: March 29, 2018



Photo 153: Site Working Area CC4A Part 1 & 2: March 29, 2018



Photo 154: Site Working Area CC4A Part 2 Idle: January 10, 2018



Photo 155: Site Working Area CC4A Part 2 Idle: January 10, 2018



Photo 156: Site Working Area CC4A Part 2 Idle: January 10, 2018



Photo 157: Site Working Area CC4A Part 2 Idle: January 10, 2018



Photo 158: Site Working Area CC4A Part 2 Idle: January 10, 2018

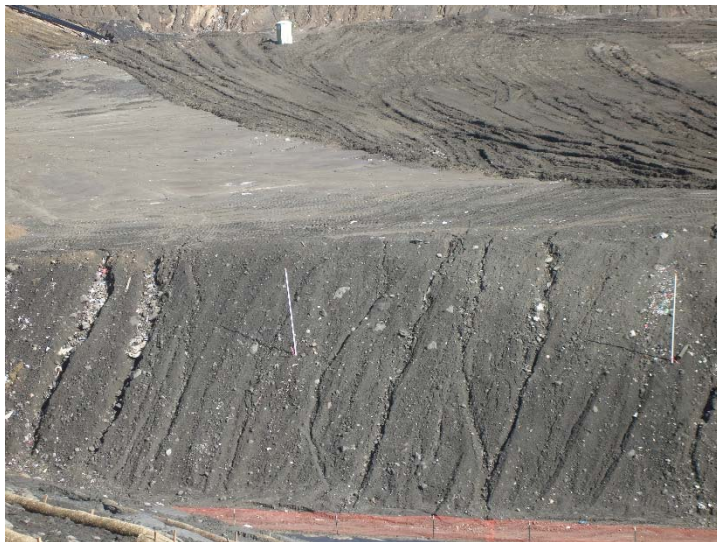


Photo 159: Site Working Area CC4A Part 2 Idle: January 10, 2018



Photo 160: Site Working Area CC4A Part 2 Idle: January 10, 2018



Photo 161: Site Working Area CC4A Part 2 Idle: January 10, 2018



Photo 162: Site Working Area CC4A Part 2 Idle: January 10, 2018



Photo 163: Site Working Area CC4A Part 2 Idle: January 10, 2018



Photo 164: Site Working Area CC4A Part 2 Idle: January 10, 2018



Photo 165: Site Working Area CC4A Part 2 Idle: January 10, 2018



Photo 166: Site Working Area CC4A Part 2: January 30, 2018



Photo 167: Site Working Area CC4A Part 2: January 30, 2018



Photo 168: Site Working Area CC4A Part 2: January 30, 2018



Photo 169: Site Working Area CC4A Part 2: January 30, 2018



Photo 171: Site Working Area CC4A Part 2: March 14, 2018



Photo 170: Site Working Area CC4A Part 2: March 14, 2018



Photo 172: Site Working Area CC4A Part 2: March 14, 2018



Photo 173: Site Working Area CC4A Part 2: March 14, 2018



Photo 174: CC4A Part 2: March 29, 2018



Photo 175: CC4A Part 2: March 29, 2018



Photo 176: Site Working Area CC4A Part 2: March 29, 2018



Photo 177: Site Working Area CC4A Part 2: March 29, 2018



Photo 178: Site Working Area CC4A Part 2: March 29, 2018



Photo 179: Site Working Area CC4A Part 2: March 29, 2018



Photo 180: Site Working Area CC4A Part 2: March 29, 2018



Photo 181: Site Working Area CC4A Part 2: March 29, 2018



Photo 182: Site Working Area CC4A Part 2: March 29, 2018



Photo 183: Site Working Area CC4A Part 2: March 29, 2018



Photo 184: Site Working Area CC4A Part 2: March 29, 2018



Photo 185: CC3A Top Deck & Slope Revegetation: January 30, 2018



Photo 186: CC3A Top Deck & Slope Revegetation: January 30, 2018



Photo 187: CC3A Top Deck & Slope Revegetation: January 30, 2018



Photo 188: CC3A Top Deck & Slope Revegetation: January 30, 2018



Photo 189: CC3A Top Deck & Slope Revegetation: January 30, 2018



Photo 190: CC3A Top Deck & Slope Revegetation: February 20, 2018



Photo 191: CC3A Top Deck & Slope Revegetation: February 20, 2018



Photo 192: CC3A Top Deck & Slope Revegetation: February 20, 2018



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Photo 194: CC3A Top Deck & Slope Revegetation: February 20, 2018



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Photo 199: CC3A Top Deck & Slope Revegetation: February 20, 2018



Photo 200: CC3A Top Deck & Slope Revegetation: February 20, 2018



Photo 201: CC3A Top Deck & Slope Revegetation: February 20, 2018



Photo 202: CC3A Top Deck & Slope Revegetation: February 20, 2018



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Photo 206: CC3A Top Deck & Slope Revegetation: February 20, 2018



Photo 207: CC3A Top Deck & Slope Revegetation: February 20, 2018



Photo 208: CC3A Top Deck & Slope Revegetation: February 20, 2018



Photo 209: CC3A Top Deck & Slope Revegetation: February 20, 2018



Photo 210: CC3A Top Deck & Slope Revegetation: February 20, 2018



Photo 211: CC3A & CC3B Top Decks: March 14, 2018



Photo 212: CC3A Top Deck Revegetation: March 14, 2018



Photo 213: CC3A Top Deck Revegetation: March 14, 2018



Photo 214: CC3A Top Deck Revegetation: March 14, 2018



Photo 215: CC3A Top Deck Revegetation: March 14, 2018



Photo 216: CC3A Top Deck Revegetation: March 14, 2018



Photo 217: CC3A Top Deck Revegetation: March 14, 2018



Photo 218: CC3A Top Deck Revegetation: March 29, 2018



Photo 219: CC3A Top Deck Revegetation: March 29, 2018



Photo 220: CC3A Top Deck Revegetation: March 29, 2018



Photo 221: CC3A East Slope Revegetation: March 29, 2018



Photo 222: CC3A East Slope Revegetation: March 29, 2018



Photo 223: CC3A East Slope Revegetation: March 29, 2018



Photo 224: CC3A East Slope Revegetation: March 29, 2018



Photo 225: CC3A East Slope Revegetation: March 29, 2018



Photo 226: CC3A East Slope Revegetation: March 29, 2018



Photo 227: CC3A East Slope Revegetation: March 29, 2018



Photo 228: CC3A East Slope Revegetation: March 29, 2018



Photo 229: CC3A East Slope Localized Liquids Odors: March 29, 2018



Photo 230: CC3A East Slope Localized Liquids Odors: March 29, 2018



Photo 231: CC3A East Slope Localized Liquids Odors: March 29, 2018



Photo 232: CC3A East Slope Localized Liquids Odors: March 29, 2018



Photo 233: CC3A East Slope Revegetation: March 29, 2018



Photo 235: CC3A North Slope Revegetation: March 29, 2018



Photo 234: CC3A North Slope Revegetation: March 29, 2018



Photo 236: CC3A North Slope Revegetation: March 29, 2018



Photo 237: CC3A North Slope Revegetation: March 29, 2018



Photo 238: CC3A North Slope Revegetation: March 29, 2018



Photo 239: CC3A North Slope Revegetation: March 29, 2018



Photo 240: CC3A North Slope Revegetation: March 29, 2018



Photo 241: CC3A North Slope Revegetation: March 29, 2018



Photo 243: Closure Turf & Posi-Shell: January 10, 2018



Photo 242: Closure Turf & Posi-Shell: January 10, 2018



Photo 244: Closure Turf & Posi-Shell: January 10, 2018



Photo 245: Closure Turf & Posi-Shell: January 10, 2018



Photo 246: Closure Turf & Posi-Shell: January 10, 2018



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Photo 250: Closure Turf & Posi-Shell: January 10, 2018



Photo 251: Closure Turf & Posi-Shell: January 10, 2018



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Photo 254: Closure Turf & Posi-Shell: January 10, 2018



Photo 255: Closure Turf & Posi-Shell: January 10, 2018



Photo 256: Closure Turf & Posi-Shell: January 10, 2018



Photo 257: Closure Turf & Posi-Shell: January 30, 2018



Photo 258: Posi-Shell: January 30, 2018



Photo 259: Posi-Shell: January 30, 2018



Photo 260: Posi-Shell: January 30, 2018



Photo 261: Closure Turf & Posi-Shell: January 30, 2018



Photo 263: Closure Turf & Posi-Shell: January 30, 2018



Photo 262: Closure Turf & Posi-Shell: January 30, 2018



Photo 264: Closure Turf & Posi-Shell: January 30, 2018



Photo 265: Closure Turf: January 30, 2018



Photo 266: Closure Turf: January 30, 2018



Photo 267: Closure Turf: January 30, 2018



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Photo 271: Closure Turf: January 30, 2018



Photo 272: Closure Turf: January 30, 2018



Photo 273: Closure Turf: January 30, 2018



Photo 274: Posi-Shell: February 20, 2018



Photo 275: Posi-Shell: February 20, 2018



Photo 276: Posi-Shell: February 20, 2018



Photo 277: Posi-Shell: February 20, 2018



Photo 278: Closure Turf: February 20, 2018



Photo 279: Closure Turf: February 20, 2018



Photo 280: Closure Turf: February 20, 2018



Photo 281: Closure Turf: February 20, 2018



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Photo 291: Closure Turf: February 20, 2018



Photo 292: Closure Turf: February 20, 2018



Photo 293: Closure Turf: February 20, 2018



Photo 294: Closure Turf: February 20, 2018



Photo 295: Posi-Shell and Closure Turf: March 14, 2018



Photo 296: Closure Turf: March 14, 2018



Photo 297: Closure Turf: March 14, 2018



Photo 298: Closure Turf: March 14, 2018



Photo 299: Closure Turf: March 14, 2018



Photo 300: Closure Turf: March 14, 2018



Photo 301: Closure Turf: March 14, 2018



Photo 302: Closure Turf: March 14, 2018



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Photo 305: Closure Turf: March 14, 2018



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Photo 307: Closure Turf: March 14, 2018



Photo 308: Closure Turf: March 29, 2018



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Photo 322: Closure Turf: March 29, 2018



Photo 323: Closure Turf: March 29, 2018ss



Photo 324: Closure Turf: March 29, 2018



Photo 325: Closure Turf: March 29, 2018



Photo 326: Closure Turf: March 29, 2018



Photo 327: Top Deck & Slope Revegetation: January 10, 2018



Photo 328: Top Deck & Slope Revegetation: January 10, 2018



Photo 329: Top Deck & Slope Revegetation: January 10, 2018



Photo 330: Top Deck & Slope Revegetation: January 10, 2018



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Photo 332: Top Deck & Slope Revegetation: January 10, 2018



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Photo 334: Top Deck & Slope Revegetation: January 10, 2018



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Photo 336: Top Deck & Slope Revegetation: January 10, 2018



Photo 337: Top Deck & Slope Revegetation: January 10, 2018

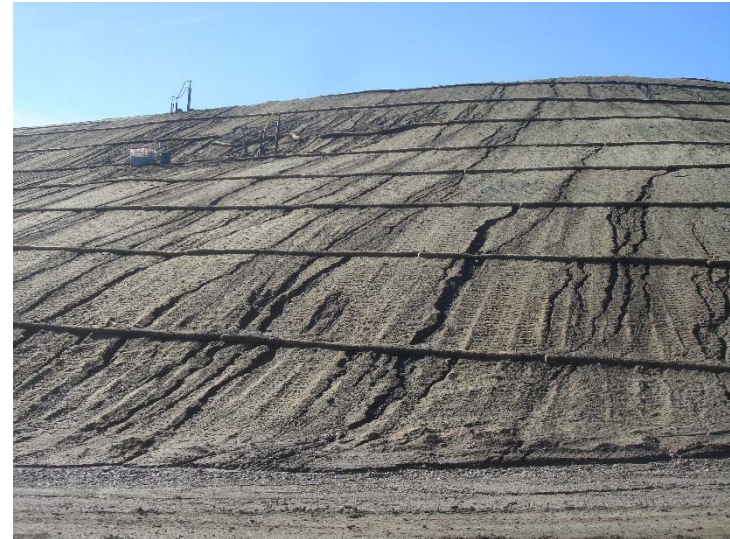


Photo 338: Top Deck & Slope Revegetation: January 10, 2018



Photo 339: Top Deck & Slope Revegetation: January 10, 2018



Photo 340: CC3B Slope Drainage Failure: January 10, 2018



Photo 341: CC3B Slope Drainage Failure: January 10, 2018



Photo 342: CC3B Slope Drainage Erosion: January 10, 2018



Photo 343: CC3B Slope Drainage Erosion: January 10, 2018



Photo 344: CC3B Top Deck: January 10, 2018



Photo 345: CC3B Top Deck: January 10, 2018



Photo 346: CC3B Top Deck: January 10, 2018



Photo 347: CC3B Top Deck: January 30, 2018



Photo 348: CC3B Top Deck: January 30, 2018



Photo 349: CC3B Top Deck: January 30, 2018



Photo 350: CC3B Top Deck: January 30, 2018



Photo 351: CC3B Top Deck: January 30, 2018

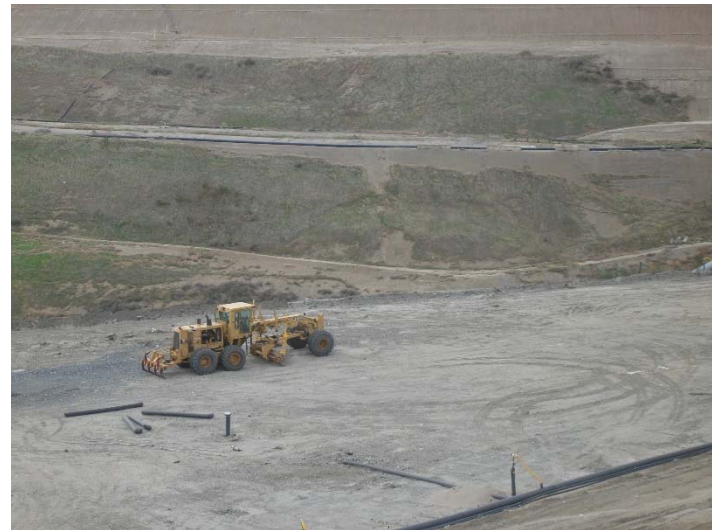


Photo 352: CC3B Top Deck: January 30, 2018



Photo 353: CC3B South Hydroseeded Slopes: January 30, 2018



Photo 354: CC3B Top Deck: January 30, 2018



Photo 355: CC3B Top Deck: January 30, 2018



Photo 356: CC3B Top Deck: January 30, 2018



Photo 357: Basin CC3B Plugged Low Flow-Outlet: January 30, 2018



Photo 358: Basin CC3B Plugged Low Flow-Outlet: January 30, 2018



Photo 359: Basin CC3B Plugged Low Flow-Outlet: January 30, 2018



Photo 360: Liquids Handling near CC3B Basin: January 30, 2018



Photo 361: Liquids Handling near CC3B Basin: January 30, 2018



Photo 362: Liquids Handling near CC3B Basin: January 30, 2018



Photo 363: Liquids Handling near CC3B Basin: January 30, 2018



Photo 364: CC3B Top Deck: February 20, 2018



Photo 365: CC3B Top Deck: February 20, 2018



Photo 366: CC3B Top Deck: February 20, 2018



Photo 367: CC3B Top Deck: February 20, 2018



Photo 368: CC3B Top Deck: February 20, 2018



Photo 369: CC3B Top Deck: February 20, 2018



Photo 370: CC3B Top Deck: February 20, 2018



Photo 371: CC3B Top Deck: February 20, 2018



Photo 372: CC3B Top Deck: February 20, 2018



Photo 373: CC3B South Hydroseeded Slopes: February 20, 2018



Photo 374: CC3B South Hydroseeded Slopes: February 20, 2018



Photo 375: Basin CC3B: March 14, 2018



Photo 376: Basin CC3B: March 14, 2018



Photo 377: Basin CC3B: March 14, 2018



Photo 378: Basin CC3B: March 14, 2018



Photo 379: Basin CC3B: March 14, 2018



Photo 380: Basin CC3B: March 14, 2018



Photo 381: Basin CC3B: March 14, 2018



Photo 382: Basin CC3B: March 14, 2018



Photo 383: Basin CC3B Low Flow Outlet: March 14, 2018



Photo 384: Basin CC3B Low Flow Outlet: March 14, 2018



Photo 385: Basin CC3B Low Flow Outlet: March 14, 2018



Photo 386: Basin CC3B Low Flow Outlet: March 14, 2018



Photo 387: Old City North-Eastern Top Deck: January 10, 2018



Photo 388: Old City North-Eastern Top Deck: January 10, 2018



Photo 389: Old City North-Eastern Top Deck: January 10, 2018



Photo 390: Old City North-Eastern Top Deck: January 10, 2018



Photo 391: Old City North-Eastern Top Deck: January 10, 2018



Photo 392: Old City North-Eastern Top Deck: January 10, 2018



Photo 393: Old City North-Eastern Top Deck Liquids Handling Facility: January 10, 2018



