

**Sunshine Canyon Landfill  
Independent Monitor  
Quarterly Site Monitoring Status Report  
April 1, 2014 – June 30, 2014**

*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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Irvine, California 92618

*Prepared On:*

December 5, 2014



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CERTIFICATION STATEMENT

December 5, 2014

The attached Quarterly Site Monitoring Status Report for the Sunshine Canyon Landfill dated December 5, 2014 is the Second Quarterly Report for 2014, issued by UltraSystems. This report covers the monitoring period from April 1, 2014 through June 30, 2014 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 Mitigation Monitoring – 2014 Second Quarter Summary/ City  
(see Excel spreadsheets)

Sunshine Canyon Landfill Mitigation Monitoring – 2014 Second Quarter Summary/ County  
(see Excel spreadsheets)

### Appendices

Appendix I – Excel Summary Further Review Needed Comments Reference I-e through I-i

Appendix II – Photo Location Map and Relevant Site Photos

Appendix III – Quarterly Site Visits

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Appendix IV – Meeting Logs

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GPS Data Logs

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## Quarterly Status Report

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

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

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

This Quarterly Report provides the City of Los Angeles Department of Planning and the County of Los Angeles Department of Regional Planning with a concise status of the Mitigation Measure Monitoring for the period of April 1, 2014 to June 30, 2014. It includes:

1. The City and County Mitigation Monitoring Summary Excel Tables for June 2014. These tables record the areas of monitoring completed during the second quarter of 2014 and the status of being compliant;
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 the quarter;
4. Site visit attendees by date of site visit and the mitigation monitoring report for each monitor;



5. Meeting logs documenting any meetings with Republic Services staff and/or public agencies and the topics discussed; and
6. Any site monitoring documenting site changes.

## Site Visits During the Quarter

Five site visits were performed by UltraSystems during the April through June 2014 quarter in order to observe operational site activities and determine compliant status with conditions and/or mitigation measures. They were performed on April 2, 2014; April 16, 2014; May 7, 2014; June 11, 2014; and June 24, 2014. The previously discussed conditions and/or mitigation measures were tracked by each specialist who visited, and observations were documented. Site conditions were noted to be: Compliant, Non-Compliant, or Further Review Needed. If a Condition was found to be Non-Compliant or observed as having Further Review Needed, a reference was made to an appendix which details what was observed by the monitor.

## Definition of Terms

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

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

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

Further Review Needed/ Comments is defined as comments documenting site conditions observed during monitoring visits that are not fully compliant but action is being taken in order to obtain full compliance with conditions and/or mitigation measures. Recommendations from the monitor, as appropriate, and status from Republic Services (Republic) may also be given. Comments are also made for compliant conditions where the comment notes action that may be taken to provide documents to improve monitoring efficiency and/or document issues observed during the monitoring.

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

## Status Summary

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

### Compliant

The majority of the conditions and/or mitigation measures monitored were observed to be compliant. There are City and County conditions which are compliant, but are noted as



having corresponding comments that refer to the appendices. The Compliant with Comments section of the monthly monitoring records provide a summary of these comments where monitoring efficiency would be improved by having reports and documents readily available and/or document issues observed during monitoring. These are summarized in the Summary of Requested Documents in the Quarterly Report.

### 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.

#### 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.*

**Current Status/Comments** – In April, the County Department of Public Works was given for review the drainage design for the permanent westside drainage system that will be installed below the Old City South Landfill.

#### Q-C.5.c (City)

*The operator Graffiti removal and deterrence on building and structures in public view. The property owners and all successors shall acknowledge the applicability of the graffiti removal and deterrence requirements pursuant to Municipal Code Sections 91.8101-F, 91.8904.1 and 91.1707-E relative to the subject project.*

#### Landfill Operation - 18.7 (County)

*The permittee shall remove all graffiti in public view on public buildings and structures at the Facility within 48 hours of its placement. The permittee shall also establish and maintain a graffiti deterrent program approved by the DPH-LEA and submitted to the Graffiti Abatement Section of the Department of Public Works.*

**Current Status/Comments** – In mid-April, graffiti was observed on the long downward sloping eastside concrete drainage channel that discharges into the terminal basin. This channel is visible from outside the landfill. Republic staff was procuring paint and scheduling removal. By the May



7th monitoring, the graffiti observed on the prior monitoring visit on the eastside drainage channel was covered with paint.

**Q-C.10.c (City)**

*The operator shall submit, as part of its annual report, an evaluation of the feasibility of beneficial uses of the landfill gas collected at the site such as landfill-gas-to-energy.*

**Odor/Landfill Gas - 7.07 (County)**

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

**Gas - 52 (County)**

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

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

**Current Status/Comments** -The installation of equipment for the gas-to-energy facility and the commissioning of individual systems were close to completion in early May. In late June, on-line tests and temporary power sales was anticipated to occur as early as late July.

**T-4 (City)**

*Prepare a plot plan ["fire plan"] to the satisfaction of the Fire Department.*

*a. immediate access fire plan [now]*

*b. plot plan for the future facilities will be submitted when these are implemented*

**Fire Service - 12.03 (County)**

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

**Current Status/Comments** - In mid-April it was observed that the City south top deck dirt road to the oil field road had some of the deep holes filled and high-center vehicles can use this as a



secondary access. Republic is considering improvements so that passenger cars could use this access in an emergency.

**Alternative Fuel Vehicles - 77.D (County)**

*Within the first year after the Effective Date, the Permittee shall design and implement at least one heavy-duty, alternative fuel off-road equipment pilot program, to the extent deemed technologically and economically feasible by the TAC.*

**Current Status/Comments** – Republic should include, as part of its annual report to the TAC, an ongoing evaluation of the feasibility of the use of alternative fuel for off-road equipment.

**Alternative Fuel Vehicles - 77.E (County)**

*E. Within the three years after the TAC determines that non-diesel, alternative fuel vehicles are technologically and economically feasible:*

- 1. The Permittee shall require all transfer trucks entering the Facility to be non-diesel alternative fuel vehicles; and*
- 2. All transfer trucks and collection trucks owned or leased by the Permittee and used at the Facility shall be non-diesel alternative fuel vehicles.*

**Current Status/Comments** – Republic should include, as part of its annual report to the TAC, an ongoing evaluation of the feasibility of the use of alternative fuel for transfer and collection trucks.

**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.*

**Current Status/Comments** – The excavation plans for the access road realignment has portions outside of the landfill footprint. The plans should be provided to be approved by the City of Los Angeles Department of Building and Safety and the County Department of Public Works for those areas.

**Geology-1.02 (County)**

*Final designs for major engineered structures will be based on the results of the detailed stability analyses of potential seismic events. Final cut slopes shall be no steeper than 1.5:1 (horizontal to vertical ration excluding benches).*



**Current Status/Comments** – It was observed by the monitor that the access road realignment had numerous areas of natural sand deposits in the formation. A detailed stability analysis considering potential seismic events should be performed.

**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** – It is the monitor's understanding that in lieu of material removal, the stability buttress built was approved by the RWQCB as a remedial measure. Areas outside of the landfill footprint should be provided to be approved by the City Department of Building and Safety and the County Department of Public Works.

**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 (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.*

**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.*

#### **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 (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** – It was observed during the April 2nd monitoring that hydroseeding of interim or inactive slopes had not started. The hydroseeding contractor was awaiting delivery of seed and soil conditioning supplies. Hydroseeding of interim or inactive slopes started in early April



and was completed by the June 11th site monitoring. It was observed on the June 24th monitoring that due to the lack of rain and no irrigation, the hydroseeding did not germinate.

#### **M-4.1.4(11) (City)**

*An operations checklist shall be used by a registered engineering geologist for surveys following all earthquake events measuring 5.0 on the Richter Scale or greater near the project site. A comparison of operating parameters and site conditions before and after major earthquake events shall be made to verify that systems are operational as designed. Final designs for major engineered structures shall be based on the results of the detailed stability analyses of potential seismic events.*

#### **Geology - 1.16 (County)**

*An operations checklist will be used by a certified engineering geologist, registered civil engineer or licensed surveyor for surveys following all earthquake events measuring 5.0 magnitude or greater wherein significant shaking or rolling movement was experienced at the landfill. All environmental protection and control systems for the landfill will use the best available control technology (BACT) and will be designed to withstand a maximum probable earthquake in accordance with Title 23, Division 3 Chapter 15 §Article 4 2547 of the California Code of Regulations (CCR). A comparison of operating parameters and site conditions before and after major earthquake events (5.0 magnitude or greater) will be made to verify that the designed systems are operational.*

**Current Status/Comments** – The seismic detector/ monitor recorder was relocated on a new concrete pad at the entrance near the recovered/ recycled water facility. Upon evaluation of the equipment, Republic ordered a new, updated detector/ recorder.

#### **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. Only obvious gas emission sources, lack of cover, or exposed trash resulting in odor and gas emissions observed during the monitoring visit will be reported. None of these were observed during the quarterly monitoring visits this period.

#### **M-4.3.1(36) (City)**

*To ensure that infiltration of surface water into the closed landfill cells is minimized, surface runoff shall be intercepted and diverted around the landfill. The method of diversion used at the project site shall include the use of lined interceptor ditches placed along the edges of the landfill areas. This system of ditches shall flow into monitored sedimentation basins. After sediment content has been reduced, surface waters shall flow into the existing flood control channel directly east of the project site entrance.*

#### **Surface Water - 2.03 (County)**

*As development of the site proceeds, surface drainage control facilities will be maintained so that surface water runoff is diverted from the working faces and isolated from contact with the waste. Onsite drainage control channels will be designed per CCR, Title 23, Division 3, Chapter 15, Article 3, § 2546, which mandates the requirements for a capital storm event (100 year, 24-hour precipitation).*

**Current Status/Comments** – On the April 2nd site monitoring, ponding was observed on the road to Deck C, along the southern perimeter road, in the bottom of Cell C-3A Part II, and on a couple of low spots on the County top deck. This was the result of the last rainstorm. The ponding observed was reported to Republic by the independent monitor. Republic was scheduling crews to fix these areas.

#### **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** – Temporary and permanent drainage ditches have been installed to convey water to the basins. The majority of inactive and/or areas that have been disturbed have no temporary or permanent vegetation or other surface cover to retard erosion.



**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, equipments 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 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, equipments 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 used to limit runoff velocities and minimize sediment in storm water runoff.*

**Current Status/Comments** – Republic staff informed the monitoring staff during the June 24th monitoring that a State Water Resources Control Board stormwater management plan was prepared and submitted to the water board for approval. The plan is being implemented and all control measures will be in place before October 15th.

**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** – It was observed on the June 24th monitoring that along a portion of the westside drainage channel between Basin A and Basin D, the floor of the basin is uplifted in the middle with large cracks and weeds growing. This indicates the presence of moisture interacting with possible swelling soils. This was previously observed and noted. At the connection between the V-ditch feeding the channel, there is a gap between shotcrete and soil which is a conduit for water to infiltrate beneath the channel shotcrete into the subbase soil. Cracks mentioned in previous visits on the westside (native soil side) of the channel and eastside (landfill side) are getting worse with concrete spalling and pieces falling off.

**M-4.3.2(49) (City)**

*Areas of natural groundwater seepage shall be intercepted by the installation of a subgrade gravel drainage blanket. A series of underdrains shall be placed in areas where seeps and springs have been identified, and they shall collect and convey any water from these sources to the sedimentation basin. In the event any chemical constituents are in the seep water, the seep waters will be sampled, analyzed, collected, and then sent either to the onsite leachate treatment facility or offsite for proper treatment and disposal. The nature and the source of the seep would be investigated including additional sampling and laboratory testing.*

**Surface Water 2.05 (County)**

*Placement of a series of underdrains in areas where seeps and springs have been identified will collect and convey any water from these sources.*

**Current Status/Comments** – During the June 24th monitoring, the large-diameter corrugated steel drain pipe that was unearthed in the City south soil stockpile in January was completely uncovered, and the seep that was feeding this drain pipe was intercepted and eliminated.

A smaller seep coming from around an abandoned gas pipeline on the slope was also intercepted and eliminated.

**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** – The following conditions at the Deck C sage mitigation area were observed:

On April 2nd, the Deck C vegetation was getting established, with good plant coverage on the deck. Approximately 70-80% of the plants were salt bush. Black sage did not survive. Other native plants and sage were doing fair.



On April 16th, the salt bush was growing faster and taller than other plants. Republic's biological consultant and vegetation contractor are monitoring the mitigation site.

On May 7th, it was observed that the salt bush was providing cover for plants to grow in their understory. The area appeared to be over-watered for the sage and summer heat.

On June 11th, the sage and other native plants were going through their summer die-back. The salt bush was growing and spreading.

On June 24th, the area irrigation was cut back. Some salt bush was cut back to allow understory plants to grow. California Fish and Wildlife should be consulted to confirm the mitigation plants growing will meet the requirements of the sage mitigation for the agency.

#### **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.*

**Current Status/Comments** – The monitor was informed that the mitigation sites for the San Fernando Horned Lizard will be included in the County and City Sage Mitigation.

#### **M-4.4.1/67 (City)**

*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). If vegetation clearing needs to occur, surveys shall be conducted by biologists to determine active migratory bird nests. All active migratory bird nests shall be protected until the young become independent.*

#### **Biota-4.13 (County)**

*All oak trees will be counted when removed to verify that adequate mitigation has been provided in accordance with the Oak Tree Mitigation Plan.*

#### **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). If vegetation clearing needs to occur, surveys shall be conducted by biologists to determine active migratory bird nests. All active migratory bird nests shall be protected until the young become independent.*

**Current Status/Comments** – During the May 7th monitoring the tree and vegetation removal along the landfill entrance road for the access road realignment was observed. Numerous oak trees were removed along with some coastal sage vegetation. Biological monitoring was done by Republic before the start of tree and vegetation removal. The vegetation was previously evaluated, accounted for, and part of prior mitigation plans. Republic biological consultant stated that no additional biological assessment was required.



**M-4.9.3(109) (City)**

*On a once-a-week basis, or as needed, the landfill operator shall mobilize cleanup crews to provide litter pickup services within the O'Melveny Park area, along Balboa Boulevard and San Fernando Road, and in other residential areas located in proximity to the landfill, that may be affected by offsite litter migration. On a daily basis, the cleanup crews shall inspect the surrounding area to assess if more frequent cleanups are required. Fences outside of the landfill perimeter may be visible to the surrounding community.*

**M-4.9.3(112) (City)**

*The City LEA shall inspect the landfill on a regular basis, at which time the effectiveness of the litter control program shall be documented and any necessary improvements shall be made, including:*

- a. Landfill personnel shall continuously patrol the access road to the scales from the time the landfill opens until the time of closure in the evening.*
- b. Improperly covered or contained loads that may result in a significant release of litter shall be immediately detained and the condition corrected, if practical, before the load proceeds to the active working face areas. If correction cannot be made, the load shall be conducted under escort to the working face.*
- c. All debris found on or along the landfill entrance and working face access road shall be immediately removed.*
- d. Operating areas shall be located in wind-shielded portions of the landfill during windy periods.*
- e. Litter fences shall be installed in operating active working face areas, as deemed necessary by the LEA.*

**Visual 10.11 (County)**

*The permittee's onsite Litter Control Program will include continuous patrol of the access road and working face during hours of operations and mobilize clean-up crews on a regular basis for litter pick-up along designated public access routes, O'Melveny Park and the adjacent neighborhood.*

**Current Status/Comments** – During this quarterly monitoring period, no wind-blown litter was observed in the adjacent neighborhood.

On the April 2nd monitoring, wind-blown litter was observed in the eastside drainage channel and on the back hillsides of Basins A and B. The terminal basin front exterior wall had wind-blown and illegally-dumped debris.

On the April 16th and May 7th monitoring, wind-blown litter was observed on the back hillsides of Basin A and Basin B.

On the April 16th monitoring, illegal dumping was observed on Sierra Highway north of the I-14 overpass. The area appeared to have been cleaned of wind-blown litter by Republic.

On the June 11th monitoring, wind-blown litter was observed on the back hillsides of Basin A. The back hillsides of Basin B were cleared of litter.

On the June 11th monitoring, illegal dumping was observed on Sierra Highway north of the I-14 overpass and on San Fernando Road south of the Old Road. All areas appeared to have been cleared of wind-blown litter.

**M-4.9.4(121) (City)**

*The landfill operator shall implement a fire prevention plan in compliance with CCR, Title 8, § 3221. Components of this written fire prevention plan shall include potential fire hazards and their proper*



*handling and storage procedures; potential ignition sources (i.e., welding or smoking), their control procedures, and the type of fire protection equipment or systems that can control a fire involving them; names or regular job titles of those responsible for maintenance of equipment and systems installed to prevent or control ignitions or fires; and names or regular job titles of those responsible for the control of accumulation of flammable or combustible waste materials.*

### **Fire Service - 12.03 (County)**

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

**Current Status/Comments** – On April 2nd, it was observed that all the tree branches at the leachate treatment facility had been trimmed to clear the power lines.

### **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** – On April 16th, the southern oil field perimeter gate was unlocked and standing open.

### **M-4.19.1(183) (City)**

*Prior to the commencement of initial earth excavation, specific sections of the project area shall be resurveyed as a precautionary measure to minimize potential loss of undiscovered archaeological resources. Specific areas within the project site to be resurveyed shall be determined by the intended cut-and-fill areas proposed for landfill development. As new areas for excavation are identified, an evaluation of those areas shall be made based on the prior survey results and consultation with appropriate technical specialists. Factors to be considered for delineation of areas to be resurveyed will be known site selection factors associated with aboriginal groups suspected of having inhabited the general area. These factors include proximity to water, the type of vegetation (e.g., food source, shelter, and fuel), and the topography (e.g., slope and aspect).*



**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** – Prior to the April 2nd monitoring, an archaeological survey was performed on the main access road realignment area. No items of concern were found. Prior to the June 16th monitoring, an archaeological survey was performed on the area where site grading was being done west of the landfill office. No items of concern were found. Archaeological reports are on file and are available in Republic's offices.

**M-4.19.2(187) (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** – On the April 2nd monitoring it was confirmed that a paleontological survey was performed on the main access road realignment area. Minor non-recoverable marine fragments were observed and pieces saved for Republic. On June 11th and June 24th monitoring, it was observed that paleontological surveys were being performed on the area where site grading was being done west of the landfill offices. Whale bone and other marine fragments were found. No items were recoverable in one piece. Paleontological reports are on file and are available in Republic's offices.



## Summary of Requested Documents

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

- a) Design report for the Leachate Collection and Treatment Facility (LCTF).
- b) Current Fill Sequence Plan.
- c) A plan showing areas inactive for 180 days or longer with records tracking fill areas and interim reclamation and revegetation, including the timing of proposed work, as well as a plan showing current and projected areas to be within ten feet of the limits of fill.
- d) Maps showing areas that are at final elevation and bench ditches that will connect to drainage ditches to protect against natural surface runoff.
- e) The current erosion control plans should be available for agency and monitor review.
- f) Site drainage plans, including surface and underdrain systems with complementing revegetation plan.
- g) 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.
- h) Comprehensive geotechnical reports.
- i) A preventative maintenance plan and summary of monitoring reports of inspections of facility equipment, systems and stormwater management devices to detect conditions that may cause breakdowns or failures resulting in discharge of materials into stormwater.

## Conclusions

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

As shown by the Non-Compliant and Further Review Needed sections above, the landfill is actively working toward being fully compliant with conditions and/or mitigation measures, with no non-compliant conditions observed. Furthermore, monitoring of the tasks on these Excel spreadsheets tracks progress toward being fully compliant. Notwithstanding the above, air quality issues are not being actively monitored by UltraSystems, and may not be compliant.

The 2014 Second Quarter Mitigation Monitoring Summary Excel spreadsheets track the progress and completion of tasks as they were accomplished during this quarterly period.



# Sunshine Canyon Landfill City Mitigation Monitoring Summary

## (04-01-2014 through 06-30-2014)

| Reference #     | Mitigation # | City Mitigation Measures and Conditions Monitored by Discipline | Monitoring Frequency | First Quarter |         |                                  |           |          |         |                                  |           |           |         |                                  |           | Second Quarter |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |  |  |
|-----------------|--------------|-----------------------------------------------------------------|----------------------|---------------|---------|----------------------------------|-----------|----------|---------|----------------------------------|-----------|-----------|---------|----------------------------------|-----------|----------------|---------|----------------------------------|-----------|----------|---------|----------------------------------|-----------|-----------|---------|----------------------------------|-----------|----------|---------|----------------------------------|-----------|-----------|---------|----------------------------------|-----------|-----------|---------|----------------------------------|-----------|--|--|
|                 |              |                                                                 |                      | 1/15/2014     | Status* | Further Review Needed/Comments** | Resolved* | 2/5/2014 | Status* | Further Review Needed/Comments** | Resolved* | 2/19/2014 | Status* | Further Review Needed/Comments** | Resolved* | 3/12/2014      | Status* | Further Review Needed/Comments** | Resolved* | 4/2/2014 | Status* | Further Review Needed/Comments** | Resolved* | 4/16/2014 | Status* | Further Review Needed/Comments** | Resolved* | 5/7/2014 | Status* | Further Review Needed/Comments** | Resolved* | 6/11/2014 | Status* | Further Review Needed/Comments** | Resolved* | 6/24/2014 | Status* | Further Review Needed/Comments** | Resolved* |  |  |
| Project Manager |              |                                                                 |                      |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |  |  |
|                 |              |                                                                 |                      |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |  |  |
|                 |              |                                                                 |                      |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |  |  |
| Q - A.3.        |              | Definitions                                                     | info                 | /             |         |                                  | /         |          |         |                                  |           | /         |         |                                  |           |                |         | /                                |           |          |         |                                  | /         |           |         |                                  | /         |          |         |                                  | /         |           |         |                                  | /         |           |         |                                  |           |  |  |
| Q - A.6.        |              | Submit Annual Reports                                           | June yearly          | /             |         |                                  | /         |          |         |                                  |           | /         |         |                                  |           |                |         | /                                |           |          |         |                                  | /         |           |         |                                  | /         |          |         |                                  | /         |           |         |                                  | /         |           |         |                                  |           |  |  |
| Q - A.10.       |              | Provision of Fees                                               | yearly               | /             |         |                                  | /         |          |         |                                  |           | /         |         |                                  |           |                |         | /                                |           |          |         |                                  | /         |           |         |                                  | /         |          |         |                                  | /         |           |         |                                  | /         |           |         |                                  |           |  |  |
| Q - B.1.        |              | Permitted/Prohibited Landfill Uses                              | yearly               | /             |         |                                  | /         |          |         |                                  |           | /         |         |                                  |           |                |         | /                                |           |          |         |                                  | /         |           |         |                                  | /         |          |         |                                  | /         |           |         |                                  | /         |           |         |                                  |           |  |  |
| Q - B.2         |              | Approval of Landfill                                            | ongoing              | ✓             | C       | I-a                              | ✓         | C        | NONE    | ✓                                | C         | NONE      | ✓       | C                                | I-d       | ✓              | C       | NONE                             | ✓         | C        | NONE    | ✓                                | C         | NONE      | ✓       | C                                | NONE      | ✓        | C       | NONE                             | ✓         | C         | NONE    | ✓                                | C         | NONE      | ✓       | C                                | NONE      |  |  |
| Q - B.2.c.      |              | Ancillary Uses and Facilities                                   | ongoing              | ✓             | C       | NONE                             | ✓         | C        | NONE    | ✓                                | C         | NONE      | ✓       | C                                | NONE      | ✓              | C       | I-e                              | ✓         | C        | NONE    | ✓                                | C         | NONE      | ✓       | C                                | NONE      | ✓        | C       | NONE                             | ✓         | C         | NONE    | ✓                                | C         | NONE      | ✓       | C                                | I-i       |  |  |
|                 |              | Ancillary Uses and Facilities                                   |                      |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |  |  |
| Q - B.2.d (3)   |              | 10 Year Phase Review                                            | 2015                 | /             |         |                                  | /         |          |         |                                  |           | /         |         |                                  |           |                |         | /                                |           |          |         |                                  | /         |           |         |                                  | /         |          |         |                                  | /         |           |         |                                  | /         |           |         |                                  |           |  |  |
|                 |              | 10 Year Phase Review                                            |                      |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |  |  |
| Q - B.4.d.      |              | Inert/Exempt Materials                                          | info                 | /             |         |                                  | /         |          |         |                                  |           | /         |         |                                  |           |                |         | /                                |           |          |         |                                  | /         |           |         |                                  | /         |          |         |                                  | /         |           |         |                                  | /         |           |         |                                  |           |  |  |
| Q - B.5.a.      |              | Prohibited Waste                                                | info                 | /             |         |                                  | /         |          |         |                                  |           | /         |         |                                  |           |                |         | /                                |           |          |         |                                  | /         |           |         |                                  | /         |          |         |                                  | /         |           |         |                                  | /         |           |         |                                  |           |  |  |
| 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      |  |  |
| 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      |  |  |
| Q - C.3.h.      |              | Surfacing of Access Roads                                       | ongoing              | ✓             | C       | NONE                             | ✓         | C        | NONE    | ✓                                | C         | NONE      | ✓       | C                                | NONE      | ✓              | C       | NONE                             | ✓         | C        | NONE    | ✓                                | C         | NONE      | ✓       | C                                | NONE      | ✓        | C       | NONE                             | ✓         | C         | NONE    | ✓                                | C         | NONE      | ✓       | C                                | NONE      |  |  |
| Q - C.5.        |              | Graffiti Removal and Deterrence                                 | ongoing              | ✓             | C       | NONE                             | ✓         | C        | NONE    | ✓                                | C         | NONE      | ✓       | C                                | NONE      | ✓              | C       | NONE                             | ✓         | C        | NONE    | ✓                                | FRN       | I-f       | ✓       | C                                | I-g       | ✓        | C       | NONE                             | ✓         | C         | NONE    | ✓                                | C         | NONE      | ✓       | C                                | NONE      |  |  |
| Q - C.10.c.     |              | Evaluation of Beneficial Gas Usage                              | June yearly          | ✓             | C       | I-a                              |           |          |         |                                  |           | ✓         | C       | I-c                              |           |                |         |                                  |           |          |         |                                  |           |           | ✓       | C                                | I-g       |          |         |                                  |           |           |         |                                  |           | ✓         | C       | I-i                              |           |  |  |
| Q - C.10.d. (1) |              | Alternative Fuel Vehicles                                       | status               |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |  |  |
| Q - C.10.d. (2) |              | Alternative Fuel Refuse Collection Trucks                       | status               |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |  |  |
| Q - C.12.a.     |              | Technical Advisory Committee                                    | info                 | /             |         |                                  | /         |          |         |                                  |           | /         |         |                                  |           |                |         | /                                |           |          |         |                                  | /         |           |         |                                  | /         |          |         |                                  | /         |           |         |                                  | /         |           |         |                                  |           |  |  |

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

\*\* See Appendix I for Comments

Checkmark = Condition or mitigation was monitored

/ = Yearly or non-ongoing monitoring frequency



# Sunshine Canyon Landfill City Mitigation Monitoring Summary

## (04-01-2014 through 06-30-2014)

| Reference # | Mitigation # | City Mitigation Measures and Conditions Monitored by Discipline | Monitoring Frequency | First Quarter |         |                                  |           |          |         |                                  |           |           |         |                                  |           | Second Quarter |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
|-------------|--------------|-----------------------------------------------------------------|----------------------|---------------|---------|----------------------------------|-----------|----------|---------|----------------------------------|-----------|-----------|---------|----------------------------------|-----------|----------------|---------|----------------------------------|-----------|----------|---------|----------------------------------|-----------|-----------|---------|----------------------------------|-----------|----------|---------|----------------------------------|-----------|-----------|---------|----------------------------------|-----------|-----------|---------|----------------------------------|-----------|
|             |              |                                                                 |                      | 1/15/2014     | Status* | Further Review Needed/Comments** | Resolved* | 2/5/2014 | Status* | Further Review Needed/Comments** | Resolved* | 2/19/2014 | Status* | Further Review Needed/Comments** | Resolved* | 3/12/2014      | Status* | Further Review Needed/Comments** | Resolved* | 4/2/2014 | Status* | Further Review Needed/Comments** | Resolved* | 4/16/2014 | Status* | Further Review Needed/Comments** | Resolved* | 5/7/2014 | Status* | Further Review Needed/Comments** | Resolved* | 6/11/2014 | Status* | Further Review Needed/Comments** | Resolved* | 6/24/2014 | Status* | Further Review Needed/Comments** | Resolved* |
| Q - C.12.c. |              | Contract for Mitigation Monitoring                              | info                 | /             |         |                                  | /         |          |         |                                  | /         |           |         | /                                |           |                | /       |                                  |           | /        |         |                                  | /         |           |         | /                                |           |          | /       |                                  |           | /         |         |                                  | /         |           |         |                                  |           |
| Q - C.12.c. |              | Contract for Mitigation Monitoring-5 years                      | info                 | /             |         |                                  | /         |          |         |                                  | /         |           |         | /                                |           |                | /       |                                  |           | /        |         |                                  | /         |           |         | /                                |           |          | /       |                                  |           | /         |         |                                  | /         |           |         |                                  |           |
|             |              |                                                                 |                      |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| T - 4       |              | Fire Plan                                                       | status               |               |         |                                  |           |          |         |                                  | ✓         | FRN       | I-c     |                                  |           |                |         |                                  |           | ✓        | FRN     | I-f                              |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| 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    |                                  |           |
| T - 6       |              | Satisfactory Street Lighting                                    | status               | /             |         |                                  | /         |          |         |                                  | /         |           |         | /                                |           |                | /       |                                  |           | /        |         |                                  | /         |           |         | /                                |           |          | /       |                                  |           | /         |         |                                  | /         |           |         |                                  |           |
|             |              |                                                                 |                      |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| M - 4.1.1   | 7            | Reabandonment Procedures                                        | status               | ✓             | C       | NONE                             | ✓         | C        | NONE    |                                  | ✓         | C         | NONE    | ✓                                | C         | NONE           | ✓       | C                                | NONE      | ✓        | C       | NONE                             | ✓         | C         | NONE    | ✓                                | C         | NONE     | ✓       | C                                | NONE      | ✓         | C       | NONE                             | ✓         | C         | NONE    |                                  |           |
| 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      | /         | NA      | NONE                             | /         | NA        | NONE    |                                  |           |
| 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      | ✓         | C       | NONE                             | ✓         | C         | NONE    |                                  |           |
| 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      | ✓         | C       | NONE                             | ✓         | C         | NONE    |                                  |           |
| M - 4.2.12  | 28           | Site Erosion-Cover                                              | ongoing              | ✓             | C       | NONE                             | ✓         | FRN      | I-b     |                                  | ✓         | C         | NONE    | ✓                                | C         | NONE           | ✓       | C                                | NONE      | ✓        | C       | NONE                             | ✓         | C         | NONE    | ✓                                | C         | NONE     | ✓       | C                                | NONE      | ✓         | C       | NONE                             | ✓         | C         | NONE    |                                  |           |
| 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      | ✓         | C       | NONE                             | ✓         | C         | NONE    |                                  |           |
| M - 4.2.12  |              | Site Erosion-Sealant                                            | ongoing              | ✓             | FRN     | I-a                              | ✓         | C        | NONE    |                                  | ✓         | FRN       | I-c     | ✓                                | C         | NONE           | ✓       | C                                | NONE      | ✓        | C       | NONE                             | ✓         | C         | NONE    | ✓                                | C         | NONE     | ✓       | C                                | NONE      | ✓         | C       | NONE                             | ✓         | C         | NONE    |                                  |           |
| M - 4.2.13  | 29           | LFG Control Measures                                            | ongoing              | /             |         | I-a                              | /         |          | I-b     |                                  | /         |           | I-c     | /                                |           | I-d            | /       |                                  | I-e       | /        |         | I-f                              | /         |           | I-g     | /                                |           | I-h      | /       |                                  | I-i       | /         |         |                                  |           |           |         |                                  |           |
| M - 4.2.13  | 30           | Operational Odor Control Techniques                             | ongoing              | ✓             | C       | NONE                             | ✓         | C        | NONE    |                                  | ✓         | C         | NONE    | ✓                                | C         | NONE           | ✓       | C                                | NONE      | ✓        | C       | NONE                             | ✓         | C         | NONE    | ✓                                | C         | NONE     | ✓       | C                                | NONE      | ✓         | C       | NONE                             | ✓         | C         | NONE    |                                  |           |
| 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      | ✓         | C       | NONE                             | ✓         | C         | NONE    |                                  |           |
| M - 4.2.13  | 32           | LFG Collection and Recovery System                              | ongoing              | /             |         | I-a                              | /         |          | I-b     |                                  | /         |           | I-c     | /                                |           | I-d            | /       |                                  | I-e       | /        |         | I-f                              | /         |           | I-g     | /                                |           | I-h      | /       |                                  | I-i       | /         |         |                                  |           |           |         |                                  |           |
| M - 4.2.13  | 33           | Odor Control Measures                                           | ongoing              | /             |         | I-a                              | ✓         | FRN      | I-b     |                                  | /         |           | I-c     | /                                |           | I-d            | /       |                                  | I-e       | /        |         | I-f                              | /         |           | I-g     | /                                |           | I-h      | /       |                                  | I-i       | /         |         |                                  |           |           |         |                                  |           |
| M - 4.2.13  | 34           | Odor/LFG Monitoring                                             | ongoing              | /             |         | I-a                              | /         |          | I-b     |                                  | /         |           | I-c     | /                                |           | I-d            | /       |                                  | I-e       | /        |         | I-f                              | /         |           | I-g     | /                                |           | I-h      | /       |                                  | I-i       | /         |         |                                  |           |           |         |                                  |           |
|             |              | Periodic LFG Monitoring                                         |                      | /             |         | I-a                              | /         |          | I-b     |                                  | /         |           | I-c     | /                                |           | I-d            | /       |                                  | I-e       | /        |         | I-f                              | /         |           | I-g     | /                                |           | I-h      | /       |                                  | I-i       | /         |         |                                  |           |           |         |                                  |           |
| 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      | /         | NA      | NONE                             | /         | NA        | NONE    |                                  |           |

