

**Sunshine Canyon Landfill
Independent Monitor
Quarterly Site Monitoring Status Report
October 1, 2012 – December 31, 2012**

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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Sunshine Canyon Landfill Mitigation Monitoring – 2012 Fourth Quarter Summary/ City
(see Excel spreadsheets)

Sunshine Canyon Landfill Mitigation Monitoring – 2012 Fourth Quarter Summary/ County
(see Excel spreadsheets)

Appendices

Appendix 1 – Relevant Site Photos

Appendix 2 – Site Visit Attendees by Date of Site Visit

Reference Documents

Sunshine Canyon Landfill Independent Monitor Monthly Site Monitoring Status Reports

October 1, 2012 – October 31, 2012 (Revised 2-12-13)

November 1, 2012 – November 30, 2012 (Revised 2-12-13)

December 1, 2012 – December 31, 2012 (Revised 2-12-13)

Quarterly Status Report

The Quarterly Status Report is a compilation of the period's prior three monthly Site Monitoring Reports. 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 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, 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 reports and the Summary of Requested Documents of the Quarterly Reports. The City and County Excel Spreadsheets record the site conditions observed during monitoring.

This Quarterly Report provides the City of Los Angeles Department of Planning and the County of Los Angeles Department of Regional Planning with a concise status of the Mitigation Measure Monitoring for the period of October 1, 2012 to December 31, 2012. It includes:

1. The City and County Mitigation Monitoring Summary Excel Tables for December. These tables record the areas of monitoring completed during the fourth quarter 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. 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
5. Monthly Reports for each month of the quarter as reference documents.

Site Visits During the Quarter

Six site visits were performed by UltraSystems during the October through December 2012 quarter in order to observe operational site activities and determine compliant status with conditions and/or mitigation measures. They were performed on October 9, 2012; October 29, 2012; November 15, 2012; November 28, 2012; December 7, 2012; and December 19, 2012. 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

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 1. For a more detailed site record, including additional photos, refer to the individual monthly reports which are attached as reference documents.

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 reports provide a summary of these comments where monitoring efficiency would be improved by having reports and documents readily available. These are summarized in the Summary of Requested Documents in the Quarterly Report.

Non-Compliant

During UltraSystems' six 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.

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.*

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)

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;

Biota - Revegetation - 44.A (County)

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

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

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

Current Status/Comments – In October, the establishment of temporary re-vegetation on inactive and closed landfill surfaces had not been successful. Republic's consulting biologists were proposing a new seed mix and soil treatment procedures that were scheduled for November. During the November 15, 2012 site visit, it was observed that the City North area was hydroseeded with the new seed mix. As of then, very little hydroseed had germinated within the interim cover areas. On the November 28, 2012 site visit, it was noted that the City North slopes that were hydroseeded with the new seed mix had vegetation growing. In December, the City North slopes that had been hydroseeded with the new mix had germinated and were starting to show vegetation growth. Other previously seeded areas had also started to grow vegetation. The recent rainstorms in December may have contributed to the germination and recent growth. A follow-up to track the growth and coverage of this new seed mix and

a review of Republic's consulting biologists' report concerning the success and any recommendations will be important to implementing a successful interim vegetation program.

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.

M-4.4.1(61) (City)

Venturan Coastal Sage Scrub

Surface soils and seed source will be gathered from areas of the project site and spread within onsite mitigation areas.

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 on-site. The implementation of this plan will provide on-site mitigation greater than 1:1 to offset the loss of coastal sage scrub.

Current Status/Comments – Republic presented a coastal sage mitigation plan to the County Solid Waste Task Force in September for the City South top decks. Sediment removed from the sedimentation basin was moved to the Top Deck C for amending soil. The start of construction for the sage mitigation is scheduled to start in January 2013. The County sage mitigation area has minimal sage established and no work is being done on this area.

M-4.4.2(69) (City)

Offsite Mitigation Sites

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

Current Status/Comments – Republic advised the monitor that they were working with the City of Los Angeles on the land use issues at the Chatsworth Reservoir and that they anticipated them to be resolved by August 2013. A new schedule for the start of construction to create wetlands at the Chatsworth Reservoir site should be developed based upon the current status, and it should be provided to the City of Los Angeles Department of City Planning and the County of Los Angeles Department of Regional Planning.

Air Quality - 6.02 (County)

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

Fugitive Dust - 45.F (County)

Inactive Areas Monitoring

F. Inactive areas of exposed dirt that have been sealed shall be regularly monitored to determine the need for additional sealing and to prevent unauthorized access that might disturb the sealant. If additional sealing treatment is required, the Permittee shall promptly apply such treatment to assure full control of the soil particles;

Current Status/Comments – The establishment of temporary re-vegetation on inactive and closed landfill surfaces has not been successful. New seed mixes and soil treatment procedures are being tried. Dust from these unvegetated areas is currently being controlled primarily by wetting the soil with reclaimed water and the application of hydroseed with a binder material. During the windy season, Republic should evaluate applying soil sealant to inactive areas.

M - 4.2.12 (25) (City) - Refuse Trucks (City)

The following measures will be applied to the project proponent's operated trucks that utilize the project site.

- c. Using a progressive fee schedule, the project proponent shall encourage trucks to carry full loads.*

Landfill Capacity - 27 (County)

The Permittee shall charge its customers higher tipping fees for delivering partial truck loads to the Facility, and for delivering trucks to the Facility during peak commuting hours. Notwithstanding the preceding sentence, in lieu of charging higher tipping fees, the Permittee may implement some other program, as approved by the Department of Public Works, to discourage this type of activity by its customers.

Traffic/Circulation - 8.08 (County)

The permittee shall charge its customers higher tipping fees for delivering partial truck loads to the Facility, and for delivering trucks to the Facility during peak commuting hours. Notwithstanding the preceding sentence, in lieu of charging higher tipping fees, the permittee may implement some other program, as approved by the Department of Public Works, to discourage this type of activity by its customers.

Current Status/Comments – A program should be developed to charge differential fees for partially loaded trucks and trucks delivering waste to the site during peak commuting hours. This program

should be provided to the City of Los Angeles Department of City Planning and the County of Los Angeles Department of Regional Planning.

Alternative Fuel Vehicles - 77.B-H. (County)

B. Within the first year after the Effective Date, the Permittee shall purchase, and put into operation, 10 alternative fuel Refuse collection trucks or transfer trucks at the Facility, to the extent deemed technologically and economically feasible by the TAC;

C. Within the first year after the Effective Date, the Permittee shall prepare and submit an alternative fuel vehicle report to the TAC for review and approval. The report shall contain information on available alternative fuel technologies and their economic feasibility, as well as other information deemed necessary by the TAC to determine the feasible use of alternative fuels at the Facility;

D. 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;

E. Within 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;

F. Within six years after the TAC determines the appropriate technological and economic feasibility, 75 percent of all of truck trips entering the Landfill, with a Solid Waste capacity of at least nine tons, shall be made by non-diesel alternative fuel vehicles;

G. With the assistance of the SCAQMD and the DPH-LEA, the Permittee shall use its best efforts to participate in a clean fuel demonstration program with one or more types of off-road heavy-duty equipment; and

H. As part of its annual report to the TAC required by the IMP, the Permittee shall submit an ongoing evaluation of its compliance with each component of this Condition No. 77. The Permittee may appeal the requirements of this Condition No. 77 to the Director of the Department in accordance with the procedure described in Condition No. 11 for the appeal of a notice of Violation, but only on the bases of whether a particular alternative fuel is technologically or economically feasible.