Photo 394: Old City North-Eastern Top Deck Liquids Handling Facility: January 10, 2018



Photo 395: Old City North-Eastern Top Deck Liquids Handling Facility: January 10, 2018



Photo 396: Old City North-Eastern Top Deck Liquids Handling Facility: January 10, 2018



Photo 397: Old City North-Eastern Top Deck Liquids Handling Facility: January 10, 2018



Photo 398: Old City North Top Deck: January 30, 2018



Photo 399: Old City North Top Deck: January 30, 2018



Photo 400: Old City North Top Deck: January 30, 2018



Photo 401: Old City North Top Deck: January 30, 2018



Photo 402: Old City North Top Deck: January 30, 2018



Photo 403: Old City North Top Deck: January 30, 2018



Photo 404: Old City North Top Deck: January 30, 2018



Photo 405: Old City North Top Deck: January 30, 2018



**Photo 406: Idle Liquids Handling at Old City North Top Deck:
January 30, 2018**



**Photo 407: Idle Liquids Handling at Old City North Top Deck:
January 30, 2018**



**Photo 408: Idle Liquids Handling at Old City North Top Deck:
January 30, 2018**



Photo 409: Old City North Top Deck: February 20, 2018



Photo 410: Old City North Top Deck: February 20, 2018



Photo 411: Old City North Top Deck: March 29, 2018



Photo 412: Old City North Top Deck: March 29, 2018

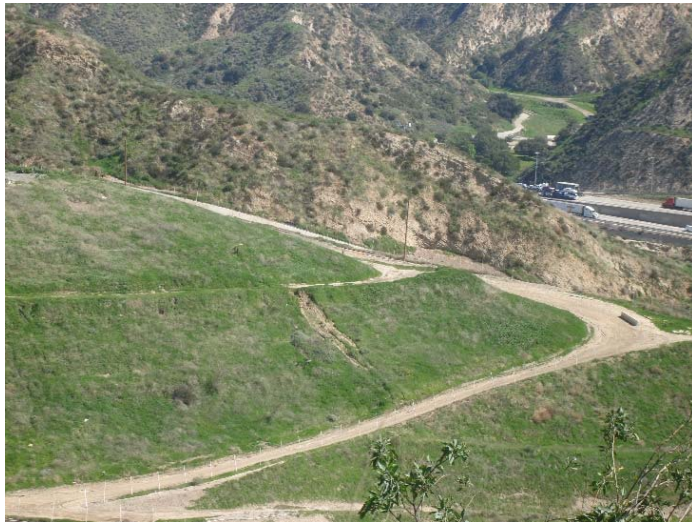


Photo 413: Old City North Top Deck: March 29, 2018



Photo 415: Old City North Top Deck: March 29, 2018



Photo 414: Old City North Top Deck: March 29, 2018



Photo 416: Old City North Top Deck: March 29, 2018



Photo 417: Old City North Top Deck: March 29, 2018



Photo 418: Old City North Top Deck: March 29, 2018



Photo 419: Old City North Top Deck: March 29, 2018



Photo 420: Old City North Top Deck: March 29, 2018



Photo 421: Edison County Area Slope Revegetation: January 30, 2018



Photo 422: Edison County Area Slope Revegetation: January 30, 2018



Photo 423: Edison County Area Slope Revegetation: January 30, 2018



Photo 424: County Sage Mitigation Area Slope: January 30, 2018



Photo 425: County Sage Mitigation Area Slope: January 30, 2018



Photo 426: County Sage Mitigation Area Slope: January 30, 2018



Photo 427: County Sage Mitigation Area Slope: January 30, 2018



Photo 428: County Sage Mitigation Area Slope: January 30, 2018



Photo 429: County Sage Mitigation Area Slope: February 20, 2018



Photo 430: County Sage Mitigation Area Slope: February 20, 2018



Photo 431: County Sage Mitigation Area Slope: February 20, 2018



Photo 432: County Sage Mitigation Area Slope: February 20, 2018



Photo 433: County Sage Mitigation Area Slope: February 20, 2018



Photo 434: County Sage Mitigation Area Slope: February 20, 2018



Photo 435: County Sage Mitigation Area Slope: February 20, 2018



Photo 436: County Sage Mitigation Area Slope: February 20, 2018



Photo 437: County Sage Mitigation Area Slope: February 20, 2018



Photo 438: County Sage Mitigation Area Slope: March 14, 2018



Photo 439: County Sage Mitigation Area Slope: March 14, 2018



Photo 440: County Sage Mitigation Area Slope: March 14, 2018



Photo 441: County Sage Mitigation Area Slope: March 14, 2018



Photo 442: County Sage Mitigation Area Slope: March 29, 2018



Photo 443: County Sage Mitigation Area Slope: March 29, 2018



Photo 444: County Sage Mitigation Area Slope: March 29, 2018



Photo 445: Westside Drainage Channel: January 10, 2018



Photo 446: Westside Drainage Channel: January 10, 2018



Photo 447: Waste Material near Basin D Storage Area: January 30, 2018



Photo 448: Waste Material in Basin D Storage Area: January 30, 2018



Photo 449: Waste Material in Basin D Storage Area: February 20, 2018



Photo 450: Waste Material in Basin D Storage Area: February 20, 2018



Photo 451: Basin D Deck Wood Waste Stockpile: March 29, 2018



Photo 452: Basin D Deck Wood Waste Stockpile: March 29, 2018



Photo 453: Basin D Outlet Channel: January 10, 2018



Photo 454: Basin D Outlet Channel: January 10, 2018



Photo 455: Basin D Outlet Channel: January 10, 2018



Photo 456: Basin D Outlet Channel: January 30, 2018



Photo 457: Basin D Outlet Channel: January 30, 2018



Photo 458: Basin D Outlet Channel: February 20, 2018



Photo 459: Basin D Outlet Channel: February 20, 2018



Photo 460: Basin D Outlet Channel: February 20, 2018



Photo 461: Basin D Outlet Channel: February 20, 2018



Photo 462: Basin D Outlet Channel: February 20, 2018



Photo 463: Basin D Outlet Channel: March 14, 2018



Photo 464: Basin D Outlet Channel: March 14, 2018



Photo 465: Basin D Outlet Channel: March 14, 2018



Photo 466: Basin D Outlet Channel: March 14, 2018



Photo 467: Basin D Outlet Channel: March 14, 2018



Photo 468: Basin D Outlet Channel: March 29, 2018



Photo 469: Basin D Outlet Channel: March 29, 2018



Photo 470: Basin D Outlet Channel: March 29, 2018



Photo 471: Basin D Outlet Channel: March 29, 2018



Photo 472: Flare 11 Emissions Test: January 10, 2018



Photo 473: Flare 11 Emissions Test: January 10, 2018



Photo 475: Flare 11 Emissions Test: January 10, 2018



Photo 474: Flare 11 Emissions Test: January 10, 2018



Photo 476: Plugged Drain at Flare 9-11 Access Road: January 30, 2018



Photo 477: Plugged Drain at Flare 9-11 Access Road: January 30, 2018



Photo 478: Plugged Drain at Flare 9-11 Access Road: January 30, 2018



Photo 479: Site Flare 9, 10, & 11: February 20, 2018



Photo 480: Site Flare 9, 10, & 11: February 20, 2018



Photo 481: Site Flare 9, 10, & 11: February 20, 2018



Photo 482: Site Flare 9, 10, & 11: February 20, 2018



Photo 483: Site: Flare 3: February 20, 2018



Photo 484: Site: Flare 3: February 20, 2018



Photo 485: Site: Flare 3: February 20, 2018



Photo 486: County Top Deck: January 10, 2018



Photo 487: County Top Deck: January 10, 2018



Photo 488: County Top Deck: January 10, 2018



Photo 489: County Top Deck: January 10, 2018



Photo 490: County Top Deck: January 10, 2018



Photo 491: County Top Deck: January 10, 2018



Photo 492: County Top Deck: January 10, 2018



Photo 493: County Top Deck: January 10, 2018



Photo 494: County Top Deck: January 10, 2018



Photo 495: County Top Deck: January 10, 2018



Photo 496: County Top Deck: January 10, 2018



Photo 497: County Top Deck: January 10, 2018



Photo 498: County Top Deck: January 10, 2018



Photo 499: County Top Deck: January 10, 2018



Photo 500: County Top Deck: January 10, 2018



Photo 501: County Top Deck: January 10, 2018



Photo 502: County Top Deck & Slope Revegetation: January 30, 2018



Photo 503: County Top Deck & Slope Revegetation: January 30, 2018



Photo 504: County Top Deck & Slope Revegetation: January 30, 2018



Photo 505: County Top Deck & Slope Revegetation: January 30, 2018



Photo 506: County Top Deck & Slope Revegetation: January 30, 2018



Photo 507: County Top Deck & Slope Revegetation: January 30, 2018



Photo 508: County Top Deck: January 30, 2018



Photo 509: County Top Deck: January 30, 2018



Photo 510: County Top Deck: January 30, 2018



Photo 511: County Top Deck: January 30, 2018



Photo 512: County Top Deck: January 30, 2018



Photo 513: County Top Deck: January 30, 2018



Photo 514: County Top Deck: January 30, 2018



Photo 515: County Top Deck & Slope Revegetation: February 20, 2018



Photo 516: County Top Deck & Slope Revegetation: February 20, 2018



Photo 517: County Top Deck & Slope Revegetation: February 20, 2018



Photo 518: County Top Deck & Slope Revegetation: February 20, 2018



Photo 519: County Top Deck & Slope Revegetation: February 20, 2018



Photo 520: County Top Deck & Slope Revegetation: February 20, 2018



Photo 521: County Top Deck & Slope Revegetation: February 20, 2018



Photo 522: County Top Deck: February 20, 2018



Photo 523: County Top Deck: February 20, 2018



Photo 524: County Top Deck: February 20, 2018



Photo 525: County Top Deck: February 20, 2018



Photo 526: County Top Deck: February 20, 2018



Photo 527: County Top Deck: February 20, 2018



Photo 528: County Top Deck: February 20, 2018



Photo 529: County Top Deck (Bowl) & Slope Revegetation: March 14, 2018



Photo 530: County Top Deck (Bowl) & Slope Revegetation: March 14, 2018



Photo 531: County Top Deck (Bowl) & Slope Revegetation: March 14, 2018



Photo 532: County Top Deck (Bowl) & Slope Revegetation: March 14, 2018



Photo 533: County Top Deck (Bowl) & Slope Revegetation: March 14, 2018



Photo 534: County Top Deck (Bowl) & Slope Revegetation: March 14, 2018



Photo 535: County Top Deck (Bowl) & Slope Revegetation: March 14, 2018



Photo 536: County Top Deck: March 14, 2018



Photo 537: County Top Deck: March 14, 2018



Photo 538: County Top Deck: March 14, 2018



Photo 539: County Top Deck: March 14, 2018



Photo 540: County Top Deck: March 14, 2018



Photo 541: County Top Deck: March 14, 2018



Photo 542: County Top Deck: March 14, 2018



Photo 543: County Top Deck: March 14, 2018



Photo 544: County Top Deck: March 14, 2018



Photo 545: County Top Deck: March 14, 2018



Photo 546: County Top Deck: March 14, 2018



Photo 547: County Top Deck (Bowl) & Slope Revegetation: March 29, 2018



Photo 548: County Top Deck (Bowl) & Slope Revegetation: March 29, 2018



Photo 549: County Top Deck (Bowl) & Slope Revegetation: March 29, 2018



Photo 550: County Top Deck (Bowl) & Slope Revegetation: March 29, 2018



Photo 551: County Top Deck (Bowl) & Slope Revegetation: March 29, 2018



Photo 552: County Top Deck (Bowl) & Slope Revegetation: March 29, 2018



Photo 553: County Top Deck (Bowl) & Slope Revegetation: March 29, 2018



Photo 554: County Top Deck (Bowl) & Slope Revegetation: March 29, 2018



Photo 555: County Top Deck (Bowl) & Slope Revegetation: March 29, 2018



Photo 556: County Top Deck: March 29, 2018



Photo 557: County Top Deck: March 29, 2018



Photo 558: County Top Deck: March 29, 2018



Photo 559: County Top Deck: March 29, 2018



Photo 560: County Top Deck: March 29, 2018



Photo 561: County Top Deck: March 29, 2018



Photo 562: County Top Deck: March 29, 2018



Photo 563: County Top Deck: March 29, 2018



Photo 564: Basin B: January 10, 2018



Photo 565: Basin B: January 10, 2018



Photo 566: Basin B: January 10, 2018



Photo 567: Basin B Native Hillside: January 10, 2018



Photo 568: Basin B Native Hillside: January 10, 2018



Photo 569: Basin B Native Hillside: January 10, 2018



Photo 570: Eastside Drainage Channel: January 10, 2018



Photo 571: Eastside Drainage Channel: January 10, 2018



Photo 572: Eastside Drainage Channel: January 10, 2018



Photo 573: Eastside Drainage Channel: January 10, 2018



Photo 574: Eastside Drainage Channel: January 10, 2018



Photo 575: Eastside Drainage Channel: January 10, 2018



Photo 576: Eastside Drainage Channel: January 10, 2018



Photo 577: Basin B: January 30, 2018



Photo 578: Basin B: January 30, 2018



Photo 579: Basin B: January 30, 2018



Photo 580: Basin B: January 30, 2018



Photo 581: Basin B: January 30, 2018



Photo 582: Basin B: January 30, 2018

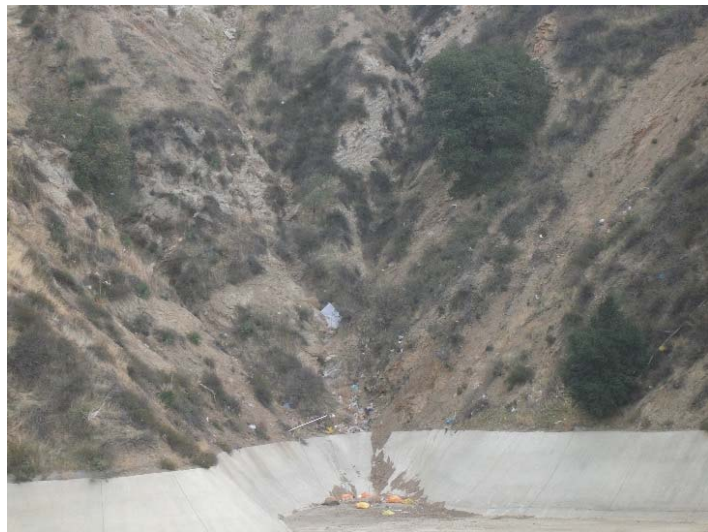


Photo 583: Basin B: January 30, 2018



Photo 584: Eastside Drainage Channel: January 30, 2018



Photo 585: Eastside Drainage Channel: January 30, 2018



Photo 586: Eastside Drainage Channel: January 30, 2018



Photo 587: Basin B: February 20, 2018



Photo 588: Basin B: February 20, 2018



Photo 589: Basin B: February 20, 2018



Photo 590: Basin B: February 20, 2018



Photo 591: Basin B Native Hillside Litter: February 20, 2018



Photo 592: Basin B Native Hillside Litter: February 20, 2018



Photo 593: Basin B Native Hillside Litter: February 20, 2018