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\*\* See Appendix I for Comments

Checkmark = Condition or mitigation was monitored

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# Sunshine Canyon Landfill City Mitigation Monitoring Summary

## (04-01-2014 through 06-30-2014)

| Reference # | Mitigation # | City Mitigation Measures and Conditions Monitored by Discipline | Monitoring Frequency | First Quarter |         |                                  |           |          |         |                                  |           |           |         |                                  |           | Second Quarter |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
|-------------|--------------|-----------------------------------------------------------------|----------------------|---------------|---------|----------------------------------|-----------|----------|---------|----------------------------------|-----------|-----------|---------|----------------------------------|-----------|----------------|---------|----------------------------------|-----------|----------|---------|----------------------------------|-----------|-----------|---------|----------------------------------|-----------|----------|---------|----------------------------------|-----------|-----------|---------|----------------------------------|-----------|-----------|---------|----------------------------------|-----------|
|             |              |                                                                 |                      | 1/15/2014     | Status* | Further Review Needed/Comments** | Resolved* | 2/5/2014 | Status* | Further Review Needed/Comments** | Resolved* | 2/19/2014 | Status* | Further Review Needed/Comments** | Resolved* | 3/12/2014      | Status* | Further Review Needed/Comments** | Resolved* | 4/2/2014 | Status* | Further Review Needed/Comments** | Resolved* | 4/16/2014 | Status* | Further Review Needed/Comments** | Resolved* | 5/7/2014 | Status* | Further Review Needed/Comments** | Resolved* | 6/11/2014 | Status* | Further Review Needed/Comments** | Resolved* | 6/24/2014 | Status* | Further Review Needed/Comments** | Resolved* |
|             |              |                                                                 |                      |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| 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                             |           |
| M - 4.4.2   | 69           | Offsite Mitigation Sites                                        | status               |               |         |                                  |           | ✓        | C       | I-b                              |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| M - 4.4.2   | 70           | Purchasing Wetland Credit                                       | status               | /             |         |                                  |           | /        |         |                                  |           | /         |         |                                  |           | /              |         |                                  |           | /        |         |                                  |           | /         |         |                                  |           | /        |         |                                  |           | /         |         |                                  |           | /         |         |                                  |           |
| M - 4.4.2   | 71           | Funding-Invasive Species Eradication Program                    | status               | /             |         |                                  |           | /        |         |                                  |           | /         |         |                                  |           | /              |         |                                  |           | /        |         |                                  |           | /         |         |                                  |           | /        |         |                                  |           | /         |         |                                  |           | /         |         |                                  |           |
| 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                             |           |
| 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                             |           |
| 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                             |           |
| 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                             |           |
| 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                             |           |
| M - 4.9.3   | 109          | Periodic Offsite Litter Pickup                                  | ongoing              | ✓             | FRN     | I-a                              |           | ✓        | FRN     | I-b                              |           | ✓         | FRN     | I-c                              |           | ✓              | FRN     | I-d                              |           |          |         |                                  | ✓         | FRN       | I-f     |                                  |           |          |         | ✓                                | FRN       | I-h       |         |                                  |           |           |         |                                  |           |
| M - 4.9.3   | 110          | Illegal Dumping Activities                                      | ongoing              | ✓             | C       | NONE                             |           | ✓        | C       | NONE                             |           | ✓         | C       | NONE                             |           | ✓              | C       | NONE                             |           |          |         |                                  | ✓         | FRN       | I-f     |                                  |           |          |         | ✓                                | FRN       | I-h       |         |                                  |           |           |         |                                  |           |
| 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                             |           |
| M - 4.9.3   | 112          | Litter Control                                                  | ongoing              | ✓             | C       | NONE                             |           | ✓        | C       | NONE                             |           | ✓         | C       | NONE                             |           | ✓              | C       | NONE                             |           | ✓        | FRN     | I-e                              |           | ✓         | FRN     | I-f                              |           | ✓        | FRN     | I-g                              |           | ✓         | FRN     | I-h                              |           |           |         |                                  |           |
| M - 4.9.5   | 127          | Address Concerns of Citizens' Advisory Committee                | ongoing              | /             |         |                                  |           | /        |         |                                  |           | /         |         |                                  |           | /              |         |                                  |           | /        |         |                                  |           | /         |         |                                  |           | /        |         |                                  |           | /         |         |                                  |           | /         |         |                                  |           |
| M - 4.9.6   | 128          | Landfill Gas/Collection System-Unsafe Methane                   | ongoing              | ✓             | C       | NONE                             |           | ✓        | C       | NONE                             |           | ✓         | C       | NONE                             |           | ✓              | C       | NONE                             |           | ✓        | C       | NONE                             |           | ✓         | C       | NONE                             |           | ✓        | C       | NONE                             |           | ✓         | C       | NONE                             |           | ✓         | C       | NONE                             |           |
| 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                             |           |
| 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                             |           |
| M - 4.16.4  | 176          | Reclaimed Water                                                 | status               | /             |         |                                  |           | /        |         |                                  |           | /         |         |                                  |           | /              |         |                                  |           | /        |         |                                  |           | /         |         |                                  |           | /        |         |                                  |           | /         |         |                                  |           | /         |         |                                  |           |
| 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                             |           |

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# Sunshine Canyon Landfill City Mitigation Monitoring Summary

## (04-01-2014 through 06-30-2014)

| Reference #                   | Mitigation # | City Mitigation Measures and Conditions Monitored by Discipline | Monitoring Frequency | First Quarter |         |                                  |           |          |         |                                  |           |           |         |                                  |           | Second Quarter |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
|-------------------------------|--------------|-----------------------------------------------------------------|----------------------|---------------|---------|----------------------------------|-----------|----------|---------|----------------------------------|-----------|-----------|---------|----------------------------------|-----------|----------------|---------|----------------------------------|-----------|----------|---------|----------------------------------|-----------|-----------|---------|----------------------------------|-----------|----------|---------|----------------------------------|-----------|-----------|---------|----------------------------------|-----------|-----------|---------|----------------------------------|-----------|
|                               |              |                                                                 |                      | 1/15/2014     | Status* | Further Review Needed/Comments** | Resolved* | 2/5/2014 | Status* | Further Review Needed/Comments** | Resolved* | 2/19/2014 | Status* | Further Review Needed/Comments** | Resolved* | 3/12/2014      | Status* | Further Review Needed/Comments** | Resolved* | 4/2/2014 | Status* | Further Review Needed/Comments** | Resolved* | 4/16/2014 | Status* | Further Review Needed/Comments** | Resolved* | 5/7/2014 | Status* | Further Review Needed/Comments** | Resolved* | 6/11/2014 | Status* | Further Review Needed/Comments** | Resolved* | 6/24/2014 | Status* | Further Review Needed/Comments** | Resolved* |
|                               |              |                                                                 |                      |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| Civil & Geotechnical Engineer |              |                                                                 |                      |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
|                               |              |                                                                 |                      |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
|                               |              |                                                                 |                      |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| M - 4.1.1                     | 2            | Grading Outside of Conceptual Grading Plan Area                 | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         | ✓                                | FRN       | I-d            |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| M - 4.1.1                     | 3            | Unsuitable Material Removal/Buffer Zones                        | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           | ✓         | FRN     | I-i                              |           |
| M - 4.1.1                     | 4            | Grading Outside of Landfill Footprint                           | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  | ✓         | FRN            | I-d     |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  | ✓         | FRN       | I-i     |                                  |           |
| M - 4.1.1                     | 5            | Grading Activity Compliance                                     | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  | ✓         | FRN            | I-d     |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  | ✓         | FRN       | I-i     |                                  |           |
| M - 4.1.2                     | 8            | Landslide Guidelines                                            | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  | ✓         | FRN       | I-i     |                                  |           |
| M - 4.1.2                     | 9            | Soil Stabilization                                              | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  | ✓         | FRN       | I-i     |                                  |           |
| M - 4.1.4                     | 10           | Landfill Design                                                 | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| M - 4.1.4                     | 11           | Earthquake Operations Checklist                                 | upon event           | /             | NA      | NONE                             | /         | NA       | NONE    | /                                | NA        | NONE      | /       | NA                               | NONE      | /              | NA      | NONE                             | /         | NA       | NONE    | /                                | NA        | NONE      | ✓       | C                                | I-f       | /        | NA      | NONE                             | /         | NA        | NONE    | /                                | NA        | NONE      | /       | NA                               | NONE      |
| M - 4.1.5                     | 12           | Geologic Hazards - Liquefaction                                 | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| M - 4.1.5                     | 13           | Design/Construction-Liquefaction                                | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| M - 4.1.5                     | 14           | Design/Construction-Containment Structures                      | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| 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                             | ✓         | C         | NONE    | ✓                                | C         | NONE      | ✓       | C                                | NONE      |
| 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                             | ✓         | C         | NONE    | ✓                                | C         | NONE      | ✓       | C                                | NONE      |
| M - 4.1.6                     | 17           | Final Slope Factors of Safety                                   | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| M - 4.1.6                     | 18           | Survey Monuments                                                | 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      |
| M - 4.3.2                     | 47           | Landfill Liner                                                  | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| M - 4.3.2                     | 48           | Landfill Liner                                                  | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| M - 4.3.2                     | 54           | Preliminary Closure/Postclosure Plan                            | status               |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| M - 4.3.2                     | 55           | Landfill Design/Operation/Final                                 | status               |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |

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# Sunshine Canyon Landfill City Mitigation Monitoring Summary

(04-01-2014 through 06-30-2014)

| Reference # | Mitigation # | City Mitigation Measures and Conditions Monitored by Discipline | Monitoring Frequency | First Quarter |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           | Second Quarter |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
|-------------|--------------|-----------------------------------------------------------------|----------------------|---------------|---------|----------------------------------|-----------|----------|---------|----------------------------------|-----------|-----------|---------|----------------------------------|-----------|-----------|---------|----------------------------------|-----------|----------------|---------|----------------------------------|-----------|-----------|---------|----------------------------------|-----------|----------|---------|----------------------------------|-----------|-----------|---------|----------------------------------|-----------|-----------|---------|----------------------------------|-----------|
|             |              |                                                                 |                      | 1/15/2014     | Status* | Further Review Needed/Comments** | Resolved* | 2/5/2014 | Status* | Further Review Needed/Comments** | Resolved* | 2/19/2014 | Status* | Further Review Needed/Comments** | Resolved* | 3/12/2014 | Status* | Further Review Needed/Comments** | Resolved* | 4/2/2014       | Status* | Further Review Needed/Comments** | Resolved* | 4/16/2014 | Status* | Further Review Needed/Comments** | Resolved* | 5/7/2014 | Status* | Further Review Needed/Comments** | Resolved* | 6/11/2014 | Status* | Further Review Needed/Comments** | Resolved* | 6/24/2014 | Status* | Further Review Needed/Comments** | Resolved* |
|             |              |                                                                 |                      |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| M - 4.3.2   | 56           | Cover Application                                               | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         | ✓                                | C         | NONE           |         | ✓                                | C         | NONE      |         | ✓                                | C         | NONE     |         | ✓                                | C         | NONE      |         | ✓                                | C         | NONE      |         |                                  |           |
| M - 4.14.1  | 155          | Access Roadway Grade                                            | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| M - 4.18    | 178          | Landfill Elevation Exceedance                                   | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         | ✓                                | C         | NONE           |         | ✓                                | C         | NONE      |         | ✓                                | C         | NONE     |         | ✓                                | C         | NONE      |         | ✓                                | C         | NONE      |         |                                  |           |
|             |              |                                                                 |                      |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| Hydrologist |              |                                                                 |                      |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
|             |              |                                                                 |                      |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
|             |              |                                                                 |                      |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| 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                             |           |
| M - 4.3.1   | 36           | Surface Water Infiltration Minimization                         | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  | ✓         | FRN       | I-d     |                                  | ✓         | FRN            | I-e     |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| M - 4.3.1   | 37           | Surface Drainage Systems                                        | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  | ✓         | C         | I-i     |                                  |           |
| M - 4.3.1   | 38           | Permanent/Temporary Ditches                                     | ongoing              | ✓             | FRN     | I-a                              |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           | ✓       | C                                | I-i       |           |         |                                  |           |
| M - 4.3.1   | 39           | Drainage Protection                                             | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| M - 4.3.1   | 40           | SWRCB Permit Coverage                                           | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         | ✓                                | C         | I-i       |         |                                  |           |
| M - 4.3.1   | 41           | Surface Water Collection System                                 | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| M - 4.3.1   | 42           | Surface Water Quality Monitoring                                | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| M - 4.3.1   | 43           | Sediment Basin Maintenance                                      | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         | ✓                                | C         | I-i       |         |                                  |           |
| M - 4.3.1   | 44           | Final Landfill Cover                                            | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| M - 4.3.1   | 45           | Erosion Control Plan                                            | ongoing              | ✓             | C       | I-a                              |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           | ✓       | C                                | I-i       |           |         |                                  |           |
| M - 4.3.1   | 46           | Preventive Maintenance Program                                  | ongoing              | ✓             | FRN     | I-a                              |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           | ✓       | C                                | I-i       |           |         |                                  |           |
| M - 4.3.2   | 49           | Interception of Groundwater Seepage                             | ongoing              | ✓             | FRN     | I-a                              |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           | ✓       | C                                | I-i       |           |         |                                  |           |
| M - 4.3.2   | 50           | LCRS/Leachate Monitoring                                        | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| M - 4.3.2   | 51           | LCRS Monitoring                                                 | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
|             |              |                                                                 |                      |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |

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|-------------|--------------|-----------------------------------------------------------------|----------------------|---------------|---------|----------------------------------|-----------|----------|---------|----------------------------------|-----------|-----------|---------|----------------------------------|-----------|----------------|---------|----------------------------------|-----------|----------|---------|----------------------------------|-----------|-----------|---------|----------------------------------|-----------|----------|---------|----------------------------------|-----------|-----------|---------|----------------------------------|-----------|-----------|---------|----------------------------------|-----------|
|             |              |                                                                 |                      | 1/15/2014     | Status* | Further Review Needed/Comments** | Resolved* | 2/5/2014 | Status* | Further Review Needed/Comments** | Resolved* | 2/19/2014 | Status* | Further Review Needed/Comments** | Resolved* | 3/12/2014      | Status* | Further Review Needed/Comments** | Resolved* | 4/2/2014 | Status* | Further Review Needed/Comments** | Resolved* | 4/16/2014 | Status* | Further Review Needed/Comments** | Resolved* | 5/7/2014 | Status* | Further Review Needed/Comments** | Resolved* | 6/11/2014 | Status* | Further Review Needed/Comments** | Resolved* | 6/24/2014 | Status* | Further Review Needed/Comments** | Resolved* |
| Biologist   |              |                                                                 |                      |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
|             |              |                                                                 |                      |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
|             |              |                                                                 |                      |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| M - 4.1.1   | 6            | Slope Erosion Control                                           | ongoing              | ✓             | FRN     | I-a                              |           | ✓        | FRN     | I-b                              |           | ✓         | FRN     | I-c                              |           | ✓              | FRN     | I-d                              |           | ✓        | FRN     | I-e                              |           | ✓         | FRN     | I-f                              |           | ✓        | FRN     | I-g                              |           | ✓         | FRN     | I-h                              |           | ✓         | FRN     | I-i                              |           |
| M - 4.2.11  | 23           | Revegetation/Excavation                                         | ongoing              | ✓             | FRN     | I-a                              |           | ✓        | FRN     | I-b                              |           | ✓         | FRN     | I-c                              |           | ✓              | FRN     | I-d                              |           | ✓        | FRN     | I-e                              |           | ✓         | FRN     | I-f                              |           | ✓        | FRN     | I-g                              |           | ✓         | FRN     | I-h                              |           | ✓         | FRN     | I-i                              |           |
| M - 4.2.12  |              | Temporary Vegetation Cover                                      | ongoing              | ✓             | FRN     | I-a                              |           | ✓        | FRN     | I-b                              |           | ✓         | FRN     | I-c                              |           | ✓              | FRN     | I-d                              |           | ✓        | FRN     | I-e                              |           | ✓         | FRN     | I-f                              |           | ✓        | FRN     | I-g                              |           | ✓         | FRN     | I-h                              |           | ✓         | FRN     | I-i                              |           |
| M - 4.4.1   | 60           | Coastal Sage Scrub Mitigation Plan                              | ongoing              | ✓             | C       | I-a                              |           | ✓        | C       | I-b                              |           |           |         |                                  |           | ✓              | C       | I-d                              |           | ✓        | FRN     | I-e                              |           | ✓         | FRN     | I-f                              |           | ✓        | FRN     | I-g                              |           | ✓         | FRN     | I-h                              |           | ✓         | FRN     | I-i                              |           |
| M - 4.4.1   | 61           | Coastal Sage Scrub Seeding                                      | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| M - 4.4.1   | 62           | Mariposa Lily Mitigation Plan                                   | ongoing              | /             |         |                                  | /         |          |         |                                  | /         |           |         |                                  |           | /              |         |                                  |           | /        |         |                                  | /         |           |         |                                  |           | /        |         |                                  | /         |           |         |                                  | /         |           |         |                                  |           |
| M - 4.4.1   | 63           | San Diego Horned Lizard Mitigation                              | ongoing              | /             |         |                                  | /         |          |         |                                  | /         |           |         |                                  |           | /              |         |                                  |           | /        |         |                                  | /         |           |         |                                  | /         |          |         | /                                |           |           |         | /                                |           |           |         |                                  |           |
| M - 4.4.1   | 64           | California Gnatcatcher Surveys                                  | ongoing              | /             |         |                                  | /         |          |         |                                  | /         |           |         |                                  |           | /              |         |                                  |           | /        |         |                                  | /         |           |         |                                  | /         |          |         | /                                |           |           |         | /                                |           |           |         |                                  |           |
| M - 4.4.1   | 65           | Least Bell's Vireo Surveys                                      | ongoing              | /             |         |                                  | /         |          |         |                                  | /         |           |         |                                  |           | /              |         |                                  |           | /        |         |                                  | /         |           |         |                                  | /         |          |         | /                                |           |           |         | /                                |           |           |         |                                  |           |
| M - 4.4.1   | 66           | Western Burrowing Owl Surveys                                   | ongoing              | /             |         |                                  | /         |          |         |                                  | /         |           |         |                                  |           | /              |         |                                  |           | /        |         |                                  | /         |           |         |                                  | /         |          |         | /                                |           |           |         | /                                |           |           |         |                                  |           |
| M - 4.4.1   | 67           | Migratory Bird Treaty Act                                       | ongoing              | /             |         |                                  | /         |          |         |                                  | /         |           |         |                                  |           | ✓              | C       | I-d                              |           | /        |         |                                  | /         |           |         |                                  | ✓         | C        | I-g     | /                                |           |           |         | /                                |           |           |         |                                  |           |
| M - 4.4.1   | 68           | Raptor Nests Habitat                                            | ongoing              | /             |         |                                  | /         |          |         |                                  | /         |           |         |                                  |           | /              |         |                                  |           | /        |         |                                  | /         |           |         |                                  | /         |          |         | /                                |           |           |         | /                                |           |           |         |                                  |           |
| M - 4.4.3   | 72           | Native Tree Mitigation                                          | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           | ✓        | C       | I-e                              |           | ✓         | C       | NONE                             |           | ✓        | C       | NONE                             |           | ✓         | C       | NONE                             |           | ✓         | C       | NONE                             |           |
| M - 4.4.3   | 73           | Nonnative Tree Mitigation                                       | status               |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           | ✓        | C       | NONE                             |           | ✓         | C       | NONE                             |           | ✓        | C       | NONE                             |           | ✓         | C       | NONE                             |           | ✓         | C       | NONE                             |           |
| M - 4.4.3   | 74           | Mitigation Tree Planting                                        | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           | ✓        | C       | NONE                             |           | ✓         | C       | NONE                             |           | ✓        | C       | NONE                             |           | ✓         | C       | NONE                             |           | ✓         | C       | NONE                             |           |
| M - 4.4.3   | 75           | Tree Planting Mitigation Site Prep                              | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           | ✓        | C       | I-e                              |           | ✓         | C       | NONE                             |           | ✓        | C       | NONE                             |           | ✓         | C       | NONE                             |           | ✓         | C       | NONE                             |           |
| M - 4.4.3   | 76           | Poultry Wire Screen                                             | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           | ✓        | C       | NONE                             |           | ✓         | C       | NONE                             |           | ✓        | C       | NONE                             |           | ✓         | C       | NONE                             |           | ✓         | C       | NONE                             |           |
| M - 4.4.3   | 77           | Backfill Material                                               | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           | ✓        | C       | NONE                             |           | ✓         | C       | NONE                             |           | ✓        | C       | NONE                             |           | ✓         | C       | NONE                             |           | ✓         | C       | NONE                             |           |
| M - 4.4.3   | 78           | Tree Planting Procedure                                         | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           | ✓        | C       | I-e                              |           | ✓         | C       | NONE                             |           | ✓        | C       | NONE                             |           | ✓         | C       | NONE                             |           | ✓         | C       | NONE                             |           |
| M - 4.4.3   | 79           | Tree Area Mulching                                              | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           | ✓        | C       | NONE                             |           | ✓         | C       | NONE                             |           | ✓        | C       | NONE                             |           | ✓         | C       | NONE                             |           | ✓         | C       | NONE                             |           |

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## (04-01-2014 through 06-30-2014)

| Reference #                    | Mitigation # | City Mitigation Measures and Conditions Monitored by Discipline | Monitoring Frequency | First Quarter |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           | Second Quarter |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
|--------------------------------|--------------|-----------------------------------------------------------------|----------------------|---------------|---------|----------------------------------|-----------|----------|---------|----------------------------------|-----------|-----------|---------|----------------------------------|-----------|-----------|---------|----------------------------------|-----------|----------------|---------|----------------------------------|-----------|-----------|---------|----------------------------------|-----------|----------|---------|----------------------------------|-----------|-----------|---------|----------------------------------|-----------|-----------|---------|----------------------------------|-----------|
|                                |              |                                                                 |                      | 1/15/2014     | Status* | Further Review Needed/Comments** | Resolved* | 2/5/2014 | Status* | Further Review Needed/Comments** | Resolved* | 2/19/2014 | Status* | Further Review Needed/Comments** | Resolved* | 3/12/2014 | Status* | Further Review Needed/Comments** | Resolved* | 4/2/2014       | Status* | Further Review Needed/Comments** | Resolved* | 4/16/2014 | Status* | Further Review Needed/Comments** | Resolved* | 5/7/2014 | Status* | Further Review Needed/Comments** | Resolved* | 6/11/2014 | Status* | Further Review Needed/Comments** | Resolved* | 6/24/2014 | Status* | Further Review Needed/Comments** | Resolved* |
|                                |              |                                                                 |                      |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| M - 4.4.3                      | 80           | Tree Irrigation/Fertilization                                   | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  | ✓         | C              | NONE    |                                  | ✓         | C         | NONE    |                                  | ✓         | C        | NONE    |                                  | ✓         | C         | NONE    |                                  | ✓         | C         | NONE    |                                  |           |
| M - 4.4.3                      | 81           | Irrigation System                                               | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| M - 4.4.3                      | 82           | Annual Tree Monitoring Report                                   | annual               |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| M - 4.9.2                      | 96           | Vector Activity Monitoring                                      | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| M - 4.9.2                      | 97           | Vector Elimination                                              | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| M - 4.9.2                      | 98           | Fly Control                                                     | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| M - 4.9.2                      | 99           | Rodent Control                                                  | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| M - 4.9.2                      | 100          | Operational Vector-Limiting Activity                            | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| M - 4.9.2                      | 101          | Equipment Cleanliness/Maintenance                               | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| M - 4.9.2                      | 102          | Storage of Vector-Attracting Items                              | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| M - 4.9.2                      | 103          | Salvaged Material Storage-Vector Control                        | ongoing              | ✓             | C       | NONE                             |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  | ✓         | C              | NONE    |                                  |           |           |         |                                  |           |          |         | ✓                                | C         | NONE      |         |                                  |           |           |         |                                  |           |
| M - 4.9.2                      | 104          | Periodic Vector Inspections                                     | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| M - 4.9.2                      | 105          | Implementation of Vector Control Measures                       | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
|                                |              |                                                                 |                      |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| Air Quality & Noise Specialist |              |                                                                 |                      |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
|                                |              |                                                                 |                      |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
|                                |              |                                                                 |                      |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| 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                             |           |
| 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                             |           |
| M - 4.2.11                     | 20           | Dust Lofting Minimization                                       | ongoing              | ✓             | FRN     | I-a                              |           |          |         |                                  |           | ✓         | FRN     | I-c                              |           |           |         |                                  | ✓         | C              | I-e     |                                  | ✓         | C         | I-f     |                                  | ✓         | C        | I-g     |                                  | ✓         | C         | I-h     |                                  | ✓         | C         | I-i     |                                  |           |
| 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                             |           |
| 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                             |           |
| 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                             |           |

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Checkmark = Condition or mitigation was monitored

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# Sunshine Canyon Landfill City Mitigation Monitoring Summary

## (04-01-2014 through 06-30-2014)

| Reference #                                | Mitigation # | City Mitigation Measures and Conditions Monitored by Discipline | Monitoring Frequency | First Quarter |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           | Second Quarter |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |   |    |      |  |  |  |
|--------------------------------------------|--------------|-----------------------------------------------------------------|----------------------|---------------|---------|----------------------------------|-----------|----------|---------|----------------------------------|-----------|-----------|---------|----------------------------------|-----------|-----------|---------|----------------------------------|-----------|----------------|---------|----------------------------------|-----------|-----------|---------|----------------------------------|-----------|----------|---------|----------------------------------|-----------|-----------|---------|----------------------------------|-----------|-----------|---------|----------------------------------|-----------|---|----|------|--|--|--|
|                                            |              |                                                                 |                      | 1/15/2014     | Status* | Further Review Needed/Comments** | Resolved* | 2/5/2014 | Status* | Further Review Needed/Comments** | Resolved* | 2/19/2014 | Status* | Further Review Needed/Comments** | Resolved* | 3/12/2014 | Status* | Further Review Needed/Comments** | Resolved* | 4/2/2014       | Status* | Further Review Needed/Comments** | Resolved* | 4/16/2014 | Status* | Further Review Needed/Comments** | Resolved* | 5/7/2014 | Status* | Further Review Needed/Comments** | Resolved* | 6/11/2014 | Status* | Further Review Needed/Comments** | Resolved* | 6/24/2014 | Status* | Further Review Needed/Comments** | Resolved* |   |    |      |  |  |  |
| 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                             |           | / | NA | NONE |  |  |  |
| M - 4.2.12                                 | 25           | Refuse Trucks-Maintenance                                       | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |   |    |      |  |  |  |
| M - 4.2.12                                 |              | Refuse Trucks-Engine                                            | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |   |    |      |  |  |  |
| M - 4.2.12                                 |              | Refuse Trucks-Fee Schedule                                      | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |   |    |      |  |  |  |
| M - 4.2.12                                 |              | Refuse Trucks-Fee Schedule Delivery Time                        | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |   |    |      |  |  |  |
| M - 4.2.12                                 |              | Refuse Trucks-Idling                                            | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |   |    |      |  |  |  |
| M - 4.2.12                                 |              | Refuse Trucks-Emissions                                         | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |   |    |      |  |  |  |
| M - 4.2.12                                 | 26           | Truck Travel and Fugitive Dust Emissions                        | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |   |    |      |  |  |  |
| M - 4.2.12                                 |              | Truck Travel and Fugitive Dust Emissions                        | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |   |    |      |  |  |  |
| M - 4.2.12                                 |              | Truck Travel and Fugitive Dust Emissions                        | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |   |    |      |  |  |  |
| M - 4.2.12                                 |              | Truck Travel and Fugitive Dust Emissions                        | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |   |    |      |  |  |  |
| M - 4.5.2                                  | 83           | Landfill Hours                                                  | info                 | /             |         |                                  | /         |          |         |                                  | /         |           |         |                                  | /         |           |         |                                  | /         |                |         |                                  | /         |           |         |                                  | /         |          |         |                                  | /         |           |         |                                  | /         |           |         |                                  | /         |   |    |      |  |  |  |
| 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                             | ✓         | C         | NONE    | ✓                                | C         | NONE      | ✓       | C                                | NONE      | ✓ | C  | NONE |  |  |  |
|                                            |              |                                                                 |                      |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |   |    |      |  |  |  |
| Hydrology, Hazardous Waste / Risk of Upset |              |                                                                 |                      |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |   |    |      |  |  |  |
|                                            |              |                                                                 |                      |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |   |    |      |  |  |  |
|                                            |              |                                                                 |                      |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |   |    |      |  |  |  |
| M - 4.3.2                                  | 53           | Groundwater Monitoring Wells                                    | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |   |    |      |  |  |  |
| 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                             | ✓         | C         | NONE    | ✓                                | C         | NONE      | ✓       | C                                | NONE      | ✓ | C  | NONE |  |  |  |
| 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                             | /         | NA        | NONE    | /                                | NA        | NONE      | /       | NA                               | NONE      | / | NA | NONE |  |  |  |
| M - 4.9.1                                  | 90           | Refuse Inspection Program                                       | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |   |    |      |  |  |  |
| M - 4.9.1                                  | 91           | Hazardous Waste Load-Checking                                   | status               |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |   |    |      |  |  |  |
| M - 4.9.1                                  | 93           | Hazardous Waste Detection Training                              | status               |               |         |                                  |           |          |         |                                  | ✓         | C         | NONE    |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |   |    |      |  |  |  |