Air Quality 6.11 (County)

The permittee shall be subject to the following requirements regarding non-diesel, alternative fuel vehicles and equipment:

a. Upon the Effective Date of this grant, all light-duty vehicles operated at the facility shall be alternative fuel vehicles, to the extent deemed technologically and economically feasible by the TAC;

b. Within the first year after the Effective Date of this grant, there shall be 10 alternative fuel refuse collection trucks or transfer trucks at the Facility, to the extent deemed technologically and economically feasible by the TAC;

c. Within the first year after the Effective Date, the permittee shall prepare and submit an alternative fuel vehicle report to the TAC for review and approval. The report shall contain information on available

alternative fuel technologies and their economic feasibility, as well as other information deemed necessary by the TAC to determine the feasible use of alternative fuels at the Facility;

d. 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;

e. Within 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 nondiesel 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;

f. Within six years after the TAC determines the appropriate technological and economic feasibility, 75 percent of all of truck trips entering the Landfill, with a Solid Waste capacity of at least nine tons, shall be made by non-diesel alternative fuel vehicles;

g. With the assistance of the SCAQMD and the DPH-LEA, the permittee shall use its best efforts to participate in a clean fuel demonstration program with one or more types of off-road heavy-duty equipment; and

h. As part of its annual report to the TAC required by the IMP, the permittee shall submit an ongoing evaluation of its compliance with each component of this Condition No. 77. The permittee may appeal the requirements of the Condition No. 77 to the Director of the Department in accordance with the procedure described in Condition No. 11 for the appeal of a notice of violation, but only on the bases of whether a particular alternative fuel is technologically or economically feasible.

Current Status/Comments – The September 17, 2012 Review Update of Alternative Fuel Technologies status report prepared by Environ and submitted to TAC only addresses the use of alternative fuels for heavy-duty landfill equipment. The report does not show the technological and economic feasibility of alternative fuels for collection and transfer trucks. These requirements may have been cleared in years prior to the current monitor's involvement.

Odor/Landfill Gas / 7.04 (County)

Risks associated with the gas collection and flaring system shall be mitigated through use of flexible piping, flame arrestors, sensors, and automatic shutoff controls. Numerous safety shutdown devices have been designed and installed into the flare station, including a telephone auto-dialer, to provide emergency notification. All gas extraction equipment, including gas condensate and propane tanks, shall be adequately secured to prevent damage during a seismic event. Inspections of the gas collection and flaring system shall be performed after ground-shaking from an earthquake, and necessary action shall be taken to correct any potential problems.

Current Status/Comments – On November 15, it was observed that the piping on the Flare 1 blower skid was missing hold-down brackets. The brackets may be needed to meet seismic requirements.

M-4.2.13(33) (City)

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 recovery system.

Odor/Landfill Gas 7.06 (County) - Resolved

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 recovery system.

Current Status/Comments – During the 4th Quarter, minor localized gas piping leaks at flare stations were observed and reported to Republic staff. These conditions were attended to by Republic and repairs were scheduled and made. They were: replacement of condensate drain piping at Flare 1 inlet knockout; replacement of a gasket at Flare 1, Blower C; and repair of flange sealing surface at Flare 8, Blower C discharge.

M-4.3.1(37) (City)

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

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, channelized, and conveyed into Sedimentation Basin A. 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 2.03 (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. On-site 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).

Surface Water 2.07 (County)

The Department of Public Works will review and approve the drainage control system design for conformance with County Flood Control Standards.

Current Status/Comments – Republic’s surface drainage control system design should be reviewed and approved by the LA County Department of Public Works.

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 – Basin A, Basin B, Basin D and the terminal basin were cleaned and filter fabric and rock were placed around the outlet risers prior to the first of the rainstorms. The basins were ready to handle winter storm flows. In November it was observed that there were soils sloughing from the natural hillside into the eastside channel. At the end of November, all of the basins had sediment from the recent rain. There was sediment approximately 4" deep at the rock near the outlet risers in Basin A. Basin B had 3" - 4" of sediment at the outlet risers, and the Terminal Basin had approximately 6+". Basin D was clean with no evidence of sediment buildup. At the end of the quarter, the sediment build-up was relatively unchanged. Basins A, B and the Terminal Basin had standing water.

Areas of concern included: no safety bars on Basin A outflow pipes; no safety covers on Basin D outlet risers; cracks and spalling in a portion of the westside drainage ditch concrete bottom and walls; concrete wall undermined and collapsing at Basin D North drainage ditch and HDPE liner material loose and blocking flow; concrete wall undermined by surface flow at the new eastside drainage ditch; horizontal crack in the exterior wall of the Terminal Basin.

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 – The oil field south gate was unlocked during the 4th Quarter monitoring period.

Biota – 4.10 (County)

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

Current Status/Comments – Approximately 94 out of 100 Big Cone Fir trees planted in the fall of 2010 are surviving. Republic is currently working with the County Forester, who is either picking a different species or possibly exchanging for oaks. This status has remained unchanged since April. Republic is awaiting input from the County Forester. An update should be provided by Republic.

In December, it was observed that the Big Cone Fir mitigation area had some of the fir trees growing into the mesh support cages. Additionally, some of the plants were growing taller than the cages and basal growth was being stunted by the cages. Republic's consulting biologist should evaluate the condition of the fir mitigation trees and make any modifications to the cages as required.

Visual 10.11 (County) –Resolved

The permittee's on-site 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 – On October 29, 2012, litter was observed on Sierra Highway near the I-14 overpass. In November, these areas of County roadways and adjacent right-of-ways were added to the regular scheduled monitoring and clean-up of litter and illegal dumping. On the November 28, 2012 site visit, the Sierra Highway area near the I-14 overpass was observed to be clean and free of litter and illegal dumping.

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 on-site fire response capabilities, construct access roads, 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 of water tanks, water mains and fire hydrants will be completed to meet the fire flow requirements of the Fire Department.

Current Status/Comments – During the December 19, 2012 site visit, the power lines from condensate handling facility to the leachate treatment facility had tree branches hanging over them creating a fire hazard. The tree branches need to be trimmed.

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.

Current Status/Comments – The preventative maintenance plan should be available onsite for review, along with inspection reports for the stormwater management facilities and structures.

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 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) Current erosion control plans
- f) Site drainage plans, including surface and underdrains 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 track progress toward being fully compliant. Notwithstanding the above, air quality issues are not being actively monitored by UltraSystems, and may not be compliant.

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

Sunshine Canyon Landfill Fourth Quarter 2012 Mitigation Monitoring Summary / City – See Excel Spreadsheet

Sunshine Canyon Landfill Mitigation Monitoring Summary - (City 10-01-2012 through 12-31-2012)

Line #	Reference #	Mitigation #	City Mitigation Measures and Conditions Monitored by Discipline	Monitoring Frequency	10/9/2012	Status*	Further Review Needed/Comments**	Resolved*	10/29/2012	Status*	Further Review Needed/Comments**	Resolved*	11/15/2012	Status*	Further Review Needed/Comments**	Resolved*	11/28/2012	Status*	Further Review Needed/Comments**	Resolved*	12/7/2012	Status*	Further Review Needed/Comments**	Resolved*	12/19/2012	Status*	Further Review Needed/Comments**	Resolved*
1	Project Manager																											
2																												
3																												
4	Q - A.3.		Definitions	info	/				/				/				/				/				/			
5	Q - A.6.		Submit Annual Reports	June yearly	/				/				/				/				/				/			
6	Q - A.10.		Provision of Fees	yearly	/				/				/				/				/				/			
7	Q - B.1.		Permitted/Prohibited Landfill Uses	yearly	/				/				/				/				/				/			
8	Q - B.2		Approval of Landfill	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
9	Q - B.2.c.		Ancillary Uses and Facilities	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
10			Ancillary Uses and Facilities																									
11	Q - B.2.d (3)		10 Year Phase Review	2015	/				/				/				/				/				/			
12			10 Year Phase Review																									
13	Q - B.4.d.		Inert/Exempt Materials	info	/				/				/				/				/				/			
14	Q - B.5.a.		Prohibited Waste	info	/				/				/				/				/				/			
15	Q - B.6.		Waste Diversion	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
16	Q - C.3.g.		Paved Access Roads	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
17	Q - C.3.h.		Surfacing of Access Roads	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	