Photo 594: Basin B: March 14, 2018



Photo 595: Basin B: March 14, 2018



Photo 596: Basin B: March 14, 2018



Photo 597: Basin B: March 14, 2018



Photo 598: Basin B: March 14, 2018



Photo 599: Basin B Native Hillside Litter: March 14, 2018



Photo 600: Basin B: March 29, 2018



Photo 601: Basin B: March 29, 2018



Photo 602: Basin B: March 29, 2018



Photo 603: Basin B: March 29, 2018



Photo 604: Basin B Back Hillside Litter: March 29, 2018



Photo 605: Basin B Sage Mitigation Area: March 29, 2018



Photo 606: Basin B Sage Mitigation Area: March 29, 2018



Photo 607: Basin B Sage Mitigation Area: March 29, 2018



Photo 608: Basin B Sage Mitigation Area: March 29, 2018



Photo 609: Old City South: February 20, 2018



Photo 610: Old City South: February 20, 2018



Photo 611: Old City South: February 20, 2018



Photo 612: Old City South: February 20, 2018



Photo 613: Old City South: February 20, 2018



Photo 614: Old City South: February 20, 2018



Photo 615: Old City South: February 20, 2018



Photo 616: Old City South: February 20, 2018



Photo 617: Old City South: February 20, 2018



Photo 618: Old City South: February 20, 2018



Photo 619: Old City South: February 20, 2018



Photo 620: Old City South: February 20, 2018



Photo 621: Old City South: February 20, 2018



Photo 622: Old City South: February 20, 2018



Photo 623: Old City South: February 20, 2018



Photo 624: Old City South: February 20, 2018



Photo 625: Old City South: February 20, 2018



Photo 626: Old City South: February 20, 2018



Photo 627: Old City South: February 20, 2018



Photo 628: Old City South: February 20, 2018



Photo 629: Terminal Basin Inlet: March 14, 2018



Photo 630: Terminal Basin Inlet: March 14, 2018



Photo 631: Terminal Basin Inlet: March 14, 2018



Photo 632: Terminal Basin Inlet: March 14, 2018



Photo 633: Old City South Soil Stockpile: March 14, 2018



Photo 634: Old City South Soil Stockpile: March 14, 2018



Photo 635: Old City South Soil Stockpile: March 14, 2018



Photo 636: Old City South Soil Stockpile: March 14, 2018



Photo 637: Old City South Soil Stockpile: March 14, 2018



Photo 638: Old City South Slope: March 29, 2018



Photo 639: Old City South Slope: March 29, 2018



Photo 640: Old City South Slope: March 29, 2018



Photo 641: Old City South Slope: March 29, 2018



Photo 642: Old City South Slope: March 29, 2018



Photo 643: Old City South Slope: March 29, 2018



Photo 644: Old City South Slope: March 29, 2018



Photo 645: Old City South Slope: March 29, 2018



Photo 647: Terminal Basin Inlet: March 29, 2018



Photo 646: Terminal Basin Inlet: March 29, 2018



Photo 648: Terminal Basin Inlet: March 29, 2018



Photo 649: Terminal Basin Inlet: March 29, 2018



Photo 650: Terminal Basin Inlet: March 29, 2018



Photo 651: Terminal Basin: January 10, 2018



Photo 652: Terminal Basin: January 10, 2018



Photo 653: Terminal Basin: January 10, 2018



Photo 654: Terminal Basin Outlet: January 10, 2018



Photo 655: Landfill Liquids Transfer Piping: January 10, 2018

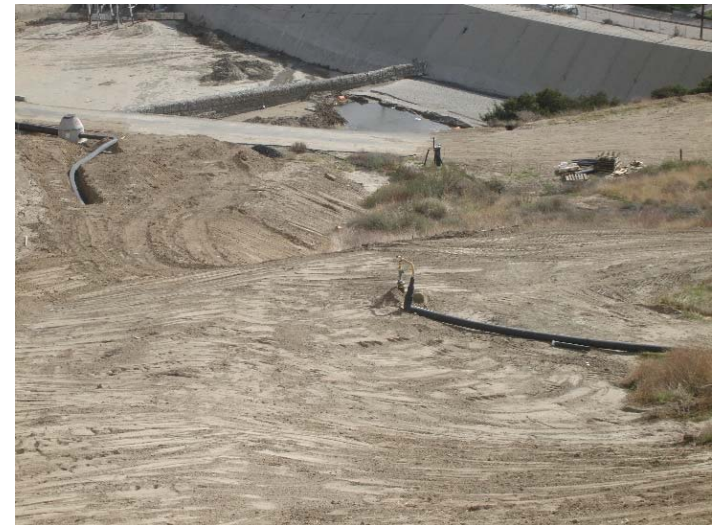


Photo 656: Slope above Terminal Basin: January 30, 2018



Photo 657: Terminal Basin: January 30, 2018



Photo 658: Terminal Basin: January 30, 2018



Photo 659: Terminal Basin: January 30, 2018



Photo 660: Terminal Basin: January 30, 2018



Photo 661: Terminal Basin: January 30, 2018



Photo 662: Terminal Basin: January 30, 2018



Photo 663: Terminal Basin: January 30, 2018



Photo 664: Terminal Basin: January 30, 2018



Photo 665: Terminal Basin: January 30, 2018



Photo 666: Terminal Basin: January 30, 2018



Photo 667: Access Road near Terminal Basin: January 30, 2018



Photo 668: Access Road near Terminal Basin: January 30, 2018



Photo 669: Access Road near Terminal Basin: January 30, 2018



Photo 670: Access Road near Terminal Basin: January 30, 2018



Photo 671: Access Road near Terminal Basin: January 30, 2018



Photo 672: Terminal Basin: March 14, 2018



Photo 673: Terminal Basin: March 14, 2018



Photo 674: Terminal Basin: March 14, 2018



Photo 675: Terminal Basin: March 14, 2018



Photo 676: Terminal Basin: March 14, 2018



Photo 677: Terminal Basin: March 14, 2018



Photo 678: Terminal Basin: March 14, 2018



Photo 679: Terminal Basin: March 14, 2018



Photo 680: Terminal Basin: March 14, 2018



Photo 681: Terminal Basin: March 14, 2018



Photo 682: Terminal Basin: March 14, 2018



Photo 683: Terminal Basin: March 14, 2018



Photo 684: Terminal Basin: March 14, 2018



Photo 685: Terminal Basin: March 14, 2018



Photo 686: Terminal Basin: March 14, 2018



Photo 687: Terminal Basin: March 14, 2018



Photo 688: Terminal Basin Top Wall: March 14, 2018



Photo 689: Terminal Basin: March 14, 2018



Photo 690: Terminal Basin: March 14, 2018



Photo 691: Terminal Basin: March 14, 2018



Photo 692: Terminal Basin: March 14, 2018



Photo 693: Terminal Basin: March 14, 2018



Photo 694: Terminal Basin: March 14, 2018



Photo 695: Terminal Basin: March 14, 2018



Photo 696: Terminal Basin: March 14, 2018



Photo 697: Terminal Basin: March 14, 2018



Photo 698: Terminal Basin: March 14, 2018



Photo 699: Terminal Basin Outlet: March 14, 2018



Photo 700: Terminal Basin Outlet: March 14, 2018



Photo 701: Terminal Basin East Exterior Wall: March 14, 2018

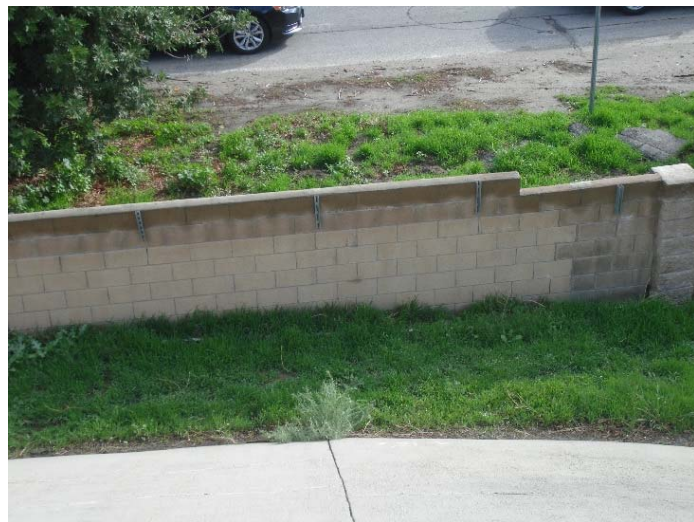


Photo 703: Terminal Basin East Exterior Wall: March 14, 2018



Photo 702: Terminal Basin East Exterior Wall: March 14, 2018



Photo 704: Terminal Basin East Exterior Wall: March 14, 2018



Photo 705: Terminal Basin Top Walkway: March 14, 2018



Photo 706: Terminal Basin Top Walkway: March 14, 2018



Photo 707: Terminal Basin Top Walkway: March 14, 2018



Photo 708: Terminal Basin Top Walkway: March 14, 2018



Photo 709: Access Road near Terminal Basin Entrance: March 14, 2018



Photo 710: Access Road near Terminal Basin Entrance: March 14, 2018



Photo 711: Access Road near Terminal Basin Entrance: March 14, 2018



Photo 712: Access Road near Terminal Basin Entrance: March 14, 2018



Photo 713: Access Road near Terminal Basin Entrance: March 14, 2018



Photo 714: Access Road near Terminal Basin Entrance: March 14, 2018



Photo 715: Access Road near Terminal Basin Entrance: March 14, 2018



Photo 716: Access Road near Terminal Basin Entrance: March 14, 2018



Photo 717: Access Road near Terminal Basin Entrance: March 14, 2018



Photo 718: Access Road near Terminal Basin Entrance: March 14, 2018



Photo 719: Access Road near Terminal Basin Entrance: March 14, 2018



Photo 720: Access Road near Terminal Basin Entrance: March 14, 2018



Photo 721: Access Road near Terminal Basin Entrance: March 14, 2018



Photo 722: Access Road near Terminal Basin Entrance: March 14, 2018



Photo 723: Access Road near Terminal Basin Entrance: March 14, 2018



Photo 724: Access Road near Terminal Basin Entrance: March 14, 2018



Photo 725: Access Road Settlement: March 14, 2018



Photo 726: Terminal Basin: March 29, 2018



Photo 727: Terminal Basin: March 29, 2018



Photo 728: Terminal Basin: March 29, 2018



Photo 729: Terminal Basin: March 29, 2018



Photo 730: Terminal Basin: March 29, 2018



Photo 731: Terminal Basin: March 29, 2018



Photo 732: Terminal Basin: March 29, 2018



Photo 733: Terminal Basin: March 29, 2018



Photo 734: Terminal Basin: March 29, 2018



Photo 735: Terminal Basin: March 29, 2018



Photo 736: Terminal Basin: March 29, 2018



Photo 737: Terminal Basin: March 29, 2018

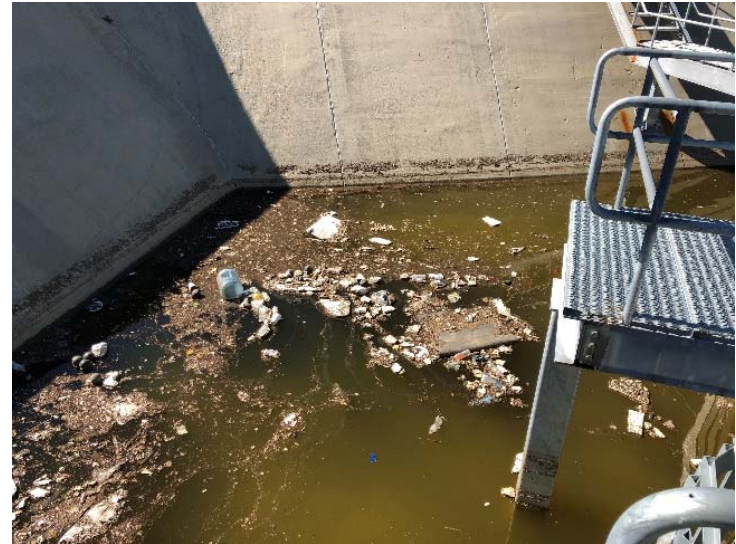


Photo 738: Terminal Basin: March 29, 2018



Photo 739: Terminal Basin: March 29, 2018



Photo 740: Terminal Basin: March 29, 2018



Photo 741: Terminal Basin: March 29, 2018



Photo 742: Terminal Basin: March 29, 2018



Photo 743: Terminal Basin: March 29, 2018



Photo 744: Terminal Basin: March 29, 2018



Photo 745: Terminal Basin: March 29, 2018



Photo 746: Terminal Basin: March 29, 2018



Photo 747: Terminal Basin Outlet: March 29, 2018



Photo 748: Terminal Basin Outlet: March 29, 2018



Photo 749: Terminal Basin Outlet: March 29, 2018



**Photo 750: Access Road Slope near Terminal Basin Entrance:
March 29, 2018**



**Photo 751: Access Road Slope near Terminal Basin Entrance:
March 29, 2018**



**Photo 752: Access Road Slope near Terminal Basin Entrance:
March 29, 2018**



**Photo 753: Access Road Slope near Terminal Basin Entrance:
March 29, 2018**



**Photo 754: Access Road Slope near Terminal Basin Entrance:
March 29, 2018**



**Photo 755: Access Road Slope near Terminal Basin Entrance:
March 29, 2018**



**Photo 756: Access Road Slope near Terminal Basin Entrance:
March 29, 2018**



**Photo 757: Access Road Slope near Terminal Basin Entrance:
March 29, 2018**



**Photo 758: Access Road Slope near Terminal Basin Entrance:
March 29, 2018**



**Photo 759: Access Road Slope near Terminal Basin Entrance:
March 29, 2018**



**Photo 760: Access Road Slope near Terminal Basin Entrance:
March 29, 2018**



**Photo 761: Access Road Slope near Terminal Basin Entrance:
March 29, 2018**



**Photo 762: Access Road Slope near Terminal Basin Entrance:
March 29, 2018**



**Photo 763: Access Road Slope near Terminal Basin Entrance:
March 29, 2018**



**Photo 764: Access Road Slope near Terminal Basin Entrance:
March 29, 2018**



**Photo 765: Access Road Slope near Terminal Basin Entrance:
March 29, 2018**



**Photo 767: Access Road Slope near Terminal Basin Entrance:
March 29, 2018**



**Photo 766: Access Road Slope near Terminal Basin Entrance:
March 29, 2018**



**Photo 768: Access Road Slope near Terminal Basin Entrance:
March 29, 2018**



**Photo 769: Access Road Slope near Terminal Basin Entrance:
March 29, 2018**



**Photo 770: Access Road Slope near Terminal Basin Entrance:
March 29, 2018**



Photo 771: New Sewer Connection Facility: March 14, 2018



**Photo 772: Frontage Retaining Wall Slope on San Fernando Road:
January 10, 2018**



**Photo 773: Frontage Retaining Wall Slope on San Fernando Road:
January 10, 2018**



**Photo 774: Frontage Retaining Wall Slope on San Fernando Road:
January 10, 2018**



**Photo 775: Frontage Retaining Wall Slope on San Fernando Road:
January 10, 2018**



**Photo 776: Frontage Retaining Wall Slope on San Fernando Road:
January 10, 2018**



**Photo 777: Frontage Retaining Wall Slope on San Fernando Road:
January 10, 2018**



**Photo 778: Frontage Retaining Wall Slope on San Fernando Road:
March 14, 2018**



**Photo 779: Frontage Retaining Wall Slope on San Fernando Road:
March 14, 2018**



**Photo 780: Frontage Retaining Wall Slope on San Fernando Road:
March 14, 2018**



**Photo 781: Frontage Retaining Wall Slope on San Fernando Road:
March 14, 2018**



**Photo 782: Frontage Retaining Wall Slope on San Fernando Road:
March 14, 2018**



**Photo 783: Frontage Retaining Wall Slope on San Fernando Road:
March 14, 2018**



**Photo 784: Frontage Retaining Wall Slope on San Fernando Road:
March 14, 2018**



**Photo 785: Frontage Retaining Wall Slope on San Fernando Road:
March 14, 2018**



**Photo 786: Frontage Retaining Wall Slope on San Fernando Road:
March 14, 2018**



**Photo 787: Frontage Retaining Wall Slope on San Fernando Road:
March 14, 2018**



**Photo 788: Acceleration Lane on San Fernando Road: March 14,
2018**



Photo 789: PM 10 Berm Area: January 10, 2018



Photo 790: PM 10 Berm Area: January 10, 2018



Photo 791: PM 10 Berm Area: January 10, 2018



Photo 792: Deck C Sage Mitigation Area: January 10, 2018



Photo 793: Deck C Sage Mitigation Area: January 10, 2018



Photo 794: Deck C Sage Mitigation Area: January 10, 2018