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|----------------|--------------|-----------------------------------------------------------------|----------------------|---------------|---------|----------------------------------|-----------|----------|---------|----------------------------------|-----------|-----------|---------|----------------------------------|-----------|-----------|---------|----------------------------------|-----------|----------------|---------|----------------------------------|-----------|-----------|---------|----------------------------------|-----------|----------|---------|----------------------------------|-----------|-----------|---------|----------------------------------|-----------|-----------|---------|----------------------------------|-----------|--|
|                |              |                                                                 |                      | 1/15/2014     | Status* | Further Review Needed/Comments** | Resolved* | 2/5/2014 | Status* | Further Review Needed/Comments** | Resolved* | 2/19/2014 | Status* | Further Review Needed/Comments** | Resolved* | 3/12/2014 | Status* | Further Review Needed/Comments** | Resolved* | 4/2/2014       | Status* | Further Review Needed/Comments** | Resolved* | 4/16/2014 | Status* | Further Review Needed/Comments** | Resolved* | 5/7/2014 | Status* | Further Review Needed/Comments** | Resolved* | 6/11/2014 | Status* | Further Review Needed/Comments** | Resolved* | 6/24/2014 | Status* | Further Review Needed/Comments** | Resolved* |  |
|                |              |                                                                 |                      |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |  |
| M - 4.9.1      | 94           | Spill Response Program                                          | status               |               |         |                                  |           |          |         |                                  |           | ✓         | C       | NONE                             |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |  |
| M - 4.9.4      | 115          | Safety Inspections/Checklists                                   | ongoing              |               |         |                                  |           |          |         |                                  |           | ✓         | C       | NONE                             |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |  |
| M - 4.9.4      | 118          | Accident/Injury reports, Inspections                            | status               |               |         |                                  |           |          |         |                                  |           | ✓         | C       | NONE                             |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |  |
| M - 4.9.4      | 121          | Fire Prevention Plan                                            | ongoing              | ✓             | FRN     | I-a                              |           |          |         |                                  |           | ✓         | FRN     | I-c                              |           | ✓         | C       | I-d                              |           | ✓              | C       | I-e                              |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |  |
| M - 4.9.4      | 123          | Personal Protective Equipment                                   | ongoing              |               |         |                                  |           |          |         |                                  |           | ✓         | C       | NONE                             |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |  |
| M - 4.9.4      | 125          | Site Access/Fencing                                             | ongoing              | ✓             | FRN     | I-a                              |           |          |         |                                  |           | ✓         | FRN     | I-c                              |           | ✓         | FRN     | I-d                              |           |                |         |                                  | ✓         | FRN       | I-f     |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |  |
| M - 4.14.1     | 147          | Fire Response Capabilities                                      | ongoing              |               |         |                                  |           |          |         |                                  |           | ✓         | C       | NONE                             |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |  |
| M - 4.14.1     | 148          | Hydrant Installation                                            | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |  |
|                |              |                                                                 |                      |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |  |
| Archaeologist  |              |                                                                 |                      |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |  |
|                |              |                                                                 |                      |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |  |
|                |              |                                                                 |                      |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |  |
| M - 4.19.1     | 183          | Archaeological Resurvey                                         | ongoing              | /             | NA      | NONE                             |           | /        | NA      | NONE                             |           | /         | NA      | NONE                             |           | ✓         | FRN     | I-d                              |           | ✓              | C       | I-e                              |           |           |         |                                  |           |          | ✓       | C                                | I-h       |           |         |                                  |           |           |         |                                  |           |  |
| M - 4.19.1     | 184          | Onsite Archaeologist                                            | ongoing              | /             | NA      | NONE                             |           | /        | NA      | NONE                             |           | /         | NA      | NONE                             |           |           |         |                                  |           | ✓              | C       | NONE                             |           | ✓         | C       | NONE                             |           | ✓        | C       | NONE                             |           | ✓         | C       | NONE                             |           | ✓         | C       | NONE                             |           |  |
| M - 4.19.1     | 185          | Archaeological Resources                                        | ongoing              | /             | NA      | NONE                             |           | /        | NA      | NONE                             |           | /         | NA      | NONE                             |           |           |         |                                  |           | /              | NA      | NONE                             |           | /         | NA      | NONE                             |           | /        | NA      | NONE                             |           | /         | NA      | NONE                             |           | /         | NA      | NONE                             |           |  |
| M - 4.19.1     | 186          | Archaeological Resources                                        | ongoing              | /             | NA      | NONE                             |           | /        | NA      | NONE                             |           | /         | NA      | NONE                             |           |           |         |                                  |           | /              | NA      | NONE                             |           | /         | NA      | NONE                             |           | /        | NA      | NONE                             |           | /         | NA      | NONE                             |           | /         | NA      | NONE                             |           |  |
|                |              |                                                                 |                      |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |  |
| Paleontologist |              |                                                                 |                      |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |  |
|                |              |                                                                 |                      |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |  |
|                |              |                                                                 |                      |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |  |
| M - 4.19.2     | 187          | Paleontological Resources Resurvey                              | ongoing              | /             | NA      | NONE                             |           | /        | NA      | NONE                             |           | /         | NA      | NONE                             |           | ✓         | FRN     | I-d                              |           | ✓              | C       | I-e                              |           |           |         |                                  |           |          | ✓       | C                                | I-h       |           |         |                                  |           |           |         |                                  |           |  |
| 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                             |           |  |
| M - 4.19.2     | 189          | Paleontological Resources Training                              | ongoing              | /             | NA      | NONE                             |           | /        | NA      | NONE                             |           | /         | NA      | NONE                             |           |           |         |                                  |           | ✓              | C       | NONE                             |           | ✓         | C       | NONE                             |           | ✓        | C       | NONE                             |           | ✓         | C       | NONE                             |           | ✓         | C       | NONE                             |           |  |
| M - 4.19.2     | 190          | Paleontological Resources Recovery                              | ongoing              | /             | NA      | NONE                             |           | /        | NA      | NONE                             |           | /         | NA      | NONE                             |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |  |

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Checkmark = Condition or mitigation was monitored

/ = Yearly or non-ongoing monitoring frequency



# Sunshine Canyon Landfill City Mitigation Monitoring Summary

## (04-01-2014 through 06-30-2014)

| Reference # | Mitigation # | City Mitigation Measures and Conditions Monitored by Discipline | Monitoring Frequency | First Quarter |         |                                  |           |          |         |                                  |           |           |         |                                  |           | Second Quarter |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |     |     |  |
|-------------|--------------|-----------------------------------------------------------------|----------------------|---------------|---------|----------------------------------|-----------|----------|---------|----------------------------------|-----------|-----------|---------|----------------------------------|-----------|----------------|---------|----------------------------------|-----------|----------|---------|----------------------------------|-----------|-----------|---------|----------------------------------|-----------|----------|---------|----------------------------------|-----------|-----------|---------|----------------------------------|-----------|-----|-----|--|
|             |              |                                                                 |                      | 1/15/2014     | Status* | Further Review Needed/Comments** | Resolved* | 2/5/2014 | Status* | Further Review Needed/Comments** | Resolved* | 2/19/2014 | Status* | Further Review Needed/Comments** | Resolved* | 3/12/2014      | Status* | Further Review Needed/Comments** | Resolved* | 4/2/2014 | Status* | Further Review Needed/Comments** | Resolved* | 4/16/2014 | Status* | Further Review Needed/Comments** | Resolved* | 5/7/2014 | Status* | Further Review Needed/Comments** | Resolved* | 6/11/2014 | Status* | Further Review Needed/Comments** | Resolved* |     |     |  |
|             |              |                                                                 |                      |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |     |     |  |
| M - 4.19.2  | 191          | Paleontological Resources Inspection                            | ongoing              | /             | NA      | NONE                             |           | /        | NA      | NONE                             |           | /         | NA      | NONE                             |           |                |         |                                  | ✓         | FRN      | I-e     |                                  | ✓         | FRN       | I-f     |                                  | ✓         | FRN      | I-g     |                                  | ✓         | FRN       | I-h     |                                  | ✓         | FRN | I-i |  |

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# Sunshine Canyon Landfill County Mitigation Monitoring Summary

## (04-01-2014 through 06-30-2014)

| Reference #                       | Mitigation # | County Mitigation Measures and Conditions Monitored by Discipline | Monitoring Frequency | First Quarter |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           | Second Quarter |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
|-----------------------------------|--------------|-------------------------------------------------------------------|----------------------|---------------|---------|----------------------------------|-----------|----------|---------|----------------------------------|-----------|-----------|---------|----------------------------------|-----------|-----------|---------|----------------------------------|-----------|----------------|---------|----------------------------------|-----------|-----------|---------|----------------------------------|-----------|----------|---------|----------------------------------|-----------|-----------|---------|----------------------------------|-----------|-----------|---------|----------------------------------|-----------|
|                                   |              |                                                                   |                      | 1/15/2014     | Status* | Further Review Needed/Comments** | Resolved* | 2/5/2014 | Status* | Further Review Needed/Comments** | Resolved* | 2/19/2014 | Status* | Further Review Needed/Comments** | Resolved* | 3/12/2014 | Status* | Further Review Needed/Comments** | Resolved* | 4/2/2014       | Status* | Further Review Needed/Comments** | Resolved* | 4/16/2014 | Status* | Further Review Needed/Comments** | Resolved* | 5/7/2014 | Status* | Further Review Needed/Comments** | Resolved* | 6/11/2014 | Status* | Further Review Needed/Comments** | Resolved* | 6/24/2014 | Status* | Further Review Needed/Comments** | Resolved* |
|                                   |              |                                                                   |                      |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| Project Manager                   |              |                                                                   |                      |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
|                                   |              |                                                                   |                      |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
|                                   |              |                                                                   |                      |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
|                                   |              |                                                                   |                      |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| 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                             |           |           |         |                                  |           |
| 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                             |           |           |         |                                  |           |
| Amendment 45.N-4.a                | 45N          | Order for Abatement Status                                        | ongoing              | /             |         | I-a                              |           | /        |         | I-b                              |           | /         |         | I-c                              |           | /         |         | I-d                              |           | /              |         | I-e                              |           | /         |         | I-f                              |           | /        |         | I-g                              |           | /         |         | I-h                              |           | /         |         | I-i                              |           |
| Amendment 45.N-4.c                | 45N          | Odor Patrol Program                                               | ongoing              | /             |         | I-a                              |           | ✓        | FRN     | I-b                              |           | /         |         | I-c                              |           | /         |         | I-d                              |           | /              |         | I-e                              |           | /         |         | I-f                              |           | /        |         | I-g                              |           | /         |         | I-h                              |           | /         |         | I-i                              |           |
| Amendment 45.N-4.d                | 45N          | Landfill Gas Mitigation Plan                                      | ongoing              | /             |         | I-a                              |           | /        |         | I-b                              |           | /         |         | I-c                              |           | /         |         | I-d                              |           | /              |         | I-e                              |           | /         |         | I-f                              |           | /        |         | I-g                              |           | /         |         | I-h                              |           | /         |         | I-i                              |           |
| Amendment 45.N-5                  | 45N          | Dust and Odor Reports                                             | ongoing              | /             |         | I-a                              |           | /        |         | I-b                              |           | /         |         | I-c                              |           | /         |         | I-d                              |           | /              |         | I-e                              |           | /         |         | I-f                              |           | /        |         | I-g                              |           | /         |         | I-h                              |           | /         |         | I-i                              |           |
|                                   |              |                                                                   |                      |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| Combined Site & Bridge Area -20.A | 20.A         | Joint Powers Authority                                            | info                 | /             |         |                                  |           | /        |         |                                  |           | /         |         |                                  |           | /         |         |                                  |           | /              |         |                                  |           | /         |         |                                  |           | /        |         |                                  |           | /         |         |                                  |           |           |         |                                  |           |
| Combined Site & Bridge Area -20.F | 20.F         | Mitigation Reporting and Monitoring Program                       | status               | /             |         |                                  |           | /        |         |                                  |           | /         |         |                                  |           | /         |         |                                  |           | /              |         |                                  |           | /         |         |                                  |           | /        |         |                                  |           | /         |         |                                  |           |           |         |                                  |           |
| Landfill Capacity -27             | 27           | Tipping Fees for Partial Loads/Peak Hours                         | status               |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| Grading & Drainage-41.A -.D       | 41A.D        | Water Conservation                                                | status               | ✓             | C       | NONE                             |           | ✓        | C       | NONE                             |           | ✓         | C       | NONE                             |           | ✓         | C       | NONE                             |           | ✓              | C       | NONE                             |           | ✓         | C       | NONE                             |           | ✓        | C       | NONE                             |           | ✓         | C       | NONE                             |           | ✓         | C       | NONE                             |           |
| Revegetation -44.F                | 44.F         | Revegetation                                                      | status               | ✓             | FRN     | I-a                              |           | ✓        | FRN     | I-b                              |           | ✓         | FRN     | I-c                              |           | ✓         | FRN     | I-d                              |           |                |         |                                  | ✓         | FRN       | I-f     |                                  | ✓         | FRN      | I-g     |                                  | ✓         | FRN       | I-h     |                                  | ✓         | C         | I-i     |                                  |           |
| Fugitive Dust -45.B               | 45.B         | Working Face Areas                                                | ongoing              | ✓             | C       | NONE                             |           | ✓        | C       | NONE                             |           | ✓         | C       | NONE                             |           | ✓         | C       | NONE                             |           | ✓              | C       | NONE                             |           | ✓         | C       | NONE                             |           | ✓        | C       | NONE                             |           | ✓         | C       | NONE                             |           | ✓         | C       | NONE                             |           |
| Fugitive Dust -45.F               | 45.F         | Inactive Areas Monitoring                                         | ongoing              | ✓             | FRN     | I-a                              |           | ✓        | FRN     | I-b                              |           | ✓         | FRN     | I-c                              |           | ✓         | C       | NONE                             |           | ✓              | C       | NONE                             |           | ✓         | C       | NONE                             |           | ✓        | C       | NONE                             |           | ✓         | C       | NONE                             |           | ✓         | C       | NONE                             |           |
| Fugitive Dust -45.I               | 45.I         | Cleaning of Roads                                                 | ongoing              | ✓             | C       | NONE                             |           | ✓        | C       | NONE                             |           | ✓         | C       | NONE                             |           | ✓         | C       | NONE                             |           | ✓              | C       | NONE                             |           | ✓         | C       | NONE                             |           | ✓        | C       | NONE                             |           | ✓         | C       | NONE                             |           | ✓         | C       | NONE                             |           |
| Litter Control -46.A -.D          | 46A.D        | Litter Control Program                                            | ongoing              | ✓             | C       | NONE                             |           | ✓        | C       | NONE                             |           | ✓         | C       | NONE                             |           | ✓         | C       | NONE                             |           | ✓              | C       | NONE                             |           | ✓         | C       | NONE                             |           | ✓        | C       | NONE                             |           | ✓         | C       | NONE                             |           | ✓         | C       | NONE                             |           |
| Gas - 52                          | 52           | Landfill Gas Collection System                                    | ongoing              | ✓             | C       | I-a                              |           |          |         |                                  |           | ✓         | C       | I-c                              |           |           |         |                                  |           |                |         |                                  |           | ✓         | C       | I-g                              |           |          |         |                                  |           | ✓         | C       | I-g                              |           |           |         |                                  |           |
| Traffic - 57                      | 57           | Traffic Improvements                                              | status               | ✓             | C       | NONE                             |           | ✓        | C       | NONE                             |           | ✓         | C       | NONE                             |           | ✓         | C       | NONE                             |           | ✓              | C       | NONE                             |           | ✓         | C       | NONE                             |           | ✓        | C       | NONE                             |           | ✓         | C       | NONE                             |           | ✓         | C       | NONE                             |           |
| Traffic - 60                      | 60           | Street Light Installation                                         | status               | ✓             | C       | NONE                             |           | ✓        | C       | NONE                             |           | ✓         | C       | NONE                             |           | ✓         | C       | NONE                             |           | ✓              | C       | NONE                             |           | ✓         | C       | NONE                             |           | ✓        | C       | NONE                             |           | ✓         | C       | NONE                             |           | ✓         | C       | NONE                             |           |
| Traffic - 61                      | 61           | Traffic Minimization                                              | ongoing              | ✓             | 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

## (04-01-2014 through 06-30-2014)

| Reference #                      | Mitigation # | County Mitigation Measures and Conditions Monitored by Discipline | Monitoring Frequency | First Quarter |         |                                  |           |          |         |                                  |           |           |         |                                  |           | Second Quarter |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
|----------------------------------|--------------|-------------------------------------------------------------------|----------------------|---------------|---------|----------------------------------|-----------|----------|---------|----------------------------------|-----------|-----------|---------|----------------------------------|-----------|----------------|---------|----------------------------------|-----------|----------|---------|----------------------------------|-----------|-----------|---------|----------------------------------|-----------|----------|---------|----------------------------------|-----------|-----------|---------|----------------------------------|-----------|-----------|---------|----------------------------------|-----------|
|                                  |              |                                                                   |                      | 1/15/2014     | Status* | Further Review Needed/Comments** | Resolved* | 2/5/2014 | Status* | Further Review Needed/Comments** | Resolved* | 2/19/2014 | Status* | Further Review Needed/Comments** | Resolved* | 3/12/2014      | Status* | Further Review Needed/Comments** | Resolved* | 4/2/2014 | Status* | Further Review Needed/Comments** | Resolved* | 4/16/2014 | Status* | Further Review Needed/Comments** | Resolved* | 5/7/2014 | Status* | Further Review Needed/Comments** | Resolved* | 6/11/2014 | Status* | Further Review Needed/Comments** | Resolved* | 6/24/2014 | Status* | Further Review Needed/Comments** | Resolved* |
|                                  |              |                                                                   |                      |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| Permittee Fees - 64 - 72         | 64-72        | Permittee Fees                                                    | info                 | /             |         |                                  |           | /        |         |                                  |           | /         |         |                                  |           | /              |         |                                  |           | /        |         |                                  |           | /         |         |                                  |           | /        |         |                                  |           | /         |         |                                  |           | /         |         |                                  |           |
| Permittee Fees - 69              | 69           | Permittee Fees-Contributions                                      | info                 | /             |         |                                  |           | /        |         |                                  |           | /         |         |                                  |           | /              |         |                                  |           | /        |         |                                  |           | /         |         |                                  |           | /        |         |                                  |           | /         |         |                                  |           | /         |         |                                  |           |
| Permittee Fees - 70              | 70           | Permittee Fees                                                    | info                 | /             |         |                                  |           | /        |         |                                  |           | /         |         |                                  |           | /              |         |                                  |           | /        |         |                                  |           | /         |         |                                  |           | /        |         |                                  |           | /         |         |                                  |           | /         |         |                                  |           |
| Permittee Fees - 72              | 72           | Permittee Fees                                                    | info                 | /             |         |                                  |           | /        |         |                                  |           | /         |         |                                  |           | /              |         |                                  |           | /        |         |                                  |           | /         |         |                                  |           | /        |         |                                  |           | /         |         |                                  |           | /         |         |                                  |           |
| Alternative Fuel Vehicles - 77.A | 77.A         | Alternative Fuel Vehicles-Light Duty                              | status               | ✓             | C       | NONE                             |           | ✓        | C       | NONE                             |           | ✓         | C       | NONE                             |           | ✓              | C       | NONE                             |           | ✓        | C       | NONE                             |           | ✓         | C       | NONE                             |           | ✓        | C       | NONE                             |           | ✓         | C       | NONE                             |           | ✓         | C       | NONE                             |           |
| Alternative Fuel Vehicles - 77.B | 77.B         | Alternative Fuel Vehicles-Refuse/Collection Trucks                | status               | ✓             | C       | NONE                             |           | ✓        | C       | NONE                             |           | ✓         | C       | NONE                             |           | ✓              | C       | NONE                             |           | ✓        | C       | NONE                             |           | ✓         | C       | NONE                             |           | ✓        | C       | NONE                             |           | ✓         | C       | NONE                             |           | ✓         | C       | NONE                             |           |
| Alternative Fuel Vehicles - 77.C | 77.C         | Alternative Fuel Vehicles-Report                                  | status               |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| Alternative Fuel Vehicles - 77.D | 77.D         | Alternative Fuel Vehicles-heavy-duty, alternative fuel off.       | status               |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| Alternative Fuel Vehicles - 77.E | 77.E         | Alternative Fuel Vehicles-Non-diesel Requirements                 | status               |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| Alternative Fuel Vehicles - 77.F | 77.F         | Alternative Fuel Vehicles-Non-diesel Truck Trip                   | status               |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| Alternative Fuel Vehicles - 77.G | 77.G         | Alternative Fuel Vehicles-Clean Fuel Demo Program                 | status               |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| Alternative Fuel Vehicles - 77.H | 77.H         | Alternative Fuel Vehicles-Compliance Evaluation                   | status               |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| Air Quality Monitoring - 81      | 81           | Air Quality Monitoring-Testing                                    | ongoing              | /             |         |                                  |           | /        |         |                                  |           | /         |         |                                  |           | /              |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
|                                  |              | Air Quality Monitoring-Testing                                    |                      |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| IMP - Part I..A                  | IMP 1        | Air Quality Monitoring-Testing                                    | ongoing              | /             |         |                                  |           | /        |         |                                  |           | /         |         |                                  |           | /              |         |                                  |           | /        |         |                                  |           | /         |         |                                  |           | /        |         |                                  |           | /         |         |                                  |           | /         |         |                                  |           |
|                                  |              | Air Quality Monitoring-Testing                                    |                      |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| IMP - Part VI                    | IMP 6        | Air Quality Monitoring-Testing                                    | ongoing              | /             |         |                                  |           | /        |         |                                  |           | /         |         |                                  |           | /              |         |                                  |           | /        |         |                                  |           | /         |         |                                  |           | /        |         |                                  |           | /         |         |                                  |           | /         |         |                                  |           |
|                                  |              |                                                                   |                      |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| MMRS-12/01/06                    |              | Mitigation Monitoring and Reporting Summary                       | info                 | /             |         |                                  |           | /        |         |                                  |           | /         |         |                                  |           | /              |         |                                  |           | /        |         |                                  |           | /         |         |                                  |           | /        |         |                                  |           | /         |         |                                  |           | /         |         |                                  |           |
|                                  |              | Permits                                                           |                      |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| Geology - 1.15                   |              | Permittee's On-site Solid Waste Recovery and                      | status               | /             |         |                                  |           | /        |         |                                  |           | /         |         |                                  |           | /              |         |                                  |           | /        |         |                                  |           | /         |         |                                  |           | /        |         |                                  |           | /         |         |                                  |           | /         |         |                                  |           |
| Surface Water - 2.09             |              | SWRCB Permit Coverage                                             | ongoing              | /             |         |                                  |           | /        |         |                                  |           | /         |         |                                  |           | /              |         |                                  |           | /        |         |                                  |           | /         |         |                                  |           | /        |         |                                  |           | /         |         |                                  |           | /         |         |                                  |           |

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# Sunshine Canyon Landfill County Mitigation Monitoring Summary

## (04-01-2014 through 06-30-2014)

| Reference #          | Mitigation # | County Mitigation Measures and Conditions Monitored by Discipline | Monitoring Frequency | First Quarter |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           | Second Quarter |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
|----------------------|--------------|-------------------------------------------------------------------|----------------------|---------------|---------|----------------------------------|-----------|----------|---------|----------------------------------|-----------|-----------|---------|----------------------------------|-----------|-----------|---------|----------------------------------|-----------|----------------|---------|----------------------------------|-----------|-----------|---------|----------------------------------|-----------|----------|---------|----------------------------------|-----------|-----------|---------|----------------------------------|-----------|-----------|---------|----------------------------------|-----------|
|                      |              |                                                                   |                      | 1/15/2014     | Status* | Further Review Needed/Comments** | Resolved* | 2/5/2014 | Status* | Further Review Needed/Comments** | Resolved* | 2/19/2014 | Status* | Further Review Needed/Comments** | Resolved* | 3/12/2014 | Status* | Further Review Needed/Comments** | Resolved* | 4/2/2014       | Status* | Further Review Needed/Comments** | Resolved* | 4/16/2014 | Status* | Further Review Needed/Comments** | Resolved* | 5/7/2014 | Status* | Further Review Needed/Comments** | Resolved* | 6/11/2014 | Status* | Further Review Needed/Comments** | Resolved* | 6/24/2014 | Status* | Further Review Needed/Comments** | Resolved* |
|                      |              |                                                                   |                      |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| Surface Water - 2.15 |              | Surface Water Preventive Maintenance Program                      | ongoing              | ✓             | FRN     | I-a                              |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           | ✓       | FRN                              | I-i       |           |         |                                  |           |
| Groundwater - 3.13   |              | Groundwater-LFG Migration Mitigation                              | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| Groundwater - 3.14   |              | Groundwater-Monitoring Wells                                      | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| BIOTA – 4.05         |              | Annual Fee Submission for SEA Studies                             | status               | /             |         |                                  | /         |          |         |                                  | /         |           |         | /                                |           |           |         | /                                |           |                | /       |                                  |           |           | /       |                                  |           | /        |         |                                  |           | /         |         |                                  |           |           |         |                                  |           |
| 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                             | ✓         | C         | NONE    | ✓                                | C         | NONE      |         |                                  |           |
| 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                             | ✓         | C         | NONE    | ✓                                | C         | NONE      |         |                                  |           |
| 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                             | ✓         | C         | NONE    | ✓                                | C         | NONE      |         |                                  |           |
| BIOTA – 4.47         |              | Cleaning of Equipment                                             | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| BIOTA – 4.48         |              | Monitoring of Vector-Attracting Items                             | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| BIOTA – 4.49         |              | Salvaged Material Storage-Vector Control                          | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         | ✓                                | C         | NONE           |         |                                  |           |           |         |                                  |           | ✓        | C       | NONE                             |           |           |         |                                  |           |           |         |                                  |           |
| BIOTA – 4.50         |              | Vector Activity Monitoring                                        | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| Air Quality - 6.03   |              | Dust Emission Minimization                                        | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| 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                             | ✓         | C         | NONE    | ✓                                | C         | NONE      |         |                                  |           |
| Air Quality - 6.05   |              | Operations in Accordance with SCAQMD/DOPW                         | info                 | /             |         |                                  | /         |          |         | /                                |           |           | /       |                                  |           | /         |         |                                  |           | /              |         |                                  | /         |           |         | /                                |           |          | /       |                                  |           | /         |         |                                  |           |           |         |                                  |           |
| Air Quality - 6.06   |              | Landfill Gas Control/Extraction System/Monitoring                 | ongoing              | /             |         |                                  | /         |          |         | /                                |           |           | /       |                                  |           | /         |         |                                  | /         |                |         | /                                |           |           | /       |                                  |           | /        |         |                                  | /         |           |         | /                                |           |           |         |                                  |           |
| Air Quality - 6.07   |              | Flaring Systems                                                   | info                 | /             |         |                                  | /         |          |         | /                                |           |           | /       |                                  |           | /         |         |                                  | /         |                |         | /                                |           |           | /       |                                  |           | /        |         |                                  | /         |           |         | /                                |           |           |         |                                  |           |
| Air Quality - 6.08   |              | Management of Truck Arrivals                                      | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| Air Quality - 6.10   |              | Refuse Truck Mitigation                                           | status               |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| 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                             | ✓         | C         | NONE    | ✓                                | C         | NONE      |         |                                  |           |
| Air Quality - 6.11   |              | Alternative Fuel Refuse Collection/Transfer Trucks                | status               |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| Air Quality - 6.11   |              | Alternative Fuel Vehicle Report Submission                        | status               |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| Air Quality - 6.11   |              | Heavy-duty, Alternative Fuel Off-Road Equipment Pilot             | status               |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |

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# Sunshine Canyon Landfill County Mitigation Monitoring Summary

## (04-01-2014 through 06-30-2014)

| Reference #                | Mitigation # | County Mitigation Measures and Conditions Monitored by Discipline | Monitoring Frequency | First Quarter |         |                                  |           |          |         |                                  |           |           |         |                                  |           | Second Quarter |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
|----------------------------|--------------|-------------------------------------------------------------------|----------------------|---------------|---------|----------------------------------|-----------|----------|---------|----------------------------------|-----------|-----------|---------|----------------------------------|-----------|----------------|---------|----------------------------------|-----------|----------|---------|----------------------------------|-----------|-----------|---------|----------------------------------|-----------|----------|---------|----------------------------------|-----------|-----------|---------|----------------------------------|-----------|-----------|---------|----------------------------------|-----------|
|                            |              |                                                                   |                      | 1/15/2014     | Status* | Further Review Needed/Comments** | Resolved* | 2/5/2014 | Status* | Further Review Needed/Comments** | Resolved* | 2/19/2014 | Status* | Further Review Needed/Comments** | Resolved* | 3/12/2014      | Status* | Further Review Needed/Comments** | Resolved* | 4/2/2014 | Status* | Further Review Needed/Comments** | Resolved* | 4/16/2014 | Status* | Further Review Needed/Comments** | Resolved* | 5/7/2014 | Status* | Further Review Needed/Comments** | Resolved* | 6/11/2014 | Status* | Further Review Needed/Comments** | Resolved* | 6/24/2014 | Status* | Further Review Needed/Comments** | Resolved* |
|                            |              |                                                                   |                      |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| Air Quality - 6.11         |              | Non-Diesel, Alternative Fuel Vehicles-Transfer/Collection         | status               |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| Air Quality - 6.11         |              | Non-Diesel, Alternative Fuel VehiclesTruck Trips                  | status               |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| Air Quality - 6.11         |              | Clean Fuel Demonstration Program                                  | status               |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| Air Quality - 6.11         |              | Compliance Evaluation                                             | status               |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| 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                             |           |
| 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                             |           |
| Odor/Landfill Gas – 7.04   |              | Gas Collection/Flare System Risk Mitigation                       | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| Odor/Landfill Gas – 7.05   |              | Wellhead Awareness                                                | status               | ✓             | C       | NONE                             |           | ✓        | C       | NONE                             |           | ✓         | C       | NONE                             |           | ✓              | C       | NONE                             |           | ✓        | C       | NONE                             |           | ✓         | C       | NONE                             |           | ✓        | C       | NONE                             |           | ✓         | C       | NONE                             |           | ✓         | C       | NONE                             |           |
| Odor/Landfill Gas – 7.06   |              | Odor Control Measures                                             | ongoing              |               |         |                                  |           | ✓        | FRN     | I-b                              |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| Odor/Landfill Gas – 7.07   |              | Gas Recovery and Sale                                             | status               | ✓             | C       | I-a                              |           |          |         |                                  |           | ✓         | C       | I-c                              |           |                |         |                                  |           |          |         |                                  |           |           |         | ✓                                | C         | I-g      |         |                                  |           |           |         | ✓                                | C         | I-i       |         |                                  |           |
| Traffic/Circulation – 8.03 |              | Street Light Installation                                         | status               | ✓             | C       | NONE                             |           | ✓        | C       | NONE                             |           | ✓         | C       | NONE                             |           | ✓              | C       | NONE                             |           | /        |         |                                  |           | /         |         |                                  | /         |          | ✓       | C                                | NONE      |           | ✓       | C                                | NONE      |           | ✓       | C                                | NONE      |
| Traffic/Circulation – 8.04 |              | Truck Traffic Minimization                                        | status               |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| Traffic/Circulation – 8.08 |              | Tipping Fees for Partial Loads/Peak Hours                         | status               |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| Traffic/Circulation – 8.10 |              | Nighttime Landfill Operations Feasibility                         | status               | /             |         |                                  |           | /        |         |                                  |           | /         |         |                                  |           | /              |         |                                  |           | /        |         |                                  |           | /         |         |                                  | /         |          |         |                                  |           | /         |         |                                  | /         |           |         |                                  |           |
| Traffic/Circulation – 8.11 |              | Parking Management along San Fernando Road                        | status               | /             |         |                                  |           | /        |         |                                  |           | /         |         |                                  |           | /              |         |                                  |           | /        |         |                                  |           | /         |         |                                  | /         |          |         |                                  |           | /         |         |                                  | /         |           |         |                                  |           |
| Traffic/Circulation – 8.13 |              | Adequate Queuing                                                  | status               | /             |         |                                  |           | /        |         |                                  |           | /         |         |                                  |           | /              |         |                                  |           | /        |         |                                  |           | /         |         |                                  | /         |          |         |                                  |           | /         |         |                                  | /         |           |         |                                  |           |
| Visual – 10.03             |              | Landfill Flare Locations                                          | status               | /             |         |                                  |           | /        |         |                                  |           | /         |         |                                  |           | /              |         |                                  |           | /        |         |                                  |           | /         |         |                                  | /         |          |         |                                  |           | /         |         |                                  | /         |           |         |                                  |           |
| Visual – 10.04             |              | Confinement of Excavation Cover Material                          | status               |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| Visual – 10.05             |              | Lighting Requirements                                             | status               |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| Visual – 10.11             |              | Litter Control Program                                            | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| Visual – 10.11             |              | Solid Waste Load Procedures-Improperly Covered/Contained          | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| Visual – 10.11             |              | Debris Removal at Entrance                                        | ongoing              | ✓             | FRN     | I-a                              |           | ✓        | FRN     | I-b                              |           | ✓         | FRN     | I-c                              |           | ✓              | FRN     | I-d                              |           | ✓        | FRN     | I-e                              |           | ✓         | FRN     | I-f                              |           | ✓        | FRN     | I-h                              |           |           |         |                                  |           |           |         |                                  |           |