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18	Q - C.5.		Graffiti Removal and Deterrence	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
19	Q - C.10.c.		Evaluation of Beneficial Gas Usage	June yearly	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
20	Q - C.10.d. (1)		Alternative Fuel Vehicles	status																								
21	Q - C.10.d. (2)		Alternative Fuel Refuse Collection Trucks	status																								
22	Q - C.12.a.		Technical Advisory Committee	info	/				/				/				/				/				/			
23	Q - C.12.c.		Contract for Mitigation Monitoring	info	/				/				/				/				/				/			
24	Q - C.12.c.		Contract for Mitigation Monitoring-5 years	info	/				/				/				/				/				/			
25																												
26	T - 4		Fire Plan	status	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
27	T - 5.j.		Trip Diversion	status	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
28	T - 6		Satisfactory Street Lighting	status	/				/				/				/				/				/			
29																												
30	M - 4.1.1	7	Reabandonment Procedures	status	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
31	M - 4.1.4	11	Post-5.0 Earthquake Analysis	upon event	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
32	M - 4.2.12	27	Heavy Equipment Operations	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
33	M - 4.2.12		Heavy Equipment Operations	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	

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34	M - 4.2.12	28	Site Erosion-Cover	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
35	M - 4.2.12		Site Erosion-Cell Height	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
36	M - 4.2.12		Site Erosion-Sealant	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
37	M - 4.2.13	29	LFG Control Measures	ongoing	/		I-t		/		I-u		/		I-v		/		I-w		/		I-x		/		I-y	
38	M - 4.2.13	30	Operational Odor Control Techniques	ongoing	/		I-t		/		I-u		/		I-v		/		I-w		/		I-x		/		I-y	
39	M - 4.2.13	31	Solid Waste Compaction	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
40	M - 4.2.13	32	LFG Collection and Recovery System	ongoing	/		I-t		/		I-u		/		I-v		/		I-w		/		I-x		/		I-y	
41	M - 4.2.13	33	Odor Control Measures	ongoing	✓	FRN	I-t		✓	FRN	I-u		✓	FRN	I-v		✓	FRN	I-w		✓	FRN	I-x		✓	R	I-y	
42	M - 4.2.13	34	Odor/LFG Monitoring	ongoing	/		I-t		/		I-u		/		I-v		/		I-w		/		I-x		/		I-y	
43			Periodic LFG Monitoring		/		I-t		/		I-u		/		I-v		/		I-w		/		I-x		/		I-y	
44	M - 4.3.2	52	LFG Migration Mitigation	ongoing	/	NA			/	NA			/	NA			/	NA			/	NA			/	NA		
45	M - 4.3.2	57	Dust Control Water	ongoing	✓	C	NONE		✓	C	NONE										✓	C	NONE		✓	C	NONE	
46	M - 4.4.2	69	Offsite Mitigation Sites	status					✓	FRN	I-u														✓	FRN	I-y	
47	M - 4.4.2	70	Purchasing Wetland Credit	status	/				/				/				/				/				/			
48	M - 4.4.2	71	Funding-Invasive Species Eradication Program	status	/				/				/				/				/				/			
49	M - 4.6	85	Site Lighting	status	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE									

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50	M - 4.7.1	86	Open Space Buffer Area	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE									
51	M - 4.9.3	106	Litter Minimization	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE									
52	M - 4.9.3	107	Litter/Debris Containment	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
53	M - 4.9.3	108	Vehicle Tarping Requirements	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
54	M - 4.9.3	109	Periodic Offsite Litter Pickup	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
55	M - 4.9.3	110	Illegal Dumping Activities	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
56	M - 4.9.3	111	Radio Dispatch Litter Control	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
57	M - 4.9.3	112	Litter Control	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
58	M - 4.9.5	127	Address Concerns of Citizens' Advisory Committee	ongoing	/				/				/				/				/				/			
59	M - 4.9.6	128	Landfill Gas/Collection System-Unsafe Methane Levels	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
60	M - 4.9.6	129	Landfill Gas/Collection System-Detection/Training	ongoing																								
61	M - 4.9.6	130	Landfill Gas/Collection System-Risk Mitigation	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
62	M - 4.16.4	176	Reclaimed Water	status	/				/				/				/				/				/			
63	M - 4.16.4	177	Water Conservation	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
64																												
82	Civil & Geotechnical Engineer																											
83																												

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84																												
85	M - 4.1.1	2	Grading Outside of Conceptual Grading Plan Area	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
86	M - 4.1.1	3	Unsuitable Material Removal/Buffer Zones	ongoing																								
87	M - 4.1.1	4	Grading Outside of Landfill Footprint	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
88	M - 4.1.1	5	Grading Activity Compliance	ongoing																								
89	M - 4.1.2	8	Landslide Guidelines	ongoing																								
90	M - 4.1.2	9	Soil Stabilization	ongoing																								
91	M - 4.1.4	10	Landfill Design	ongoing																								
92	M - 4.1.4	11	Earthquake Operations Checklist	upon event	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
93	M - 4.1.5	12	Geologic Hazards - Liquefaction	ongoing																								
94	M - 4.1.5	13	Design/Construction- Liquefaction	ongoing																								
95	M - 4.1.5	14	Design/Construction- Containment Structures	ongoing																								
96	M - 4.1.6	15	Refuse Slope Gradients	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
97	M - 4.1.6	16	Cut and Fill Slope Gradients	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
98	M - 4.1.6	17	Final Slope Factors of Safety	ongoing																								
99	M - 4.1.6	18	Survey Monuments	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
100	M - 4.3.2	47	Landfill Liner	ongoing	✓	NA	I-t																					

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101	M - 4.3.2	48	Landfill Liner	ongoing	✓	NA	I-t									✓	C	I-w										
102	M - 4.3.2	54	Preliminary Closure/Postclosure Plan	status																								
103	M - 4.3.2	55	Landfill Design/Operation/Final	status																								
104	M - 4.3.2	56	Cover Application	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
105	M - 4.14.1	155	Access Roadway Grade	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
106	M - 4.18	178	Landfill Elevation Exceedance	ongoing	✓	C	I-t		✓	C	I-u		✓	C	I-v		✓	C	I-w		✓	C	I-x		✓	C	I-y	
107																												
108	Hydrologist																											
109																												
110																												
111	M - 4.1.4	11	Earthquake Operations Checklist	upon event	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
112	M - 4.3.1	36	Surface Water Infiltration Minimization	ongoing	✓	C	I-t									✓	C	I-w						✓	C	I-y		
113	M - 4.3.1	37	Surface Drainage Systems	ongoing	✓	FRN	I-t		✓	FRN	I-u													✓	C	I-y		
114	M - 4.3.1	38	Permanent/Temporary Ditches	ongoing	✓	FRN	I-t																					
115	M - 4.3.1	39	Drainage Protection	ongoing	✓	C	I-t									✓	C	I-w						✓	C	I-y		
116	M - 4.3.1	40	SWRCB Permit Coverage	ongoing																								
117	M - 4.3.1	41	Surface Water Collection System	ongoing																								
118	M - 4.3.1	42	Surface Water Quality Monitoring	ongoing																								

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119	M - 4.3.1	43	Sediment Basin Maintenance	ongoing																								
120	M - 4.3.1	44	Final Landfill Cover	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
121	M - 4.3.1	45	Erosion Control Plan	ongoing	✓	C	I-t										✓	C	I-w						✓	C	I-y	
122	M - 4.3.1	46	Preventive Maintenance Program	ongoing	✓	C	I-t										✓	C	I-w						✓	FRN	I-y	
123	M - 4.3.2	49	Interception of Groundwater Seepage	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
124	M - 4.3.2	50	LCRS/Leachate Monitoring	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
125	M - 4.3.2	51	LCRS Monitoring	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
126																												
127	Biologist																											
128																												
129																												
130	M - 4.1.1	6	Slope Erosion Control	ongoing	✓	FRN	I-t		✓	FRN	I-u		✓	FRN	I-v		✓	FRN	I-w		✓	FRN	I-x		✓	FRN	I-y	
131	M - 4.2.11	23	Revegetation/Excavation	ongoing	✓	FRN	I-t		✓	FRN	I-u		✓	FRN	I-v		✓	FRN	I-w		✓	FRN	I-x		✓	FRN	I-y	
132	M - 4.2.12		Temporary Vegetation Cover	ongoing	✓	FRN	I-t		✓	FRN	I-u		✓	FRN	I-v		✓	FRN	I-w		✓	FRN	I-x		✓	FRN	I-y	
133	M - 4.4.1	60	Coastal Sage Scrub Mitigation Plan	ongoing	✓	FRN	I-t		✓	FRN	I-u		✓	FRN	I-v		✓	FRN	I-w		✓	FRN	I-x		✓	FRN	I-y	
134	M - 4.4.1	61	Coastal Sage Scrub Seeding	ongoing																	✓	FRN	I-x					
135	M - 4.4.1	62	Mariposa Lily Mitigation Plan	ongoing																								
136	M - 4.4.1	63	San Diego Horned Lizard Mitigation	ongoing	/				/				/				/				/				/			