Photo 795: PM 10 Berm Area: January 30, 2018



Photo 796: PM 10 Berm Area: January 30, 2018



Photo 797: Deck C Sage Mitigation Area: January 30, 2018



Photo 798: Deck C Sage Mitigation Area: January 30, 2018



Photo 799: Deck C Sage Mitigation Area: January 30, 2018



Photo 800: Deck C Sage Mitigation Area: January 30, 2018



Photo 801: Deck C Sage Mitigation Area: January 30, 2018



Photo 802: Deck C Sage Mitigation Area: January 30, 2018



Photo 803: Deck C Sage Mitigation Area: February 20, 2018



Photo 804: Deck C PM 10 Berm Area: March 29, 2018



Photo 805: Deck C PM 10 Berm Area: March 29, 2018



Photo 806: Deck C PM 10 Berm Area: March 29, 2018



Photo 807: Deck C PM 10 Berm Area: March 29, 2018



Photo 808: Deck C Sage Mitigation Area: March 29, 2018



Photo 809: Deck C Sage Mitigation Area: March 29, 2018



Photo 810: Deck C Sage Mitigation Area: March 29, 2018



Photo 811: Deck C Sage Mitigation Area: March 29, 2018



Photo 812: Deck C Sage Mitigation Area: March 29, 2018



Photo 813: Deck C Sage Mitigation Area: March 29, 2018



Photo 814: Deck C Sage Mitigation Area: March 29, 2018



Photo 815: Deck B Sage Mitigation Area: January 10, 2018



Photo 816: Deck B Sage Mitigation Area: January 10, 2018



Photo 817: Deck B Sage Mitigation Area: January 10, 2018



Photo 818: Deck B Sage Mitigation Area: January 10, 2018



Photo 819: Deck B Sage Mitigation Area: January 10, 2018



Photo 820: Deck B Sage Mitigation Area: January 10, 2018



Photo 821: Deck B Sage Mitigation Area: January 10, 2018



Photo 822: Deck B Sage Mitigation Area: January 30, 2018



Photo 823: Deck B Sage Mitigation Area: January 30, 2018



Photo 824: Deck B Sage Mitigation Area: January 30, 2018



Photo 825: Deck B Sage Mitigation Area: January 30, 2018



Photo 826: Deck B Sage Mitigation Area: January 30, 2018



Photo 827: Deck B Sage Mitigation Area: February 20, 2018



Photo 828: Deck B Sage Mitigation Area: February 20, 2018

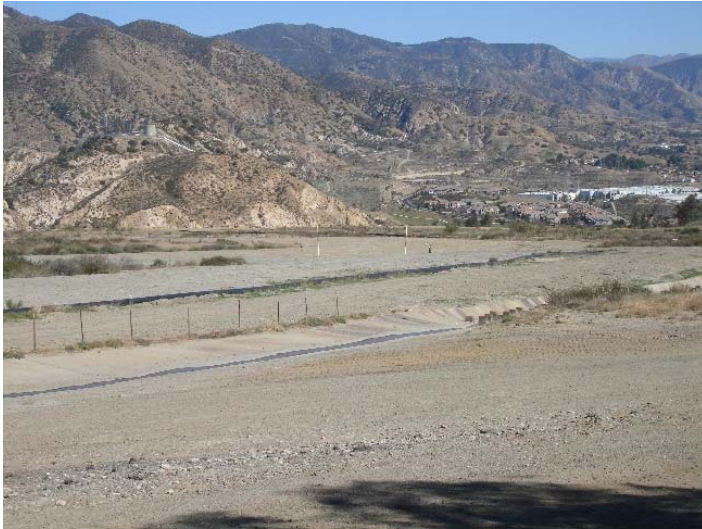


Photo 829: Deck B Sage Mitigation Area: February 20, 2018



Photo 830: Deck B Sage Mitigation Area: February 20, 2018



Photo 831: Slope Above Flare 1 Pad: January 10, 2018



Photo 832: Truck with Loose Waste: January 10, 2018



Photo 833: Flare 1: February 20, 2018



Photo 834: Flare 1 Hillside V-Ditch: March 14, 2018



Photo 835: Flare 1 Hillside V-Ditch: March 14, 2018



Photo 836: Flare 1 Hillside V-Ditch: March 14, 2018



Photo 837: Flare 1 Hillside V-Ditch: March 14, 2018



Photo 838: Flare 1 Hillside V-Ditch: March 14, 2018



Photo 839: Flare 1 Hillside V-Ditch: March 14, 2018



Photo 840: Flare 1 Hillside V-Ditch: March 14, 2018



Photo 841: Flare 1 Hillside V-Ditch: March 14, 2018



**Photo 842: Illegal Dumping at Sierra Highway near I-14 Overpass:
March 14, 2018**



**Photo 843: Illegal Dumping at Sierra Highway near I-14 Overpass:
March 14, 2018**



**Photo 844: Illegal Dumping at Sierra Highway near I-14 Overpass:
March 14, 2018**



**Photo 845: Illegal Dumping at Sierra Highway near I-14 Overpass:
March 14, 2018**



**Photo 846: Illegal Dumping at Sierra Highway near I-14 Overpass:
March 14, 2018**



**Photo 847: Illegal Dumping at Sierra Highway near I-14 Overpass:
March 29, 2018**



**Photo 848: Illegal Dumping at Sierra Highway near I-14 Overpass:
March 29, 2018**



**Photo 849: Illegal Dumping at Sierra Highway near I-14 Overpass:
March 29, 2018**



Photo 850: Abandoned Trailer North of Entrance: March 29, 2018



Photo 851: Abandoned Trailer North of Entrance: March 29, 2018



**Photo 852: Illegal Dumping San Fernando Road at I-5 Overpass:
March 29, 2018**



**Photo 853: Illegal Dumping San Fernando Road at I-5 Overpass:
March 29, 2018**



**Photo 854: Illegal Dumping San Fernando Road at I-5 Overpass:
March 29, 2018**



**Photo 855: Illegal Dumping San Fernando Road at I-5 Overpass:
March 29, 2018**



**Photo 856: Illegal Dumping San Fernando Road at I-5 Overpass:
March 29, 2018**



**Photo 857: Illegal Dumping San Fernando Road at I-5 Overpass:
March 29, 2018**



Photo 858: Trucks Staging at Scales: March 29, 2018



Photo 859: Trucks Staging at Scales: March 29, 2018



Photo 860: Trucks Staging at Scales: March 29, 2018



Photo 861: Site Water Pounding: January 10, 2018



Photo 862: Site Water Pounding: January 10, 2018



Photo 863: Site Water Pounding: January 10, 2018



Photo 864: Site Water Pounding: January 10, 2018



Photo 865: Site Water Pounding: January 10, 2018



Photo 866: Site Water Pounding: January 10, 2018



Photo 867: Site Water Pounding: January 10, 2018



Photo 868: Site Water Pounding: January 10, 2018



Photo 869: Site Water Pounding: January 10, 2018



Photo 870: Site Water Pounding: January 10, 2018



Photo 871: Site Water Pounding: January 10, 2018



Photo 872: Site Water Pounding: January 10, 2018



Photo 873: Site: January 10, 2018



Photo 874: Site: January 10, 2018



Photo 875: Site: January 10, 2018



Photo 876: Site: January 10, 2018



Photo 877: Site: January 10, 2018



Photo 878: Site: January 10, 2018



Photo 879: Site: January 10, 2018



Photo 880: Site: January 10, 2018



Photo 881: Site: January 10, 2018



Photo 882: Site: January 10, 2018



Photo 883: Site: January 10, 2018



Photo 884: Site: January 10, 2018



Photo 885: Site: January 10, 2018



Photo 886: Site: January 10, 2018



Photo 887: Site: January 10, 2018



Photo 888: Site: January 10, 2018



Photo 889: Site: January 10, 2018



Photo 890: Site: January 10, 2018



Photo 891: Site: January 10, 2018



Photo 892: Site: January 10, 2018



Photo 893: Site: January 10, 2018



Photo 894: Site: January 10, 2018



Photo 895: Site: January 10, 2018



Photo 896: Site: January 10, 2018



Photo 897: Site: January 10, 2018



Photo 898: Site: January 10, 2018



Photo 899: Site: January 10, 2018



Photo 900: Site: January 10, 2018



Photo 901: Site: January 10, 2018



Photo 902: Site: January 10, 2018



Photo 903: Site: January 10, 2018



Photo 904: Site: January 10, 2018



Photo 905: Site: January 10, 2018



Photo 906: Site: January 10, 2018



Photo 907: Site: January 10, 2018



Photo 908: Site: January 30, 2018



Photo 909: Site: January 30, 2018



Photo 910: Site: January 30, 2018



Photo 911: Site: January 30, 2018



Photo 912: Site: January 30, 2018



Photo 913: Site: January 30, 2018



Photo 914: Site: January 30, 2018



Photo 915: Site: January 30, 2018



Photo 916: Site: January 30, 2018



Photo 917: Site: January 30, 2018



Photo 918: Site: January 30, 2018



Photo 919: Site: January 30, 2018



Photo 920: Site: January 30, 2018



Photo 921: Site: January 30, 2018



Photo 922: Site: January 30, 2018



Photo 923: Site: January 30, 2018



Photo 924: Site: January 30, 2018



Photo 925: Site: January 30, 2018



Photo 926: Site: January 30, 2018



Photo 927: Site: January 30, 2018



Photo 928: Site: January 30, 2018



Photo 929: Site: January 30, 2018



Photo 930: Site: January 30, 2018



Photo 931: Site: January 30, 2018



Photo 932: Site: January 30, 2018



Photo 933: Site: January 30, 2018



Photo 934: Site: January 30, 2018



Photo 935: Site: January 30, 2018



Photo 936: Site: January 30, 2018



Photo 937: Site: January 30, 2018



Photo 938: Site: March 14, 2018



Photo 939: Site: March 14, 2018



Photo 940: Site: March 14, 2018



Photo 941: Site: March 14, 2018



Photo 942: Site: March 14, 2018



Photo 943: Site: March 14, 2018



Photo 944: Site: March 14, 2018



Photo 945: Site: March 14, 2018



Photo 946: Site: March 14, 2018



Photo 947: Site: March 14, 2018



Photo 948: Site: March 14, 2018



Photo 949: Site: March 14, 2018



Photo 950: Site: March 14, 2018



Photo 951: Site: March 14, 2018



Photo 952: Site: March 14, 2018



Photo 953: Site: March 14, 2018



Photo 954: Site: March 14, 2018



Photo 955: Site: March 14, 2018



Photo 956: Site: March 14, 2018



Photo 957: Site: March 14, 2018



Photo 958: Site: March 14, 2018



Photo 959: Site: March 14, 2018



Photo 960: Site: March 29, 2018



Photo 961: Site: March 29, 2018



Photo 962: Site: March 29, 2018



Photo 963: Site: March 29, 2018



Photo 964: Site: March 29, 2018



Photo 965: Site: March 29, 2018



Photo 966: Site: March 29, 2018



Photo 967: Site: March 29, 2018



Photo 968: Site: March 29, 2018



Photo 969: Site: March 29, 2018



Photo 970: Site: March 29, 2018



Photo 971: Site: March 29, 2018



Photo 972: Site: March 29, 2018



Photo 973: Site: March 29, 2018



Photo 974: Site: March 29, 2018



Photo 975: Site: March 29, 2018



Photo 976: Site: March 29, 2018



Photo 977: Site: March 29, 2018



Photo 978: Site: March 29, 2018



Photo 979: Site: March 29, 2018



Photo 980: Site: March 29, 2018



Photo 981: Site: March 29, 2018



Photo 982: Site: March 29, 2018



Photo 983: Site: March 29, 2018



Photo 984: Site: March 29, 2018



Photo 985: Site: March 29, 2018



Photo 986: Site: March 29, 2018



Photo 987: Site: March 29, 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

January Site Visits

January 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: 1/10/18
Site Conditions: Clear, 45-65°F, 0-10 MPH winds	
SITE LOG	
<p>Republic General Manager - Chris Coyle</p> <p>Drove the Granada Hills and adjacent Sylmar neighborhood areas from 6:30 to 7:30 a.m. and there were no landfill odors detected. Met with Mike Lindsay (UltraSystems) signed in, had a brief meeting with Joshua Mills, and proceeded to monitor the site and observed the following:</p> <ul style="list-style-type: none"> • Drove San Fernando Road north and Sierra Highway and did not observe any illegal dumping or windblown litter. • The terminal basin outlet channel had a significant amount of sediment that was discharged during yesterday's rain. The cause of the discharge was not evident. <p>Met with Gladys Gallardo (LACDPW) and she joined us during the monitoring.</p> <ul style="list-style-type: none"> • There was water ponding on the closure turf. The lower portion of the green grass cover of the turf slid down along the edge of the main access road, exposing the HDPE liner. The western area where it meets with the soil slope of CC-3A had washout areas and exposed trash. • Slope erosion and exposed waste was seen on the slopes of CC-4 Part 2. Standing water in the lined drainage channel was scheduled to be pumped into trucks and sewered. • Significant slope erosion was seen in some areas of CC-4A Parts 1 and 2, CC-3A and CC-3B. • A slope HDPE drainage channel was washed away on the eastern slope of CC-3B. • There was a strong odor coming from the top deck of CC-3A. This could be coming from the soil amendment for the revegetation activity. • Ponding of rainwater was seen on the Old City North top deck near the leachate and condensate tank farm. • Rainwater ponding was seen on the top deck of CC-3B. • CC-4A Part 1 was accepting waste with three tippers operating. CC-4A Part 2 was not active. • The eastern slopes of CC-3A and the County inactive decks and slopes being revegetated had deep erosion rills. The straw wattles were not effective in controlling the runoff. Ponding was seen in these areas. • The Posi-Shell appeared to hold up to the rain event. There were only minor areas that needed to be repaired. • The effectiveness of the erosion control measures being used on the whole site need to be evaluated. The areas that had erosion exposing trash need immediate remedial attention. • The eastside drainage channel had an area north of Basin B where the concrete channel wall was spalling. The channel had significant sediment behind the gabions. • Basin B had sediment and standing water. 	