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# Sunshine Canyon Landfill County Mitigation Monitoring Summary

## (04-01-2014 through 06-30-2014)

| Reference #                   | Mitigation # | County Mitigation Measures and Conditions Monitored by Discipline | Monitoring Frequency | First Quarter |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           | Second Quarter |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
|-------------------------------|--------------|-------------------------------------------------------------------|----------------------|---------------|---------|----------------------------------|-----------|----------|---------|----------------------------------|-----------|-----------|---------|----------------------------------|-----------|-----------|---------|----------------------------------|-----------|----------------|---------|----------------------------------|-----------|-----------|---------|----------------------------------|-----------|----------|---------|----------------------------------|-----------|-----------|---------|----------------------------------|-----------|-----------|---------|----------------------------------|-----------|
|                               |              |                                                                   |                      | 1/15/2014     | Status* | Further Review Needed/Comments** | Resolved* | 2/5/2014 | Status* | Further Review Needed/Comments** | Resolved* | 2/19/2014 | Status* | Further Review Needed/Comments** | Resolved* | 3/12/2014 | Status* | Further Review Needed/Comments** | Resolved* | 4/2/2014       | Status* | Further Review Needed/Comments** | Resolved* | 4/16/2014 | Status* | Further Review Needed/Comments** | Resolved* | 5/7/2014 | Status* | Further Review Needed/Comments** | Resolved* | 6/11/2014 | Status* | Further Review Needed/Comments** | Resolved* | 6/24/2014 | Status* | Further Review Needed/Comments** | Resolved* |
|                               |              |                                                                   |                      |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| Visual – 10.11                |              | Litter Control-Fencing                                            | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| Visual – 10.11                |              | Periodic Litter Pickup                                            | ongoing              |               |         |                                  |           |          |         |                                  | ✓         | FRN       | I-c     |                                  | ✓         | FRN       | I-d     |                                  |           |                |         |                                  | ✓         | FRN       | I-f     |                                  |           |          |         | ✓                                | FRN       | I-h       |         |                                  |           |           |         |                                  |           |
| Visual – 10.11                |              | Litter Control-Additional Measures                                | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| Visual – 10.12                |              | Discharge Control/Litter Recovery                                 | status               |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| 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                             |           |
| 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                             |           |
| Recycling - 14.03             |              | Tonnage Disposal Determination                                    | info                 | /             |         |                                  |           | /        |         |                                  |           | /         |         |                                  |           | /         |         |                                  |           | /              |         |                                  |           | /         |         |                                  |           | /        |         |                                  |           | /         |         |                                  |           | /         |         |                                  |           |
| Recycling - 14.04             |              | Recycling-Variou Tasks                                            | info                 | /             |         |                                  |           | /        |         |                                  |           | /         |         |                                  |           | /         |         |                                  |           | /              |         |                                  |           | /         |         |                                  |           | /        |         |                                  |           | /         |         |                                  |           | /         |         |                                  |           |
|                               |              | Clean Dirt Procedures                                             |                      |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| Site - 15.11                  |              | Reclaimed Water Utilization                                       | status               |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  | /         |                |         |                                  | /         |           |         |                                  | /         |          |         |                                  | /         |           |         |                                  | /         |           |         |                                  |           |
| Site - 15.12                  |              | Water Conservation Measures                                       | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  | ✓         | C              | NONE    |                                  | ✓         | C         | NONE    |                                  | ✓         | C        | NONE    |                                  | ✓         | C         | NONE    |                                  | ✓         | C         | NONE    |                                  |           |
| Admin Rpts/Pgms - 17.4        |              | Operation Compliance                                              | info                 | /             |         |                                  |           | /        |         |                                  |           | /         |         |                                  |           | /         |         |                                  |           | /              |         |                                  |           | /         |         |                                  |           | /        |         |                                  |           | /         |         |                                  |           | /         |         |                                  |           |
| Admin Rpts/Pgms -17.10        |              | Fill Sequencing Plans                                             | status               |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| Admin Rpts/Pgms-17.15         |              | Quarterly Newsletter                                              | status               |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| Landfill Operation - 18.7     |              | Graffiti Removal/Deterrent Plan                                   | ongoing              | ✓             | C       | NONE                             |           | ✓        | C       | NONE                             |           | ✓         | C       | NONE                             |           | ✓         | C       | NONE                             |           |                |         |                                  | ✓         | FRN       | I-f     |                                  | ✓         | C        | I-g     |                                  | ✓         | C         | NONE    |                                  | ✓         | C         | NONE    |                                  |           |
|                               |              |                                                                   |                      |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| Civil & Geotechnical Engineer |              |                                                                   |                      |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
|                               |              |                                                                   |                      |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
|                               |              |                                                                   |                      |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| Revegetation - 44.C           | 44.C         | Cut Slope Requirements                                            | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  | ✓         | C              | NONE    |                                  | ✓         | C         | NONE    |                                  | ✓         | C        | NONE    |                                  | ✓         | C         | NONE    |                                  | ✓         | C         | NONE    |                                  |           |
|                               |              |                                                                   |                      |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| Geology - 1.01                |              | Survey Monument Locations                                         | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| Geology - 1.02                |              | Seismic Design                                                    | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         | ✓                                | FRN       | I-g      |         |                                  |           |           |         |                                  |           |           |         |                                  |           |

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\*\* See Appendix I for Comments

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|----------------------|--------------|-------------------------------------------------------------------|----------------------|---------------|---------|----------------------------------|-----------|----------|---------|----------------------------------|-----------|-----------|---------|----------------------------------|-----------|-----------|---------|----------------------------------|-----------|----------------|---------|----------------------------------|-----------|-----------|---------|----------------------------------|-----------|----------|---------|----------------------------------|-----------|-----------|---------|----------------------------------|-----------|-----------|---------|----------------------------------|
|                      |              |                                                                   |                      | 1/15/2014     | Status* | Further Review Needed/Comments** | Resolved* | 2/5/2014 | Status* | Further Review Needed/Comments** | Resolved* | 2/19/2014 | Status* | Further Review Needed/Comments** | Resolved* | 3/12/2014 | Status* | Further Review Needed/Comments** | Resolved* | 4/12/2014      | Status* | Further Review Needed/Comments** | Resolved* | 4/16/2014 | Status* | Further Review Needed/Comments** | Resolved* | 5/7/2014 | Status* | Further Review Needed/Comments** | Resolved* | 6/11/2014 | Status* | Further Review Needed/Comments** | Resolved* | 6/24/2014 | Status* | Further Review Needed/Comments** |
| Geology - 1.03       |              | Maximum Refuse Slope Gradients                                    | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |
| Geology - 1.04       |              | Maximum Refuse Slope Gradients                                    | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |
| Geology - 1.05       |              | Unsuitable Material Procedures                                    | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |
| Geology - 1.06       |              | Grading Activities Procedures                                     | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |
| Geology - 1.07       |              | Grading Activities Procedures                                     | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  | ✓         | FRN       | I-d     |                                  |           |                |         |                                  |           |           | ✓       | FRN                              | I-g       |          |         |                                  |           |           | ✓       | FRN                              | I-i       |           |         |                                  |
| Geology - 1.09       |              | Outer Perimeter Ridgeline Requirements                            | info                 |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |
| Geology - 1.12       |              | Soil Stabilization                                                | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |
| Geology - 1.16       |              | Checklists/Surveys Following Earthquake                           | upon event           |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  | ✓         | FRN       | I-f     |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |
| Geology - 1.18       |              | Alluvium-Removal/Replacement                                      | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |
| Geology - 1.19       |              | Landfill Design/Construction                                      | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |
| Geology - 1.20       |              | Landfill Design/Construction-Foundations                          | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |
| Surface Water - 2.03 |              | Surface Drainage Control Facilities                               | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |
| Surface Water - 2.05 |              | Underdrain Requirements                                           | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |
| Surface Water - 2.06 |              | Final Cover for Surface Water Runoff Control                      | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |
| Groundwater - 3.02   |              | Liner System Requirements                                         | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |
| Groundwater - 3.04   |              | Onsite Inspector for Liner Installation                           | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |
| Groundwater - 3.09   |              | Alluvium Removal                                                  | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |
| Visual – 10.01       |              | Landfill Elevations                                               | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |
| Visual – 10.02       |              | Final Fill Elevations                                             | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |
|                      |              |                                                                   |                      |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |
| Hydrologist          |              |                                                                   |                      |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |
|                      |              |                                                                   |                      |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |
|                      |              |                                                                   |                      |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |

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|                         |              |                                                                   |                      | 1/15/2014     | Status* | Further Review Needed/Comments** | Resolved* | 2/5/2014 | Status* | Further Review Needed/Comments** | Resolved* | 2/19/2014 | Status* | Further Review Needed/Comments** | Resolved* | 3/12/2014      | Status* | Further Review Needed/Comments** | Resolved* | 4/2/2014 | Status* | Further Review Needed/Comments** | Resolved* | 4/16/2014 | Status* | Further Review Needed/Comments** | Resolved* | 5/7/2014 | Status* | Further Review Needed/Comments** | Resolved* | 6/11/2014 | Status* | Further Review Needed/Comments** | Resolved* | 6/24/2014 | Status* | Further Review Needed/Comments** | Resolved* |
|                         |              |                                                                   |                      |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| Grading & Drainage - 38 | 38           | Installation of Drainage Structures                               | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
|                         |              |                                                                   |                      |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| Geology - 1.17          |              | Landfill Design/Construction-Seismic                              | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| Surface Water - 2.01    |              | Surface Water Runoff Interception                                 | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| Surface Water - 2.02    |              | Surface Water Runoff Collection                                   | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| Surface Water - 2.03    |              | Surface Drainage Control-Maintenance                              | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         | ✓                                | FRN       | I-d            |         | ✓                                | FRN       | I-e      |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| Surface Water - 2-04    |              | Sedimentation Basin Capabilities                                  | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| Surface Water - 2.05    |              | Underdrain Placement                                              | ongoing              | ✓             | FRN     | I-a                              |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| Surface Water - 2.07    |              | Drainage Control System Design Approval                           | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| Surface Water - 2.08    |              | Surface Water Runoff-Drainage System                              | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| Surface Water - 2.10    |              | Surface Water Collection System-Monitoring                        | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| Surface Water - 2.11    |              | Surface Water Quality-Collection/Monitoring                       | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| Surface Water - 2.12    |              | Permanent/Temporary Drainage Facilities                           | ongoing              | ✓             | FRN     | I-a                              |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         | ✓                                | FRN       | I-i       |         |                                  |           |
| Surface Water - 2.13    |              | Permanent/Temporary Drainage Facilities                           | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| Surface Water - 2.14    |              | Erosion Control Plan                                              | ongoing              | ✓             | FRN     | I-a                              |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         | ✓                                | FRN       | I-i       |         |                                  |           |
| Groundwater - 3.03      |              | Interception of Groundwater Seepage                               | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| Groundwater - 3.06      |              | Monitoring Wells                                                  | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
|                         |              |                                                                   |                      |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| Biologist               |              |                                                                   |                      |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
|                         |              |                                                                   |                      |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
|                         |              |                                                                   |                      |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| Revegetation - 44       | 44           | Revegetation/Cover Requirements                                   | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| Revegetation - 44.A     | 44.A         | Temporary Hydroseed Vegetation                                    | ongoing              | ✓             | FRN     | I-a                              |           | ✓        | FRN     | I-b                              |           | ✓         | FRN     | I-c                              |           | ✓              | FRN     | I-d                              |           | ✓        | FRN     | I-e                              |           | ✓         | FRN     | I-f                              |           | ✓        | FRN     | I-g                              |           | ✓         | FRN     | I-h                              |           | ✓         | FRN     | I-i                              |           |

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# Sunshine Canyon Landfill County Mitigation Monitoring Summary

## (04-01-2014 through 06-30-2014)

| Reference #         | Mitigation # | County Mitigation Measures and Conditions Monitored by Discipline | Monitoring Frequency | First Quarter |         |                                  |           |          |         |                                  |           |           |         |                                  |           | Second Quarter |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |
|---------------------|--------------|-------------------------------------------------------------------|----------------------|---------------|---------|----------------------------------|-----------|----------|---------|----------------------------------|-----------|-----------|---------|----------------------------------|-----------|----------------|---------|----------------------------------|-----------|----------|---------|----------------------------------|-----------|-----------|---------|----------------------------------|-----------|----------|---------|----------------------------------|-----------|-----------|---------|----------------------------------|-----------|-----------|---------|----------------------------------|
|                     |              |                                                                   |                      | 1/15/2014     | Status* | Further Review Needed/Comments** | Resolved* | 2/5/2014 | Status* | Further Review Needed/Comments** | Resolved* | 2/19/2014 | Status* | Further Review Needed/Comments** | Resolved* | 3/12/2014      | Status* | Further Review Needed/Comments** | Resolved* | 4/2/2014 | Status* | Further Review Needed/Comments** | Resolved* | 4/16/2014 | Status* | Further Review Needed/Comments** | Resolved* | 5/7/2014 | Status* | Further Review Needed/Comments** | Resolved* | 6/11/2014 | Status* | Further Review Needed/Comments** | Resolved* | 6/24/2014 | Status* | Further Review Needed/Comments** |
| Revegetation - 44.B | 44.B         | Interim Reclamation/Revegetation                                  | ongoing              | ✓             | FRN     | I-a                              |           | ✓        | FRN     | I-b                              |           | ✓         | FRN     | I-c                              |           | ✓              | FRN     | I-d                              |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |
| Revegetation - 44.D | 44.D         | Final Fill Slope Requirements                                     | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         | ✓                                | FRN       | I-h       |         |                                  |           |           |         |                                  |
| Revegetation - 44.E | 44.E         |                                                                   | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         | ✓                                | FRN       | I-h       |         |                                  |           |           |         |                                  |
|                     |              |                                                                   |                      |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |
| Geology - 1.13      |              | Drainage Plan Approval                                            | ongoing              | ✓             | FRN     | I-a                              |           | ✓        | FRN     | I-b                              |           | ✓         | FRN     | I-c                              |           | ✓              | FRN     | I-d                              |           | ✓        | FRN     | I-e                              |           | ✓         | FRN     | I-f                              |           | ✓        | FRN     | I-g                              |           | ✓         | FRN     | I-h                              |           | ✓         | FRN     | I-i                              |
| Geology - 1.14      |              | Personnel Retention for Monitoring Soil Erosion                   | ongoing              | ✓             | FRN     | I-a                              |           | ✓        | FRN     | I-b                              |           | ✓         | FRN     | I-c                              |           | ✓              | FRN     | I-d                              |           | ✓        | FRN     | I-e                              |           | ✓         | FRN     | I-f                              |           | ✓        | FRN     | I-g                              |           | ✓         | FRN     | I-h                              |           | ✓         | FRN     | I-i                              |
| Groundwater - 3.11  |              | Irrigation/Revegetation Management-Personnel                      | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         | ✓                                | FRN       | I-i       |         |                                  |
| BIOTA – 4.10        |              | Oak Tree Permit                                                   | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  | ✓         | C        | NONE    |                                  | ✓         | C         | NONE    |                                  | ✓         | C        | NONE    |                                  | ✓         | C         | NONE    |                                  | ✓         | C         | NONE    |                                  |
| BIOTA – 4.11        |              | Oak Tree Mitigation Plan                                          | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  | ✓         | C        | NONE    |                                  | ✓         | C         | NONE    |                                  | ✓         | C        | NONE    |                                  | ✓         | C         | NONE    |                                  | ✓         | C         | NONE    |                                  |
| BIOTA – 4.13        |              | Oak Tree Mitigation Counting                                      | ongoing              | ✓             | FRN     | I-a                              |           |          |         |                                  |           |           |         |                                  | ✓         | C              | I-d     |                                  | ✓         | C        | NONE    |                                  | ✓         | C         | NONE    |                                  | ✓         | FRN      | I-g     |                                  | ✓         | C         | NONE    |                                  | ✓         | C         | NONE    |                                  |
| BIOTA – 4.20        |              | Poultry Wire Screen                                               | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  | ✓         | C        | NONE    |                                  | ✓         | C         | NONE    |                                  | ✓         | C        | NONE    |                                  | ✓         | C         | NONE    |                                  | ✓         | C         | NONE    |                                  |
| BIOTA – 4.24        |              | Drip Irrigation                                                   | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  | ✓         | C        | NONE    |                                  | ✓         | C         | NONE    |                                  | ✓         | C        | NONE    |                                  | ✓         | C         | NONE    |                                  | ✓         | C         | NONE    |                                  |
| BIOTA – 4.27        |              | Coastal Sage Scrub Mitigation Plan                                | ongoing              | ✓             | FRN     | I-a                              |           | ✓        | FRN     | I-b                              |           |           |         |                                  | ✓         | FRN            | I-d     |                                  | ✓         | FRN      | I-e     |                                  | ✓         | FRN       | I-f     |                                  | ✓         | FRN      | I-g     |                                  | ✓         | FRN       | I-h     |                                  | ✓         | FRN       | I-i     |                                  |
| BIOTA – 4.28        |              | Coastal Sage Scrub Seeding                                        | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |
| BIOTA – 4.29        |              | San Diego Horned Lizard Mitigation                                | ongoing              | ✓             | FRN     | I-a                              |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  | ✓         | FRN      | I-e     |                                  | ✓         | FRN       | I-f     |                                  | ✓         | FRN      | I-g     |                                  | ✓         | FRN       | I-h     |                                  | ✓         | FRN       | I-i     |                                  |
| BIOTA – 4.30        |              | California Gnatcatcher Surveys                                    | ongoing              | ✓             | FRN     | I-a                              |           |          |         |                                  |           |           |         |                                  | ✓         | C              | I-d     |                                  | ✓         | C        | NONE    |                                  | ✓         | C         | NONE    |                                  | ✓         | C        | NONE    |                                  | ✓         | C         | NONE    |                                  | ✓         | C         | NONE    |                                  |
| BIOTA – 4.31        |              | Least Bell's Vireo Surveys                                        | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  | ✓         | C        | NONE    |                                  | ✓         | C         | NONE    |                                  | ✓         | C        | NONE    |                                  | ✓         | C         | NONE    |                                  | ✓         | C         | NONE    |                                  |
| BIOTA – 4.32        |              | Western Burrowing Owl Surveys                                     | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  | ✓         | C        | NONE    |                                  | ✓         | C         | NONE    |                                  | ✓         | C        | NONE    |                                  | ✓         | C         | NONE    |                                  | ✓         | C         | NONE    |                                  |
| BIOTA – 4.33        |              | Migratory Bird Treaty Act                                         | ongoing              | ✓             | FRN     | I-a                              |           |          |         |                                  |           |           |         |                                  | ✓         | C              | I-d     |                                  | ✓         | C        | NONE    |                                  | ✓         | C         | NONE    |                                  | ✓         | FRN      | I-g     |                                  | ✓         | C         | NONE    |                                  | ✓         | C         | NONE    |                                  |
| BIOTA – 4.34        |              | Raptor Nests Habitat                                              | ongoing              | ✓             | FRN     | I-a                              |           |          |         |                                  |           |           |         |                                  | ✓         | C              | I-d     |                                  | ✓         | C        | NONE    |                                  | ✓         | C         | NONE    |                                  | ✓         | C        | NONE    |                                  | ✓         | C         | NONE    |                                  | ✓         | C         | NONE    |                                  |
| BIOTA – 4.36        |              | Personnel Retention for Monitoring Revegetation Plan              | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |
| BIOTA – 4.37        |              | Personnel Retention for Monitoring Revegetation Plan,             | status               |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |
| BIOTA – 4.38        |              | Green Waste Material                                              | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |

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|--------------------------------|--------------|-------------------------------------------------------------------|----------------------|---------------|---------|----------------------------------|-----------|----------|---------|----------------------------------|-----------|-----------|---------|----------------------------------|-----------|----------------|---------|----------------------------------|-----------|----------|---------|----------------------------------|-----------|-----------|---------|----------------------------------|-----------|----------|---------|----------------------------------|-----------|-----------|---------|----------------------------------|-----------|-----------|---------|----------------------------------|
|                                |              |                                                                   |                      | 1/15/2014     | Status* | Further Review Needed/Comments** | Resolved* | 2/5/2014 | Status* | Further Review Needed/Comments** | Resolved* | 2/19/2014 | Status* | Further Review Needed/Comments** | Resolved* | 3/12/2014      | Status* | Further Review Needed/Comments** | Resolved* | 4/2/2014 | Status* | Further Review Needed/Comments** | Resolved* | 4/16/2014 | Status* | Further Review Needed/Comments** | Resolved* | 5/7/2014 | Status* | Further Review Needed/Comments** | Resolved* | 6/11/2014 | Status* | Further Review Needed/Comments** | Resolved* | 6/24/2014 | Status* | Further Review Needed/Comments** |
| BIOTA – 4.39                   |              | Revegetation of Slopes/Fill Areas                                 | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |
| BIOTA – 4.41                   |              | Revegetation Plan-Replacement Cover                               | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |
| BIOTA – 4.42                   |              | Interim Vegetation                                                | ongoing              | ✓             | FRN     | I-a                              |           | ✓        | FRN     | I-b                              |           | ✓         | FRN     | I-c                              |           | ✓              | FRN     | I-d                              |           | ✓        | FRN     | I-e                              |           | ✓         | FRN     | I-f                              |           | ✓        | FRN     | I-g                              |           | ✓         | FRN     | I-h                              |           | ✓         | FRN     | I-i                              |
| BIOTA – 4.43                   |              | Replacement Riparian Habitat                                      | status               |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |
| Air Quality - 6.02             |              | Dust Control                                                      | ongoing              | ✓             | FRN     | I-a                              |           | ✓        | FRN     | I-b                              |           | ✓         | FRN     | I-c                              |           | ✓              | C       | NONE                             |           | ✓        | FRN     | I-e                              |           | ✓         | FRN     | I-f                              |           | ✓        | FRN     | I-g                              |           | ✓         | FRN     | I-h                              |           | ✓         | FRN     | I-i                              |
| Visual – 10.06                 |              | Upper Ridge Planting/Revegetation                                 | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |
| Visual – 10.07                 |              | Tree Planting Around Perimeter                                    | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |
| Visual – 10.08                 |              | Cover/Revegetation Requirements                                   | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           | ✓        | FRN     | I-e                              |           | ✓         | FRN     | I-f                              |           | ✓        | FRN     | I-g                              |           | ✓         | FRN     | I-h                              |           | ✓         | FRN     | I-i                              |
| Visual – 10.08                 |              | Solid Waste Disposal Procedures                                   | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           | ✓        | C       | NONE                             |           | ✓         | C       | NONE                             |           | ✓        | C       | NONE                             |           | ✓         | C       | NONE                             |           | ✓         | C       | NONE                             |
| Visual – 10.08                 |              | Final Cut Slope Steepness                                         | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           | ✓        | C       | NONE                             |           | ✓         | C       | NONE                             |           | ✓        | C       | NONE                             |           | ✓         | C       | NONE                             |           | ✓         | C       | NONE                             |
| Visual – 10.08                 |              | Final Fill Slopes-Reclamation/Revegetation                        | status               |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |
| Visual – 10.08                 |              | Revegetation Requirements                                         | status               | ✓             | FRN     | I-a                              |           | ✓        | FRN     | I-b                              |           | ✓         | FRN     | I-c                              |           | ✓              | FRN     | I-d                              |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |
| Visual – 10.09                 |              | Final Cover Composition Requirements                              | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |
| Visual – 10.10                 |              | Buffer Zone Maintenance                                           | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |
| Water Conservation - 11.02     |              | Plant Species                                                     | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |
| Fire Service - 12.01           |              | Brush Clearance Measures                                          | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           | ✓        | C       | NONE                             |           | ✓         | C       | NONE                             |           | ✓        | C       | NONE                             |           | ✓         | C       | NONE                             |           | ✓         | C       | NONE                             |
|                                |              |                                                                   |                      |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |
| Air Quality & Noise Specialist |              |                                                                   |                      |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |
|                                |              |                                                                   |                      |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |
|                                |              |                                                                   |                      |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |
| Fugitive Dust - 45.F           | 45.F         | Fugitive Dust Monitoring                                          | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |
| 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                             |
| Fugitive Dust - 45.N           | 45.N         | Report Submission-Dust/Odor                                       | every quarter        |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |

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|-----------------------------|--------------|-------------------------------------------------------------------|----------------------|---------------|---------|----------------------------------|-----------|----------|---------|----------------------------------|-----------|-----------|---------|----------------------------------|-----------|----------------|---------|----------------------------------|-----------|----------|---------|----------------------------------|-----------|-----------|---------|----------------------------------|-----------|----------|---------|----------------------------------|-----------|-----------|---------|----------------------------------|-----------|-----------|---------|----------------------------------|-----------|
|                             |              |                                                                   |                      | 1/15/2014     | Status* | Further Review Needed/Comments** | Resolved* | 2/5/2014 | Status* | Further Review Needed/Comments** | Resolved* | 2/19/2014 | Status* | Further Review Needed/Comments** | Resolved* | 3/12/2014      | Status* | Further Review Needed/Comments** | Resolved* | 4/2/2014 | Status* | Further Review Needed/Comments** | Resolved* | 4/16/2014 | Status* | Further Review Needed/Comments** | Resolved* | 5/7/2014 | Status* | Further Review Needed/Comments** | Resolved* | 6/11/2014 | Status* | Further Review Needed/Comments** | Resolved* | 6/24/2014 | Status* | Further Review Needed/Comments** | Resolved* |
|                             |              |                                                                   |                      |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| Air Quality Monitoring - 81 | 81           | Air Quality Monitoring-Tests                                      | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
|                             |              |                                                                   |                      |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
|                             |              |                                                                   |                      |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| Air Quality – 6.01          |              | Fugitive Dust Aversion                                            | ongoing              | ✓             | C       | NONE                             |           | ✓        | C       | NONE                             |           | ✓         | C       | NONE                             |           | ✓              | C       | NONE                             |           | ✓        | C       | NONE                             |           | ✓         | C       | NONE                             |           | ✓        | C       | NONE                             |           | ✓         | C       | NONE                             |           | ✓         | C       | NONE                             |           |
| 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                             |           |
| 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                             |           |
| 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                             |           |
| 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                             |           |
| Air Quality – 6.01          |              | Soil Sealant                                                      | ongoing              | ✓             | FRN     | I-a                              |           | ✓        | FRN     | I-b                              |           | ✓         | FRN     | I-c                              |           | ✓              | C       | NONE                             |           | ✓        | FRN     | I-e                              |           | ✓         | FRN     | I-g                              |           | ✓        | FRN     | I-h                              |           | ✓         | FRN     | I-i                              |           | ✓         | FRN     | I-i                              |           |
| 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                             |           |
| 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                             |           |
| 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                             |           |
| 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                             |           |
| 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                             |           |
| Air Quality – 6.01          |              | Report Submission-Dust/Odor                                       | every quarter        | /             |         |                                  |           | /        |         |                                  |           | /         |         |                                  |           | /              |         |                                  |           | /        |         |                                  |           | /         |         |                                  |           | /        |         |                                  |           | /         |         |                                  |           | /         |         |                                  |           |
| Odor/Landfill Gas – 7.03    |              | Odor/Landfill Gas Monitoring Program                              | ongoing              | /             |         |                                  |           | /        |         |                                  |           | /         |         |                                  |           | /              |         |                                  |           | /        |         |                                  |           | /         |         |                                  |           | /        |         |                                  |           | /         |         |                                  |           | /         |         |                                  |           |
| Odor/Landfill Gas – 7.03    |              | Landfill Surface Sampling                                         | ongoing              | /             |         |                                  |           | /        |         |                                  |           | /         |         |                                  |           | /              |         |                                  |           | /        |         |                                  |           | /         |         |                                  |           | /        |         |                                  |           | /         |         |                                  |           | /         |         |                                  |           |
| Odor/Landfill Gas – 7.03    |              | Landfill Perimeter Air Samples                                    | ongoing              | /             |         |                                  |           | /        |         |                                  |           | /         |         |                                  |           | /              |         |                                  |           | /        |         |                                  |           | /         |         |                                  |           | /        |         |                                  |           | /         |         |                                  |           | /         |         |                                  |           |
| Odor/Landfill Gas – 7.03    |              | Landfill Surface Monitoring                                       | ongoing              | /             |         |                                  |           | /        |         |                                  |           | /         |         |                                  |           | /              |         |                                  |           | /        |         |                                  |           | /         |         |                                  |           | /        |         |                                  |           | /         |         |                                  |           | /         |         |                                  |           |
| Odor/Landfill Gas – 7.03    |              | LFG Collection System Monitoring                                  | ongoing              | /             |         |                                  |           | /        |         |                                  |           | /         |         |                                  |           | /              |         |                                  |           | /        |         |                                  |           | /         |         |                                  |           | /        |         |                                  |           | /         |         |                                  |           | /         |         |                                  |           |
| Noise – 9.01                |              | Landfill Access/Operation                                         | info                 | /             |         |                                  |           | /        |         |                                  |           | /         |         |                                  |           | /              |         |                                  |           | /        |         |                                  |           | /         |         |                                  |           | /        |         |                                  |           | /         |         |                                  |           | /         |         |                                  |           |
| Noise – 9.03                |              | Landfill Equipment-Mufflers/Silencers                             | ongoing              | ✓             | C       | NONE                             |           | ✓        | C       | NONE                             |           | ✓         | C       | NONE                             |           | ✓              | C       | NONE                             |           | ✓        | C       | NONE                             |           | ✓         | C       | NONE                             |           | ✓        | C       | NONE                             |           | ✓         | C       | NONE                             |           | ✓         | C       | NONE                             |           |

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# Sunshine Canyon Landfill County Mitigation Monitoring Summary