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137	M - 4.4.1	64	California Gnatcatcher Surveys	ongoing	/				/				/				/				/				/			
138	M - 4.4.1	65	Least Bell's Vireo Surveys	ongoing	/				/				/				/				/				/			
139	M - 4.4.1	66	Western Burrowing Owl Surveys	ongoing	/				/				/				/				/				/			
140	M - 4.4.1	67	Migratory Bird Treaty Act	ongoing	/				/				/				/				/				/			
141	M - 4.4.1	68	Raptor Nests Habitat	ongoing	/				/				/				/				/				/			
142	M - 4.4.3	72	Native Tree Mitigation	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
143	M - 4.4.3	73	Nonnative Tree Mitigation	status	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
144	M - 4.4.3	74	Mitigation Tree Planting	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
145	M - 4.4.3	75	Tree Planting Mitigation Site Prep	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
146	M - 4.4.3	76	Poultry Wire Screen	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
147	M - 4.4.3	77	Backfill Material	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
148	M - 4.4.3	78	Tree Planting Procedure	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
149	M - 4.4.3	79	Tree Area Mulching	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
150	M - 4.4.3	80	Tree Irrigation/Fertilization	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
151	M - 4.4.3	81	Irrigation System	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
152	M - 4.4.3	82	Annual Tree Monitoring Report	annual																								
153	M - 4.9.2	96	Vector Activity Monitoring	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	

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154	M - 4.9.2	97	Vector Elimination	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
155	M - 4.9.2	98	Fly Control	ongoing																								
156	M - 4.9.2	99	Rodent Control	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
157	M - 4.9.2	100	Operational Vector-Limiting Activity	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
158	M - 4.9.2	101	Equipment Cleanliness/Maintenance	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
159	M - 4.9.2	102	Storage of Vector-Attracting Items	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
160	M - 4.9.2	103	Salvaged Material Storage- Vector Control	ongoing																								
161	M - 4.9.2	104	Periodic Vector Inspections	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
162	M - 4.9.2	105	Implementation of Vector Control Measures	ongoing																								
163																												
164	Air Quality & Noise Specialist																											
165																												
166																												
167	M - 4.2.11	19	Emissions Mitigation Measures	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
168	M - 4.2.11	19	Construction Curtailing due to Pollution	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
169	M - 4.2.11	20	Dust Lofting Minimization	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
170	M - 4.2.11	21	Wind Speed Monitoring	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
171	M - 4.2.11	22	Grading-Dust Reduction	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	

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172	M - 4.2.12	24	Construction Equipment Maintenance	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
173	M - 4.2.12		Construction Curtailing due to Pollution	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
174	M - 4.2.12	25	Refuse Trucks-Maintenance	ongoing																								
175	M - 4.2.12		Refuse Trucks-Engine	ongoing																								
176	M - 4.2.12		Refuse Trucks-Fee Schedule	ongoing	✓	FRN	I-t																					
177	M - 4.2.12		Refuse Trucks-Fee Schedule Delivery Time	ongoing	✓	FRN	I-t																					
178	M - 4.2.12		Refuse Trucks-Idling	ongoing	✓	C	NONE																					
179	M - 4.2.12		Refuse Trucks-Emissions	ongoing	✓	C	NONE																					
180	M - 4.2.12	26	Truck Travel and Fugitive Dust Emissions	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
181	M - 4.2.12		Truck Travel and Fugitive Dust Emissions	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
182	M - 4.2.12		Truck Travel and Fugitive Dust Emissions	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
183	M - 4.2.12		Truck Travel and Fugitive Dust Emissions	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
184	M - 4.5.2	83	Landfill Hours	info	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
185	M - 4.5.2	84	Landfill Equipment-Noise Reduction	ongoing	✓	C	NONE						✓	C	NONE													
186																												
187	Hydrology, Hazardous Waste / Risk of Upset																											
188																												
189																												

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190	M - 4.3.2	53	Groundwater Monitoring Wells	ongoing																								
191	M - 4.3.2	58	Operation as Class III Landfill	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE									
192	M - 4.3.2	59	Underground Fuel Storage	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
193	M - 4.9.1	90	Refuse Inspection Program	ongoing					✓	C	NONE																	
194	M - 4.9.1	91	Hazardous Waste Load- Checking	status					✓	C	NONE																	
195	M - 4.9.1	93	Hazardous Waste Detection Training	status					✓	C	NONE																	
196	M - 4.9.1	94	Spill Response Program	status					✓	C	NONE																	
197	M - 4.9.4	115	Safety Inspections/Checklists	ongoing					✓	C	NONE																	
198	M - 4.9.4	118	Accident/Injury reports, Inspections	status					✓	C	NONE																	
199	M - 4.9.4	121	Fire Prevention Plan	ongoing					✓	C	NONE														✓	FRN	I-y	
200	M - 4.9.4	123	Personal Protective Equipment	ongoing					✓	C	NONE																	
201	M - 4.9.4	125	Site Access/Fencing	ongoing	✓	FRN	I-t		✓	FRN	I-u		✓	FRN	I-v		✓	FRN	I-w						✓	FRN	I-y	
202	M - 4.14.1	147	Fire Response Capabilities	ongoing																								
203	M - 4.14.1	148	Hydrant Installation	ongoing																								
204																												
205	Archaeologist																											
206																												
207																												

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208	M - 4.19.1	183	Archaeological Resurvey	ongoing	/	NA	I-t		/	NA	I-u		/	NA	I-v		/	NA	I-w		/	NA	I-v		/	NA	I-w	
209	M - 4.19.1	184	Onsite Archaeologist	ongoing	/	NA	I-t		/	NA	I-u		/	NA	I-v		/	NA	I-w		/	NA	I-v		/	NA	I-w	
210	M - 4.19.1	185	Archaeological Resources	ongoing	/	NA	I-t		/	NA	I-u		/	NA	I-v		/	NA	I-w		/	NA	I-v		/	NA	I-w	
211	M - 4.19.1	186	Archaeological Resources	ongoing	/	NA	I-t		/	NA	I-u		/	NA	I-v		/	NA	I-w		/	NA	I-v		/	NA	I-w	
212																												
213	Paleontologist																											
214																												
215																												
216	M - 4.19.2	187	Paleontological Resources Resurvey	ongoing	/	NA	I-t		/	NA	I-u		/	NA	I-v		/	NA	I-w		/	NA	I-v		/	NA	I-w	
217	M - 4.19.2	188	Paleontological Resources Excavation	ongoing	/	NA	I-t		/	NA	I-u		/	NA	I-v		/	NA	I-w		/	NA	I-v		/	NA	I-w	
218	M - 4.19.2	189	Paleontological Resources Training	ongoing	/	NA	I-t		/	NA	I-u		/	NA	I-v		/	NA	I-w		/	NA	I-v		/	NA	I-w	
219	M - 4.19.2	190	Paleontological Resources Recovery	ongoing	/	NA	I-t		/	NA	I-u		/	NA	I-v		/	NA	I-w		/	NA	I-v		/	NA	I-w	
220	M - 4.19.2	191	Paleontological Resources Inspection	ongoing	/	NA	I-t		/	NA	I-u		/	NA	I-v		/	NA	I-w		/	NA	I-v		/	NA	I-w	

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Sunshine Canyon Landfill Fourth Quarter 2012 Mitigation Monitoring Summary / County – See Excel Spreadsheet

Sunshine Canyon Landfill Mitigation Monitoring Summary - County (10-01-2012 through 12-31-2012)