Page 2 of 2, 1/10/18:

- Deck C sage mitigation was greening up due to the cooler weather and moisture. No maintenance work appears to have been done.
- The PM-10 berm Oak Trees were doing well, greening up, and growing.
- The Deck B sage mitigation is graded and survey stakes placed. No planting activity has occurred.
- The native slopes above the Flare 1 pad had significant erosion.
- The Basin D outlet channel was cleaned and liner repaired.
- A packer truck on the main access road was blowing litter out of the top of the truck.
- The westside concrete channel across the main access road from the CC-3B basin was spalling and lifting. The walls were also cracking as it goes under the roadway.
- CC-3B basin had standing water. The low-flow drain was plugged.
- The terminal basin has one skimmer riser support break and caused an uncontrolled release of sediment during yesterday's rain event. The risers were being repaired and reinforced.
- The San Fernando Road retaining wall top drainage channel had standing water and significant soil flow from the hillside. Maintenance should be scheduled for soil removal and unplugging the channel drains.

Flare Operating Conditions:

- Flare 1 - 1694°F, 2448 SCFM, -57.72" vacuum, 38.51" out, 36% CH₄, 52 ppm H₂S, 0.8% O₂
- Flare 3 - shut down
- Flare 9 - shut down
- Flare 10 - 1666°F, 3107 SCFM, -64" vacuum, 40.2 out
- Flare 11 - 2708 SCFM

The gas-to-energy plant was using 8862 SCFM of recovered landfill gas, 46% CH₄, 1.1% O₂, 56 ppm H₂S. Total gas volume recovered was 18,361 SCFM.

FURTHER REVIEW NEEDED

COMMENTS

Signed: 

**SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT**

Monitor: Mike Lindsay	Page: 1 of 2
Discipline: Environmental Engineer	Date: 01-10-2018 Wednesday
Site Conditions: Clear, 47–66 °F, 3–10 mph, 70% RH	
SITE LOG	
<ol style="list-style-type: none"> 1. Met with Jim Aidukas (UltraSystems), and checked into office and with Joshua Mills. 2. Met with Gladys Gallardo (LACDPW). 3. Observed ponding water on closure turf along haul road due to heavy rains yesterday. 4. A strong waste odor is present on the top deck of Cell CC-3A at 10:05 AM. Odor is intermittent, coming from the northwest. 5. Cell CC-3B is in good order, with no significant ponding water. 6. Bird abatement is in effect above Cell CC-4 Part 1. 7. Cell CC-4 Part 1 is in good order, with minimum ponding water. Three tippers are in operation. ADC is 30% covered with new trash at 10:20 AM. 8. Met with Marco Quen (SCS project superintendent) at the new onsite SCS trailer office. He informed us that Flare 3 is offline. 9. Observed buckling concrete at sediment basin B perimeter drainage channel. 10. A deep erosion rut has formed on slope below Cell CC-3A. 11. Leachate collection tanks (tank farm) are in good order. 12. Water has ponded around tank farm. 13. A large water pond has formed at Cell CC-4 Part 2. 14. Deep erosion ruts have formed on west-facing slope between Cell CC-4 Part 1 and Part 2. 15. Flare 1 is operating at 2431 scfm, 1701 °F. Gas sample measured at 36 % Vol. CH₄, 0.8 % Vol. O₂, 85 ppm H₂S and 67 ppm CO. Gas inlet temperature is at 107 °F. 16. Windspeed measured at 26.9 MPH maximum at 11:25 AM near observation deck. 17. Traffic spotters are onsite to control traffic. 18. Water trucks are applying water throughout site for dust control. 19. Erosion ruts are getting deeper on slope above Flare 1. 20. Street sweepers are cleaning the haul roads. 21. City deck C sage mitigation area is growing well, with several species of bird present. 22. Flare 9 is offline. 23. Flare 10 is operating at 3048 scfm, 1652 °F. Gas sample measured at 46 % Vol. CH₄, 1.1 % Vol. O₂, 52 ppm H₂S and over 500 ppm CO. Gas inlet temperature is at 108 °F. Blowers 1, 2, 3 and 4 are in operation. 24. Flare 11 is undergoing source emissions testing. 25. Drainage channel for sediment basin D has been repaired and cleared. 26. Sediment basin B has standing water across one-quarter of its floor. 27. Terminal basin is in overall good condition, with some sediment accumulated from recent rains. 28. Observed one of the terminal basin's three vertical riser drains being repaired (re-welded) due to a failure during the recent storm event. 29. The terminal basin outlet has fine sediment accumulated in channel. 30. Met with Chris Coyle, Joshua Mills and Tuong-phu Ngo (Republic), and discussed our site monitoring 	

Page: 2 of 2 01-10-2018



observations.

FURTHER REVIEW NEEDED

1. Repair buckling concrete at sediment basin B drainage channel.
2. Eliminate ponding water at tank farm.
3. Eliminate ponding water at Cell CC-4 Part 2.
4. Repair erosion ruts at Cell CC-4 Part 1 and Part 2.
5. Repair erosion ruts above Flare 1.
6. Eliminate ponding water at sediment basin B.
7. Eliminate fine sediment at terminal basin outlet channel.

Signed: *Michael W. Lindsay*

January 30, 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: 1/30/18
Site Conditions: Clear, 45-65°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 7:30 a.m. and there were no landfill odors detected. Met with Mike Lindsay (UltraSystems) and Tarik Hadj-Hamou (SLR), signed in, had a brief meeting with Ricky Dhupar, and proceeded to monitor the site and observed the following:</p> <ul style="list-style-type: none"> Erosion rills on slopes in Cells CC-3A, CC-3B southern side, CC-4A Parts 1 and 2, and the Old City south were in the process of being repaired. All areas where trash was previously exposed have been repaired. There were no liquids odors detected on the CC-3A access road adjacent to the closure turf where a previous landfill liquids spill occurred. There was an area of the slope closure turf that appears to have slid or sunk. The City South landfill soil stockpile area south of the office parking lot has one area that has further subsidence. This area needs to be monitored by Republic. The Old City north deck liquids handling tank farm was operating with liquids being trucked away. Connection to the sewer was not yet completed. The rest of this deck was graded and rain impacts repaired. The CC-3B top deck erosion and drainage gullies were repaired. There were significant erosion rills on the eastern vegetated slopes of CC-3B and CC-3A. The straw wattles were not buried when installed and water flowed under them, creating rills. Basin B was cleared of litter with minimal sediment and standing water. The native hillsides had windblown litter. Wet weather road base and landfill drainage rock was stockpiled on the County top deck along with drainage piping and gas collection piping and materials. The drainage channel along the paved access road to the Flares 9, 10, and 11 site had the outlet plugged. Basin D outlet channel liner leading edge was lifting and had tumbleweed and sediment under the liner. The deck above Basin D still had stockpiles of tree trunks and branches, wood waste and other debris. The portion of the County sage area that was covered with jute netting and hydroseeded held up to the rains with no erosion seen, and were greening up with vegetation. Basin A had sediment and standing water at the outlet risers. There was windblown litter in the back and side native vegetation areas. The gas collection piping to Flare 3 was sliding off its supports and becoming unstable due to the cut hillside sloughing soil. Cells CC-4A Part 1 and 2 were accepting waste. The eastside drainage channel had significant sediment and litter behind channel gabions. 	

Page 2 of 2, 1/30/18:

- Sediment was being piled in the terminal basin for drying to allow for removal. Litter was picked up and bagged for removal. The outlet risers had a concrete base installed to support the I-beam uprights.
- The access road slope near the terminal basin's inlet had additional movement. Republic should monitor this soil movement.
- CC-3B basin's low flow drain is still plugged.

Flare Operating Conditions:

- Flare 1 - 1689°F, 2552 SCFM, -57.89" vacuum, 38.67" out, 36% CH₄, 81 ppm H₂S, 0.8% O₂
- Flare 3 - 2500 SCFM
- Flare 9 - shut down
- Flare 10 - 1641°F, 3976 SCFM, -63" vacuum, 40.2 out
- Flare 11 - 1649°F, 4468 SCFM

The gas-to-energy plant was using 7500 SCFM of recovered landfill gas, 47% CH₄, 1.1% O₂, 58 ppm H₂S. Total gas volume recovered was 20,996 SCFM.

FURTHER REVIEW NEEDED

COMMENTS

Signed: 

**SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT**

Monitor: Mike Lindsay	Page: 1 of 2
Discipline: Environmental Engineer	Date: 01-30-2018 Tuesday
Site Conditions: Cloudy, 63–83 °F, 4–18 mph, 21% RH	
SITE LOG	
<ol style="list-style-type: none"> 1. Met with Jim Aidukas and Tarik Hadj-Hamou (UltraSystems), and checked into office and with Ricky Dhupar (Republic). 2. No liquids odor is present on haul road by closure turf at 8:40 AM. 3. Cell CC-3B and tank farm are in good order. 4. Erosion ruts are present, extending underneath straw wattles, along slopes below Cell CC-3A and east haul road. 5. Cell CC-4A Part 1 & Part 2 are in good order, ready for new trash at 9:00 AM. 6. Cell CC-3A is in good order, with compost spread on top deck. 7. Sediment basin B is in good order, with some orange trash collection bags present in basin. 8. Flare 9 is offline. 9. Water trucks are applying water throughout site for dust control. 10. Flare 10 is operating at 3972 scfm, 1657 °F. Gas sample measured at 47 % Vol. CH₄, 1.1 % Vol. O₂, 58 ppm H₂S and over 500 ppm CO. Gas inlet temperature is at 117 °F. Blowers 1, 2 and 4 are in operation. 11. Flare 11 is operating at 4531 scfm, 1652 °F. 12. Street sweepers are cleaning the haul roads. 13. Sediment basin D drainage channel is clear. 14. Sediment basin D is in good condition. 15. County sage mitigation slopes have erosion ruts at known locations. 16. Some new vegetation growth is present on hydroseeded County slopes. 17. Sediment basin A is in good overall condition, with some ponding water at riser drains. 18. Gas header pipe along sediment basin A has partially slipped off of its supports. 19. Windblown trash has collected on northwest slope of sediment basin A. 20. Cell CC-4 Part 2 is in good order. ADC is 100% covered with new trash at 10:15 AM. 21. Flare 1 is operating at 2534 scfm, 1687 °F. Gas sample measured at 36 % Vol. CH₄, 1.7 % Vol. O₂, 81 ppm H₂S and 84 ppm CO. Gas inlet temperature is at 117 °F. 22. Observed overall landfill operations from observation deck, including Cell CC-4 Part 1, with ADC 40 % covered with new trash at 11:10 AM. 23. Traffic spotters are onsite to control traffic. 24. Met with Chris Coyle, Joshua Mills, Ricky Dhupar and Tuong-phu Ngo (Republic), and discussed our site monitoring observations. 	

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FURTHER REVIEW NEEDED

1. Repair erosion ruts at Cell CC-3A.
2. Eliminate ponding water at sediment basin A.
3. Insure gas header pipe at sediment basin A has secure support.
4. Remove windblown trash at sediment basin A.

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: January 30, 2018
Site Conditions: Sunny and warm	
SITE LOG	
7:00 Met with UltraSystems team members Jim Aidukas and Mike Lindsay, prepare tour of landfill,	
8:20: Sign-up in main office.	
8:10 – 12:00 Site inspection	
<ul style="list-style-type: none"> • Placement of waste in Cell CC4 Phase 1 and Phase 2 • Erosion protection system • Drainage systems (Basins, channels) • Access Roads • Closure Turf on slopes of Cell CC3 • Landfill for geotechnical and hydrological issues 	
Waste Placement in Cell CC4	
<ul style="list-style-type: none"> • Waste Placement in Cell CC4 Phase 1 <ul style="list-style-type: none"> – large area of Enviro™Cover system in place (Photo 1) – Cell was accepting waste (Photo 2) – 3 Tilters were in use • Waste Placement in Cell CC4 Phase 2 <ul style="list-style-type: none"> – cell was accepting waste (Photo 3) – No tilters in use – the collection channel/pond around Cell CC4 Phase 2 is full of water that has been impacted by waste (photo 4) 	
Erosion Protection	
<ul style="list-style-type: none"> • Large areas of the landfill have been hydro seeded and wattles have been installed on the slopes to protect against erosion such as east facing slopes of Cell CC3A. However we noted a fair amount of erosion despite the wattles (Photos 5) with large gullies forming under the wattle, sign of poor installations. • Posi-shell applied to the slopes of Cell CC3 is holding out. we did not notice any new cracks 	
Drainage system	
<ul style="list-style-type: none"> • New temporary unlined earthen basin above Terminal basin <ul style="list-style-type: none"> – Basin is fully excavated and the spillway was cleared. • Basin A <ul style="list-style-type: none"> – Water and sediments have accumulated in basin following recent storm. The volume in the basin does not reduce the overall capacity significantly and is deemed not detrimental to its performance. – The gas header providing gas to Flare 3 is supported on pedestal made with V-notched pieces of HDPE pipe. Some of these pedestals have moved further out of alignment than was noted on December 12, 2017 probably because of expansion/contraction of the pipe leading to ‘snaking’ (Photo 6). We also noted that some soil had sloughed off the hill and 	



<p>was pushing again the pipe (photo 7) further increasing the risk of the header falling into the basin with and associated risk of rupture.</p> <ul style="list-style-type: none"> – the outlets from Basin A observed to be blocked by tumbleweeds on December 12, 2017 have been cleared (Photo 8) – The downstream channel is still used as access road with pipes under earth fill (Photo 9). The capacity of pipes to accept design flow should be checked and flow capacity restored if needed as the accumulation of wet sediments near the pipe intakes indicate clearly that flow is reduced. <ul style="list-style-type: none"> • Basin B <ul style="list-style-type: none"> – Some sediments have accumulated near the outlet (photo 10), but the amount is not significant enough to affect the performance of the basin. • Basin D <ul style="list-style-type: none"> – Clean • Channel between Basin D and access road to Flare 9 and 10. <ul style="list-style-type: none"> – Geomembrane installed in the channel noted in previous visit to be in state of disrepair has been repaired. New sandbags and stakes have been installed (Photo 11). There is still a risk of water flowing between the membrane and the concrete and could create problems in the future – Most of the tumbleweeds and soil in channel noted on December 12, 2017 have been removed • Terminal Basin (Photo 12) <ul style="list-style-type: none"> – all sediments between the skimmers and the mid-basin gabion wall have been removed – removal operations were ongoing for sediment upstream of mid-basin gabion wall – The three skimmers are installed 	
Access roads.	<ul style="list-style-type: none"> • Main access road • the sloughing on the embankment of the access road observed during the previous visits is still there and may have worsened some based on inclining to utility pole (Photo 13)
Closure Turf on slopes of CC3:	<ul style="list-style-type: none"> • The leachate break-out that occurred at access road to the deck of cell CC3 in an area covered with Closure Turf has been repaired, we did not detect any smell
Retaining wall on San Fernando Road:	<ul style="list-style-type: none"> • No comments – are looks clean of sediments
Overall landfill inspection.	<ul style="list-style-type: none"> • no other geotechnical issues than that noted at access road were observed during the visit
12:15- 12:40 Close-out meeting with Republic Staff representative (Joshua Mills, Tuong-Phu Ngo, and Chris Coyle) to discuss findings of visit	
FURTHER REVIEW NEEDED	

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COMMENTS

- Photo 14 shows an overview of Cell CC4 Phase 1 (on the right) and Phase 2 (on the left). Drainage from the slopes between Phase 1 and Phase 2 may flow over part of Phase 1, likewise water flowing from the back on Phase 2 may enter in contact with the waste. This impacted water which will end-up in the collection trench/pond around Phase 2 will have to be treated.
- Should the landfill be hit by a large storm this could result in large volumes of water to treat. Republic should task his consultant into looking at possibilities to install diversion berms or ditches along the roads and at toe of slopes to direct clean stormwater away from the waste face.