## (04-01-2014 through 06-30-2014)

| Reference #                                | Mitigation # | County Mitigation Measures and Conditions Monitored by Discipline | Monitoring Frequency | First Quarter |         |                                  |           |          |         |                                  |           |           |         |                                  |           | Second Quarter |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |
|--------------------------------------------|--------------|-------------------------------------------------------------------|----------------------|---------------|---------|----------------------------------|-----------|----------|---------|----------------------------------|-----------|-----------|---------|----------------------------------|-----------|----------------|---------|----------------------------------|-----------|----------|---------|----------------------------------|-----------|-----------|---------|----------------------------------|-----------|----------|---------|----------------------------------|-----------|-----------|---------|----------------------------------|-----------|-----------|---------|----------------------------------|
|                                            |              |                                                                   |                      | 1/15/2014     | Status* | Further Review Needed/Comments** | Resolved* | 2/5/2014 | Status* | Further Review Needed/Comments** | Resolved* | 2/19/2014 | Status* | Further Review Needed/Comments** | Resolved* | 3/12/2014      | Status* | Further Review Needed/Comments** | Resolved* | 4/2/2014 | Status* | Further Review Needed/Comments** | Resolved* | 4/16/2014 | Status* | Further Review Needed/Comments** | Resolved* | 5/7/2014 | Status* | Further Review Needed/Comments** | Resolved* | 6/11/2014 | Status* | Further Review Needed/Comments** | Resolved* | 6/24/2014 | Status* | Further Review Needed/Comments** |
| Admin Rpts/<br>Pgms-17.16                  |              | Air Quality Monitoring-Corrective Action Plan                     | ongoing              | /             |         |                                  |           | /        |         |                                  |           | /         |         |                                  |           | /              |         |                                  |           | /        |         |                                  | /         |           |         |                                  | /         |          |         |                                  | /         |           |         |                                  | /         |           |         |                                  |
|                                            |              |                                                                   |                      |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |
|                                            |              |                                                                   |                      |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |
| Hydrology, Hazardous Waste / Risk of Upset |              |                                                                   |                      |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |
|                                            |              |                                                                   |                      |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |
|                                            |              |                                                                   |                      |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |
| IMP - Part IV.E                            | IMP 4        | Load Inspection-Random Manual                                     | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |
|                                            |              |                                                                   |                      |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |
| Groundwater - 3.05                         |              | Leachate Collection and Removal System                            | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |
| 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                             |
| Fire Service - 12.02                       |              | On-site Fire Response Capabilities-Operating                      | ongoing              |               |         |                                  |           |          |         |                                  |           | ✓         | C       | NONE                             |           |                |         |                                  | ✓         | C        | NONE    |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |
| Fire Service - 12.03                       |              | On-site Fire Response Capabilities-Roads/Water                    | ongoing              | ✓             | FRN     | I-a                              |           |          |         |                                  | ✓         | FRN       | I-c     |                                  | ✓         | C              | I-d     |                                  | ✓         | C        | I-e     |                                  | ✓         | FRN       | I-f     |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |
| Fire Service - 12.04                       |              | On-site Fuel Storage Tanks-Permit Issuance                        | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |
| Fire Service - 12.05                       |              | Building Limits                                                   | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |
| Fire Service - 12.06                       |              | Methane Gas Monitoring-On-site Structures                         | ongoing              |               |         |                                  |           |          |         |                                  |           | ✓         | C       | NONE                             |           |                |         |                                  | ✓         | C        | NONE    |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |
| Hazardous Materials – 13.02                |              | Waste Load Checking Program                                       | ongoing              |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |
| Hazardous Materials – 13.05                |              | Hazardous Waste Disposal                                          | ongoing              |               |         |                                  |           |          |         |                                  |           | ✓         | C       | NONE                             |           |                |         |                                  | ✓         | C        | NONE    |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |
| Hazardous Materials – 13.10                |              | Hazardous Waste-Procedures                                        | ongoing              |               |         |                                  |           |          |         |                                  |           | ✓         | C       | NONE                             |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |
| Hazardous Materials – 13.11                |              | Spill Response Program                                            | ongoing              |               |         |                                  |           |          |         |                                  |           | ✓         | C       | NONE                             |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |
| Safety - 16.02                             |              | Injury and Illness Prevention Program                             | status               |               |         |                                  |           |          |         |                                  |           | ✓         | C       | NONE                             |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |
| Safety - 16.03                             |              | Working Conditions-Monitoring                                     | status               |               |         |                                  |           |          |         |                                  |           | ✓         | C       | NONE                             |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |
| Safety - 16.04                             |              | Inspection Checklist-Work Area Exposure                           | status               |               |         |                                  |           |          |         |                                  |           | ✓         | C       | NONE                             |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |
| Safety - 16.07                             |              | Accident/Injury Reports                                           | status               |               |         |                                  |           |          |         |                                  |           | ✓         | C       | NONE                             |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |

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# Sunshine Canyon Landfill County Mitigation Monitoring Summary

## (04-01-2014 through 06-30-2014)

| Reference #                  | Mitigation # | County Mitigation Measures and Conditions Monitored by Discipline | Monitoring Frequency | First Quarter |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           | Second Quarter |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
|------------------------------|--------------|-------------------------------------------------------------------|----------------------|---------------|---------|----------------------------------|-----------|----------|---------|----------------------------------|-----------|-----------|---------|----------------------------------|-----------|-----------|---------|----------------------------------|-----------|----------------|---------|----------------------------------|-----------|----------|---------|----------------------------------|-----------|-----------|---------|----------------------------------|-----------|-----------|---------|----------------------------------|-----------|
|                              |              |                                                                   |                      | 1/15/2014     | Status* | Further Review Needed/Comments** | Resolved* | 2/5/2014 | Status* | Further Review Needed/Comments** | Resolved* | 2/19/2014 | Status* | Further Review Needed/Comments** | Resolved* | 3/12/2014 | Status* | Further Review Needed/Comments** | Resolved* | 4/12/2014      | Status* | Further Review Needed/Comments** | Resolved* | 5/7/2014 | Status* | Further Review Needed/Comments** | Resolved* | 6/11/2014 | Status* | Further Review Needed/Comments** | Resolved* | 6/24/2014 | Status* | Further Review Needed/Comments** | Resolved* |
|                              |              |                                                                   |                      |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| Safety - 16.08               |              | First-aid Kits                                                    | ongoing              |               |         |                                  |           |          |         |                                  | ✓         | C         | NONE    |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| Safety - 16.10               |              | Lockout/Blackout Procedures                                       | status               |               |         |                                  |           |          |         |                                  | ✓         | C         | NONE    |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| Safety - 16.11               |              | Personal Protective Equipment                                     | status               |               |         |                                  |           |          |         |                                  | ✓         | C         | NONE    |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| Landfill Operation - 18.8    |              | Prohibited Waste Procedures                                       | ongoing              |               |         |                                  |           |          |         |                                  | ✓         | C         | NONE    |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
|                              |              |                                                                   |                      |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| Archaeologist                |              |                                                                   |                      |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
|                              |              |                                                                   |                      |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
|                              |              |                                                                   |                      |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| Ecological Significance - 62 | 62           | Archaeological/Paleontological Identification/Conservation        | ongoing              | /             | NA      | NONE                             |           | /        | NA      | NONE                             |           | /         | NA      | NONE                             |           | ✓         | FRN     | I-d                              |           | ✓              | C       | I-e                              |           |          |         |                                  |           | C         | I-h     |                                  |           |           |         |                                  |           |
| IMP - Part VII.B             | IMP 7        | Archaeological/Paleontological                                    | ongoing              | /             | NA      | NONE                             |           | /        | NA      | NONE                             |           | /         | NA      | NONE                             |           | /         | NA      | NONE                             |           | /              | NA      | NONE                             |           | /        | NA      | NONE                             |           | /         | NA      | NONE                             |           | /         | NA      | NONE                             |           |
| Archaeological – 5.01        |              | Archaeological Resurvey                                           | ongoing              | /             | NA      | NONE                             |           | /        | NA      | NONE                             |           | /         | NA      | NONE                             |           | /         | NA      | NONE                             |           | /              | NA      | NONE                             |           | /        | NA      | NONE                             |           | /         | NA      | NONE                             |           | /         | NA      | NONE                             |           |
| Archaeological – 5.02        |              | Onsite Archaeologist                                              | ongoing              | /             | NA      | NONE                             |           | /        | NA      | NONE                             |           | /         | NA      | NONE                             |           | /         | NA      | NONE                             |           | /              | NA      | NONE                             |           | /        | NA      | NONE                             |           | /         | NA      | NONE                             |           | /         | NA      | NONE                             |           |
| Archaeological – 5.03        |              | Onsite Paleontologist                                             | ongoing              | /             | NA      | NONE                             |           | /        | NA      | NONE                             |           | /         | NA      | NONE                             |           | ✓         | FRN     | I-d                              |           | ✓              | C       | I-e                              |           |          |         |                                  | ✓         | C         | I-h     |                                  |           |           |         |                                  |           |
| Archaeological – 5.04        |              | Archaeological/Paleontological Identification Instruction         | ongoing              | /             | NA      | NONE                             |           | /        | NA      | NONE                             |           | /         | NA      | NONE                             |           | /         | NA      | NONE                             |           | /              | NA      | NONE                             |           | /        | NA      | NONE                             |           | /         | NA      | NONE                             |           | /         | NA      | NONE                             |           |
| Archaeological – 5.05        |              | Archaeological Resource Cura                                      | ongoing              | /             | NA      | NONE                             |           | /        | NA      | NONE                             |           | /         | NA      | NONE                             |           | /         | NA      | NONE                             |           | /              | NA      | NONE                             |           | /        | NA      | NONE                             |           | /         | NA      | NONE                             |           | /         | NA      | NONE                             |           |
| Paleontologist               |              |                                                                   |                      |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
|                              |              |                                                                   |                      |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
|                              |              |                                                                   |                      |               |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |                |         |                                  |           |          |         |                                  |           |           |         |                                  |           |           |         |                                  |           |
| Ecological Significance - 62 | 62           | Archaeological/Paleontological -Material                          | ongoing              | /             | NA      | NONE                             |           | /        | NA      | NONE                             |           | /         | NA      | NONE                             |           | ✓         | FRN     | I-d                              |           | ✓              | C       | I-e                              |           |          |         |                                  |           | C         | I-h     |                                  |           |           |         |                                  |           |
| IMP - Part VII.B             | IMP 7        | Archaeological/Paleontological Report Submission                  | ongoing              | /             | NA      | NONE                             |           | /        | NA      | NONE                             |           | /         | NA      | NONE                             |           |           |         |                                  |           | ✓              | C       | I-e                              |           |          |         |                                  |           | ✓         | C       | I-h                              |           |           |         |                                  |           |

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

\*\* See Appendix I for Comments

Checkmark = Condition or mitigation was monitored

/ = Yearly or non-ongoing monitoring frequency



# **Appendix I**

## **Further Review Needed–Comments**

### **I-e through I-i**

### **Second Quarter 2014 Site Visits**

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| Discipline             | City Condition<br>Reference # /<br>Mitigation # | County Condition<br>Reference # /<br>Mitigation # | Responsible<br>Agency | Further Review Needed-Comments                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|------------------------|-------------------------------------------------|---------------------------------------------------|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Project Manager</b> | Q – B.2.c                                       |                                                   | City Planning         | <p>I-e: The westside drainage ditch is being improved in the area below the old City South landfill. County Public Works was given plans for review.</p> <p>I-i: Portions of the westside V-ditch has been installed using concrete. County approval of the system of v-ditches now being installed is not known. This drainage system may not be the ultimate permanent system. Concrete foundations were being installed south of the offices along the new access road for the new temporary scale facilities.</p> |
|                        | Q - C.5                                         |                                                   | City Planning         | <p>I-f: Graffiti was observed on the long downward sloping eastside concrete drainage channel that discharges into the terminal basin. This channel is visible from outside the landfill. Republic staff was procuring paint and scheduling removal.</p> <p>I-g: The graffiti observed on the prior monitoring visit on the eastside drainage channel was covered with paint.</p>                                                                                                                                     |
|                        |                                                 | Landfill Operations -<br>18.7                     | County Planning       | I-f and I-g: See Q - C.5 I-f and I-g above.                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|                        | Q - C.10.c                                      |                                                   | City Planning         | <p>I-g: The commissioning of individual systems was being done. On-line sales will follow sometime in July.</p> <p>I-i: An on-line test and power sales is scheduled for late July.</p>                                                                                                                                                                                                                                                                                                                               |



| Discipline             | City Condition<br>Reference # /<br>Mitigation # | County Condition<br>Reference # /<br>Mitigation # | Responsible<br>Agency                                               | Further Review Needed-Comments                                                                                                                                                                                                                                |
|------------------------|-------------------------------------------------|---------------------------------------------------|---------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Project Manager</b> |                                                 | Odor/Landfill Gas -<br>7.07                       | County Planning/<br>SCAQMD<br>SCL-LEA                               | I-g and I-i: See Q - C.10.c above.                                                                                                                                                                                                                            |
|                        |                                                 | Gas - 52                                          | County DPW<br>EPD/SCL-LEA<br>County Forester<br>Fire Warden         | I-g and I-i: See Q - C.10.c above.                                                                                                                                                                                                                            |
|                        | T - 4                                           |                                                   | City Planning, City<br>Fire Department                              | I-f: The City south top deck dirt road to the oil field road had some of the deep holes filled and high-center vehicles can use this as a secondary access Republic is considering improvements so that passenger cars could use this access in an emergency. |
|                        |                                                 | Fire Service - 12.03                              | Dept. of Forester                                                   | I-f: See T - 4 above.                                                                                                                                                                                                                                         |
|                        |                                                 | Revegetation - 44 F                               | SCL-LEA/<br>County DPW EPD<br>Regional Planning<br>County Biologist | I-f through I-i: See M - 4.1.1/6 I-l below under Biologist Discipline.                                                                                                                                                                                        |
|                        |                                                 | Alternative Fuel<br>Vehicles - 77.D               | County Planning,<br>TAC                                             | I-m: A status report should be prepared in the 4th Quarter on the use of alternative fuel for off-road equipment.                                                                                                                                             |
|                        |                                                 | Alternative Fuel<br>Vehicles - 77.E               | County Planning,<br>TAC                                             | I-m: A status report should be prepared in the 4th Quarter on the use of alternative fuel for transfer and collection trucks.                                                                                                                                 |



| Discipline             | City Condition<br>Reference # /<br>Mitigation # | County Condition<br>Reference # /<br>Mitigation # | Responsible<br>Agency                   | Further Review Needed-Comments                                                                                                                                                                                                                                                                                                                                                                                                          |
|------------------------|-------------------------------------------------|---------------------------------------------------|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Project Manager</b> | M -4.2.13/ 29,<br>32, 33, 34                    |                                                   | City Planning/SCL-<br>LEA/SCAQMD        | I-e through I-i: 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, lack of cover, or exposed trash resulting in odor and gas emissions observed during the monitoring visit will be reported. None of these were observed during the quarterly monitoring visits this period. |
|                        |                                                 | Amendment 45.N -<br>4.a, 4.c, 4.d                 | County DPW-EPD                          | See M-4.2.13/29, 32, 33, and 34 above.                                                                                                                                                                                                                                                                                                                                                                                                  |
|                        |                                                 | Amendment 45.N - 5                                | County DPW-EPD                          | See M-4.2.13/29, 32, 33, and 34 above.                                                                                                                                                                                                                                                                                                                                                                                                  |
|                        |                                                 | Surface Water - 2.15                              | County DPW EPD/<br>LARWQCB, SCL-<br>LEA | I-i: See M-4.3.1/46 below.                                                                                                                                                                                                                                                                                                                                                                                                              |
|                        | M - 4.9.3/109,<br>110                           |                                                   | City Planning                           | I-f: Illegal dumping was observed on Sierra Highway north of the I-14 overpass. The area appeared to have been cleaned of wind-blown litter by Republic.<br><br>I-h: Illegal dumping was observed on Sierra Highway north of the I-14 overpass and on San Fernando Road south of the Old Road. All areas appeared to have been cleared of wind-blown litter.                                                                            |
|                        |                                                 | Visual - 10.11                                    | SCL-LEA                                 | I-f through I-h: see M - 4.9.3/109 above.                                                                                                                                                                                                                                                                                                                                                                                               |



| Discipline                             | City Condition<br>Reference # /<br>Mitigation # | County Condition<br>Reference # /<br>Mitigation # | Responsible<br>Agency                                                 | Further Review Needed-Comments                                                                                                                                                                                                                                                                                                                                                                                                                  |
|----------------------------------------|-------------------------------------------------|---------------------------------------------------|-----------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Project Manager</b>                 | M - 4.9.3/112                                   |                                                   |                                                                       | <p>I-e: Wind-blown litter was observed in the eastside drainage channel and on the back hillsides of Basins A and B. The terminal basin front exterior wall had wind-blown and illegally dumped debris.</p> <p>I-f and I-g: Wind-blown litter was observed on the back hillsides of Basin A and Basin B.</p> <p>I-h: Wind-blown litter was observed on the back hillsides of Basin A. The back hillsides of Basin B were cleared of litter.</p> |
|                                        |                                                 | Visual - 10.11                                    | SCL-LEA                                                               | I-e, I-f, and I-h: See M - 4.9.3/112 above.                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Civil and Geotechnical Engineer</b> | M - 4.1.1 / 2, 4, and 5                         |                                                   | City Planning/<br>LARWQCB<br>CalRecycle<br>SCL-LEA<br>LADBS<br>PW-BOE | I-i: The excavation plans for the realignment access road has portions outside of the cut and fill footprint of the landfill. The plans should be provided to and approved by the City of Los Angeles Department of Building and Safety and the County Department of Public Works for those areas.                                                                                                                                              |
|                                        |                                                 | Geology - 1.02                                    | County DPW EPD/<br>County LEA                                         | I-j: It is assumed by the monitor that a report and drawings for the access road realignment was provided to the County documenting that seismic design requirements are being met.                                                                                                                                                                                                                                                             |
|                                        |                                                 | Geology - 1.07                                    | County DPW EPD/<br>County LEA                                         | <p>I-g: It is the monitor's understanding that in lieu of material removal, the stability buttress built was approved by the RWQCB as a remedial measure.</p> <p>I-i: See M - 4.1.1 / 2, 4 and 5 above.</p>                                                                                                                                                                                                                                     |



| Discipline                             | City Condition<br>Reference # /<br>Mitigation # | County Condition<br>Reference # /<br>Mitigation # | Responsible<br>Agency                                        | Further Review Needed-Comments                                                                                                                                                                                                                                             |
|----------------------------------------|-------------------------------------------------|---------------------------------------------------|--------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Civil and Geotechnical Engineer</b> | M - 4.1.4 / 11                                  |                                                   |                                                              | I-f: The seismic detector/monitor recorder was relocated on a new concrete pad at the entrance near the recovered/recycled water facility. Upon evaluation of the equipment, Republic ordered a new, updated detector/recorder.                                            |
|                                        |                                                 | Geology - 1.16                                    | County DPW EPD/<br>County LEA                                | I-f: See M - 4.1.4 above.                                                                                                                                                                                                                                                  |
| <b>Hydrologist</b>                     | M-4.3.1/36                                      |                                                   | City Planning/<br>LARWQCB<br>CalRecycle<br>SCL-LEA<br>PW-BOE | I-e: Ponding was observed on the road to Deck C, along the southern perimeter road, in the bottom of Cell CC-3A Part II, and on a couple of low spots on the County top deck. This was the result of the last rainstorm. Republic was scheduling crews to fix these areas. |
|                                        |                                                 | Surface Water - 2.03                              | County DPW EPD/<br>LARWQCB<br>SCL-LEA                        | I-e: See M-4.3.1/36 above.                                                                                                                                                                                                                                                 |
|                                        | M - 4.3.1/37, 38                                |                                                   | City Planning/<br>LARWQCB<br>CalRecycle<br>SCL-LEA<br>PW-BOE | I-i: Temporary and permanent drainage ditches have been installed to convey water to the basins. The majority of inactive and/or areas that have been disturbed have no temporary or permanent vegetation or other surface cover to retard erosion.                        |
|                                        |                                                 | Surface Water - 2.12                              | County DPW EPD/<br>LARWQCB<br>SCL-LEA                        | I-i: See M - 4.3.1/ 38 above.                                                                                                                                                                                                                                              |



| Discipline         | City Condition<br>Reference # /<br>Mitigation # | County Condition<br>Reference # /<br>Mitigation # | Responsible<br>Agency                                                 | Further Review Needed-Comments                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|--------------------|-------------------------------------------------|---------------------------------------------------|-----------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Hydrologist</b> | M - 4.3.1/40, 45                                |                                                   | City Planning/<br>LARWQCB<br>CalRecycle<br>SCL-LEA<br>PW-BOE<br>LADBS | I-i: A SWRCB plan was prepared and submitted to the water board for approval. The plan is being implemented and all control measures will be in place before October 15.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|                    |                                                 | Surface Water - 2.14                              | LARWQCB /<br>County DPW EPD                                           | I-i: See M - 4.3.1/40, 45 above.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|                    | M - 4.3.1/43                                    |                                                   |                                                                       | I-i: Republic is in the process of removing sediment from Basins A, B, and the terminal basin. They are scheduled to be clear of sediment and ready for use before the rainy season.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|                    | M - 4.3.1/ 46                                   |                                                   | City Planning/<br>LARWQCB<br>CalRecycle<br>PW-BOE                     | I-i: It was observed that along a portion of the west side drainage channel between Basin A and Basin D, the floor of the basin is uplifted in the middle with large cracks and weeds growing. This indicates the presence of moisture interacting with possible swelling soils. This was previously observed and noted. At the connection between the V-ditch feeding the channel, there is a gap between shotcrete and soil which is a conduit for water to infiltrate beneath the channel shotcrete into the subbase soil. Cracks mentioned in previous visits on the west side (native soil side) of the channel and eastside (landfill side) are getting worse with concrete spalling and pieces falling off. |
|                    |                                                 | Surface Water - 2.15                              | LARWQCB /<br>County DPW EPD                                           | I-i: See M - 4.3.1/46 above.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |



| Discipline         | City Condition<br>Reference # /<br>Mitigation # | County Condition<br>Reference #/<br>Mitigation # | Responsible<br>Agency                                               | Further Review Needed-Comments                                                                                                                                                                                                                                                                                                         |
|--------------------|-------------------------------------------------|--------------------------------------------------|---------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Hydrologist</b> | M - 4.3.1/49                                    |                                                  | City Planning/<br>LARWQCB<br>CalRecycle<br>PW-BOE                   | I-i: A large-diameter corrugated steel drain pipe that was unearthed in the City south soil stockpile in January was completely uncovered and the seep that was feeding this pipe was intercepted and eliminated.<br><br>A smaller seep coming from around an abandoned gas pipeline on the slope was also intercepted and eliminated. |
|                    |                                                 | Surface Water - 2.05                             | LARWQCB /<br>County DPW EPD                                         | I-i: See M - 4.3.1/49 above.                                                                                                                                                                                                                                                                                                           |
| <b>Biologist</b>   | M - 4.1.1 / 6                                   |                                                  | City Planning/<br>LARWQCB<br>CalRecycle<br>SCL-LEA<br>LADBS         | I-e: Hydroseeding of interim or inactive slopes is awaiting seed and soil conditioning supplies.<br><br>I-f, g, h: Hydroseeding of interim or inactive slopes started in early April and were completed by the June 11 site monitoring.<br><br>I-i: Due to the lack of rain and no irrigation, the hydroseeding did not germinate.     |
|                    |                                                 | Geology - 1.14                                   | LARWQCB/<br>County Forester                                         | I-e through I-i: See M - 4.1.1/6 above.                                                                                                                                                                                                                                                                                                |
|                    | M - 4.2.11 / 23                                 |                                                  | City Planning                                                       | I-e through I-i: See M - 4.1.1/6 above.                                                                                                                                                                                                                                                                                                |
|                    |                                                 | Geology - 1.13                                   | County DPW EPD/<br>County Forester<br>LARWQCB                       | I-e through I-i: See M - 4.1.1/6 above.                                                                                                                                                                                                                                                                                                |
|                    | M - 4.2.12                                      |                                                  | SCL-LEA/<br>City Planning                                           | I-e through I-i: See M - 4.1.1/6 above.                                                                                                                                                                                                                                                                                                |
|                    |                                                 | Revegetation - 44.A                              | SCL-LEA/ County<br>DPW EPD<br>Regional Planning<br>County Biologist | I-e through I-i: See M - 4.1.1/6 above.                                                                                                                                                                                                                                                                                                |



| Discipline       | City Condition<br>Reference # /<br>Mitigation # | County Condition<br>Reference #/<br>Mitigation # | Responsible<br>Agency                                               | Further Review Needed-Comments                                                         |
|------------------|-------------------------------------------------|--------------------------------------------------|---------------------------------------------------------------------|----------------------------------------------------------------------------------------|
| <b>Biologist</b> |                                                 | Revegetation - 44.D<br>and 44.E                  | County Planning /<br>DPW EPD                                        | I-h: A revegetation plan should be part of the<br>final toe berm design.               |
|                  |                                                 | Groundwater - 3.11                               | SCL-LEA/ County<br>DPW EPD<br>Regional Planning<br>County Biologist | I-i: Due to the lack of rain and no irrigation,<br>the hydroseeding did not germinate. |
|                  |                                                 | Biota - 4.42                                     | SCL-LEA                                                             | I-e through I-i: See M - 4.1.1/6 above.                                                |
|                  |                                                 | Air Quality - 6.02                               | SCAQMD/ SCL-LEA                                                     | I-e through I-i: See M - 4.1.1/6 above.                                                |
|                  |                                                 | Visual - 10.08                                   | County Forester                                                     | I-e through I-i: See M - 4.1.1/6 above.                                                |



| Discipline       | City Condition<br>Reference # /<br>Mitigation # | County Condition<br>Reference #/<br>Mitigation # | Responsible<br>Agency | Further Review Needed-Comments                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|------------------|-------------------------------------------------|--------------------------------------------------|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Biologist</b> | M - 4.4.1 / 60                                  |                                                  | City Planning         | <p>I-e: The Deck C vegetation was getting established, with good plant coverage on the deck. Approximately 70-80% of the plants were salt bush. Black sage did not survive. Other native plants and sage were doing fair.</p> <p>I-f: The salt bush is growing faster and taller than other plants. Republic's biological consultant and vegetation contractor are monitoring the mitigation site.</p> <p>I-g: It was observed that the salt bush was providing cover for plants to grow in their understory. The area appeared to be over-watered for the sage and summer heat.</p> <p>I-h: The sage and other native plants were going through their summer die-back. The salt bush was growing and spreading.</p> <p>I-i: The area irrigation was cut back. Some salt bush was cut back to allow understory plants to grow. California Fish and Wildlife should be consulted to confirm the mitigation plants growing will meet the requirements of the sage mitigation for the agency.</p> |
|                  |                                                 | Biota - 4.27                                     | SCL-LEA/CDFW          | <p>I-e, f, g, h, i: The County sage mitigation area had no revegetation activity by Republic occurring.</p> <p>The County sage area had some greening of vegetation and growth due to the rain in February and March.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |



| <b>Discipline</b>                         | <b>City Condition<br/>Reference # /<br/>Mitigation #</b> | <b>County Condition<br/>Reference #/<br/>Mitigation #</b> | <b>Responsible<br/>Agency</b>                | <b>Further Review Needed-Comments</b>                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Biologist</b>                          |                                                          | Biota - 4.29                                              | SCL-LEA/CDFW<br>County Biologist             | I-e through I-i: Mitigation sites for the San Diego Horned Lizard will be included in the County and City Sage Mitigation.                                                                                                                                                                                                                                                                                                                                                    |
|                                           | M-4.4.1/67                                               |                                                           | City Planning, SCL-LEA, CDFW                 | I-g: Observed the tree and vegetation removal along the landfill entrance road for the access road realignment. Numerous oak trees were removed along with some coastal sage vegetation. Biological monitoring was done by Republic before the start of tree and vegetation removal. The vegetation was previously evaluated, accounted for, and part of prior mitigation plans. Republic biological consultant stated that no additional biological assessment was required. |
|                                           |                                                          | Biota-4.13                                                | County Planning                              | I-g: See M-4.4.1/67 above.                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|                                           |                                                          | Biota -4.33                                               | County DPW, SCL-LEA, CDFW                    | I-g: See M-4.4.1/67 above.                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Air Quality &amp; Noise Specialist</b> | M - 4.2.11/20                                            |                                                           | City Planning/<br>SCAQMD<br>SCL-LEA<br>LADBS | I-e, f, g, h, and i: Construction areas that become non-active and un-vegetated slopes should be evaluated for dust potential and soil sealant applied when required.                                                                                                                                                                                                                                                                                                         |



| Discipline                                           | City Condition<br>Reference # /<br>Mitigation # | County Condition<br>Reference #/<br>Mitigation # | Responsible<br>Agency                               | Further Review Needed-Comments                                                                                                                                                                                                                                                                                                                               |
|------------------------------------------------------|-------------------------------------------------|--------------------------------------------------|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Air Quality &amp; Noise<br/>Specialist</b>        |                                                 | Air Quality - 6.01                               | County Planning                                     | I-e through I-i: See M - 4.2.11/20 I-e through I-i above.                                                                                                                                                                                                                                                                                                    |
| <b>Hydrology, Hazardous<br/>Waste/ Risk of Upset</b> | M - 4.9.4/121                                   |                                                  | City Planning/<br>CalRecycle<br>Cal/OSHA<br>SCL-LEA | I-e: Observed that the trees at the leachate treatment facility had been trimmed to clear the power lines.                                                                                                                                                                                                                                                   |
|                                                      |                                                 | Fire Service - 12.03                             | Department of<br>Forester/Fire<br>Warden            | I-e: See M - 4.9.4/121 above.<br>I-f: The southern oil field perimeter gate was observed to be unlocked and standing open.                                                                                                                                                                                                                                   |
|                                                      | M-4.9.4/125                                     |                                                  |                                                     | I-f: The southern oil field perimeter gate was observed to be unlocked and standing open.                                                                                                                                                                                                                                                                    |
| <b>Archaeologist</b>                                 | M-4.19.1/183                                    |                                                  | City Planning                                       | I-e: An archaeological survey was performed on the main access road realignment area. No items of concern were found.<br>I-h: An archaeological survey was performed on the area west of the office facilities where site grading is being done. No items of concern were found. Archaeological reports are on file and are available in Republic's offices. |
|                                                      |                                                 | Ecological<br>Significance 62                    | County Planning                                     | I-e and I-h: See M-4.19.1/183 above.                                                                                                                                                                                                                                                                                                                         |



| Discipline            | City Condition<br>Reference # /<br>Mitigation # | County Condition<br>Reference #/<br>Mitigation # | Responsible<br>Agency | Further Review Needed-Comments                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-----------------------|-------------------------------------------------|--------------------------------------------------|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Paleontologist</b> | M-4.19.2/187                                    |                                                  | City Planning         | I-e: A paleontological survey was performed on the main access road realignment area. Minor non-recoverable marine fragments were observed and pieces saved for Republic. I-h: A paleontological survey was performed on the area where site grading is being done west of the landfill offices. Whale bone and other marine fragments were found. No items were recoverable in one piece. Paleontological reports are on file and are available in Republic's offices. |
|                       |                                                 | Ecological<br>Significance 62                    | County Planning       | I-e and I-h: See M-4.19.2/187 above.                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|                       | M-4.19.2/190                                    |                                                  |                       | I-h and I-i: A paleontological inspection was performed during grading operations. No items were recoverable except for marine bone fragments. Paleontological reports are on file and are available in Republic's offices.                                                                                                                                                                                                                                             |
|                       |                                                 | Archaeologist/<br>Paleontologist                 | County Planning       | I-h and I-i: See M-4.19.2/190 above.                                                                                                                                                                                                                                                                                                                                                                                                                                    |