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1	Project Manager																											
2																												
3																												
4	Amendment 45.N 1	45N	Daily Cover Materials	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
5	Amendment 45.N 3	45N	Daily Cover Procedure	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
6	Amendment 45.N 4.a	45N	Order for Abatement Status	ongoing	/		I-t		/		I-u		/		I-v		/		I-w		/		I-x		/		I-y	
7	Amendment 45.N 4.c	45N	Odor Patrol Program	ongoing	/		I-t		/		I-u		/		I-v		/		I-w		/		I-x		/		I-y	
8	Amendment 45.N 4.d	45N	Landfill Gas Mitigation Plan	ongoing	/		I-t		/		I-u		/		I-v		/		I-w		/		I-x		/		I-y	
9	Amendment 45.N 5	45N	Dust and Odor Reports	ongoing	/		I-t		/		I-u		/		I-v		/		I-w		/		I-x		/		I-y	
10																												
11	Combined Site & Bridge Area -20.A	20. A	Joint Powers Authority	info	/				/				/				/				/				/			
12	Combined Site & Bridge Area -20.F	20. F	Mitigation Reporting and Monitoring Program	status	/				/				/				/				/				/			
13	Landfill Capacity - 27	27	Tipping Fees for Partial Loads/Peak Hours	status	✓	FRN	I-t		✓	FRN	I-u		✓	FRN	I-v		✓	FRN	I-w		✓	FRN	I-x		✓	FRN	I-y	
14	Grading & Drainage-41.A -.D	41A D	Water Conservation	status	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
15	Revegetation - 44.F	44. F	Revegetation	status	✓	FRN	I-t		✓	FRN	I-u		✓	FRN	I-v		✓	FRN	I-w		✓	FRN	I-x		✓	FRN	I-y	
16	Fugitive Dust - 45.B	45. B	Working Face Areas	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
17	Fugitive Dust - 45.F	45. F	Inactive Areas Monitoring	ongoing	✓	FRN	I-t		✓	FRN	I-u		✓	FRN	I-v		✓	FRN	I-w		✓	FRN	I-x		✓	FRN	I-y	

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18	Fugitive Dust - 45.I	45.I	Cleaning of Roads	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
19	Litter Control - 46.A - .D	46A-D	Litter Control Program	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
20	Gas - 52	52	Landfill Gas Collection System	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
21	Traffic - 57	57	Traffic Improvements	status	/				/				/				/				/				/			
22	Traffic - 60	60	Street Light Installation	status	/				/				/				/				/				/			
23	Traffic - 61	61	Traffic Minimization	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
24	Permittee Fees - 64 - 72	64-72	Permittee Fees	info	/				/				/				/				/				/			
25	Permittee Fees - 69	69	Permittee Fees-Contributions	info	/				/				/				/				/				/			
26	Permittee Fees - 70	70	Permittee Fees	info	/				/				/				/				/				/			
27	Permittee Fees - 72	72	Permittee Fees	info	/				/				/				/				/				/			
28	Alternative Fuel Vehicles - 77.A	77.A	Alternative Fuel Vehicles-Light Duty	status	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
29	Alternative Fuel Vehicles - 77.B	77.B	Alternative Fuel Vehicles-Refuse/Collection Trucks	status					✓	FRN	I-u						✓	FRN	I-w						✓	FRN	I-y	
30	Alternative Fuel Vehicles - 77.C	77.C	Alternative Fuel Vehicles-Report	status					✓	FRN	I-u						✓	FRN	I-w						✓	FRN	I-y	
31	Alternative Fuel Vehicles - 77.D	77.D	Alternative Fuel Vehicles-heavy-duty, alternative fuel off-	status					✓	FRN	I-u						✓	FRN	I-w						✓	FRN	I-y	
32	Alternative Fuel Vehicles - 77.E	77.E	Alternative Fuel Vehicles-Non-diesel Requirements	status					✓	FRN	I-u						✓	FRN	I-w						✓	FRN	I-y	
33	Alternative Fuel Vehicles - 77.F	77.F	Alternative Fuel Vehicles-Non-diesel Truck Trip	status					✓	FRN	I-u						✓	FRN	I-w						✓	FRN	I-y	

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34	Alternative Fuel Vehicles - 77.G	77.G	Alternative Fuel Vehicles-Clean Fuel Demo Program	status					✓	FRN	I-u						✓	FRN	I-w						✓	FRN	I-y	
35	Alternative Fuel Vehicles - 77.H	77.H	Alternative Fuel Vehicles-Compliance Evaluation	status					✓	FRN	I-u						✓	FRN	I-w						✓	FRN	I-y	
36	Air Quality Monitoring - 81	81	Air Quality Monitoring-Testing	ongoing	/				/				/				/				/				/			
37			Air Quality Monitoring-Testing																									
38	IMP - Part I..A	IMP 1	Air Quality Monitoring-Testing	ongoing	/				/				/				/				/				/			
39			Air Quality Monitoring-Testing																									
40	IMP - Part VI	IMP 6	Air Quality Monitoring-Testing	ongoing	/				/				/				/				/				/			
41																												
42	MMRS-12/01/06		Mitigation Monitoring and Reporting Summary	info	/				/				/				/				/				/			
43			Permits																									
44	Geology - 1.15		Permittee's On-site Solid Waste Recovery and	status	/				/				/				/				/				/			
45	Surface Water - 2.09		SWRCB Permit Coverage	ongoing	/				/				/				/				/				/			
46	Surface Water - 2.15		Surface Water Preventive Maintenance Program	ongoing	✓	FRN	I-t		✓	FRN	I-u		✓	FRN	I-v		✓	FRN	I-w		✓	FRN	I-x		✓	FRN	I-y	
47	Groundwater - 3.13		Groundwater-LFG Migration Mitigation	ongoing	/				/				/				/				/				/			
48	Groundwater - 3.14		Groundwater-Monitoring Wells	ongoing	/				/				/				/				/				/			
49	BIOTA – 4.05		Annual Fee Submission for SEA Studies	status	/				/				/				/				/				/			
50	BIOTA – 4.06		Buffer Zone Maintenance as Nature Preserve	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	

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51	BIOTA – 4.07		Buffer Zone Maintenance-Vegetation	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
52	BIOTA – 4.08		Ridgeline Maintenance-Remain Undisturbed	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
53	BIOTA – 4.47		Cleaning of Equipment	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
54	BIOTA – 4.48		Monitoring of Vector-Attracting Items	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
55	BIOTA – 4.49		Salvaged Material Storage-Vector Control	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
56	BIOTA – 4.50		Vector Activity Monitoring	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
57	Air Quality - 6.03		Dust Emission Minimization	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
58	Air Quality - 6.04		Usage of Cut Material for Cover	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
59	Air Quality - 6.05		Operations in Accordance with SCAQMD/DOPW	info	/				/				/				/				/				/			
60	Air Quality - 6.06		Landfill Gas Control/Extraction System/Monitoring	ongoing	/				/				/				/				/				/			
61	Air Quality - 6.07		Flaring Systems	info	/				/				/				/				/				/			
62	Air Quality - 6.08		Management of Truck Arrivals	ongoing	/				/				/				/				/				/			
63	Air Quality - 6.10		Refuse Truck Mitigation	status	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
64	Air Quality - 6.11		Light Duty Alternative Fuel Vehicles	status	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
65	Air Quality - 6.11		Alternative Fuel Refuse Collection/Transfer Trucks	status					✓	FRN	I-u						✓	FRN	I-w						✓	FRN	I-y	
66	Air Quality - 6.11		Alternative Fuel Vehicle Report Submission	status					✓	FRN	I-u						✓	FRN	I-w						✓	FRN	I-y	