Signed:

A handwritten signature in blue ink, appearing to read "H. Hoffman", is written over a light blue horizontal line.

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Photo 1: ADC Cell CC4 Phase 1



Photo 2: Waste Disposal in Cell CC4 Phase 1



Photo 3: Waste Disposal in Cell CC4 Phase 2



Photo 4: Water Channel Collection and Pond at Cell CC4 Phase 2



Photo 5: Gullies on Hydro seeded Slope – Note Gullies Under Wattles



Photo 6: Leaning Supports of LFG Header to Flare 3 in Basin A

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Photo 7: Sloughed Soil and Pushing Against f LFG Header to Flare 3 in Basin A



Photo 8: Cleaned up Drain Pipes of Basin A



Photo 9: Sediments Accumulation Downgradient from Basin A – Pipes do not offer enough flow capacity



Photo 10: Sediments Accumulated in Basin B



Photo 11: Repaired and Re-attached Geomembrane in Shotcrete Channel between Basin D and Access Road to Flare 9 and 10



Photo 12: Condition at Terminal Basin

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Photo 13: Sloughing Tilted Utility Pole on Embankment of Main Access Road near Entrance of Terminal Basin



Photo 14: Overview of Cell CC4 and Watershed areas Onto Phase 2

February Site Visits

February 20, 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: 2/20/18
Site Conditions: Clear, 45-65°F, 5-20 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 planned the monitoring sequence. Signed in, met with Vu Truong (LACDPW), and proceeded to monitor the site and observed the following:</p> <ul style="list-style-type: none"> • Erosion rills on the slopes above and into the CC-3B basin. There were no lined slope drainage downcomers in this area. The basin low flow drain was plugged with sediment. • The City South landfill soil stockpile area south of the office parking lot has an area with subsidence. This area was noted for approximately six months. Any movement in this area should be monitored by Republic's geotechnical consultant. • CC-4A Part 1 and Part 2 were active and accepting waste. • Slopes with erosion rills at the back of Cells CC-4A Parts 1 and 2 were sprayed with Posi-Shell to control erosion. • HDPE lined downcomer channels were installed on the CC-3A slopes in two areas. • Dust clouds were observed coming from the Old City North top deck, CC-3B top deck, and the County top deck. Landfill service roads were not watered or treated for dust control and traffic would cause large dust clouds. • The CC-3A dirt slope where it meets the Closure Turf has deep erosion rills due to no lined downcomer channel. • The Closure Turf was being maintained and no gas or liquids odors or other problems were observed. • A portion of the eastern facing CC-3A slopes with wattles and hydroseed had the prior noted (on 1/30 monitoring) erosion rills repaired. Vegetation was germinating with slope starting to green up. Other similar vegetated slopes, as one proceeds toward the County top deck, erosion impacts were not repaired. • Gas well drilling was being done on the top deck of CC-3B. • Construction was active on the Old City North top deck completing the new leachate handling system and the double wall piping to the sewer connection at San Fernando Road. • Hydroseeded top deck of CC-3A and the area north on the County area were showing signs of seed germination and vegetation growth. This area was being irrigated. No compost odor was detected. Areas of faint and random frequency gas surface emissions were detected near the irrigation water tank. • The Old City South landfill had two HDPE downcomers channel repaired and one new one installed. Dust clouds were observed coming from prior dozer worked areas. • The Posi-Shell was being maintained and no gas emissions or odors were detected in this area. 	

Page 2 of 2, 2/20/18:

- Basin B had minimal sediment with only a small area of standing water. The native hillsides had the windblown litter removed.
- The Basin D outlet concrete channel just out of the basin has approximately six inches thick sediment for approximately 30 feet with vegetation growing in it. The inlet to the Basin D lined channel has sediment and tumbleweed under the leading edge of the HDPE liner.
- The tree trunks and wood waste stockpiled adjacent to Basin D is being removed and processed.
- Basin D is free of sediment and dry. The westside outlet high flow spillover's concrete sidewall is cracked and should be epoxy sealed.
- The portion of the County sage area that was covered with jute netting and hydroseeded were greening up with vegetation. This is approximately 25% of the sage area. The remaining area has deep erosion rills and sediment accumulated in the westside channel below the rills.
- Basin A was dry and had sediment near the outlet riser. The gas header to Flare 3 was moved back onto the flat area of the basin's sidewall. A minimal amount of soil was spilled into the basin moving the header. Windblown litter was observed in the north hillside and west basin back native vegetation.
- No sage maintenance was done in the Deck C area. A new monitoring trailer was being installed.
- No sage planting was done in Deck B. All preliminary grading has been done.

Flare Operating Conditions:

- Flare 1 - 1702°F, 2416 SCFM, -57.8" vacuum, 30.76" out, 36% CH₄, 85 ppm H₂S, 0.6% O₂
- Flare 3 - 1682°F, 2010 SCFM, -73" vacuum, 38.5" out, 47% CH₄, 29 ppm H₂S, 1.7% O₂
- Flare 9 - 1691°F, 3387 SCFM, -68" vacuum, 39" out
- Flare 10 - shut down
- Flare 11 - 1643°F, 2860 SCFM


The gas-to-energy plant was using 9643 SCFM of recovered landfill gas, 45% CH₄, 1.6% O₂, 46 ppm H₂S. Total gas volume recovered was 20,316 SCFM.

FURTHER REVIEW NEEDED

COMMENTS

Signed: 

**SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT**

Monitor: Mike Lindsay	Page: 1 of 1
Discipline: Environmental Engineer	Date: 02-20-2018 Tuesday
Site Conditions: Clear, 46–57 °F, 8–18 mph, 23% RH	
SITE LOG	
<ol style="list-style-type: none"> 1. Met with Jim Aidukas (UltraSystems), and checked into office and with Peggy (Republic). 2. Met with Vu Truong (LACDPW). 3. Closure turf is in good order, with no odors present below Cell CC-3A at 9:20 AM. 4. Hydroseeded slopes with straw wattles below Cell CC-3B are beginning to green with vegetation. 5. Deep water erosion rills have been repaired on west slope of Cell CC-3A. 6. No compost odor is present on top deck of Cell CC-3A at 10:05 AM. 7. Well drilling equipment is active on Cell CC-3B. 8. Vegetation is beginning to grow on hydroseeded top deck of Cell CC-3A. 9. Working area at Cell CC-4 Part 1 is in good order, including three tippers. ADC is 100% covered with new trash at 10:30 AM. 10. Irrigation sprinklers are watering hydroseeded slopes on north side of County top deck at 10:35 AM. 11. Traffic spotters are onsite to control traffic. 12. Sediment basin B is in good order, with no ponding water. 13. Water trucks are applying water throughout site for dust control. 14. Flare 9 is operating at 2364 scfm, 1611 °F. Gas sample measured at 45 % Vol. CH₄, 1.6 % Vol. O₂, 46 ppm H₂S and 375 ppm CO. Gas inlet temperature is at 111 °F. Blowers 1, 2 and 4 are in operation. 15. Flare 10 is offline. 16. Flare 11 is operating at 2399 scfm, 1625 °F. 17. Sediment basin D is in good condition. 18. Sediment basin D drainage channel is clear. 19. Woodpile near storage area is being removed. 20. County sage mitigation area hydroseeded slopes are beginning to green with vegetation. 21. Sediment basin A is in good condition, with no ponding water. 22. Windblown trash continues to collect on northwest slope of sediment basin A. 23. Flare 3 is operating at 2026 scfm, 1697 °F. Gas sample measured at 47 % Vol. CH₄, 1.7 % Vol. O₂, 29 ppm H₂S and 332 ppm CO. 24. Flare 1 is operating at 2419 scfm, 1679 °F. Gas sample measured at 36 % Vol. CH₄, 0.6 % Vol. O₂, 85 ppm H₂S and 286 ppm CO. Gas inlet temperature is at 109 °F. 25. Street sweepers are cleaning the haul roads. 26. 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. Remove windblown trash at sediment basin A. 	
Signed: 	

March Site Visits

March 14, 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: 3/14/18
Site Conditions: Clear, 50-60°F, 5-15 MPH winds	
SITE LOG	
<p>Republic General Manager - Chris Coyle</p> <p>Drove the Granada Hills neighborhood areas from 6:15 to 7:15 a.m. and there were no landfill odors detected. Met with Mike Lindsay (UltraSystems) and Tarik Hadj-Hamou (SLR). Signed in, met with Vu Truong (LACDPW), and proceeded to monitor the site and observed the following:</p> <ul style="list-style-type: none"> • At 8:45 a.m., packer trucks were lining up at the scales. Areas CC-4 Parts 1 and 2 were ready for accepting waste. • Water was seen flowing in the westside drainage channel from prior rain events. Pondered water was observed in the CC-4 Part 2 lined channel. The water was not currently being pumped. The water topped the lined channel on the northern and western sides. A pond of water was observed at the base of the west-facing stockpile soils slope in CC-3A. • There was additional settlement in the City South Landfill soil stockpile area south of the office parking lot. • Rainwater was flowing into the terminal basin from the east and west channels. There was a significant amount of sediment. The skimmers were not being operated and standing water was approximately 12" from topping the solid portion of two of the outlet risers. Debris was floating near the eastern basin wall. There was minor sediment in the outlet channel. The eastern exterior wall was free of debris. • The concrete walkway along the terminal basin's south top access has lifted approximately six inches, possibly due to soil expansion and has pushed the concrete fence foundation out of the ground. The walkway has also moved upward. • The sloughing of soil on the main access road slope near the terminal basin has increased since the last monitoring. Republic geotechnical consultants should monitor this area. • There was illegally dumped trash and a couch observed on Sierra Highway north of the I-14 overpass. • The frontage retaining wall along San Fernando Road had some hillside soil sloughing with areas of the wall's top fence with soils and rock piled against it. Soils were also observed accumulating in front of the wall and along the curb. The v-ditch drains were plugged with soil. • The main access road had areas of roadway settling and pavement cracking. • Basin CC-3B had a significant amount of sediment. There was water ponding and the low flow drain was slowly draining. There was minimal erosion near the closure turf and soil interface. • The v-ditch concrete channel on the slope above the Flare 1 site was plugged with soil and blocked by vegetation. This channel was not functioning. 	

Page 2 of 2, 3/14/18:

- There was a significant amount of slope erosion at the western and eastern edges of the closure turf soil interface. The closure turf had no apparent impact. The sand on the turf was washed away in some areas and observed in the terminal basin. The hydroseeded slopes above the closure turf had significant erosion rills.
- The Posi-Shell covered areas had erosion rills where uncontrolled slope drainage occurred. Some areas were already repaired.
- CC-4 Part 1 was accepting waste; Part 2 was not operating.
- There were localized liquid odors around the well 2133 and adjacent soil areas.
- Basin B had standing water and sediment. There was a minor amount of water draining. There was a slight amount of wind-blown litter in the back slope native vegetation.
- Gas well drilling was occurring in Cell CC-3A.
- The hydroseeded eastern County top deck and slopes (County Bowl) had significant erosion rills. Only minor germination and vegetation growth occurred.
- The Basin D outlet had minor sediment and tumbleweed. The channel appeared to have performed well in the rain event.
- Basin D was free of sediment and dry. The wood pile on the adjacent deck was being removed.
- The County sage area that was hydroseeded had germination and vegetation was growing. The jute netting performed well. The area not covered with jute netting had increase erosion and soil sloughing into the westside drainage channel.
- Basin A had sediment and standing water. Minimal draining was occurring due to sediment blockage. The outlet channel had significant blockage of the drainage pipes under the temporary access road.

Flare Operating Conditions:

- Flare 1 - 1676°F, 2389 SCFM, -57.75" vacuum, 38.60" out, 36% CH₄, 85 ppm H₂S, 0.7% O₂
- Flare 3 - not accessible due to wet road
- Flare 9 - 1670°F, 3264 SCFM, -63.01" vacuum, 39.81" out
- Flare 10 - shut down
- Flare 11 - 1666°F, 3287 SCFM

The gas-to-energy plant was using 9706 SCFM of recovered landfill gas, 43% CH₄, 1.2% O₂, 55 ppm H₂S. Total gas volume recovered (without Flare 3 volume) was 18,646 SCFM.

FURTHER REVIEW NEEDED

COMMENTS

Signed:



**SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT**

Monitor: Mike Lindsay	Page: 1 of 2
Discipline: Environmental Engineer	Date: 03-14-2018 Wednesday
Site Conditions: Partly Cloudy, 49–61 °F, 3–13 mph, 81% 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 Vu Truong (LACDPW). 3. Terminal basin has 2 to 4 feet of sediment accumulated from recent rains. 4. Ponding water is covering all of the lower terminal basin. Waterline is 2 feet from top of riser drains. 5. Skimmer system at terminal basin is raised 3 feet above waterline, with no drainage occurring. 6. Outlet drainage for terminal basin is in good condition, with little sediment present. 7. Trash and debris has accumulated in the northwest corner of terminal basin, and is floating on the water's surface. 8. North slope of main haul road near terminal basin has soil sloughing at known location. 9. Illegally dumped couch and debris is present on Sierra Highway by the I-14 overpass. 10. Retaining wall by landfill entrance has soil sloughed into drainage ditch. 11. Ponding water is present at low-flow drainage for Cell CC-3B sediment basin, with soil blocking drain. 12. Flare 1 is operating at 2386 scfm, 1697 °F. Gas sample measured at 36 % Vol. CH₄, 0.7 % Vol. O₂, 85 ppm H₂S and 102 ppm CO. Gas inlet temperature is at 102 °F. 13. Observed overall landfill operations from observation deck, including Cell CC-4 operations. 14. Water trucks are applying water throughout site for dust control. 15. East slopes of Cell CC-3A are in good condition after recent rains. 16. Traffic spotters are onsite to control traffic. 17. Working area at Cell CC-4 Part 1 is in good order, including three tippers. ADC is 100% covered with new trash at 11:40 AM. 18. Cell CC-4 Part 2 is not operating today at 11:50 AM. 19. Drilling rig is operating on west side of Cell CC-3A. 20. Sediment basin B has ponding water over 40% of basin. 21. Flare 10 is offline. 22. Flare 9 is operating at 3344 scfm, 1655 °F. Gas sample measured at 43 % Vol. CH₄, 1.2 % Vol. O₂, 55 ppm H₂S and over 500 ppm CO. Gas inlet temperature is at 132 °F. Blowers 1, 2, 3 and 4 are in operation. 23. Flare 11 is operating at 3311 scfm, 1642 °F. 24. Sediment basin D drainage channel has some sediment and tumbleweeds present. 25. Storage area is in good order. 26. Woodpile near storage area continues to be removed. 27. Sediment basin D is in good condition after the recent rains. 28. Gas monitoring probe number 207 at back of storage area is locked with a red padlock. 29. Sediment basin A has ponding water over 60% of basin. 30. Ponding water is present at base of Cell CC-4 Part 2. 	

Page: 2 of 2 03-14-2018



31. Street sweepers are cleaning the haul roads.
32. Met with Joshua Mills and Tuong-phu Ngo (Republic), and discussed our site monitoring observations.

FURTHER REVIEW NEEDED

1. Eliminate ponding water at terminal basin.
2. Remove windblown trash at terminal basin.
3. Repair sloughing soil at north slope of main haul road near terminal basin.
4. Remove dumped couch and debris along Sierra Highway.
5. Remove soil from retaining wall by landfill entrance.
6. Clear low-flow drainage at Cell CC-3B sediment basin.
7. Eliminate ponding water at Cell CC-3B sediment basin.
8. Eliminate ponding water at sediment basin B.
9. Eliminate ponding water at sediment basin A.
10. Eliminate ponding water at base of Cell CC-4 Part 2.