## Appendix II

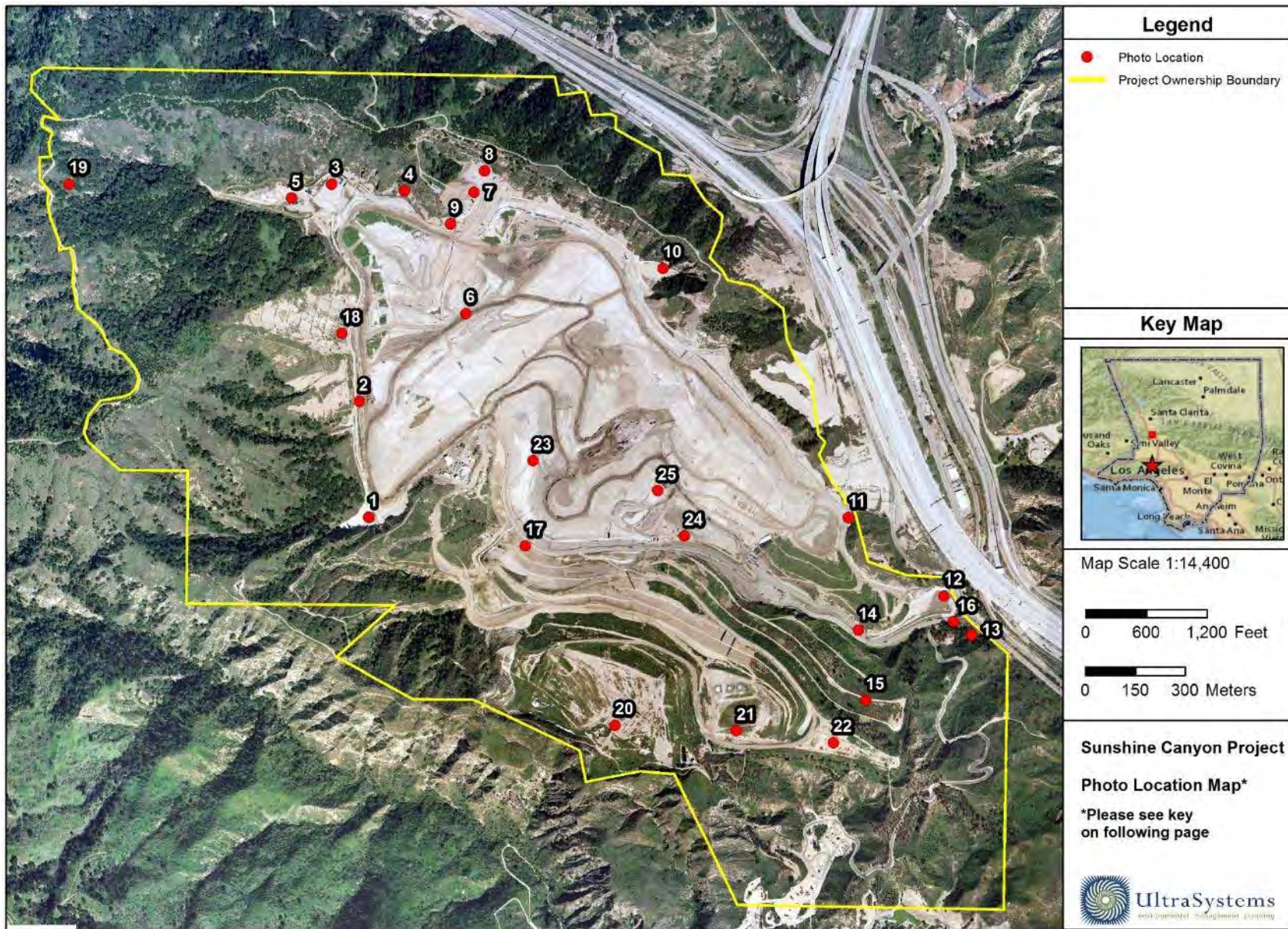
### Relevant Site Photos

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## Location Map – Photo Map Key

| <b>Location</b> | <b>Title</b>                         | <b>Photo Number</b> |
|-----------------|--------------------------------------|---------------------|
| 1.              | Basin A                              | 1-15                |
| 2.              | Westside Drainage Channel            | 16-45               |
| 3.              | Basin D                              | 46-50               |
| 4.              | Basin D North Drainage               | 51-57               |
| 5.              | Materials Storage Area               | 58-67               |
| 6.              | County Top Deck                      | 160-195             |
| 7.              | Flares 8-10                          | 90-96               |
| 8.              | Gas-to Energy Facility               | 68-89               |
| 9.              | Flares 8-10 Adjacent Hillsides       | 103-109             |
| 10.             | Basin B                              | 112-124             |
| 11.             | Eastside Drainage Channel            | 125-131             |
| 12.             | Terminal Basin                       | 132-153             |
| 13.             | Wastewater Sewer Connection Facility | -                   |
| 14.             | Existing Access Road                 | 196-207             |
| 15.             | Access Road Realignment Area         | 208-273             |
| 16.             | Leachate Treatment Facility          | -                   |
| 17.             | New Truck Scale Facilities           | -                   |
| 18.             | County Sage Mitigation               | 274-291             |
| 19.             | Big Cone Fir Mitigation              | -                   |
| 20.             | City Sage Mitigation - Deck A        | 359-360             |
| 21.             | City Sage Mitigation - Deck B        | 357-358             |
| 22.             | City Sage Mitigation - Deck C        | 292-356             |
| 23.             | Cell CC-3A                           | 379-385             |
| 24.             | Cell CC-3A Buttress Area             | -                   |
| 25.             | Site Working Area                    | 421-447             |



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**Photo 1: Basin A: April 2, 2014**



**Photo 2: Basin A: April 2, 2014**



**Photo 3: Basin A: April 2, 2014**



**Photo 4: Basin A: April 2, 2014**





**Photo 5: Basin A: April 16, 2014**



**Photo 6: Basin A: April 16, 2014**



**Photo 7: Basin A: May 7, 2014**



**Photo 8: Basin A: May 7, 2014**





**Photo 9: Basin A: May 7, 2014**



**Photo 10: Basin A: June 11, 2014**



**Photo 11: Basin A: June 11, 2014**



**Photo 12: Basin A: June 11, 2014**





**Photo 13: Basin A: June 11, 2014**



**Photo 14: Basin A Inlet: April 2, 2014**



**Photo 15: Adjacent to Basin A Inlet: April 2, 2014**



**Photo 16: Westside Drainage Channel: April 2, 2014**





**Photo 17: Westside Drainage Channel: April 2, 2014**



**Photo 18: Westside Drainage Channel: April 2, 2014**



**Photo 19: Westside Drainage Channel: April 2, 2014**



**Photo 20: Westside Drainage Channel: April 2, 2014**





**Photo 21: Westside Drainage Channel: April 2, 2014**



**Photo 22: Westside Drainage Channel: April 2, 2014**



**Photo 23: Westside Drainage Channel: April 2, 2014**



**Photo 24: Westside Drainage Channel: May 7, 2014**





**Photo 25: Westside Drainage Channel: May 7, 2014**



**Photo 26: Westside Drainage Channel: May 7, 2014**



**Photo 27: Westside Drainage Channel: May 7, 2014**



**Photo 28: Westside Drainage Channel: May 7, 2014**





**Photo 29: Westside Drainage Channel: May 7, 2014**



**Photo 30: Westside Drainage Channel: May 7, 2014**



**Photo 31: Westside Drainage Channel: June 11, 2014**



**Photo 32: Westside Drainage Channel: June 11, 2014**





**Photo 33: Westside Drainage Channel: June 11, 2014**



**Photo 34: Westside Drainage Channel: June 11, 2014**



**Photo 35: Westside Drainage Channel: June 11, 2014**



**Photo 36: Westside Drainage Channel: June 11, 2014**





**Photo 37: Westside Drainage Channel: June 11, 2014**



**Photo 38: Westside Drainage Channel: June 24, 2014**



**Photo 39: Westside Drainage Channel: June 24, 2014**



**Photo 40: Westside Drainage Channel: June 24, 2014**





**Photo 41: Westside Drainage Channel: June 24, 2014**



**Photo 42: Westside Drainage Channel: June 24, 2014**



**Photo 43: Westside Drainage Channel: June 24, 2014**



**Photo 44: Westside Drainage Channel: June 24, 2014**





**Photo 45: Westside Drainage Channel: June 24, 2014**



**Photo 46: Basin D: April 2, 2014**



**Photo 47: Basin D: April 2, 2014**



**Photo 48: Basin D: April 2, 2014**





**Photo 49: Basin D: April 2, 2014**



**Photo 50: Basin D: April 2, 2014**



**Photo 51: Basin D Outlet Channel: April 2, 2014**



**Photo 52: Basin D Outlet Channel: April 2, 2014**





**Photo 53: Basin D Outlet Channel: April 2, 2014**



**Photo 54: Basin D Outlet Channel: April 2, 2014**



**Photo 55: Basin D Outlet Channel: April 2, 2014**



**Photo 56: Basin D Outlet Channel: May 7, 2014**





**Photo 57: Basin D Outlet Channel: May 7, 2014**



**Photo 58: Material Storage Area: May 7, 2014**



**Photo 59: Material Storage Area: May 7, 2014**



**Photo 60: Material Storage Area: May 7, 2014**





**Photo 61: Material Storage Area: May 7, 2014**



**Photo 62: Material Storage Area: May 7, 2014**



**Photo 63: Material Storage Area: May 7, 2014**



**Photo 64: Material Storage Area: June 11, 2014**





**Photo 65: Material Storage Area: June 11, 2014**



**Photo 66: Material Storage Area: June 11, 2014**



**Photo 67: Material Storage Area: June 11, 2014**



**Photo 68: Gas to Energy Facility: April 2, 2014**





**Photo 69: Gas to Energy Facility: April 2, 2014**



**Photo 70: Gas to Energy Facility: April 2, 2014**



**Photo 71: Gas to Energy Facility: May 7, 2014**



**Photo 72: Gas to Energy Facility: May 7, 2014**





**Photo 73: Gas to Energy Facility: May 7, 2014**



**Photo 74: Gas to Energy Facility: May 7, 2014**



**Photo 75: Gas to Energy Facility: May 7, 2014**



**Photo 76: Gas to Energy Facility: May 7, 2014**





**Photo 77: Gas to Energy Facility: May 7, 2014**



**Photo 78: Gas to Energy Facility: May 7, 2014**



**Photo 79: Gas to Energy Facility: May 7, 2014**



**Photo 80: Gas to Energy Facility: May 7, 2014**





**Photo 81: Gas to Energy Facility: May 7, 2014**



**Photo 82: Gas to Energy Facility: June 11, 2014**



**Photo 83: Gas to Energy Facility: June 11, 2014**



**Photo 84: Gas to Energy Facility: June 11, 2014**





**Photo 85: Gas to Energy Facility: June 11, 2014**



**Photo 86: Gas to Energy Facility: June 11, 2014**



**Photo 87: Gas to Energy Facility: June 11, 2014**



**Photo 88: Gas to Energy Facility: June 11, 2014**





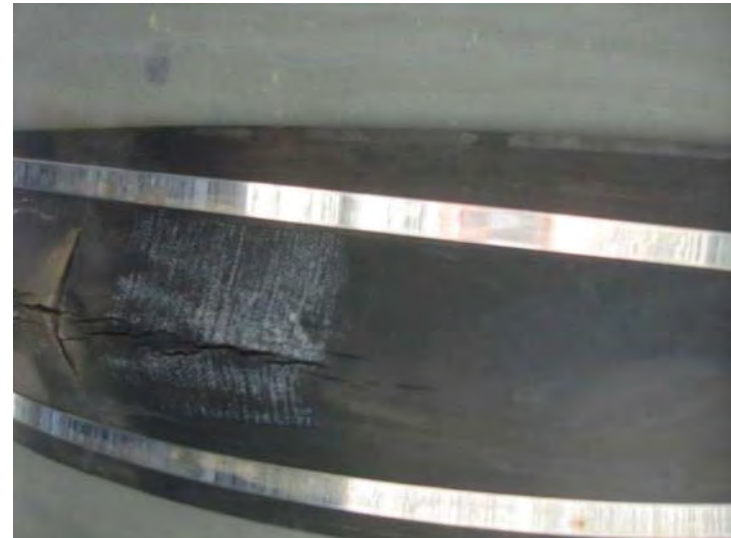
**Photo 89: Gas to Energy Facility: June 11, 2014**



**Photo 90: Flare 9 & 10 Emergency Generators: April 2, 2014**



**Photo 91: Air Piping: April 2, 2014**



**Photo 92: Air Piping: June 11, 2014**





**Photo 93: Flare 9 Air Filter: June 11, 2014**



**Photo 94: Flare 10 Air Filter: June 11, 2014**



**Photo 95: Gas Can at Flare 10: June 11, 2014**



**Photo 96: Flare 10 Lighter Rod: June 11, 2014**





**Photo 97: Flare 8 Hill: May 7, 2014**



**Photo 98: Flare 8 Hill: May 7, 2014**



**Photo 99: Flare 8 Hill: May 7, 2014**



**Photo 100: Flare 8 Hill: May 7, 2014**





**Photo 101: Flare 8 Hill: May 7, 2014**



**Photo 102: Flare 8 Hill: May 7, 2014**



**Photo 103: Flare 9 & 10 Adjacent Slopes: May 7, 2014**



**Photo 104: Flare 9 & 10 Adjacent Slopes: May 7, 2014**





**Photo 105: Flare 9 & 10 Adjacent Slopes: June 11, 2014**



**Photo 106: Gas to Energy Adjacent Slopes: May 7, 2014**



**Photo 107: Gas to Energy Adjacent Slopes: May 7, 2014**



**Photo 108: Gas to Energy Adjacent Slopes: June 11, 2014**

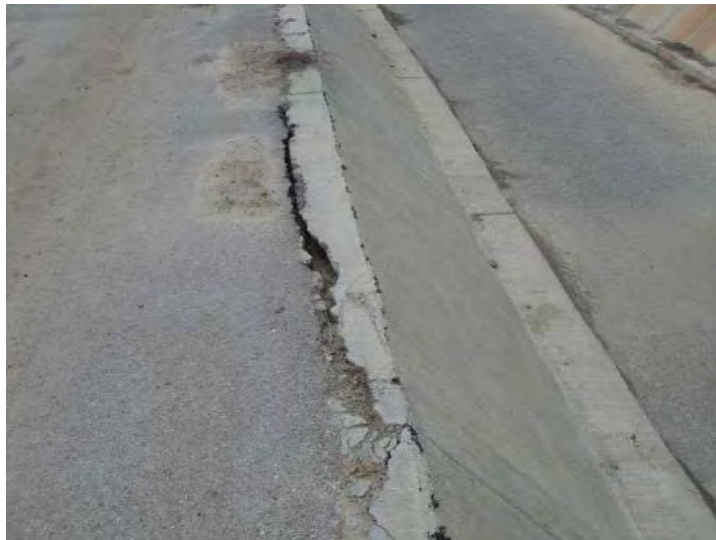




**Photo 109: Gas to Energy Adjacent Slopes: June 11, 2014**



**Photo 110: Basin D Outlet Channel: April 2, 2014**



**Photo 111: Basin D Outlet Channel: April 2, 2014**



**Photo 112: Basin B Inlet: April 2, 2014**





**Photo 113: Basin B Inlet: May 7, 2014**



**Photo 114: Basin B Inlet: June 11, 2014**



**Photo 115: Basin B: April 2, 2014**



**Photo 116: Basin B: April 2, 2014**





**Photo 117: Basin B: April 2, 2014**



**Photo 118: Basin B: April 2, 2014**



**Photo 119: Basin B: April 16, 2014**



**Photo 120: Basin B: May 7, 2014**





**Photo 121: Basin B: May 7, 2014**



**Photo 122: Basin B: May 7, 2014**



**Photo 123: Basin B: May 7, 2014**



**Photo 124: Basin B: May 7, 2014**





**Photo 125: Eastside Drainage Channel: April 2, 2014**



**Photo 126: Eastside Drainage Channel: April 2, 2014**



**Photo 127: Eastside Drainage Channel: April 16, 2014**



**Photo 128: Eastside Drainage Channel: April 16, 2014**





**Photo 129: Eastside Drainage Channel: April 16, 2014**



**Photo 130: Eastside Drainage Channel: May 7, 2014**



**Photo 131: Eastside Drainage Channel: May 7, 2014**



**Photo 132: Terminal Basin: April 2, 2014**





**Photo 133: Terminal Basin: April 2, 2014**



**Photo 134: Terminal Basin: April 2, 2014**



**Photo 135: Terminal Basin: April 2, 2014**



**Photo 136: Terminal Basin: April 2, 2014**

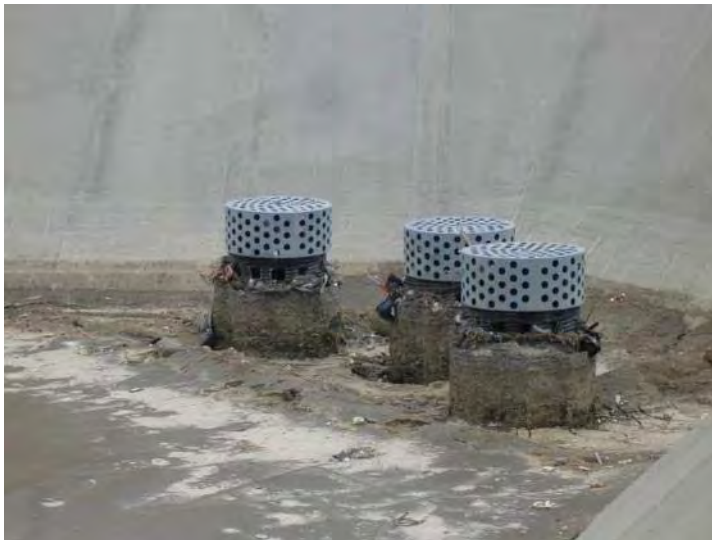




**Photo 137: Terminal Basin: April 2, 2014**



**Photo 138: Terminal Basin: April 2, 2014**



**Photo 139: Terminal Basin: April 2, 2014**



**Photo 140: Terminal Basin: April 2, 2014**





**Photo 141: Terminal Basin: April 2, 2014**



**Photo 142: Terminal Basin: April 2, 2014**



**Photo 143: Terminal Basin: April 2, 2014**



**Photo 144: Terminal Basin: April 2, 2014**





**Photo 145: Terminal Basin: April 2, 2014**



**Photo 146: Terminal Basin: April 2, 2014**



**Photo 147: Terminal Basin: April 2, 2014**



**Photo 148: Terminal Basin: April 2, 2014**





**Photo 149: Terminal Basin: April 2, 2014**



**Photo 150: Terminal Basin: May 7, 2014**



**Photo 151: Terminal Basin: May 7, 2014**



**Photo 152: Terminal Basin: June 24, 2014**





**Photo 153: Terminal Basin: June 24, 2014**



**Photo 154: City Old North: April 2, 2014**



**Photo 155: City Old North: April 2, 2014**



**Photo 156: City Old North: May 7, 2014**





**Photo 157: City Old North: May 7, 2014**



**Photo 158: City Old North: June 24, 2014**



**Photo 159: City Old North: June 24, 2014**



**Photo 160: County Top Deck: April 2, 2014**





**Photo 161: County Top Deck: April 2, 2014**



**Photo 162: County Top Deck: April 2, 2014**



**Photo 163: County Top Deck: April 2, 2014**



**Photo 164: County Top Deck: April 2, 2014**





**Photo 165: County Top Deck: April 2, 2014**



**Photo 166: County Top Deck: April 2, 2014**



**Photo 167: County Top Deck: April 2, 2014**



**Photo 168: County Top Deck: April 2, 2014**





**Photo 169: County Top Deck: April 2, 2014**



**Photo 170: County Top Deck: April 16, 2014**



**Photo 171: County Top Deck: April 16, 2014**



**Photo 172: County Top Deck: April 16, 2014**





**Photo 173: County Top Deck: April 16, 2014**



**Photo 174: County Top Deck: April 16, 2014**



**Photo 175: County Top Deck: April 16, 2014**



**Photo 176: County Top Deck: April 16, 2014**





**Photo 177: County Top Deck: May 7, 2014**



**Photo 178: County Top Deck: May 7, 2014**



**Photo 179: County Top Deck: May 7, 2014**



**Photo 180: County Top Deck: May 7, 2014**





**Photo 181: County Top Deck: May 7, 2014**



**Photo 182: County Top Deck: May 7, 2014**



**Photo 183: County Top Deck: May 7, 2014**



**Photo 184: County Top Deck: June 11, 2014**





**Photo 185: County Top Deck: June 11, 2014**



**Photo 186: County Top Deck: June 11, 2014**



**Photo 187: County Top Deck: June 11, 2014**



**Photo 188: County Top Deck: June 11, 2014**





**Photo 189: County Top Deck: June 11, 2014**



**Photo 190: County Top Deck: June 11, 2014**



**Photo 191: County Top Deck: June 11, 2014**



**Photo 192: County Top Deck: June 11, 2014**





**Photo 193: County Top Deck: June 11, 2014**



**Photo 194: County Top Deck: June 11, 2014**



**Photo 195: County Top Deck: June 11, 2014**



**Photo 196: Access Road Drainage to Terminal Basin: April 2, 2014**





Photo 197: Access Road Drainage to Terminal Basin: April 2, 2014



Photo 198: Access Road Drainage to Terminal Basin: April 2, 2014



Photo 199: Access Road Drainage to Terminal Basin: April 2, 2014



Photo 200: Access Road Drainage to Terminal Basin: April 2, 2014





Photo 201: Access Road Drainage to Terminal Basin: April 2, 2014



Photo 202: Access Road Drainage to Terminal Basin: April 2, 2014



Photo 203: Access Road Drainage to Terminal Basin: April 2, 2014



Photo 204: Access Road Drainage to Terminal Basin: April 2, 2014





**Photo 205: Access Road Drainage to Terminal Basin: April 2, 2014**



**Photo 206: Access Road Drainage to Terminal Basin: April 2, 2014**



**Photo 207: Access Road Drainage to Terminal Basin: April 2, 2014**



**Photo 208: Access Road Realignment Area: May 7, 2014**





**Photo 209: Access Road Realignment Area: May 7, 2014**



**Photo 210: Access Road Realignment Area: May 7, 2014**



**Photo 211: Access Road Realignment Area: May 7, 2014**



**Photo 212: Access Road Realignment Area: May 7, 2014**





**Photo 213: Access Road Realignment Area: May 7, 2014**



**Photo 214: Access Road Realignment Area: May 7, 2014**



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**Photo 216: Access Road Realignment Area: May 7, 2014**





**Photo 217: Access Road Realignment Area: May 7, 2014**



**Photo 218: Access Road Realignment Area: May 7, 2014**



**Photo 219: Access Road Realignment Area: May 7, 2014**



**Photo 220: Access Road Realignment Area: May 7, 2014**





**Photo 221: Access Road Realignment Area: May 7, 2014**



**Photo 223: Access Road Realignment Area: June 11, 2014**



**Photo 222: Access Road Realignment Area: June 11, 2014**



**Photo 224: Access Road Realignment Area: June 11, 2014**





**Photo 225: Access Road Realignment Area: June 11, 2014**



**Photo 226: Access Road Realignment Area: June 11, 2014**



**Photo 227: Access Road Realignment Area: June 11, 2014**



**Photo 228: Access Road Realignment Area: June 11, 2014**





**Photo 229: Access Road Realignment Area: June 11, 2014**



**Photo 230: Access Road Realignment Area: June 11, 2014**



**Photo 231: Access Road Realignment Area: June 11, 2014**



**Photo 232: Access Road Realignment Area: June 11, 2014**

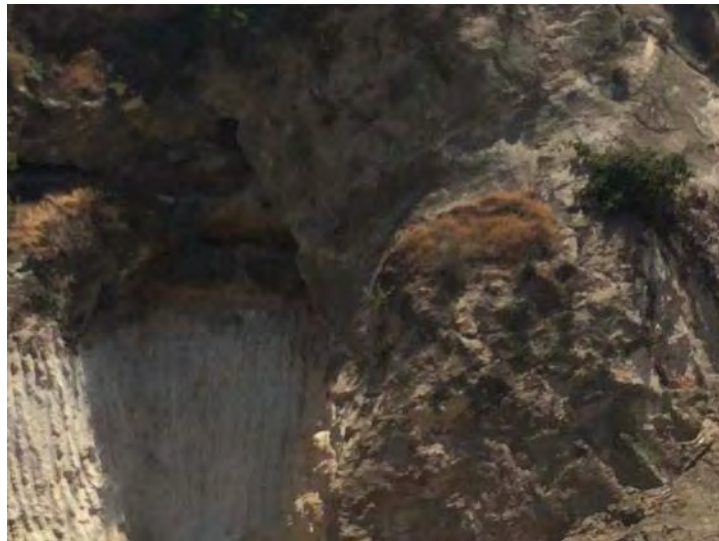




**Photo 233: Access Road Realignment Area: June 11, 2014**



**Photo 234: Access Road Realignment Area: June 11, 2014**



**Photo 235: Access Road Realignment Area: June 11, 2014**



**Photo 236: Access Road Realignment Area: June 11, 2014**





**Photo 237: Access Road Realignment Area: June 24, 2014**



**Photo 238: Access Road Realignment Area: June 24, 2014**



**Photo 239: Access Road Realignment Area: June 24, 2014**



**Photo 240: Access Road Realignment Area: June 24, 2014**





**Photo 241: Access Road Realignment Area: June 24, 2014**



**Photo 242: Access Road Realignment Area: June 24, 2014**



**Photo 243: Access Road Realignment Area: June 24, 2014**



**Photo 244: Access Road Realignment Area: June 24, 2014**





**Photo 245: Access Road Realignment Area: June 24, 2014**



**Photo 246: Access Road Realignment Area: June 24, 2014**



**Photo 247: Access Road Realignment Area: June 24, 2014**



**Photo 248: Access Road Realignment Area: June 24, 2014**





**Photo 249: Access Road Realignment Area: June 24, 2014**



**Photo 250: Access Road Realignment Area: June 24, 2014**



**Photo 251: Access Road Realignment Area: June 24, 2014**



**Photo 252: Access Road Realignment Area: June 24, 2014**





**Photo 253: Access Road Realignment Area: June 24, 2014**



**Photo 254: Access Road Realignment Area: June 24, 2014**



**Photo 255: Access Road Realignment Area: June 24, 2014**



**Photo 256: Access Road Realignment Area: June 24, 2014**





**Photo 257: Access Road Realignment Area: June 24, 2014**



**Photo 258: Access Road Realignment Area: June 24, 2014**



**Photo 259: Access Road Realignment Area: June 24, 2014**



**Photo 260: Access Road Realignment Area: June 24, 2014**





**Photo 261: Access Road Realignment Area: June 24, 2014**



**Photo 262: Access Road Realignment Area: June 24, 2014**



**Photo 263: Access Road Realignment Area: June 24, 2014**



**Photo 264: Access Road Realignment Area: June 24, 2014**





**Photo 265: Access Road Realignment Area: June 24, 2014**



**Photo 266: Access Road Realignment Area: June 24, 2014**



**Photo 267: Access Road Realignment Area: June 24, 2014**



**Photo 268: Access Road Realignment Area: June 24, 2014**





**Photo 269: Access Road Realignment Area: June 24, 2014**



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**Photo 271: Access Road Realignment Area: June 24, 2014**



**Photo 272: Access Road Realignment Area: June 24, 2014**





**Photo 273: Access Road Realignment Area: June 24, 2014**



**Photo 274: County Sage Mitigation Area: April 2, 2014**



**Photo 275: County Sage Mitigation Area: April 2, 2014**



**Photo 276: County Sage Mitigation Area: April 2, 2014**





**Photo 277: County Sage Mitigation Area: April 2, 2014**



**Photo 278: County Sage Mitigation Area: April 2, 2014**



**Photo 279: County Sage Mitigation Area: April 2, 2014**



**Photo 280: County Sage Mitigation Area: April 2, 2014**





**Photo 281: County Sage Mitigation Area: April 2, 2014**



**Photo 282: County Sage Mitigation Area: April 2, 2014**



**Photo 283: County Sage Mitigation Area: April 16, 2014**



**Photo 284: County Sage Mitigation Area: April 16, 2014**





**Photo 285: County Sage Mitigation Area: April 16, 2014**



**Photo 286: County Sage Mitigation Area: May 7, 2014**



**Photo 287: County Sage Mitigation Area: May 7, 2014**



**Photo 288: County Sage Mitigation Area: May 7, 2014**





**Photo 289: County Sage Mitigation Area: May 7, 2014**



**Photo 290: County Sage Mitigation Area: June 11, 2014**



**Photo 291: County Sage Mitigation Area: June 11, 2014**



**Photo 292: City Sage Mitigation Deck C: April 2, 2014**





**Photo 293: City Sage Mitigation Deck C: April 2, 2014**



**Photo 294: City Sage Mitigation Deck C: April 2, 2014**



**Photo 295: City Sage Mitigation Deck C: April 2, 2014**



**Photo 296: City Sage Mitigation Deck C: April 2, 2014**





**Photo 297: City Sage Mitigation Deck C: April 2, 2014**



**Photo 298: City Sage Mitigation Deck C: April 2, 2014**



**Photo 299: City Sage Mitigation Deck C: April 2, 2014**



**Photo 300: City Sage Mitigation Deck C: April 2, 2014**





**Photo 301: City Sage Mitigation Deck C: April 2, 2014**



**Photo 302: City Sage Mitigation Deck C: April 2, 2014**



**Photo 303: City Sage Mitigation Deck C: April 2, 2014**



**Photo 304: City Sage Mitigation Deck C: April 2, 2014**





**Photo 305: City Sage Mitigation Deck C: April 2, 2014**



**Photo 306: City Sage Mitigation Deck C: April 2, 2014**



**Photo 307: City Sage Mitigation Deck C: April 16, 2014**



**Photo 308: City Sage Mitigation Deck C: April 16, 2014**





**Photo 309: City Sage Mitigation Deck C: April 16, 2014**



**Photo 310: City Sage Mitigation Deck C: April 16, 2014**



**Photo 311: City Sage Mitigation Deck C: April 16, 2014**



**Photo 312: City Sage Mitigation Deck C: April 16, 2014**





**Photo 313: City Sage Mitigation Deck C: April 16, 2014**



**Photo 314: City Sage Mitigation Deck C: April 16, 2014**



**Photo 315: City Sage Mitigation Deck C: April 16, 2014**



**Photo 316: City Sage Mitigation Deck C: April 16, 2014**





**Photo 317: City Sage Mitigation Deck C: April 16, 2014**



**Photo 318: City Sage Mitigation Deck C: April 16, 2014**



**Photo 319: City Sage Mitigation Deck C: April 16, 2014**



**Photo 320: City Sage Mitigation Deck C: April 16, 2014**





**Photo 321: City Sage Mitigation Deck C: April 16, 2014**



**Photo 322: City Sage Mitigation Deck C: April 16, 2014**



**Photo 323: City Sage Mitigation Deck C: April 16, 2014**



**Photo 324: City Sage Mitigation Deck C: April 16, 2014**





**Photo 325: City Sage Mitigation Deck C: May 7, 2014**



**Photo 326: City Sage Mitigation Deck C: May 7, 2014**



**Photo 327: City Sage Mitigation Deck C: May 7, 2014**



**Photo 328: City Sage Mitigation Deck C: May 7, 2014**





**Photo 329: City Sage Mitigation Deck C: May 7, 2014**



**Photo 330: City Sage Mitigation Deck C: May 7, 2014**



**Photo 331: City Sage Mitigation Deck C: May 7, 2014**



**Photo 332: City Sage Mitigation Deck C: May 7, 2014**





**Photo 333: City Sage Mitigation Deck C: May 7, 2014**



**Photo 334: City Sage Mitigation Deck C: May 7, 2014**



**Photo 335: City Sage Mitigation Deck C: May 7, 2014**



**Photo 336: City Sage Mitigation Deck C: May 7, 2014**





**Photo 337: City Sage Mitigation Deck C: May 7, 2014**



**Photo 338: City Sage Mitigation Deck C: May 7, 2014**



**Photo 339: City Sage Mitigation Deck C: May 7, 2014**



**Photo 340: City Sage Mitigation Deck C: May 7, 2014**





**Photo 341: City Sage Mitigation Deck C: May 7, 2014**



**Photo 342: City Sage Mitigation Deck C: May 7, 2014**



**Photo 343: City Sage Mitigation Deck C: May 7, 2014**



**Photo 344: City Sage Mitigation Deck C: May 7, 2014**





**Photo 345: City Sage Mitigation Deck C: June 11, 2014**



**Photo 346: City Sage Mitigation Deck C: June 11, 2014**



**Photo 347: City Sage Mitigation Deck C: June 24, 2014**



**Photo 348: City Sage Mitigation Deck C: June 24, 2014**





**Photo 349: City Sage Mitigation Deck C: June 24, 2014**



**Photo 350: City Sage Mitigation Deck C: June 24, 2014**



**Photo 351: City Sage Mitigation Deck C: June 24, 2014**



**Photo 352: City Sage Mitigation Deck C: June 24, 2014**





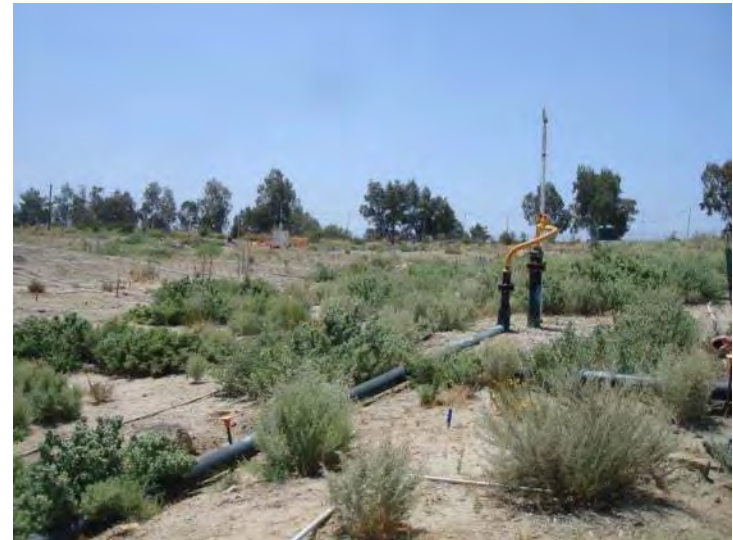
**Photo 353: City Sage Mitigation Deck C: June 24, 2014**