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67	Air Quality - 6.11		Heavy-duty, Alternative Fuel Off-Road Equipment Pilot	status					✓	FRN	I-u						✓	FRN	I-w						✓	FRN	I-y	
68	Air Quality - 6.11		Non-Diesel, Alternative Fuel Vehicles-Transfer/Collection	status					✓	FRN	I-u						✓	FRN	I-w						✓	FRN	I-y	
69	Air Quality - 6.11		Non-Diesel, Alternative Fuel VehiclesTruck Trips	status					✓	FRN	I-u						✓	FRN	I-w						✓	FRN	I-y	
70	Air Quality - 6.11		Clean Fuel Demonstration Program	status					✓	FRN	I-u						✓	FRN	I-w						✓	FRN	I-y	
71	Air Quality - 6.11		Compliance Evaluation	status					✓	FRN	I-u						✓	FRN	I-w						✓	FRN	I-y	
72	Odor/Landfill Gas – 7.01		Landfill Gas Escape Prevention	ongoing	/				/				/				/				/				/			
73	Odor/Landfill Gas – 7.02		Landfill Gas Collection System	ongoing	/				/				/				/				/				/			
74	Odor/Landfill Gas – 7.04		Gas Collection/Flare System Risk Mitigation	ongoing	✓	C	NONE		✓	C	NONE		✓	FRN	I-v													
75	Odor/Landfill Gas – 7.05		Wellhead Awareness	status	/				/				/				/				/				/			
76	Odor/Landfill Gas – 7.06		Odor Control Measures	ongoing	✓	C	I-t	R	✓	FRN	I-u		✓	FRN	I-v		✓	FRN	I-w						✓	R	I-y	
77	Odor/Landfill Gas – 7.07		Gas Recovery and Sale	status	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
78	Traffic/Circulation – 8.03		Street Light Installation	status	/				/				/				/				/				/			
79	Traffic/Circulation – 8.04		Truck Traffic Minimization	status	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
80	Traffic/Circulation – 8.08		Tipping Fees for Partial Loads/Peak Hours	status	✓	FRN	I-t		✓	FRN	I-u		✓	FRN	I-v		✓	FRN	I-w		✓	FRN	I-x		✓	FRN	I-y	
81	Traffic/Circulation – 8.10		Nighttime Landfill Operations Feasibility	status	/				/				/				/				/				/			
82	Traffic/Circulation – 8.11		Parking Management along San Fernando Road	status	/				/				/				/				/				/			

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83	Traffic/Circulation – 8.13		Adequate Queuing	status	/				/				/				/				/				/			
84	Visual – 10.03		Landfill Flare Locations	status	/				/				/				/				/				/			
85	Visual – 10.04		Confinement of Excavation Cover Material	status	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
86	Visual – 10.05		Lighting Requirements	status	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
87	Visual – 10.11		Litter Control Program	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
88	Visual – 10.11		Solid Waste Load Procedures- Improperly	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
89	Visual – 10.11		Debris Removal at Entrance	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
90	Visual – 10.11		Litter Control-Fencing	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
91	Visual – 10.11		Periodic Litter Pickup	ongoing					✓	FRN	I-u		✓	FRN	I-v		✓	C	I-w	R	✓	C	NONE		✓	C	NONE	
92	Visual – 10.11		Litter Control-Additional Measures	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
93	Visual – 10.12		Discharge Control/Litter Recovery	status	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
94	Water Conserv. - 11.01		Water Conservation	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
95	Recycling - 14.01		On-site Waste Diversion/Recycling	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
96	Recycling - 14.03		Tonnage Disposal Determination	info	/				/				/				/				/				/			
97	Recycling - 14.04		Recycling-Various Tasks	info	/				/				/				/				/				/			
98			Clean Dirt Procedures																									

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99	Site - 15.11		Reclaimed Water Utilization	status	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
100	Site - 15.12		Water Conservation Measures	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
101	Admin Rpts/Pgms - 17.4		Operation Compliance	info	/				/				/				/				/				/			
102	Admin Rpts/Pgms -17.10		Fill Sequencing Plans	status																								
103	Admin Rpts/Pgms- 17.15		Quarterly Newsletter	status																								
104	Landfill Operation - 18.7		Graffiti Removal/Deterrent Plan	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
122																												
123	Civil & Geotechnical Engineer																											
124																												
125																												
126	Revegetation - 44.C	44. C	Cut Slope Requirements	ongoing																								
127																												
128	Geology - 1.01		Survey Monument Locations	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
129	Geology - 1.02		Seismic Design	ongoing																								
130	Geology - 1.03		Maximum Refuse Slope Gradients	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
131	Geology - 1.04		Maximum Refuse Slope Gradients	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
132	Geology - 1.05		Unsuitable Material Procedures	ongoing																								

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133	Geology - 1.06		Grading Activities Procedures	ongoing																								
134	Geology - 1.07		Grading Activities Procedures	ongoing																								
135	Geology - 1.09		Outer Perimeter Ridgeline Requirements	info	/				/				/				/				/				/			
136	Geology - 1.12		Soil Stabilization	ongoing																								
137	Geology - 1.16		Checklists/Surveys Following Earthquake	upon event	/	NA			/	NA			/	NA			/	NA			/	NA			/	NA		
138	Geology - 1.18		Alluvium- Removal/Replacement	ongoing																								
139	Geology - 1.19		Landfill Design/Construction	ongoing																								
140	Geology - 1.20		Landfill Design/Construction- Foundations	ongoing																								
141	Surface Water - 2.03		Surface Drainage Control Facilities	ongoing	✓	C	NONE		✓	C	NONE						✓	C	NONE						✓	FRN	I-y	
142	Surface Water - 2.05		Underdrain Requirements	ongoing																								
143	Surface Water - 2.06		Final Cover for Surface Water Runoff Control	ongoing																								
144	Groundwater - 3.02		Liner System Requirements	ongoing																								
145	Groundwater - 3.04		Onsite Inspector for Liner Installation	ongoing													✓	C	NONE									
146	Groundwater - 3.09		Alluvium Removal	ongoing																								
147	Visual – 10.01		Landfill Elevations	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
148	Visual – 10.02		Final Fill Elevations	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
149																												

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150	Hydrologist																											
151																												
152																												
153	Grading & Drainage - 38	38	Installation of Drainage Structures	ongoing																								
154																												
155	Geology - 1.17		Landfill Design/Construction-Seismic	ongoing	/	NA			/	NA			/	NA			/	NA			/	NA			/	NA		
156	Surface Water - 2.01		Surface Water Runoff Interception	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
157	Surface Water - 2.02		Surface Water Runoff Collection	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE						✓	C	I-y	
158	Surface Water - 2.03		Surface Drainage Control-Maintenance	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE						✓	FRN	I-y	
159	Surface Water - 2-04		Sedimentation Basin Capabilities	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
160	Surface Water - 2.05		Underdrain Placement	ongoing																								
161	Surface Water - 2.07		Drainage Control System Design Approval	ongoing																					✓	FRN	I-y	
162	Surface Water - 2.08		Surface Water Runoff-Drainage System	ongoing																					✓	C	I-y	
163	Surface Water - 2.10		Surface Water Collection System-Monitoring	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
164	Surface Water - 2.11		Surface Water Quality-Collection/Monitoring	ongoing																								
165	Surface Water - 2.12		Permanent/Temporary Drainage Facilities	ongoing																								
166	Surface Water - 2.13		Permanent/Temporary Drainage Facilities	ongoing																								

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167	Surface Water - 2.14		Erosion Control Plan	ongoing	✓	C	I-t		✓	C	I-u		✓	C	I-v		✓	C	I-w		✓	C	I-x		✓	C	I-y	
168	Groundwater - 3.03		Interception of Groundwater Seepage	ongoing																								
169	Groundwater - 3.06		Monitoring Wells	ongoing																								
170																												
171	Biologist																											
172																												
173																												
174	Revegetation - 44	44	Revegetation/Cover Requirements	ongoing																								
175	Revegetation - 44.A	44.A	Temporary Hydroseed Vegetation	ongoing	✓	FRN	I-t		✓	FRN	I-u		✓	FRN	I-v		✓	FRN	I-w		✓	FRN	I-x		✓	FRN	I-y	
176	Revegetation - 44.B	44.B	Interim Reclamation/Revegetation	ongoing	/				/				/				/				/				/			
177	Revegetation - 44.D	44.D	Final Fill Slope Requirements	ongoing	/				/				/				/				/				/			
178	Revegetation - 44.E	44.E		ongoing																								
179																												
180	Geology - 1.13		Drainage Plan Approval	ongoing																								
181	Geology - 1.14		Personnel Retention for Monitoring Soil Erosion	ongoing																								
182	Groundwater - 3.11		Irrigation/Revegetation Management-Personnel	ongoing																								
183	BIOTA – 4.10		Oak Tree Permit	ongoing					✓	FRN	I-u						✓	FRN	I-w		✓	FRN	I-x					
184	BIOTA – 4.11		Oak Tree Mitigation Plan	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	