Signed:

Michael W. Lindsay



SUNSHINE CANYON LANDFILL

MITIGATION MONITORING SITE REPORT

Monitor: Tarik Hadj-Hamou, Ph.D., P.E.	PAGE 1 OF 15
Discipline: Civil – Geotechnical and Hydrology	Date: March 13, 2018
Site Conditions: Partly cloudy and cool	
SITE LOG	
7:00 Met with UltraSystems team members Jim Aidukas and Mike Lindsay, prepare tour of landfill,	
8:20: Sign-up in main office. meet with Vu Truong of the Los Angeles County Department of Public Works	
8:30 – 2:00 Site inspection	
<ul style="list-style-type: none"> • 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 	
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 (Photo 1) – 2 Tilters were in use • Cell CC4 Phase 2 <ul style="list-style-type: none"> – cell was NOT accepting waste – No tilters in use – the collection channel/pond around Cell CC4 Phase 2 is full of water and some refuse by waste (photo2) 	
Erosion Protection Systems	
<ul style="list-style-type: none"> • Large areas of the landfill have been hydro seeded and wattles have been installed on the slopes to protect against erosion such as east facing slopes of Cell CC3A. The site has held quite well during last storm • We noted some erosion gullies on the downstream face of the embankment of the earthen basin at Cell CC3 (Photos 3). • Posi-shell applied to the slopes of Cell CC3 is holding out. We did not notice any new cracks since the January visit 	
Drainage System	
<ul style="list-style-type: none"> • Terminal Basin <ul style="list-style-type: none"> – site visit followed a rain event, therefore there were sediments in the basin accumulated against the separators gabion walls (Photo 4) – Water was approximately 1 ft. below the top of the drain towers (Photo 5) – We observed that some of the sediment was coarse sand probably from the hydro turf (Photo 6). If large amounts of sand end-up in the basin after each storm, it may be prudent 	



to talk to the manufacturer of Closure Turf about the possible consequence on the durability of the material. If the quantities are considered inconsequential then the loss of sand is a non-issue

- The three skimmers are raised
- Basin A
 - Water and sediments have accumulated in basin following recent storm. The volume in the basin does not reduce the overall capacity significantly and is deemed not detrimental to its performance (Photo 7)
 - Although the rock pile around the risers appears to be totally clogged with fine sediments, impeded water flow, there was a low flow through the weep holes of the two risers (Photo 8)
 - 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 (photo 9) However, with warmer days coming 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.
 - The downstream channel is still used as access road with pipes under earth fill (Photo 10). However, it appears that the capacity of the pipes accommodated the flow out of the basin. Capacity should be checked for the full flow capacity of the drainage channel should a large storm occur. Some sediments were observed in channel, probably erosion from slopes on south side of the channel.
- Basin B
 - Water has accumulated near the outlet (photo 11), but is flowing through weepholes in the riser as seen in the concrete channel downstream from the basin (photo 12),
 - the amount of accumulated sediment is not significant enough to affect the performance of the basin.
- Basin D
 - Clean
- Channel between Basin D and access road to Flare 9 and 10.
 - Geomembrane installed in the channel reinforced with new sandbags and stakes has fared fairly well during the last storm.
 - Sediment and debris have accumulated near the exit of one of the culvert (Photo 13) and should be cleaned
 - Note that there is still a risk of water flowing between the membrane and the concrete which could create problems in the future
- Drainage ditch along access road to Flare 9-11
 - Sediments and debris have accumulated over drainage grill blocking path for water (Photo 14)
- Earthen basin near Cell CC3
 - the basin is cleaned and available for storage
 - water flows into a drainpipe daylighting on the spillway. However, the pipe does not have a trash guard (Photo 15) to protect refuse and large debris to making their way into the Terminal Basin

Access Roads.

- Access road to administration pad
 - A slump (Photo 16) was observed near the end of the road on the hill on south side of the road (area circled in blue on Figure 1). Based on historical photographs posted on Google




<p>Earth it appears the area that slumped is a soil stockpile. There are no gas collection system or drainage features on the slope that could be affected by soil movement. We did not observe any cracks or bulges on road or curbs.</p> <ul style="list-style-type: none"> • Main access road <ul style="list-style-type: none"> – The sloughing on the embankment of the access road observed during the previous visits is still there and does not seem to have worsened since our last visit (January 30, 2018) based on the inclination of utility pole (Photo 17) • Access road to Flare 3 was not observed • Access road at Flare 19-10 was not observed
<p>Closure Turf on slopes of CC3:</p> <ul style="list-style-type: none"> • Closure turf has performed well during the last storm. <ul style="list-style-type: none"> – As noted and observed in Terminal Basin, sand has been washed away from the slopes. – Republic should check with Watershed Geosynthetics if there is cause for concern if large volumes of sand end up in the basin after each storm.
<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 (Photo 18) 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>Other observations</p> <ul style="list-style-type: none"> • The joint between the slab on the inside face of the terminal basin and the slab on the crest are separated and grass is growing through the gap (Photo 19). The gap is not indication of any potential damage to the basin but the gap should be filled up with an elastomeric compound that can accommodate minor movement (thermal expansion) and preclude water form infiltrating into the earthen fill under the concrete slabs. • The shotcrete channels installed on the hills side above Flare 1 are in disrepair: <ul style="list-style-type: none"> – Undermined (Photo 20) – filled with sediments and vegetation (Photo 21) – cracked (Photo 22)
<p>2:00- 2:30 Close-out meeting with Republic Staff representative (Joshua Mills, Tuong-Phu Ngo, and Chris Coyle) to discuss findings of visit</p>
<p>FURTHER REVIEW NEEDED</p>
<p>COMMENTS</p>
<p>The wall along San Fernando should be monitored and when soil starts to accumulate against the fence it should be removed if this can be done safely.</p>
<p>Signed:</p> 



Photo 1 : Waste placement at Cell CC4



Photo 2: Water and refuse in lined collection area around Cell CC4 Phase 2



Photo 3: Erosion on upstream face of earthen basin embankment at Cell CC3



Photo 4: Sediments in Terminal Basin Upstream of Gabion Wall

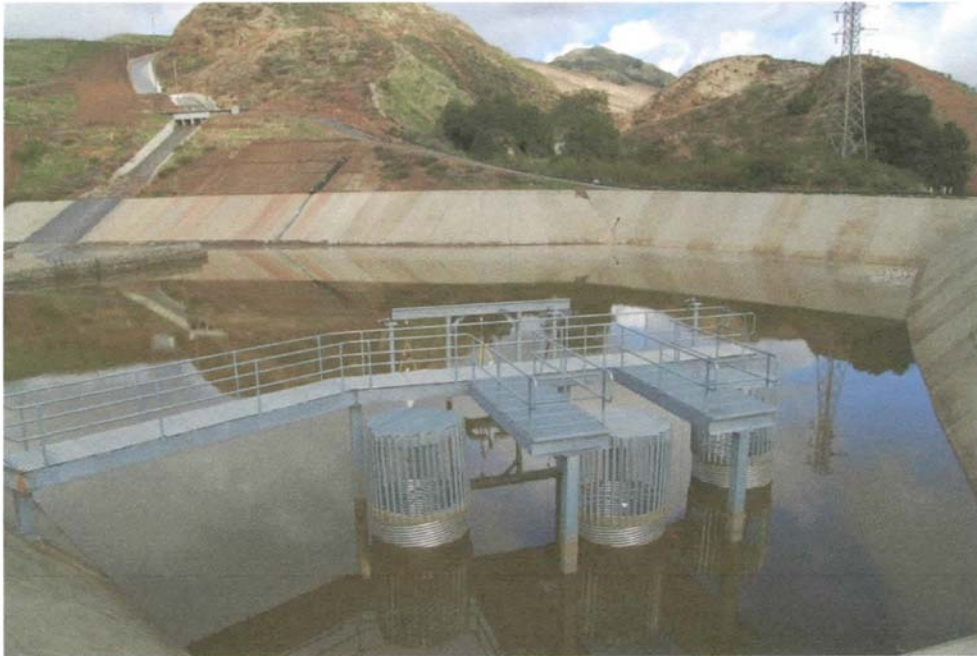


Photo 5: Water Accumulation in Terminal Basin



Photo 6: Coarse Sand Observed in Sediments in Terminal Basin



Photo 7: Stormwater Accumulation in Basin A



Photo 8: Stormwater Draining through Weepholes in Risers in Basin A



Photo 9: Leaning Supports of LFG Header to Flare 3 in Basin A



Photo 10: Sediments Accumulation Downgradient from Basin A – Pipes may not offer enough flow capacity



Photo 11: Water accumulated in Basin B



Photo 12: Water draining out of basin B in concrete channel



Photo 13: Sediment and debris on geomembrane lined channel between Basin B and Basin D



Photo 14: Blocked drainage ditch along access road to Flare 9-11



Photo 15: Unguarded intake to drain pipe in earthen basin at Cell CC3



Photo 16: Slump near Administration Pad



Figure 1: Area along Access Road to Administration Pad with Slump



Photo 17: Sloughing and Tilted Utility Pole on Embankment of Main Access Road near Entrance of Terminal Basin



Photo 18: Soil in drainage swale on top of wall along San Fernando Road



Photo 19: Gap between slabs at Terminal Basin



Photo 20: Undermined drainage channel on hillside near Flare 1



Photo 21: Sediment and vegetation in drainage channel on hillside near Flare 1



Photo 22: Cracks in drainage channel on hillside near Flare 1

March 29, 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: 3/29/18
Site Conditions: Clear, 50-80°F, 0-10 MPH winds	
SITE LOG	
<p>Republic General Manager - Chris Coyle</p> <p>Drove the Granada Hills neighborhood areas from 6:15 to 7:15 a.m. and there were no landfill odors detected. Met with Mike Lindsay (UltraSystems) and planned the monitoring sequence. Signed in, briefly met with Josh Mills, and proceeded to monitor the site and observed the following:</p> <ul style="list-style-type: none"> • Drove the Granada Hills school area at 7:45 and no landfill odors were detected. • Drove the Rancho Cascades neighborhood and no landfill odors were detected. • Illegal dumping was observed on Sierra Highway near the I-14 overpass. A door and wood debris was seen on San Fernando Road, south of the Jenson Filtration Plant entrance. • Illegal dumping of soil, rock, and debris was observed on the road's shoulder along with approximately 15 tires under the I-5 overpass on San Fernando Road. This is outside of Republic's clean-up area. City of Los Angeles illegal dumping services should be notified (311). • The terminal basin had a significant amount of sediment. Water was being retained to drop out sediment. Approximately 75-80% of the basin was covered with water. There was debris floating in the water near the eastern wall. One skimmer was in operation to release sediment-free water. The water level was within one foot of topping the outlet riser. There was a minimal amount of water flowing into the basin from the westside drainage system. • There were additional areas of soil sloughing on the main access road's northern supporting slope near the terminal basin's entrance. • The Closure Turf had no apparent problems. There were no gas emission/odors issues. The erosion that was observed on the western and eastern edges of soil slopes on the prior monitoring was repaired. • The Posi-Shell covered areas that were impacted from prior rain event runoff erosion were being repaired. There were a minimal amount of areas not repaired. No gas odors were detected. • There was ponded water in the tank farm HDPE-lined berm area. • The gas recovery system at the leachate tank farm was not recovering all the vapors. When tanks 1069 and 1081 were receiving liquid, there was a strong localized vapor odor near these tanks. The vapor recovery needs to be increased when filling tanks. Automation of increasing the vacuum during filling should be considered. • Old City South erosion was repaired and vegetation was greening up and doing well. • The top deck of Cell CC-3A hydroseeded area had minimal germination and vegetation growth. The east -facing slopes were getting good vegetative cover. 	

Page 2 of 2, 3/29/18:

- Down-slope from well 2085 and the tote container and north of GW-3009D, there was a strong odor that carried for approximately 75 feet. There possibly was a prior liquids spill. The soil surface was treated with a hard polymer-type coating. The odor was being controlled to a localized area. Odor abatement by soil removal should be considered.
- Basin B had standing water covering approximately 40% of the basin. There was an average amount of sediment for this time of year. There was no discharge of water. The native vegetation hillsides had some wind-blown litter.
- The County top deck and slopes (County bowl) had minimal germination of the hydroseeding. The area had deep erosion rills.
- 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 was approximately 80% removed.
- Basin A had a significant amount of sediment and standing water. The outlet risers were plugged with sediment and no water was flowing out.
- The City Deck B sage mitigation area was staked and ready for final contouring, seeding, and planting.
- The Deck C sage mitigation area was doing well. Non-native removal and cut-back of salt bush in some areas should be done soon.
- Cell CC-4 Part 1 and Part 2 were accepting waste.

Flare Operating Conditions:

- Flare 1 - 1692°F, 2337 SCFM, -57.51" vacuum, 38.64" out, 37% CH₄, 89 ppm H₂S, 0.7% O₂
- Flare 3 - not accessible due to wet road
- Flare 9 - 1657°F, 3555 SCFM, -63.8" vacuum, 41.48" out
- Flare 10 - shut down
- Flare 11 - 1651°F, 3536 SCFM

The gas-to-energy plant was using 9156 SCFM of recovered landfill gas, 46% CH₄, 1.4% O₂, 64 ppm H₂S. Total gas volume recovered (without Flare 3 volume) was 16,247 SCFM.

FURTHER REVIEW NEEDED

COMMENTS

Signed: 

**SUNSHINE CANYON LANDFILL
MITIGATION MONITORING SITE REPORT**

Monitor: Mike Lindsay	Page: 1 of 2
Discipline: Environmental Engineer	Date: 03-29-2018 Thursday
Site Conditions: Clear, 52–80 °F, 2–10 mph, 48% 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. No odors are present in adjacent neighborhood or school at 7:40 AM. 3. No odors are present at the Rancho Cascades neighborhood at 7:55 AM. 4. Illegally dumped debris is present on Sierra Highway by the I-14 overpass. 5. Illegally dumped truck tires are present on San Fernando Road by the I-5 overpass. 6. Ponding water is covering 80% of the lower terminal basin. Waterline is within one foot from top of riser drains. 7. One of the three skimmers at terminal basin is draining clean water from basin. 8. Water trucks are applying water throughout site for dust control. 9. Outlet drainage for terminal basin is in good condition, with little sediment present. 10. Trash and debris has accumulated around the riser drains of terminal basin, and is floating on the water's surface. 11. North slope of main haul road near terminal basin has additional soil sloughing at known location. 12. Flare 1 is operating at 2337 scfm, 1692 °F. Gas sample measured at 37 % Vol. CH₄, 0.7 % Vol. O₂, 89 ppm H₂S and 80 ppm CO. Gas inlet temperature is at 119 °F. 13. City deck B has been cleared for revegetation. 14. City deck C sage mitigation area is growing well after recent rains. 15. PM-10 berm oak trees are growing well. 16. Leachate odor is present near tank number 69 at tank farm. 17. Traffic spotters are onsite to control traffic. 18. East hydroseeded slopes of Cell CC-3A are greening after recent rains. 19. Bird abatement is operating near Cell CC-4 Part 1. 20. Cell CC-3B is in good working order. 21. Drilling rig is operating on north base of Cell CC-3A. 22. Cell CC-4 Part 1 working area is in good order, including three tipplers. 23. A strong liquid odor is present along roadway below north slope of Cell CC-3A near well 3009D. 24. Sediment basin B is in good overall condition, with some ponding water. 25. Flare 10 is offline. 26. Flare 9 is operating at 3565 scfm, 1667 °F. Gas sample measured at 46 % Vol. CH₄, 1.4 % Vol. O₂, 64 ppm H₂S and over 500 ppm CO. Gas inlet temperature is at 133 °F. Blowers 1, 2, 3 and 4 are in operation. 27. Flare 11 is operating at 2582 scfm, 1662 °F. 28. County top deck is in good order. 29. Sediment basin D drainage channel is in good condition. 30. Sediment basin A has ponding water over 60% of basin. 31. Sediment basin A drainage channel has almost no drainage occurring due to sediment blocking the rock berm at riser drains. 	