**Photo 354: City Sage Mitigation Deck C: June 24, 2014**



**Photo 355: City Sage Mitigation Deck C: June 24, 2014**



**Photo 356: City Sage Mitigation Deck C: June 24, 2014**





**Photo 357: City Sage Mitigation Deck B: May 7, 2014**



**Photo 358: City Sage Mitigation Deck B: May 7, 2014**



**Photo 359: City Sage Mitigation Deck A: June 11, 2014**



**Photo 360: City Sage Mitigation Deck A: June 11, 2014**





**Photo 361: Site Hydroseeding: April 16, 2014**



**Photo 362: Site Hydroseeding: April 16, 2014**



**Photo 363: Site Hydroseeding: April 16, 2014**

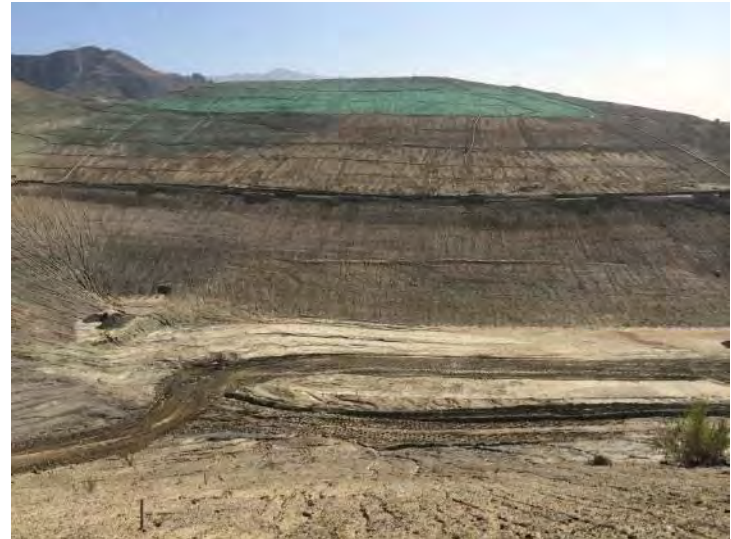


**Photo 364: Site Hydroseeding: April 16, 2014**





**Photo 365: Site Hydroseeding: April 16, 2014**



**Photo 366: Site Hydroseeding: April 16, 2014**

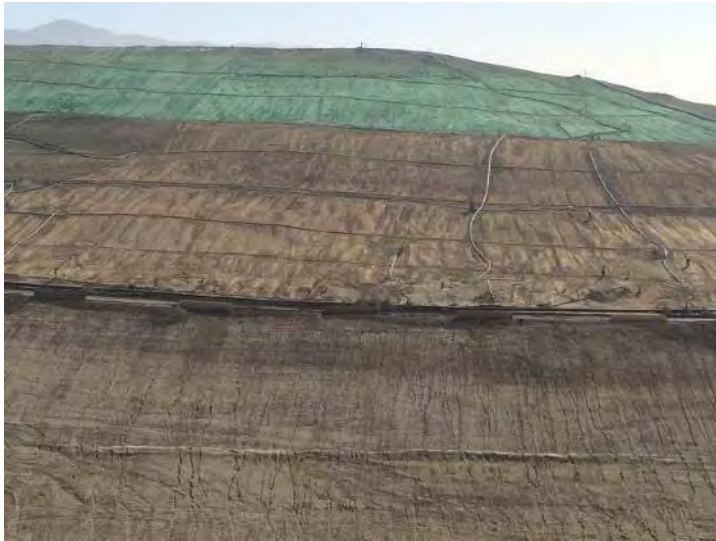


**Photo 367: Site Hydroseeding: April 16, 2014**



**Photo 368: Site Hydroseeding: April 16, 2014**





**Photo 369: Site Hydroseeding: April 16, 2014**



**Photo 370: Site Hydroseeding: April 16, 2014**



**Photo 371: Site Hydroseeding: April 16, 2014**



**Photo 372: Site Hydroseeding: April 16, 2014**





**Photo 373: Site Hydroseeding: April 16, 2014**



**Photo 374: Site Hydroseeding: June 11, 2014**



**Photo 375: Site Hydroseeding: June 11, 2014**



**Photo 376: Site Hydroseeding: June 11, 2014**





**Photo 377: Site Hydroseeding: June 11, 2014**



**Photo 378: Site Hydroseeding: June 11, 2014**



**Photo 379: Cell CC3A Part II Drainage: April 2, 2014**



**Photo 380: Cell CC3A Part II Drainage: April 2, 2014**





**Photo 381: Cell CC3A Part II Drainage: April 2, 2014**



**Photo 382: Cell CC3A Part II Drainage: April 2, 2014**



**Photo 383: Cell CC3A Part II Drainage: April 2, 2014**



**Photo 384: Cell CC3A Part II Drainage: April 2, 2014**





**Photo 385: Cell CC3A Part II Drainage: April 2, 2014**



**Photo 386: City Stockpile Buried Drainage Pipe: April 2, 2014**



**Photo 387: Drainage along South Perimeter Road: April 2, 2014**



**Photo 388: Access Road Drainage Improvements: June 24, 2014**





**Photo 389: Access Road Drainage Improvements: June 24, 2014**



**Photo 390: Access Road Drainage Improvements: June 24, 2014**



**Photo 391: Access Road Drainage Improvements: June 24, 2014**



**Photo 392: Access Road Drainage Improvements: June 24, 2014**





**Photo 393: Access Road Drainage Improvements: June 24, 2014**



**Photo 394: Standing Water along Road to Deck C: April 2, 2014**



**Photo 395: Standing Water along Road to Deck C: April 2, 2014**



**Photo 396: Standing Water along Road to Deck C: April 2, 2014**





Photo 397: Flare 1: April 2, 2014



Photo 398: Flare 1: April 2, 2014



Photo 399: Flare 1: April 2, 2014



Photo 400: Flare 1: April 2, 2014





Photo 401: Flare 1: April 2, 2014



Photo 402: Flare 1: April 2, 2014



Photo 403: Flare 1: April 2, 2014



Photo 404: Flare 1: April 2, 2014





Photo 405: Flare 1: April 2, 2014



Photo 406: Flare 1: April 2, 2014



Photo 407: Flare 3: April 2, 2014



Photo 408: Flare 3: April 2, 2014





**Photo 409: Flare 3: April 2, 2014**



**Photo 410: Flare 3: April 2, 2014**



**Photo 411: Flare 1: April 16, 2014**



**Photo 412: Flare 1: April 16, 2014**





**Photo 413: Flare 1: April 16, 2014**



**Photo 414: Flare 1: April 16, 2014**



**Photo 415: Flare 1: April 16, 2014**



**Photo 416: Flare 1: April 16, 2014**





**Photo 417: City South Alternate Access Road: April 16, 2014**



**Photo 418: City South Alternate Access Road: April 16, 2014**



**Photo 419: Southern Perimeter Unlocked Gate: April 16, 2014**



**Photo 420: Seismic Detector/ Motion Recorder: April 16, 2014**





**Photo 421: Site Working Areas: April 2, 2014**



**Photo 422: Site Working Areas: April 2, 2014**



**Photo 423: Site Working Areas: April 2, 2014**



**Photo 424: Site Working Areas: April 2, 2014**





**Photo 425: Site Working Areas: April 2, 2014**



**Photo 426: Site Working Areas: April 2, 2014**



**Photo 427: Site Working Areas: April 16, 2014**



**Photo 428: Site Working Areas: April 16, 2014**





**Photo 429: Site Working Areas: April 16, 2014**



**Photo 430: Site Working Areas: April 16, 2014**



**Photo 431: Site Working Areas: May 7, 2014**



**Photo 432: Site Working Areas: May 7, 2014**





**Photo 433: Site Working Areas: May 7, 2014**



**Photo 434: Site Working Areas: May 7, 2014**



**Photo 435: Site Working Areas: May 7, 2014**



**Photo 436: Site Working Areas: May 7, 2014**





**Photo 437: Site Working Areas: June 11, 2014**



**Photo 438: Site Working Areas: June 11, 2014**

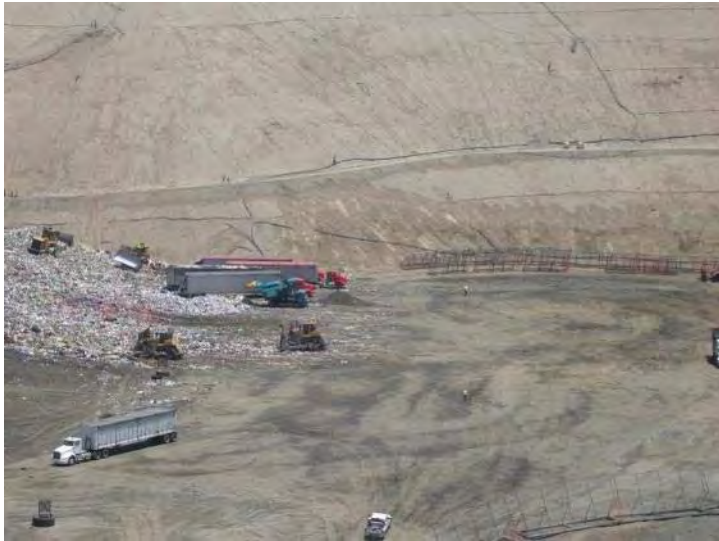


**Photo 439: Site Working Areas: June 11, 2014**



**Photo 440: Site Working Areas: June 11, 2014**





**Photo 441: Site Working Areas: June 11, 2014**



**Photo 442: Site Working Areas: June 11, 2014**



**Photo 443: Site Working Areas: June 24, 2014**



**Photo 444: Site Working Areas: June 24, 2014**





**Photo 445: Site Working Areas: June 24, 2014**



**Photo 446: Site Working Areas: June 24, 2014**



**Photo 447: Site Working Areas: June 24, 2014**



**Photo 448: Site: April 16, 2014**





**Photo 449: Site: April 16, 2014**



**Photo 450: Site: April 16, 2014**



**Photo 451: Site: April 16, 2014**



**Photo 452: Site: April 16, 2014**





**Photo 453: Site: May 7, 2014**



**Photo 454: Site: May 7, 2014**



**Photo 455: Site: May 7, 2014**



**Photo 456: Site: May 7, 2014**





**Photo 457: Site: May 7, 2014**



**Photo 458: Site: May 7, 2014**



**Photo 459: Site: May 7, 2014**



**Photo 460: Site: June 24, 2014**





**Photo 461: Site: June 24, 2014**



**Photo 462: Site: June 24, 2014**



**Photo 463: Site: June 24, 2014**



**Photo 464: Site: June 24, 2014**





**Photo 465: Site: June 24, 2014**



**Photo 466: Site: June 24, 2014**



**Photo 467: Site: June 24, 2014**



**Photo 468: Site: June 24, 2014**





**Photo 469: Site: June 24, 2014**



**Photo 470: Site: June 24, 2014**



**Photo 471: Site: June 24, 2014**



**Photo 472: Site Grading West of Office: June 11, 2014**





**Photo 473: Site Grading West of Office: June 11, 2014**



**Photo 474: Site Grading West of Office: June 11, 2014**



**Photo 475: Site Grading West of Office: June 11, 2014**



**Photo 476: Site Grading West of Office: June 11, 2014**





**Photo 477: Offsite Litter: April 16, 2014**



**Photo 478: Offsite Litter: April 16, 2014**



**Photo 479: Offsite Litter: April 16, 2014**



**Photo 480: Offsite Litter: June 11, 2014**





**Photo 481: Offsite Litter: June 11, 2014**



**Photo 482: Offsite Litter: June 11, 2014**



**Photo 483: Offsite Litter: June 11, 2014**



**Photo 484: Offsite Litter: June 11, 2014**

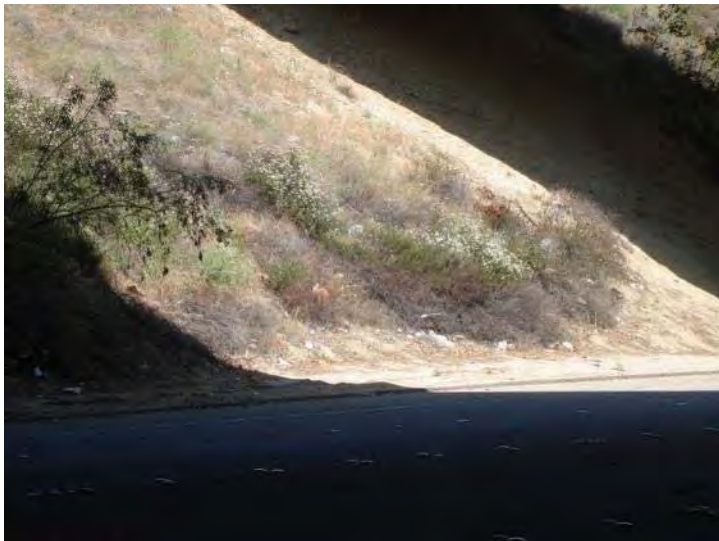




**Photo 485: Offsite Litter: June 11, 2014**



**Photo 486: Offsite Litter: June 11, 2014**



**Photo 487: Offsite Litter: June 11, 2014**



**Photo 488: Offsite Litter: June 11, 2014**





**Photo 489: Offsite Litter: June 11, 2014**



**Photo 490: Offsite Litter: June 11, 2014**



**Photo 491: Offsite Litter: June 11, 2014**



**Photo 492: Offsite Litter: June 11, 2014**



# Appendix III

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

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### **UltraSystems Staff Fields of Expertise:**

|               |                                                                              |
|---------------|------------------------------------------------------------------------------|
| James Aidukas | Project Manager, Permitting and Operations/ Engineer                         |
| Mike Lindsay  | Air Quality, Noise, Vehicle Emissions, Environmental Specialist/<br>Engineer |
| Susan Foster  | Hazardous Waste/ Risk of Upset                                               |
| Jack Emerson  | Air Quality, Noise, Hydrology, Hazardous Waste                               |

### **SES Staff Fields of Expertise:**

|                  |         |
|------------------|---------|
| Tarik Hadj-Hamou | Geology |
|------------------|---------|



## April Site Visits

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### **April 2, 2014:**

James Aidukas (UltraSystems)

Mike Lindsay (UltraSystems)

Susan Foster (UltraSystems)

### **April 16, 2014:**

James Aidukas (UltraSystems)

Mike Lindsay (UltraSystems)

Jack Emerson (UltraSystems)





**SUNSHINE CANYON LANDFILL  
MITIGATION MONITORING SITE REPORT**

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| Monitor: James Aidukas                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Page: 1 of 2        |
| Discipline: Project Manager                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Date: April 2, 2014 |
| Site Conditions: Cloudy with light rain                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                     |
| <b>SITE LOG</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                     |
| <p>Republic Site Manager - Dave Hauser</p> <p>Met with John Nelson (LACDPW), Mike Lindsay and Susan Foster (UltraSystems). Signed in and briefly met with Patti Costa and Becky Van Sickle (Republic). Mike Lindsay proceeded to monitor the County top deck and the City south. John Nelson, Susan Foster, and I proceeded to monitor the site:</p> <ul style="list-style-type: none"> <li>• Observed standing water in Basin A. There was wind-blown litter in the native back hillsides (west and north) of the basin.</li> <li>• The inlet to Basin A was blocked with tumbleweeds.</li> <li>• Observed a new area of the westside channel wall that had the concrete wall cracked and spalling. The prior-noticed cracked and uplifting channel bottom and spalling wall areas are progressively getting worse. Repairs are not yet scheduled.</li> <li>• The bottom of the westside channel was accumulating piles of sediment the whole length of the channel. A section of the channel had a piece of HDPE loose in the bottom.</li> <li>• Basin D was observed to be clean with no ponding water. The majority of the basin appeared to be sealed with sealant.</li> <li>• Basin D outlet channel had sediment in the bottom and the leading edge of the channel liner with uplifted and partially blocking flow.</li> <li>• Progress was being made on the gas-to-energy facility. Equipment was being set.</li> <li>• Emergency generators were observed at Flare #9 and #10 for the shutdown of Edison power and the replacement of some wooden poles.</li> <li>• Observed that the recent rains caused the County sage mitigation area to green-up and vegetation to flower.</li> <li>• The Basin D outlet channel below Flare #9 and #10 had a portion of the side wall separating from the adjacent asphalt road.</li> <li>• Basin B had sediment, ponding, and a section of a corrugated galvanized drain pipe in the bottom. The back native vegetated hillsides had wind-blown litter.</li> <li>• It was observed that the eastside drainage channel had litter in the bottom near the old city north fill area. The native hillsides in the old city north also had wind-blown litter.</li> <li>• The terminal basin had accumulated sediment from the recent rain storms. There was some litter around the outlet risers.</li> <li>• It was observed that there was still litter and dumped debris between the terminal basin front wall and the slump stone wall along San Fernando Road.</li> <li>• The terminal basin outflow has rock and sediment in the section under San Fernando Road.</li> <li>• The terminal basin gate was replaced and locked.</li> <li>• The terminal sidewall that parallels the access road has cracks that have gotten larger with grass growing out of them.</li> <li>• Cell CC3A and the buttress was observed. The majority of the soil washout from the February rains was repaired. There was standing water in the basin downstream of the buttress. The area upstream of the buttress had standing water.</li> <li>• The pond that was created from the water from the corrugated steel seep drain pipe in the city soil stockpile area was observed to be de-watered.</li> <li>• The HDPE drainage channel along the access road was not yet repaired from the February rainstorm.</li> </ul> |                     |



April 2, 2014, page 2 of 2

- The city south drainage along the paved access road to Deck B appeared to be in good condition.
- The working face was in two small areas: County top deck near the City/County line and in CC3A.

Flare Operating Conditions:

- Flare 1 - 1695° F, 2424 SCFM, -62" H<sub>2</sub>O vacuum
- Flare 3 - 1689° F, 2011 SCFM

FURTHER REVIEW NEEDED

COMMENTS

Signed: 





**SUNSHINE CANYON LANDFILL  
MITIGATION MONITORING  
SITE REPORT**

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                             |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| Monitor: <b>Mike Lindsay</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Page <u>1</u> of <u>1</u>   |
| Discipline: Environmental Engineer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Date: <u>04-02-14 Wed.</u>  |
| Site Conditions: <u>Cloudy, showers, 56-61°F, 6 mph</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                             |
| SITE LOG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                             |
| <ol style="list-style-type: none"> <li>1. Met with John Nelson (LACOPW), Jim Aidukas, Susan Foster (Ultra Systems).</li> <li>2. Checked into office and with Patti Costa, Becky Van Sickle (Republic).</li> <li>3. Observed new erosion control BMPs installed on County Top Deck slopes, northwest of admin. buildings. Several rows of straw wattles were placed.</li> <li>4. Flare 1 is operating at 2623 SCFM, 1683°F; gas sample measured at 22% Vol. CH<sub>4</sub>, 5.2% Vol. O<sub>2</sub>, 76 ppm H<sub>2</sub>S, 127 ppm CO; supply gas at 122°F.</li> <li>5. Met with Achaya Kelepanda (Republic) at Flare 1. A set of old wells have been abandoned (capped and sealed with bentonite), and their 16" feed pipe has been capped at Flare 1 junction. Blower flange boots have been replaced after small leaks (~300 ppm) were detected. A temporary air compressor was being used (for blower seal pressure) because fixed compressor stopped working. Cause of failure? a rodent was sucked into air intake. BAS crew measured Flare 1 gas sample at 27% Vol. CH<sub>4</sub>, 2.7% Vol. O<sub>2</sub>.</li> <li>6. Flare 3 is operating at 2007 SCFM, 1689°F; gas sample measured at 39% Vol. CH<sub>4</sub>, 5.1% Vol. O<sub>2</sub>, 34 ppm H<sub>2</sub>S, over 500 ppm CO; supply gas at 112°F.</li> <li>7. Measured City Deck C revegetation area using a Trimble GPS device (±0.1 m accuracy), including salt bush and sage areas in square feet.</li> </ol> |                             |
| FURTHER REVIEW NEEDED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                             |
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| Project Number: 5800                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Signed: <u>Mike Lindsay</u> |





**UltraSystems**  
environmental | management | planning


**SUNSHINE CANYON LANDFILL  
MITIGATION MONITORING SITE REPORT**

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| Monitor: Susan Foster                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Page: 1 of 1        |
| Discipline: Hydrology, Haz. Waste, Risk of Upset                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Date: April 3, 2014 |
| Site Conditions: Partly cloudy, cool, and windy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                     |
| <b>SITE LOG</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                     |
| <p>9:45 AM: Met with John Nelson, James Aidukas, and Mike Lindsay at the landfill.</p> <p>John Nelson, James Aidukas, and I drove around the landfill to observe the general conditions and operations. A rain event had occurred the night prior to the day's site visit, and multiple puddles/ponding areas were observed. Evidence of heavy flow in channels was noted resulting from the heavy rains; many channels had liner that had been severely displaced due to the rains. Many temporary setups to dissipate energy from the recent storm flow were also noted.</p> <p>Duct tape was seen on a gasket on Flare 9.</p> <p>Upon returning to the office, Achaya Kelapanda, John Nelson, James Aidukas and I met to discuss the observations at the landfill for the day. Achaya mentioned the replacement of flares that was occurring.</p> <p>Fire hoses were observed to have been placed on water trucks.</p> |                     |
| <b>FURTHER REVIEW NEEDED</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                     |
| Water ponding areas need to be addressed.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                     |
| <b>COMMENTS</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                     |
| <p>Project Number: 5800</p> <p>Signed: <i>Susan R. Foster</i></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                     |





**SUNSHINE CANYON LANDFILL  
MITIGATION MONITORING SITE REPORT**

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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| Monitor: James Aidukas                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Page: 1 of 1         |
| Discipline: Project Manager                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Date: April 16, 2014 |
| Site Conditions: Clear and sunny, slight wind                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                      |
| <b>SITE LOG</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                      |
| <p>Republic Site Manger - Dave Hauser<br/> Met with John Nelson (LACDPW), Mike Lindsay and Jack Emerson (UltraSystems). Signed in and briefly met with Patti Costa and Achaya Kelapanda and arrange to meet after the monitoring. We proceeded to monitor the site:</p> <ul style="list-style-type: none"> <li>• Observed gas blower vertical piping on Flare 1 to be slanted. Cannot determine if newly installed that way or the result of the recent earthquake. The pipes don't have hold-down brackets.</li> <li>• Observed the City Deck C access road to the oil field. This road has not yet been graded as a secondary access.</li> <li>• Deck C sage mitigation was observed. Salt and Quail bush are the primary plants growing. There are some sage and other plants growing in the understory.</li> <li>• The pond caused by the stockpile seep is small and appears the seep has been controlled.</li> <li>• The County south facing slopes and some of the City north and City south slopes have been hydroseeded.</li> <li>• The active fill was only cell CC3A.</li> <li>• The drainage ditch that parallels the access road was being re-worked. This was one of the drainage channels damaged in the February rain storm.</li> <li>• The oil field south gate was observed being open and without a lock.</li> <li>• The eastside drainage channel that ends in the terminal basin was covered with a giant graffiti tag, "colex". How the people responsible got access to the landfill should be investigated.</li> <li>• Observed the location and foundation for relocated or replacement of the seismograph recorder.</li> <li>• Illegal dumping of a door, mattress, and tarp was observed on Sierra Highway near the I-14 overpass.</li> <li>• Basin A was dry. The native back hillsides had wind-blown litter.</li> <li>• Basin B was dry. The native back hillsides had wind-blown litter.</li> <li>• The County sage mitigation is still green and growing from the rainstorms.</li> </ul> <p>Flare operating conditions:</p> <ul style="list-style-type: none"> <li>○ Flare 1 - Flare 1 - 1696° F, 2793 SCFM, -68" H<sub>2</sub>O vacuum</li> <li>○ Flare 3 - 1695° F, 1980 SCFM</li> <li>○ Flare 9 - 1672° F, 4110 SCFM, -56" H<sub>2</sub>O vacuum</li> <li>○ Flare 10 - 1652° F, 3815 SCFM, -56" H<sub>2</sub>O vacuum</li> </ul> |                      |
| <b>FURTHER REVIEW NEEDED</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                      |
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| <b>COMMENTS</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                      |
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| Signed:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                      |





**SUNSHINE CANYON LANDFILL  
MITIGATION MONITORING  
SITE REPORT**

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|
| Monitor: <b>Mike Lindsay</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Page <u>1</u> of <u>1</u> |
| Discipline: Environmental Engineer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Date: <u>04-16-14</u>     |
| Site Conditions: <u>Sunny, clear, 56-84°F, 5-15 mph</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                           |
| SITE LOG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                           |
| <ol style="list-style-type: none"> <li>1. Met with John Nelson (LACDPW), Jim Ardukas, Jack Emerson (UltraSystems).</li> <li>2. Checked into office, and with Patti Costa, Achaya Kelopanda (Republic).</li> <li>3. Observed hydroseeding on County Top Deck southern slopes.</li> <li>4. Flare 1 is operating at 2736 scfm, 1694 °F; gas sample measured at 2.6 %Vol. CH<sub>4</sub>, 5.4 %Vol. O<sub>2</sub>, 78 ppm H<sub>2</sub>S, 120 ppm CO; supply gas at 129 deg. F.</li> <li>5. Observed City Deck B construction project.</li> <li>6. Observed City working face, with water trucks applying water for dust control.</li> <li>7. Observed grading project south of Admin. buildings.</li> <li>8. Flare 3 is operating at 1987 scfm, 1695 °F; gas sample measured at 4.1 %Vol. CH<sub>4</sub>, 4.9 %Vol. O<sub>2</sub>, 39 ppm H<sub>2</sub>S, over 500 ppm CO; supply gas at 127 deg. F.</li> <li>9. Flare 9 is operating at 4219 scfm, 1673 °F; gas sample measured at 3.9 %Vol. CH<sub>4</sub>, 5.4 %Vol. O<sub>2</sub>, 71 ppm H<sub>2</sub>S, over 500 ppm CO.</li> <li>10. Flare 10 is operating at 3886 scfm, 1645 °F.</li> <li>11. Met with Patti Costa to discuss landfill operations.               <ol style="list-style-type: none"> <li>a. Hydroseeded slopes - 30 acres covered so far.</li> <li>b. Ultra Systems smelled landfill gas odors at Flare 1 today in a localized area only.</li> <li>c. The Chatsworth mitigation land was appraised as a commercial property at \$11M, instead of as open space at \$1M. Attorneys for LACDPW and Parks and Recs. require a 5-year monitoring program (44 acres). Last extension period expires in 2014, per USACE.</li> <li>d. Sewer project update - City needs additional info. for 1st station shoring.</li> <li>e. Master drainage plan is being revised by LACDPW.</li> <li>f. Phase I Bypass Road project will begin in 2014.</li> </ol> </li> </ol> |                           |
| FURTHER REVIEW NEEDED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                           |
| Project Number: 5800 <div style="float: right; text-align: right;">           Signed: <u>Mike Lindsay</u> </div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                           |





**SUNSHINE CANYON LANDFILL  
MITIGATION MONITORING SITE REPORT**

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| Monitor: Jack Emerson                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Page: 1 of 1  |
| Discipline: Civil Engineer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Date: 4/16/14 |
| Site Conditions: Sunny, No cloud cover, ~80F                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |               |
| <b>SITE LOG</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |               |
| <p>Flare 1: -Southward connection to old wells unearthed and disconnected. Eastward connection active.<br/>         -Intermittent Odor south of flare, north of pumps, source indeterminable, Mild wind blowing N.<br/>         - 68" water vacuum pressure, 129F inflow, 1693F in flare, 2800 scfm, 25%CH<sub>4</sub>, 5.4% O<sub>2</sub>.</p> <p>Flare 9: -1671F, 4160scfm, -56 inlet vacuum<br/>         Flare 10: -1650F, 3800scfm, -56 inlet vacuum<br/>         Both: Wind carrying odors (presumably from working area), no determinable odor from flare.</p> <p>Talk with Terry Freeman, new Construction Manager for Gas to Energy Facility:<br/>         -Facility scheduled for August 1<sup>st</sup> finish.<br/>         -Facility may be completed as soon as July 3<sup>rd</sup>.</p> <p>Observations:<br/>         -Graffiti – COLEX written across channel on south facing slope of Middle Deck<br/>         -Characters approximately 10' in height total 50'. Visible from entrance and freeway.<br/>         -Hydroseeding visible on east side of Middle Deck.<br/>         -Slight trash buildup in brush near northern retention basin.</p> <p>Meeting with Republic:<br/>         -Graffiti believed to have occurred April 3<sup>rd</sup>. Paint supplies have been ordered already.<br/>         -Hydroseeding has been ongoing since beginning of April and is still ongoing (30 acres)<br/>         -Trash buildup cleanup ongoing. Workers are purchasing poles for trash high in brush.<br/>         -Master Drainage plan being updated by Pete Iama.<br/>         -Public Works to review drainage plan before construction of terminal berm begins.</p> |               |
| <b>FURTHER REVIEW NEEDED</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |               |
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| <b>COMMENTS</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |               |
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| Signed: <i>Jack Emerson</i> Jack Emerson<br>2014.04.21<br>13:42:36 -07'00'                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |               |



# May Site Visits

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**May 7, 2014:**

James Aidukas (UltraSystems)

Mike Lindsay (UltraSystems)

Tarik Hadj-Hamou (SES)





**SUNSHINE CANYON LANDFILL  
MITIGATION MONITORING SITE REPORT**

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                   |
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| Monitor: James Aidukas                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Page: 1 of 2      |
| Discipline: Project Manager                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Date: May 7, 2014 |
| Site Conditions: Mid-70's, slight wind                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                   |
| <b>SITE LOG</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                   |
| <p>Republic Site Manger - Rob Sherman</p> <p>Met with John Nelson and Kawsar Vazifdar (LACDPW), Mike Lindsay and Tarik Hadj-Hamou (UltraSystems). Signed in and briefly talked to Patti Costa and Achaya Kelapanda to determine what general activities were in progress on-site today. Mike Lindsay met with Becky Van Sickle to observe site reports for the access road realignment. John Nelson, Kawsar Varifdar, and I proceeded to monitor the site. Mike Lindsay met up with us later.</p> <ul style="list-style-type: none"> <li>• Observed the access road realignment area where the removal of trees and vegetation occurred. Noted that a potable waterline had a valve leaking. This appeared to be a water source for grading operations.</li> <li>• Observed Basin A to be dry with minor sediment in the bottom. There was minor wind-blown litter in the basin and significant litter in the northwest native vegetation back hillsides.</li> <li>• The westside concrete drainage channel condition was worsening in the area where the broken bottom was previously noted. The center of the channel is uplifting due to either soil expansion or movement of the adjacent hillside. This condition should be investigated and maintenance performed.</li> <li>• The material storage area was in good order except for a stockpile of waste corrugated pipe. This material should be recycled along with a similar stockpile on the old City north top deck.</li> <li>• Observed Basin D outlet drainage channel to be clean and repaired since the last monitoring.</li> <li>• Observed the vegetation (sage) on the hillsides below Flare #8. Noted the condition, density and took photos.</li> <li>• Trash was observed blocking the corrugated drainage pipes that were installed under the road below Flares #9 and #10.</li> <li>• There was some vegetation growing on the cut hillsides above and below Flares #9 and #10.</li> <li>• A plastic 1-gallon gasoline container with gasoline in it was observed lying on the ground near Flare #10.</li> <li>• The gas-to-energy facility appeared to be in the commissioning mode with all equipment in place and electrical testing of equipment proceeding.</li> <li>• Basin B was dry and had minor sediment. A loose piece of corrugated drainage pipe was blown into the basin. The adjacent native hillsides had wind-blown litter in the vegetation.</li> <li>• Observed the terminal basin to be dry with approximately 1-2 feet of sediment.</li> <li>• The inlet channel to the terminal basin had the graffiti covered with paint.</li> <li>• The existing channel from the leachate treatment facility to the terminal basin was being removed to allow for the access road realignment and a new drainage channel.</li> <li>• Observed the Deck C sage mitigation area. Salt and quail bush was the predominant vegetation. However, in their understory other plants, like sage, were growing.</li> </ul> |                   |



Page 2 of 2, May 7, 2014.