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185	BIOTA – 4.13		Oak Tree Mitigation Counting	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
186	BIOTA – 4.20		Poultry Wire Screen	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
187	BIOTA – 4.24		Drip Irrigation	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
188	BIOTA – 4.27		Coastal Sage Scrub Mitigation Plan	ongoing					✓	FRN	I-u						✓	FRN	I-w		✓	FRN	I-x					
189	BIOTA – 4.28		Coastal Sage Scrub Seeding	ongoing																								
190	BIOTA – 4.29		San Diego Horned Lizard Mitigation	ongoing																								
191	BIOTA – 4.30		California Gnatcatcher Surveys	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
192	BIOTA – 4.31		Least Bell's Vireo Surveys	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
193	BIOTA – 4.32		Western Burrowing Owl Surveys	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
194	BIOTA – 4.33		Migratory Bird Treaty Act	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
195	BIOTA – 4.34		Raptor Nests Habitat	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
196	BIOTA – 4.36		Personnel Retention for Monitoring Revegetation Plan	ongoing																								
197	BIOTA – 4.37		Personnel Retention for Monitoring Revegetation Plan,	status																								
198	BIOTA – 4.38		Green Waste Material	ongoing																								
199	BIOTA – 4.39		Revegetation of Slopes/Fill Areas	ongoing																								
200	BIOTA – 4.41		Revegetation Plan- Replacement Cover	ongoing																								
201	BIOTA – 4.42		Interim Vegetation	ongoing	✓	FRN	I-t		✓	FRN	I-u		✓	FRN	I-v		✓	FRN	I-w		✓	FRN	I-x		✓	FRN	I-y	

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202	BIOTA – 4.43		Replacement Riparian Habitat	status	/				/				/				/											
203	Air Quality - 6.02		Dust Control	ongoing	✓	FRN	I-t		✓	FRN	I-u		✓	FRN	I-v		✓	FRN	I-w		✓	FRN	I-x		✓	FRN	I-y	
204	Visual – 10.06		Upper Ridge Planting/Revegetation	ongoing	/	C	NONE		/	C	NONE		/	C	NONE		/	C	NONE		/	C	NONE		/	C	NONE	
205	Visual – 10.07		Tree Planting Around Perimeter	ongoing	/	C	NONE		/	C	NONE		/	C	NONE		/	C	NONE		/	C	NONE		/	C	NONE	
206	Visual – 10.08		Cover/Revegetation Requirements	ongoing	✓	FRN	I-t		✓	FRN	I-t		✓	FRN	I-v		✓	FRN	I-w		✓	FRN	I-x		✓	FRN	I-y	
207	Visual – 10.08		Solid Waste Disposal Procedures	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
208	Visual – 10.08		Final Cut Slope Steepness	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
209	Visual – 10.08		Final Fill Slopes- Reclamation/Revegetation	status	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
210	Visual – 10.08		Revegetation Requirements	status	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
211	Visual – 10.09		Final Cover Composition Requirements	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
212	Visual – 10.10		Buffer Zone Maintenance	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
213	Water Conservation - 11.02		Plant Species	ongoing																								
214	Fire Service - 12.01		Brush Clearance Measures	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
215																												
216	Air Quality & Noise Specialist																											
217																												
218																												

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Sunshine Canyon Landfill Mitigation Monitoring Summary - County (10-01-2012 through 12-31-2012)

Line #	Reference #	Mitigation #	County Mitigation Measures and Conditions Monitored by Discipline	Monitoring Frequency	10/9/2012	Status*	Further Review Needed/Comments**	Resolved*	10/29/2012	Status*	Further Review Needed/Comments**	Resolved*	11/15/2012	Status*	Further Review Needed/Comments**	Resolved*	11/28/2012	Status*	Further Review Needed/Comments**	Resolved*	12/7/2012	Status*	Further Review Needed/Comments**	Resolved*	12/19/2012	Status*	Further Review Needed/Comments**	Resolved*
219	Fugitive Dust - 45.F	45.F	Fugitive Dust Monitoring	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
220	Fugitive Dust - 45.I	45.I	Paved Roads-Cleaning	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
221	Fugitive Dust - 45.N	45.N	Report Submission-Dust/Odor	every quarter	/				/				/				/				/				/			
222	Air Quality Monitoring - 81	81	Air Quality Monitoring-Tests	ongoing	/				/				/				/				/				/			
223																												
224																												
225	Air Quality – 6.01		Fugitive Dust Aversion	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
226	Air Quality – 6.01		Working Face Requirements	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
227	Air Quality – 6.01		Erosion Control-Daily Cover	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
228	Air Quality – 6.01		Soil Stockpile Requirements	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
229	Air Quality – 6.01		Active Area Fill	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
230	Air Quality – 6.01		Soil Sealant	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
231	Air Quality – 6.01		Dust Emissions-Road Maintenance	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
232	Air Quality – 6.01		Access Roads-Paving	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
233	Air Quality – 6.01		Dust Generation-Dumping	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
234	Air Quality – 6.01		Water Tanks/Piping Maintenance	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	

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235	Air Quality – 6.01		Wind Speed Monitoring	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
236	Air Quality – 6.01		Report Submission-Dust/Odor	every quarter	/				/				/				/				/				/			
237	Odor/Landfill Gas – 7.03		Odor/Landfill Gas Monitoring Program	ongoing	/				/				/				/				/				/			
238	Odor/Landfill Gas – 7.03		Landfill Surface Sampling	ongoing	/				/				/				/				/				/			
239	Odor/Landfill Gas – 7.03		Landfill Perimeter Air Samples	ongoing	/				/				/				/				/				/			
240	Odor/Landfill Gas – 7.03		Landfill Surface Monitoring	ongoing	/				/				/				/				/				/			
241	Odor/Landfill Gas – 7.03		LFG Collection System Monitoring	ongoing	/				/				/				/				/				/			
242	Noise – 9.01		Landfill Access/Operation	info	/				/				/				/				/				/			
243	Noise – 9.03		Landfill Equipment- Mufflers/Silencers	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE									
244	Admin Rpts/ Pgms-17.16		Air Quality Monitoring- Corrective Action Plan	ongoing	/				/				/				/				/				/			
245																												
246																												
247	Hydrology, Hazardous Waste / Risk of Upset																											
248																												
249																												
250	IMP - Part IV.E	IMP 4	Load Inspection-Random Manual	ongoing																								
251																												

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252	Groundwater - 3.05		Leachate Collection and Removal System	ongoing																								
253	Groundwater - 3.15		Underground Diesel Fuel Storage Tanks	ongoing	/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE		/	NA	NONE	
254	Fire Service - 12.02		On-site Fire Response Capabilities-Operating	ongoing																								
255	Fire Service - 12.03		On-site Fire Response Capabilities-Roads/Water	ongoing																					✓	FRN	I-y	
256	Fire Service - 12.04		On-site Fuel Storage Tanks-Permit Issuance	ongoing																								
257	Fire Service - 12.05		Building Limits	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
258	Fire Service - 12.06		Methane Gas Monitoring-On-site Structures	ongoing	✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE		✓	C	NONE	
259	Hazardous Materials – 13.02		Waste Load Checking Program	ongoing					✓	C	NONE																	
260	Hazardous Materials – 13.05		Hazardous Waste Disposal	ongoing					✓	C	NONE																	
261	Hazardous Materials – 13.10		Hazardous Waste-Procedures	ongoing					✓	C	NONE																	
262	Hazardous Materials – 13.11		Spill Response Program	ongoing					✓	C	NONE																	
263	Safety - 16.02		Injury and Illness Prevention Program	status					✓	C	NONE																	
264	Safety - 16.03		Working Conditions-Monitoring	status					✓	C	NONE																	
265	Safety - 16.04		Inspection Checklist-Work Area Exposure	status					✓	C	NONE																	
266	Safety - 16.07		Accident/Injury Reports	status					✓	C	NONE																	
267	Safety - 16.08		First-aid Kits	ongoing					✓	C	NONE																	