Page: 2 of 2 03-29-2018



32. Cell CC-4 Part 2 working area is in good order, including one tipper.
33. Woodpile near storage area continues to be removed.
34. Street sweepers are cleaning the haul roads.
35. Met with Joshua Mills and Tuong-phu Ngo (Republic), and discussed our site monitoring observations.

FURTHER REVIEW NEEDED

1. Remove dumped debris along Sierra Highway.
2. Remove dumped tires along San Fernando Road.
3. Eliminate ponding water at terminal basin.
4. Remove windblown trash at terminal basin.
5. Repair sloughing soil at north slope of main haul road near terminal basin.
6. Eliminate leachate odor from tank farm area.
7. Eliminate liquids odor near well number 3009D.
8. Eliminate ponding water at sediment basin A.

Signed: *Michael W. Lindsay*

Appendix IV

Meeting Logs

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

January 10, 2018

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

Attendees:

Gladys Gallardo, LACDPW
James Aidukas, UltraSystems
Mike Lindsay, UltraSystems



Discussion:

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

- a. James Aidukas stated that ponding water is an issue throughout site, especially at Cell CC-4 Part 2.
 - o Joshua Mills stated that they are pumping the water from the Part 2 drainage channel into trucks and sewerage it. The side slopes had rainstorm-caused erosion, exposing trash.
- b. James Aidukas stated that there were significant erosion rills on the northern slopes northeast of the top deck of Cell CC-3A.
 - o Joshua Mills stated that they are looking into a solution to better control the erosion and the impacts to the area that is being revegetated.
- c. James Aidukas stated that we observed that there was a large pond of rainwater in the landfill liquids tank farm berm area.
 - o Joshua Mills stated that they were going to pump the liquids out today and that the liquids will be sewerage.
- d. James Aidukas stated that we observed that sediment was discharged into the terminal basin outlet channel during the prior rain storm.
 - o Joshua Mills stated that a support on a new skimmer outlet riser broke during the rainstorm. The RWQCB was notified of the discharge and the water was sampled and sent for analysis. The lab results will be sent to them when results are available.
- e. James Aidukas stated that the San Fernando Road retaining wall that was recently cleaned had soil and rocks slough from the hillside slope and filled portions of the wall's drainage channel. The top of the wall will need to be cleaned again. An application of a surface coating on the slope's soil should be investigated.
 - o Joshua Mills stated that they will analyze what is occurring and will evaluate options and find a solution.
- f. James Aidukas stated that the total volume of landfill gas being recovered today was 18,361 SCFM.
 - o Joshua Mills acknowledged the statement.

- g. Mike Lindsay stated that there was a strong odor detected coming from the north when we were on the top deck of Cell CC-3A.
 - Tuong-phu Ngo stated that that odor was probably from compost material being used to condition the soil for the revegetation project.
- h. James Aidukas stated that unvegetated slopes throughout the site had erosion rills and areas of soil sloughing.
 - Joshua Mills stated that they are aware of the problem, and are getting those areas repaired.
- i. James Aidukas stated that a Republic packer truck had litter blowing out of the top of the truck as it was driving up the main access road.
 - Joshua Mills stated that they will notify operations.
- j. James Aidukas stated that the eastside concrete drainage channel south of Basin B had a wall buckling.
 - Joshua Mills stated that they will check all of the drainage channels and make note of areas that need repair.
- k. James Aidukas asked what the rainfall totals were in the last two days.
 - Chris Coyle stated that they received 3.16 inches in three hours but did not know any totals.

The meeting was then adjourned.

January 30, 2018

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

Attendees:

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 asked what the liner tear was, as noted in the LEA report.
 - Chris Coyle stated that it occurred at Cell CC-4 Part 2 on the back slope transition, and that it was a tear caused by a bulldozer moving soil. It was immediately uncovered and repaired.
- b. Tarik Hadj-Hamou stated that we observed that the terminal basin was already being cleared of sediment.
 - Joshua Mills stated that they were taking advantage of the dry weather conditions.
- c. Tarik Hadj-Hamou stated that the sediment basin D drainage channel has been cleared of tumbleweed and sediment and that the channel liner was fastened and supported at the top of the channel wall by stakes and sandbags. The leading edge of the channel liner, however, was not fastened down and had debris under it.
 - Chris Coyle acknowledged the statement.
- d. Tarik Hadj-Hamou stated that the landfill gas header pipe along the top of the sediment basin A south sidewall has moved due to soil sloughing and could be unstable.
 - Chris Coyle stated that the CC-4A Part 3 buttress now pending the County's approval has the gas pipeline relocated in soil. The current location is temporary.
- e. James Aidukas stated that the back slope of Cell CC-4 Part 2 could have a drainage issue.
 - Chris Coyle stated that they will look at the drainage design for this area.
- f. James Aidukas stated that the only odor detected today was that of a compost odor from the area north of the top deck of CC-3A.
 - Chris Coyle acknowledged the statement.
- g. James Aidukas stated that the total volume of landfill gas being recovered today was 20,996 SCFM.
 - Joshua Mills acknowledged the statement.
- h. James Aidukas stated that the old low-point leachate sump pump was turned off at the control panel.
 - Joshua Mills stated that the pump noted was obsolete, and has been replaced with a new sump pump system.

- i. James Aidukas asked if design calculations were performed for the secondary containment berm at the tank farm.
 - o Joshua Mills stated that the bermed area was greater than one tank capacity, as required.
- j. Mike Lindsay stated that windblown trash was observed on the native hillsides of sediment basin B.
 - o Chris Coyle stated that when the wind settles they will remove the litter.

The meeting was then adjourned.

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

February 20, 2018

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

Attendees:

Vu Truong, LACDPW
James Aidukas, UltraSystems
Mike Lindsay, UltraSystems



Discussion:

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

- a. James Aidukas stated that oxygen levels in the recovered landfill gas at Flare 9 through 11 and the gas-to-energy facility was fluctuating from 2.5% to 4.5% this morning.
 - o Joshua Mills stated that work was being completed on the gas collection system and final tie-ins to the main header were being made today.
- b. James Aidukas stated that the total volume of landfill gas being recovered today was 20,316 SCFM. He asked what the status was on expanding the existing gas-to-energy facility or using the gas for other renewable uses.
 - o Joshua Mills stated that he did not know the status of the discussion with Sunshine Gas Producers and that he will talk with Chris Coyle for an update regarding gas reuse plans.
- c. James Aidukas stated that we observed an area on the Closure Turf slope that's just above the main access road that appeared to have a half-moon image or depression.
 - o Joshua Mills stated that was an area that the turf slipped and had a wrinkle. The turf was removed, repaired, and reinstalled..
- d. James Aidukas asked what the new deep cut was on the Old City South landfill north-facing slope.
 - o Joshua Mills stated that it is a drainage feature.
- e. James Aidukas stated that there are erosion rills on the east-facing slopes below Cell CC-3A toward the County top deck.
 - o Joshua Mills stated that they are constantly repairing erosion impacts and adding additional drainage controls.
- f. James Aidukas stated that there were no offsite landfill odors detected today. There was a faint and random frequency onsite gas surface emissions near the CC-3A top deck irrigation water tank.
 - o Joshua Mills acknowledged the statement, and said that he would look into the faint gas odor condition.
- g. James Aidukas stated that the drilling rig on Cell CC-3B did not appear to have a vapor recovery container box in use.

- Joshua Mills stated that it is there, but most likely out of view due to its low position. The vapor boxes used are set at ground level.
 - James Aidukas check photos taken from CC-3A and confirmed that the vapor recovery system was in operation. Joshua Mills and Vu Truong were notified.
- h. James Aidukas stated that we observed that the waste woodpile on the soil deck above Basin D was being removed.
 - Joshua Mills acknowledged the statement.
- i. Mike Lindsay stated that windblown litter has continued to accumulate at the back of sediment basin B. There was also minor litter on the north native vegetated slope.
 - Joshua Mills acknowledged the statement.
- j. Mike Lindsay asked if we could obtain a copy of the perimeter gas monitoring probes location map.
 - Joshua Mills acknowledged the statement and indicated that we will get a copy.
- k. James Aidukas stated that perimeter gas probe number 203D has a gas recovery pipeline hook-up to it but the pipe has a low point that is filled with liquids causing the vapor source to surge.
 - Joshua Mills stated that they will check into it.
- l. James Aidukas stated that the perimeter boundary markers are missing at some locations.
 - Joshua Mills stated that they will review the status of the markers and replace missing markers.
- m. Vu Truong stated that there are erosion ruts on slopes that are being revegetated on the CC-3A eastern slopes and the County area north of these slopes.
 - Joshua Mills stated that they are repairing erosion damage, including adding controls like jute netting. Controls are being used where damage to growing vegetation is considered along with the benefit of fixing surface erosion. Sukut has a contract to apply irrigation water to the hydroseeded area vegetation until the end of March.
- n. Vu Truong asked what the fill plan is for Cell CC-4 Part 1.
 - Joshua Mills stated that the fill plan is to raise Part 2 to the height of Part 1, and finish them together.
- o. James Aidukas asked when Cell CC-4 Part 3 will begin construction.
 - Joshua Mills stated that they will begin in the fall of 2019.
- p. James Aidukas stated that there are two old oil wells located where the previous administration buildings were located and that they will need to be lowered and re-abandoned when moving the stockpiled soil in the CC-4 Part 3 future cell. Also, there is an oil well adjacent to the Flare 9, 10, and 11 alternate access road that will need to be re-abandoned.
 - Joshua Mills acknowledged the statement.
- q. James Aidukas asked if the liquids-to-sewer new system has been finished.
 - Tuong-phu Ngo stated that the final connection will be made in about two weeks.

- r. Vu Truong asked who designed the liquids and gas recovery gabion block system, and if calculations were made regarding the vertical forces to ensure the gabion structure's integrity.
 - o Joshua Mills stated that they will check into the calculations, and that the design team was a collaboration of Republic's Arizona technical staff and the site geotechnical consultant.

The meeting was then adjourned.


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

March 14, 2018

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

Attendees:

Vu Truong, LACDPW
James Aidukas, UltraSystems
Tarik Hadj-Hamou, UltraSystems
Mike Lindsay, UltraSystems



Discussion:

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

- a. Tarik Hadj-Hamou stated that soil continues to slough on the main access road slopes near the terminal basin entrance. He stated that there could be a slope stability issue and that Republic's geotechnical engineer should inspect this slope.
 - o Joshua Mills acknowledged the statement.
- b. Tarik Hadj-Hamou stated that there is a lot of erosion throughout the site due to the recent rains.
 - o Joshua Mills acknowledged the statement.
- c. Tarik Hadj-Hamou stated that the retaining wall along San Fernando Road south of the landfill entrance has sloughing soil from the slope above and that soil and rock was accumulating against the wall's fence and piles of soil were observed in front of the wall and along the curb. He suggested that Republic make cleaning it part of their routine maintenance.
 - o Joshua Mills agreed, and stated that they just cleaned it out before the recent rains.
- d. James Aidukas stated that the acceleration lane by the landfill entrance is covered with dirt from the retaining wall area.
 - o Joshua Mills acknowledged the statement.
- e. Tarik Hadj-Hamou stated that there was additional settlement in the City South Landfill soil stockpile area south of the office parking lot and the slope's depression has increased.
 - o Joshua Mills had no comment.
- f. Tarik Hadj-Hamou stated that sediment Basins A and B were slow in draining water. It appears that sediment is preventing free flow out of the outlet risers.
 - o Joshua Mills acknowledged the statement.
- g. Mike Lindsay stated that windblown trash has accumulated in the northwest corner of the terminal basin, and is floating on the water's surface.
 - o Joshua Mills acknowledged the statement.

- h. Mike Lindsay stated that an illegally-dumped couch and debris were observed on Sierra Highway by the I-14 overpass.
 - o Joshua Mills acknowledged the statement.
- i. Mike Lindsay stated that ponding water was observed at the low-flow drainage for Basin CC-3B and that the drain appears to be plugged with soil and debris.
 - o Joshua Mills acknowledged the statement.
- j. James Aidukas asked where the liquids from the Old City North tank farm connect to the City sewer.
 - o Tuong-phu Ngo stated that the connection is near the deep well pump west of the San Fernando Road property wall.
- k. Tarik Hadj-Hamou stated that there are gaps in the concrete near the terminal basin spillway, and suggested to grout the joints to stop any water intrusion as a maintenance item.
 - o Joshua Mills stated that they will re-grout the joints.
- l. Mike Lindsay stated that UltraSystems would like access to the gas monitoring probes.
 - o Joshua Mills stated that Republic can take UltraSystems to the probes and unlock the caps for inspection.
- m. Vu Truong asked when Cell CC-4 Part 2 will reopen for operations.
 - o Joshua Mills stated that it may reopen tomorrow, and that the rains have delayed the slope repair process.
- n. James Aidukas stated that the County top deck bowl has a low spot that is filled with rain water.
 - o Joshua Mills stated that they will fill in the low spot.
- o. Vu Truong stated that there are erosion rills above Cell CC-4.
 - o Joshua Mills stated that they are going to reapply Posi-Shell at that location.
- p. Tarik Hadj-Hamou stated that the access road that leads up to the Old City South decks is narrowing and asked if this was being done to cut a new bench.
 - o Joshua Mills stated that they will look at the area and advise us.
- q. Vu Truong asked when was the terminal basin's water sample taken and when was the analysis sent to the water board for analysis.
 - o Joshua Mills stated that the analysis was sent to the water board in mid-January.

The meeting was then adjourned.

March 29, 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 emergency exit maps should be updated with the new secondary access road egress. These maps should be given to the local City fire station that would respond to any emergencies.
 - o Joshua Mills acknowledged the statement.
- b. James Aidukas stated that he drove the Granada Hills neighborhood from 6:15 to 7:15 and that there were no landfill odors detected, and that at 7:45 he and Mike Lindsay drove the Granada Hills school area and the Rancho Cascades neighborhood and no landfill odors were detected.
 - o Joshua Mills acknowledged the statement.
- c. James Aidukas stated that at the east-facing slope of Cell CC-3A, and down-slope from the well 2085 and the tote container and north of GW-3009D, there was a strong liquids-type odor that carried for approximately 75 feet. This was possibly from a prior liquids spill. The soil surface was treated with a hard polymer-type coating. The odor was being controlled to a localized area but odor abatement by soil removal should be considered.
 - o Joshua Mills stated that they were having a problem with their forced main vacuum and that they will further investigate this localized condition.
- d. James Aidukas stated that the gas recovery system at the leachate tank farm was not recovering all the odorous vapors. When tanks 1069 and 1081 were receiving liquid, there was a strong localized vapor odor near these tanks. The vapor recovery needs to be increased when filling tanks. Automation of increasing the vacuum during filling should be considered.
 - o Tuong-phu Ngo stated that they will have SCS investigate the source of the odor and perhaps fine tune the well adjustments.
- e. James Aidukas stated that the terminal basin has a significant amount of sediment and debris was on the surface of the water near the eastern wall. Also, the water level was close to topping the outlet risers.
 - o Joshua Mills stated that they are considering using a net system to skim out the floating trash. Also, retention of the water to a high level was to maximize sediment removal.
- f. James Aidukas stated that there were additional areas of soil sloughing on the main access road's northern supporting slope near the terminal basin's entrance.
 - o Joshua Mills stated that GLA is coming out to analyze the slope and provide recommendations.

- g. James Aidukas stated that there is some ponding water present below Cell CC-4 Part 2.
 - o Joshua Mills acknowledged the statement.
- h. Mike Lindsay stated that sediment Basins A and B are not draining water because the rock berm surrounding the outlet risers are blocked with sediment.
 - o Joshua Mills acknowledged the statement.
- i. Joshua Mills asked what the status was regarding the LACDPW auxiliary contract.
 - o James Aidukas stated that UltraSystems has not begun any work.

The meeting was then adjourned.