Flare operating conditions:

- Flare 1 - 1689° F, 2701 SCFM, -64" H<sub>2</sub>O vacuum
- Flare 3 - 1701° F, 2015 SCFM
- Flare 9 - 1662° F, 4057 SCFM, -56" H<sub>2</sub>O vacuum
- Flare 10 - 1640° F, 3857 SCFM, -56" H<sub>2</sub>O vacuum

Met with Patti Costa, Becky Van Sickle, and Achaya Kelapanda after the monitoring.

FURTHER REVIEW NEEDED

COMMENTS

1. Have stockpiled waste corrugated pipe remove.
2. Investigate cause of uplifting of the westside drainage channel concrete and schedule repair.
3. Remove wind-blown litter at Basins A and B.

Signed: 





**SUNSHINE CANYON LANDFILL  
MITIGATION MONITORING  
SITE REPORT**

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                             |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| Monitor: <b>Mike Lindsay</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Page <u>1</u> of <u>2</u>   |
| Discipline: Environmental Engineer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Date: <u>05-07-14</u>       |
| Site Conditions: <u>Sunny, clear, 66-78°F, 5-15 mph</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                             |
| <b>SITE LOG</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                             |
| <ol style="list-style-type: none"> <li>1. Met with John Nelson, Kawsar Vazifdar (LACDPW). Kawsar is a County methane engineer, Jim Aidukas, Tarik Hadj-Hamou (Ultra-Systems). Checked into office with Patti Costa, Achaya Kelapanda (Republic).</li> <li>2. Met with Becky Van Sickle (Republic) to discuss closure of new access road tree mitigation efforts. Current tree removal quantity has already been mitigated for.</li> <li>3. Observed Sediment Basin A, with ~1 inch of sediment collecting around vertical drain pipes.</li> <li>4. Observed an increased amount of wind-blown trash along NW slope of Sediment Basin A.</li> <li>5. Westside Drainage concrete is uplifting and cracking.</li> <li>6. BAS pipe storage yard is in good order with new scrap metal piles and 40-yard containers.</li> <li>7. Observed City North closed landfill area with scrap metal pile.</li> <li>8. Terminal Sediment Basin has additional sediment collecting after recent rains.</li> <li>9. New bypass access road construction work is ongoing, including tree removal.</li> <li>10. Met with Patti and the site construction manager (Geologic) to review Phase I drawings for new access road.</li> <li>11. Measured GPS locations at Westside Drainage uplifting concrete using a Trimble GPS device (<math>\pm 0.1</math> m accuracy).</li> <li>12. Observed South Deck C revegetation area, with new wooden stakes marked with a "J."</li> </ol> |                             |
| <b>FURTHER REVIEW NEEDED</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                             |
| <ol style="list-style-type: none"> <li>1. Remove wind-blown trash along NW slope at SB-A.</li> <li>2. Repair Westside Drainage concrete.</li> </ol>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                             |
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| Project Number: 5800                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Signed: <u>Mike Lindsay</u> |



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| Monitor: Mike Lindsay                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Page 2 of 2    |
| Discipline: Environmental Engineer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Date: 05-07-14 |
| Site Conditions: Clear, sunny, 66-78 °F, 5-15 mph                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                |
| SITE LOG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                |
| 13. Met with Patti Costa, Becky Van Sickle and Achaya Kelapanda:<br>a. Waterline valve is leaking by haul road (mistakes).<br>b. Hydroseeding being done two ways. ① mulch down first, then seed. ② seed down first, then mulch.<br>c. Flare 3 is "cycling." Per Achaya, Flare 3 is set on "Flow Control" to pull as hard as possible on the landfill.<br>d. A gas can (the kind used to re-fuel equipment) was found next to Flare 10.<br>e. Patti will check with Greg Ainsworth (Republic biologist) regarding biological monitors for oak tree removal at the bypass access road site.<br>f. Tree removal mitigation surveys and report are done.<br>g. Per Achaya, Well P-243 along Westside Drainage is a probe well, and is monitored monthly.<br>h. Rob Sherman is the new Republic landfill manager (from Waste Management and American Airlines). |                |
| FURTHER REVIEW NEEDED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                |
| Project Number: 5800                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                |
| Signed: <i>Mike Lindsay</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                |





**SUNSHINE CANYON LANDFILL  
MITIGATION MONITORING  
SITE REPORT**

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| Monitor: Tarik Hadj-Hamou, Ph.D., P.E.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | PAGE 1 OF 2       |
| Discipline: Civil - Geotechnical (SLR)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Date: May 7, 2014 |
| Site Conditions: Sunny, hot and windy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                   |
| <b>SITE LOG</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                   |
| 9:00 arrive at Sunshine Canyon Landfill ; met with Jim Aidukas and Mike Lindsay (UltraSystems) and prepare for monitoring visit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                   |
| 9:30 met with John Nelson and Kawsar Vazifdar (LACDPW), Jim Aidukas and Mike Lindsay (UltraSystems); signed-in at the office                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                   |
| 9:45 - 12:45 site tour<br>Observed the following areas: drainage , slopes, roads,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                   |
| Drainage system <ul style="list-style-type: none"> <li>• Sedimentation basins               <ul style="list-style-type: none"> <li>○ Basins A and D are clean</li> <li>○ Terminal basin contains some fines due to latest storm –</li> </ul> </li> <li>• Channels               <ul style="list-style-type: none"> <li>○ We noted that that the condition of portion on the westside drainage channel between Basin A and Basin D noted in previous visits has worsened. , The floor of the channel is uplifted in the middle with a large crack exhibiting a vertical offset of about 1 ¼ inch and weeds growing (Photos 1 and 2).</li> <li>○ Cracks mentioned in previous visits on the west side (native soil side) of the channel are getting worse with concrete spalling and pieces falling off. By contrast, on the east side (landfill side) the tree has been removed showing broken concrete wall facing (Photo 3).</li> </ul> </li> <li>• In a large storm, the conditions noted above could worsen leading to significant damage to the channel as water could enter below the slab and lift it.</li> </ul> |                   |
| Slopes <ul style="list-style-type: none"> <li>• No issues</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                   |
| Roads<br>Work has begun on the new access road. Clearing and grubbing on the slope near the entrance of the landfill was on-going. The initial segment of the new access road will require cutting some of the native material and installing concrete piers socketed into native material to provide for the stability of the waste mass.<br>We were presented the construction drawings showing the extent of the cut and locations of the piers.<br>We were also provided with reports demonstrating that the requirement for a factor of safety of 1.5 and maximum slope inclination of 1.5:1 were met (per city M-4.1.6 1.6 17 and County Geology 1.02)                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                   |
| <b>COMMENTS</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                   |
| Condition of west side concrete channel between Basin A and Basin D is worsening. From a slight crowning the vertical uplift deformation has now reached 1.5 inch with an offset. Republic should                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                   |





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| investigate and understand the reason for such uplift. Swelling soil due to water intrusion at initiation of crack on north side? Leak at P243 should be addressed? Or slow creeping slope (either native or waste side) causing the channel to buckle? |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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| Signed: |
|---------|

A handwritten signature in blue ink, appearing to read "A. Hoffman", is written over the signature line.



## June Site Visits

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### **June 11, 2014:**

James Aidukas (UltraSystems)

Mike Lindsay (UltraSystems)

### **June 24, 2014:**

James Aidukas (UltraSystems)

Mike Lindsay (UltraSystems)





**SUNSHINE CANYON LANDFILL  
MITIGATION MONITORING SITE REPORT**

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| Monitor: James Aidukas                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Page: 1 of 2        |
| Discipline: Project Manager                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Date: June 11, 2014 |
| Site Conditions: Clear and sunny, low 70's                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                     |
| <b>SITE LOG</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                     |
| <p>Republic Site Manger - Rob Sherman</p> <p>Met with John Nelson (LACDPW) and Mike Lindsay (UltraSystems). Signed in and briefly talked to Rob Sherman about general site activities. Mike Lindsay proceeded to monitor the condition of the westside drainage channel and recent activities on the City and County top decks. John Nelson and I proceeded to monitor the site and observed the following:</p> <ul style="list-style-type: none"> <li>• The outlet risers in Basin A were blocked off by a soil berm to restrict any release of water into the westside drainage outlet. This was done to allow removal and reconstruction of the drainage channel at the toe of the City south old fill area. Wind-blown litter was seen on the native hillsides adjacent to Basin A.</li> <li>• The area west of the offices was being excavated for future development and soil was being used for daily cover. There was a paleontologist monitor on site.</li> <li>• The westside drainage channel had no change since May. The cause for the uplifting and broken concrete walls should be investigated.</li> <li>• The material storage area had the scrap drainage metal corrugated pipe stockpiled for recycling. Other materials were being organized.</li> <li>• Flare 9 and 10 had additional filtration media added to the air blower intake filters to remove fine dirt particles. The Flare 9 air blower rubber pipe connector that was split was not yet replaced. It is scheduled to be done at the next flare shutdown. A one-gallon gas can containing gas was left on the Flare 10 foundation. it appears that it is used to light the flare.</li> <li>• The gas-to-energy facility is nearing completion with commissioning of equipment ongoing. Initial start-up and test runs of the turbine driven generators is scheduled for August.</li> <li>• The native hillside slopes above and below the Flare 9 and 10 site had very sparse vegetation. The slopes below the gas-to-energy site was void of vegetation. The hydro-seeding was not successful on these slopes.</li> <li>• The drainage channel inlet to Basin B had debris blocking one of the drainage pipes.</li> <li>• The County top deck had no filling activity since May.</li> <li>• The hydroseeded areas were observed and no germination of the seed had occurred due to lack of rain.</li> <li>• The City Deck A was observed and the native vegetation on the west side of the top deck and adjacent back slopes was doing well.</li> <li>• The grading activity for the access road realignment was stopped. Portions of the grading to complete the drainage was still underway. A soil test hole approximately four feet wide and fifteen feet high was made into the side of one of the slopes, which revealed a fine silicone sand-type condition.</li> <li>• Illegally dumped trash and wind-blown litter was seen on Sierra Highway near the I-14 overpass.</li> <li>• Dumped concrete asphalt debris and a mattress and box springs were seen on San Fernando Road south of the I-5 overpass.</li> </ul> |                     |



Page 2 of 2, June 11, 2014.

Flare operating conditions:

- Flare 1 - 1695° F, 2547 SCFM, -61" H<sub>2</sub>O vacuum
- Flare 3 - 1684° F, 2008 SCFM
- Flare 9 - 1677° F, 4010 SCFM, -56" H<sub>2</sub>O vacuum
- Flare 10 - 1665° F, 3732 SCFM, -56" H<sub>2</sub>O vacuum

Met with Mr. Tyson after the monitoring.

FURTHER REVIEW NEEDED

COMMENTS

Signed: 





**SUNSHINE CANYON LANDFILL  
MITIGATION MONITORING  
SITE REPORT**

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| Monitor: <b>Mike Lindsay</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Page <u>1</u> of <u>2</u>         |
| Discipline: Environmental Engineer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Date: <u>06-11-14</u> <u>Wed.</u> |
| Site Conditions: <u>Clear, sunny, 64-75°F, 0-10 mph</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                   |
| SITE LOG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                   |
| <ol style="list-style-type: none"> <li>1. Met with John Nelson (LACDPW), Jim Aidukas (UltraSystems)</li> <li>2. Checked into office and with Rob Sherman (Republic).</li> <li>3. Observed Sediment Basin A with new soil berm built around vertical drains.</li> <li>4. Observed wind-blown trash along NW slope of Sed. Basin A.</li> <li>5. Observed paleo. monitor at Westside Drainage construction site.</li> <li>6. Existing Westside Drainage (built approx. 1994) has concrete uplifting and cracking that is progressively getting worse.</li> <li>7. Measured GPS coordinates and elevations of Westside Drainage uplifting concrete to track movement using a Trimble 2003 GeoXH (<math>\pm 0.1</math> m accuracy).</li> <li>8. BAS Pipe storage yard is in good order, with scrap metal piles still present.</li> <li>9. Observed Sediment Basin B near Temp. Flare to be in good condition, with little sediment build-up.</li> <li>10. Took GPS measurements along final grade elevation contour lines from City/County boundary to County NE Perimeter.</li> <li>11. Measured GPS values of County marking stakes for Well GW575 (e.g. 1866.8 ft. at stake number 575-2).</li> <li>12. Flare 9 is operating at 4002 SCFM, 1674 °F; gas sample measured at 37% CH<sub>4</sub> %Vol., 6.1 %Vol. O<sub>2</sub>, 73 ppm H<sub>2</sub>S, over 500 ppm CO, 143 °F supply temp.</li> <li>13. Flare 10 is operating at 3728 SCFM, 1664 °F.</li> <li>14. Observed City Working Face with Tippers in operation.</li> </ol> |                                   |
| FURTHER REVIEW NEEDED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                   |
| <ol style="list-style-type: none"> <li>1. Remove wind-blown trash along NW slope of SB-A.</li> <li>2. Repair Westside Drainage broken concrete.</li> </ol>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                   |
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| Project Number: 5800                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Signed: <u>Mike Lindsay</u>       |










**SUNSHINE CANYON LANDFILL  
MITIGATION MONITORING SITE REPORT**

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| Monitor: James Aidukas                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Page: 1 of 1        |
| Discipline: Project Manager                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Date: June 24, 2014 |
| Site Conditions: ~80°, slight wind                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                     |
| <b>SITE LOG</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                     |
| <p>Republic Site Manger - Rob Sherman</p> <p>Met with John Nelson and Karlo Manalo (LACDPW), Mike Lindsay (UltraSystems), and Tarik Hadj-Hamou (SLR). Signed in at the office and had a brief meeting with Patti Costa. We discussed the following:</p> <p><u>Sewerline construction status</u> - Patti stated that the construction had started and was put on hold until City DOT received results from street potholing showing clearance required for the sewerline. The results from potholing was submitted and approved by the City DOT. The project is now proceeding.</p> <p><u>Access road realignment status</u> - An RFP is being issued for a new scope of work. The remaining grading and drainage installation for winterizing is being done by Sukit Construction. The prior grading contractor was released from their contract.</p> <p>We then proceeded to monitor the site and observed the following:</p> <ul style="list-style-type: none"> <li>• The Terminal basin was approximately 50% cleared of sediment. The clearing of the basin is scheduled to be completed before the rainy season.</li> <li>• The access road realignment area had rough graded slopes and flat areas that needed fine grading before winterizing could occur. The grading contractor was to complete the finish grading on these areas before Republic was to have soil stabilization materials installed, i.e. jute netting, straw wattles, and hay bales.</li> <li>• City Deck C sage mitigation was doing well with salt bush and quail bush being the predominant plant.</li> <li>• The westside drainage channel appears to have new cracks on the concrete sidewall of the channel. Repair of the channel has not been scheduled.</li> </ul> <p>Flare operating conditions:</p> <ul style="list-style-type: none"> <li>○ Flare 1 - 1690° F, 2630 SCFM, -59" H<sub>2</sub>O vacuum</li> <li>○ Flare 3 - 1695° F, 2015 SCFM</li> </ul> |                     |
| <b>FURTHER REVIEW NEEDED</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                     |
| <b>COMMENTS</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                     |
| <p align="right">Signed: </p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                     |







[illegible]



# Appendix IV

## Meeting Logs

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**Sunshine Canyon Landfill  
Meeting Log for April 2014 Site Monitoring**

April 2, 2014

Post-monitoring meeting with Achaya Kelapanda, Republic's Environmental Manager

**Attendees:**

John Nelson, LACDPW  
James Aidukas, UltraSystems  
Mike Lindsay, UltraSystems  
Susan Foster, UltraSystems



**Discussion:**

We met with Mr. Kelapanda and informed him that we did not observe any gas recovery concerns. Mr. Kelapanda then provided us with the following update on landfill gas activity.


1. The rubber air blower piping expansion joint for Flare #9 was received and will be installed when the flare is shut down.
2. Standby generators are at Flares #9 and #10 to provide power when Edison shuts down the system to replace some wooden electric power poles.
3. Eighty-five (85) wells were abandoned on the Old City North and City South landfill areas. They were replaced with 85 new wells and connected to a new 18" header. This was related to the gas-to-energy facility and sections 29 and 40 tax credits. The new piping to the gas-to-energy facility will be purged with landfill gas to the other collection piping on May 15th.
4. The start of commissioning of the power facility is scheduled for June 15th.
5. The City sewer line is on hold until final permits are obtained.

April 16, 2014

Post-monitoring meeting with Patti Costa, Republic's Environmental Manager; Becky Van Sickle, Republic's Environmental Compliance Specialist; and Achaya Kelapanda, Republic's Environmental Manager

**Attendees:**

John Nelson, LACDPW  
James Aidukas, UltraSystems  
Mike Lindsay, UltraSystems  
Jack Emerson, UltraSystems



**Discussion:**

We had a post-monitoring meeting and provided our observations and questions to the Republic staff and received comments and updates as follows:

- There was a large area on the eastside drainage channel that had graffiti on it.



- Patti Costa stated that this was done about two weeks ago. Maintenance had ordered paint and will schedule the graffiti's removal when supplies are received. How they accessed the site is not known.
- Litter and illegal dumping was seen on Sierra Highway near the I-14 overpass. Also, wind-blown litter was seen on the native hillsides behind Basins A and B.
- Patti Costa stated that the crews are scheduled to clean up Sierra Highway at the end of the week. She said that she would advise the operations manager of the litter at Basins A and B.
- What is the status of moving the seismograph?
- Ms. Costa stated that their consulting geologist had selected a new location near the recycled water facility power panel near the entrance. They will be replacing the equipment with a new and updated system.
- It was observed that the hydroseeded was done. What is the status?
- Ms. Costa stated that 30 acres were hydroseeded and that completes the hydroseeding for this period.
- During monitoring of Flare #1 it was noticed that there was an intermittent and localized odor near the flare foundation.
- Ms. Costa and Mr. Kelapanda both stated that localized odors at a flare station is not an unusual occurrence as long as it is not leaving the site.

Patti Costa also gave the following status updates:

1. The Chatsworth wetlands and riparian mitigation is being held up in the City approval and land transfer process. There was a new appraisal that assesses the land as commercial property at \$11 million instead of being assessed as open space at \$1 million. Ms. Costa was not aware of what the next step is to resolve any outstanding issues. The Corps of Engineers permit extension expires in December 2014.
2. The new sewer pipeline project is on hold until the shoring plan for the lift station is approved by City Building and Safety.
3. The Master Drainage Plan is being revised and will be given to the County when the design completed.
4. The terminal berm construction is scheduled to start in 2015.



**Sunshine Canyon Landfill  
Meeting Log for May 2014 Site Monitoring**

May 7, 2014

Post-monitoring meeting with Patti Costa, Republic's Environmental Manager; Becky Van Sickle, Republic's Environmental Compliance Specialist; and Achaya Kelapanda, Republic's Environmental Manager

**Attendees:**

John Nelson, LACDPW  
Kawsar Vazifdar, LACDPW  
James Aidukas, UltraSystems  
Mike Lindsay, UltraSystems  
Tarik Hadj-Hamou, SLR/UltraSystems



**Discussion:**

We had a post-monitoring meeting and provided our observations and questions to the Republic staff and received comments and updates as follows:

- A leaking potable watering valve was observed near the access road realignment area. It appears that this waterline was being used for the road construction.
  - Patti Costa stated that the construction contractor would be notified of the water leak.
- The Flare #3 was noted as cycling. The vacuum level appeared to be low.
  - Achaya Kelapanda stated that the flare was on flow control. He also thought that the vacuum level should be normal and that the gauge we observed must have been wrong. He checked the flare the next day and notified us that the flare was operating as required.
- A one-gallon can with gasoline in it was observed lying on the ground at Flare #10.
  - Patti Costa stated that the gasoline container will be picked up and reason why it was there would be investigated.
- It was asked if the biological monitor cleared the removal of trees and vegetation during the migratory bird period.
  - Patti Costa stated that their biological monitor, Greg Ainsworth, provide a clearance letter and that the documentation will be given to the City and County for their records.
- Patti Costa then gave us the following information:
  - The site now has a new general manager, Rob Sherman.
  - Hydroseeding is being done using two procedures in a test area: 1) Mulch being put in place first, followed by seed, and 2) Seed first, followed by mulch.
  - An evaluation of success will be done once germination takes place.



# Appendix V

## Landfill GPS Data

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## **INTRODUCTION**

During the second quarter of 2014, UltraSystems conducted Global Positioning System (GPS) surveys at the Sunshine Canyon Landfill, located in Sylmar, California. GPS data was collected for the City of Los Angeles Deck C vegetation cover and the Los Angeles County Westside Drainage ditch and Top Deck area.

## **EQUIPMENT USED**

A Trimble GeoXH 2008 Series handheld GPS device running TerraSync Professional software was used for the measurements. The device has a horizontal and vertical accuracy of 0.1 meters. The GPS built-in antenna was used with a four-foot vertical offset to compensate for carrying the device. Also, the unit was kept ten feet away from any materials that could have an effect on satellite signal reception (e.g. metal within well heads).

## **MEASUREMENT LOCATIONS**

Vegetation perimeter growth lines were walked for area data at the City Deck C sage mitigation area. Measurement points were taken for comparison purposes along the Westside Drainage ditch where shotcrete is uplifting and cracking. For the County Top Deck area, GPS measurements were taken along final grade elevation contour lines from the City/ County boundary to the County northeast perimeter.

## **MEASUREMENT RESULTS**

The City Deck C sage mitigation area was measured for vegetation cover. The overall survey area measured 4.1 acres. The dominant vegetative growth is salt bush, and measured 1.7 acres (42 %) of the total survey area (these values are approximate).

Several measurement points were taken along the Westside Drainage ditch where shotcrete damage is occurring. These points can be used to detect future movement and help evaluate the cause of the uplifting floor and walls.

For this reporting period, elevation measurements showed a slight increase in stockpiled soil on the County Top Deck. For the County Top Deck area, the average elevation was 1,874.9 feet above mean sea level. The average change in elevation for this same area was +0.9 feet (see GPS Elevation Data Table, Appendix V).



# GPS Data Logs

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April 16, 2014

City Deck C Vegetation Cover Measurement

Performed by:

Mike Lindsay, UltraSystems (see GPS Elevation Map)

May 7, 2014

Westside Drainage Shotcrete Damage Measurements

Performed by:

Mike Lindsay, UltraSystems

June 11, 2014

County Top Deck Elevation along Final Grade Contour Lines

Performed by:

Mike Lindsay, UltraSystems (see GPS Elevation Map and Table)



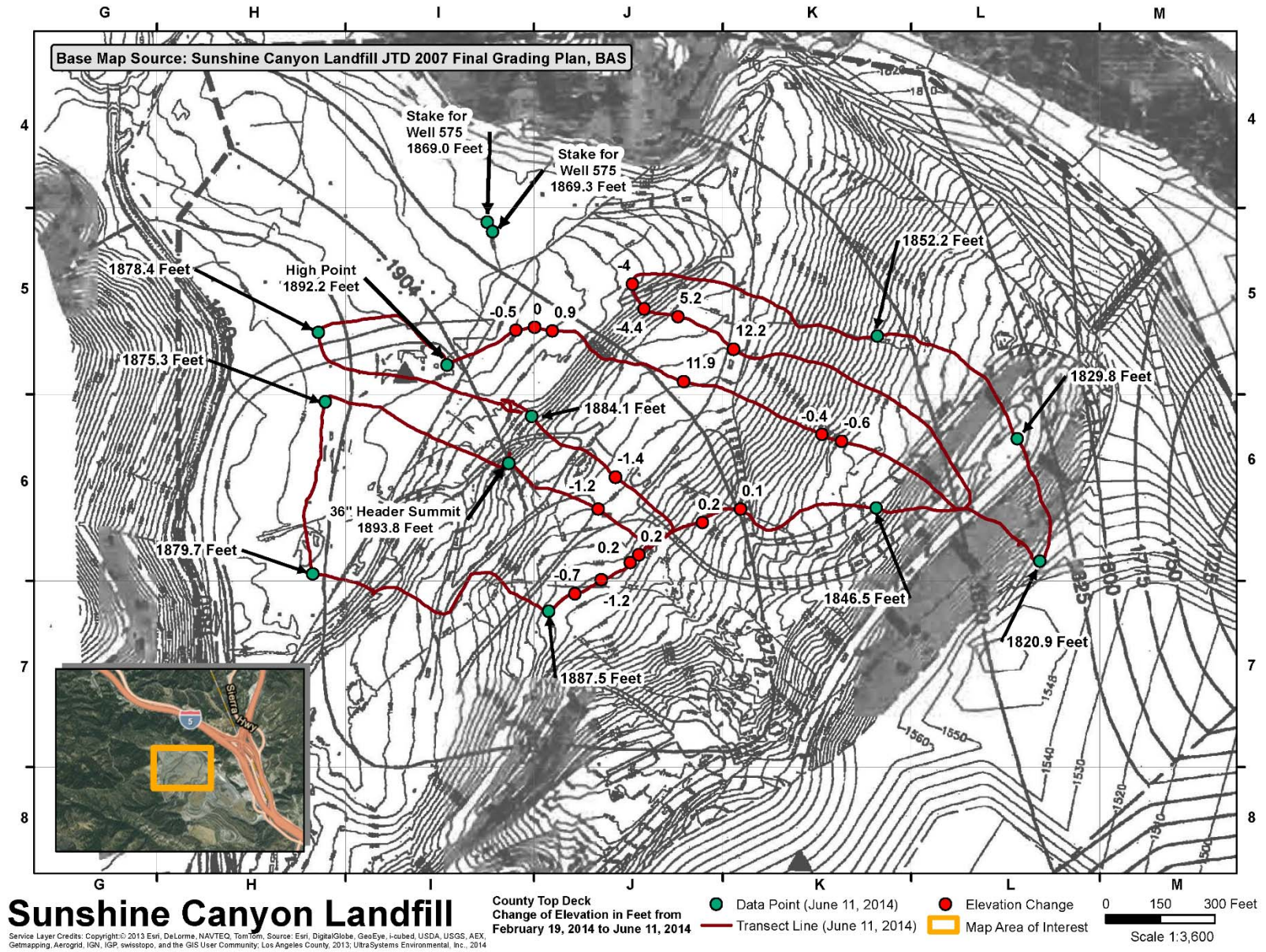
# GPS Maps

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# GPS Elevation Data Table

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**SCL – Elevation Comparison of February 19, 2014 and June 11, 2014 Surveys (feet)**

| <b>Map Grid</b> | <b>GPS Survey Date</b> | <b>Elevation</b>    | <b>GPS Survey Date</b> | <b>Elevation</b>    | <b>Elevation Difference<br/>Feb 19 / Jun 11</b> |
|-----------------|------------------------|---------------------|------------------------|---------------------|-------------------------------------------------|
| K6              | 02-19-2014             | 1863.7              | 06-11-2014             | 1863.8              | 0.1                                             |
| J6              | 02-19-2014             | 1872.0              | 06-11-2014             | 1872.3              | 0.2                                             |
| J6              | 02-19-2014             | 1883.9              | 06-11-2014             | 1884.1              | 0.2                                             |
| J6              | 02-19-2014             | 1885.8              | 06-11-2014             | 1886.0              | 0.2                                             |
| J7              | 02-19-2014             | 1889.4              | 06-11-2014             | 1888.2              | -1.2                                            |
| J7              | 02-19-2014             | 1889.6              | 06-11-2014             | 1888.9              | -0.7                                            |
| J6              | 02-19-2014             | 1891.6              | 06-11-2014             | 1890.4              | -1.2                                            |
| J6              | 02-19-2014             | 1888.7              | 06-11-2014             | 1887.4              | -1.4                                            |
| I5              | 02-19-2014             | 1886.0              | 06-11-2014             | 1885.5              | -0.5                                            |
| J5              | 02-19-2014             | 1881.0              | 06-11-2014             | 1880.9              | 0.0                                             |
| J5              | 02-19-2014             | 1878.3              | 06-11-2014             | 1879.1              | 0.9                                             |
| J5              | 02-19-2014             | 1859.1              | 06-11-2014             | 1870.9              | 11.9                                            |
| K6              | 02-19-2014             | 1856.3              | 06-11-2014             | 1855.8              | -0.4                                            |
| K6              | 02-19-2014             | 1853.4              | 06-11-2014             | 1852.8              | -0.6                                            |
| K5              | 02-19-2014             | 1851.6              | 06-11-2014             | 1863.8              | 12.2                                            |
| J5              | 02-19-2014             | 1862.5              | 06-11-2014             | 1867.7              | 5.2                                             |
| J5              | 02-19-2014             | 1869.6              | 06-11-2014             | 1865.2              | -4.4                                            |
| J5              | 02-19-2014             | 1870.5              | 06-11-2014             | 1866.5              | -4.0                                            |
|                 | 02-19-2014             | 1874.0<br>(Average) | 06-11-2014             | 1874.9<br>(Average) | +0.9<br>(Average)                               |