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268	Safety - 16.10		Lockout/Blackout Procedures	status					✓	C	NONE																	
269	Safety - 16.11		Personal Protective Equipment	status					✓	C	NONE																	
270	Landfill Operation - 18.8		Prohibited Waste Procedures	ongoing					✓	C	NONE																	
271																												
272	Archaeologist																											
273																												
274																												
275	Ecological Significance - 62	62	Archaeological/Paleontologica l Identification/Conservation	ongoing	/	NA	I-t		/	NA	I-u		/	NA	I-v		/	NA	I-w		/	NA	I-x		/	NA	I-y	
276	IMP - Part VII.B	IMP 7	Archaeological/Paleontological	ongoing	/	NA	I-t		/	NA	I-u		/	NA	I-v		/	NA	I-w		/	NA	I-x		/	NA	I-y	
277	Archaeological – 5.01		Archaeological Resurvey	ongoing	/	NA	I-t		/	NA	I-u		/	NA	I-v		/	NA	I-w		/	NA	I-x		/	NA	I-y	
278	Archaeological – 5.02		Onsite Archaeologist	ongoing	/	NA	I-t		/	NA	I-u		/	NA	I-v		/	NA	I-w		/	NA	I-x		/	NA	I-y	
279	Archaeological – 5.03		Onsite Paleontologist	ongoing	/	NA	I-t		/	NA	I-u		/	NA	I-v		/	NA	I-w		/	NA	I-x		/	NA	I-y	
280	Archaeological – 5.04		Archaeological/Paleontologica l Identification Instruction	ongoing	/	NA	I-t		/	NA	I-u		/	NA	I-v		/	NA	I-w		/	NA	I-x		/	NA	I-y	
281	Archaeological – 5.05		Archaeological Resource Cura	ongoing	/	NA	I-t		/	NA	I-u		/	NA	I-v		/	NA	I-w		/	NA	I-x		/	NA	I-y	
282																												
283	Paleontologist																											
284																												
285																												

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286	Ecological Significance - 62	62	Archaeological/Paleontologica I-Material	ongoing	/	NA	I-t		/	NA	I-u		/	NA	I-v		/	NA	I-w		/	NA	I-x		/	NA	I-y	
287	IMP - Part VII.B	IMP 7	Archaeological/Paleontologica I-Report Submission	ongoing	/	NA	I-t		/	NA	I-u		/	NA	I-v		/	NA	I-w		/	NA	I-x		/	NA	I-y	

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Appendix 1

Relevant Site Photos



Photo 1: Basin A (October 9, 2012)



Photo 2: Basin A (October 9, 2012)



Photo 3: Basin A (October 9, 2012)



Photo 4: Basin A (October 9, 2012)



Photo 5: Basin A (November 15, 2012)



Photo 6: Basin A (November 15, 2012)



Photo 7: Basin A (November 15, 2012)



Photo 8: Basin A (November 28, 2012)



Photo 9: Basin A (December 7, 2012)



Photo 10: Basin A (December 7, 2012)



Photo 11: Basin A (December 19, 2012)



Photo 12: Basin A (December 19, 2012)



Photo 13: County Coastal Sage Test Area (December 7, 2012)



Photo 14: County Coastal Sage Test Area (December 7, 2012)



Photo 15: County Coastal Sage Test Area (December 7, 2012)



Photo 16: Westside Drainage Channel (October 9, 2012)



Photo 17: Westside Drainage Channel (October 9, 2012)



Photo 18: Westside Drainage Channel (October 9, 2012)



Photo 19: Westside Drainage Channel (October 29, 2012)



Photo 20: Westside Drainage Channel (October 29, 2012)



Photo 21: Westside Drainage Channel (October 29, 2012)



Photo 22: Westside Drainage Channel (November 15, 2012)



Photo 23: Westside Drainage Channel (November 28, 2012)



Photo 24: Westside Drainage Channel (November 28, 2012)



Photo 25: Westside Drainage Channel (December 19, 2012)



Photo 26: Westside Drainage Channel (December 19, 2012)



Photo 27: Basin D (October 9, 2012)



Photo 28: Basin D (October 9, 2012)



Photo 29: Basin D (November 15, 2012)



Photo 30: Basin D (November 15, 2012)



Photo 31: Material Storage Area (October 29, 2012)



Photo 32: Material Storage Area (October 29, 2012)



Photo 33: Material Storage Area (October 29, 2012)



Photo 34: Ponding in Material Storage Area (November 28, 2012)



Photo 35: Hazardous Waste Storage Area (November 28, 2012)



Photo 36: Material Storage Area (November 28, 2012)



Photo 37: Material Storage Area (November 28, 2012)



Photo 38: Material Storage Area (November 28, 2012)



Photo 39: Ponding in Material Storage Area (December 7, 2012)



Photo 40: County Top Deck (October 29, 2012)



Photo 41: County Top Deck (October 29, 2012)



Photo 42: County Top Deck (October 29, 2012)



Photo 43: County Top Deck (October 29, 2012)



Photo 44: County Top Deck (October 29, 2012)



Photo 45: View Across County Top Deck (November 28, 2012)



Photo 46: View Across County Top Deck (November 28, 2012)



Photo 47: County Top Deck (November 28, 2012)



Photo 48: County Top Deck (November 28, 2012)



Photo 49: County Top Deck (December 7, 2012)



Photo 50: County Top Deck (December 7, 2012)



Photo 51: County Top Deck (December 7, 2012)



Photo 52: County Top Deck (December 7, 2012)



Photo 53: County Top Deck (December 7, 2012)



Photo 54: County Top Deck (December 7, 2012)



Photo 55: County South Deck (December 7, 2012)



Photo 56: County South Deck (December 7, 2012)



Photo 57: County South Deck (December 7, 2012)



Photo 58: County South Deck (December 7, 2012)



Photo 59: County South Deck (December 7, 2012)



Photo 60: County South Deck (December 7, 2012)



Photo 61: County Top Deck (December 19, 2012)



Photo 62: County Top Deck (December 19, 2012)



Photo 63: County Top Deck (December 19, 2012)



Photo 64: County Top Deck (December 19, 2012)



Photo 65: County Top Deck (December 19, 2012)



Photo 66: County Westside Mid-Level Deck (December 19, 2012)



Photo 67: County Westside Mid-Level Deck (December 19, 2012)



Photo 68: County Westside Mid-Level Deck (December 19, 2012)



Photo 69: County Westside Mid-Level Deck (December 19, 2012)



Photo 70: County Westside Mid-Level Deck (December 19, 2012)



Photo 71: Abandoned Gas Collection Pipeline (October 9, 2012)



Photo 72: Abandoned Gas Collection Pipeline (October 29, 2012)



Photo 73: Abandoned Gas Collection Pipeline (November 15, 2012)



Photo 74: Abandoned Gas Collection Pipeline (November 28, 2012)



Photo 75: Basin D North Drainage (October 9, 2012)



Photo 76: Basin D North Drainage (October 9, 2012)



Photo 77: Basin D North Drainage (October 9, 2012)



Photo 78: Basin D North Drainage (October 29, 2012)



Photo 79: Basin D North Drainage (October 29, 2012)



Photo 80: Basin D North Drainage (October 29, 2012)



Photo 81: Basin D North Drainage (November 15, 2012)



Photo 82: Basin D North Drainage (November 15, 2012)



Photo 83: Basin D North Drainage (November 15, 2012)



Photo 84: Basin D North Drainage (November 28, 2012)



Photo 85: Basin D North Drainage (November 28, 2012)



Photo 86: Basin D North Drainage (November 28, 2012)



Photo 87: Basin D North Drainage (November 28, 2012)



Photo 88: Basin D North Drainage (December 7, 2012)



Photo 89: Basin D North Drainage (December 7, 2012)



Photo 90: Basin D North Drainage (December 19, 2012)



Photo 91: Basin D North Drainage (December 19, 2012)



Photo 92: Basin D North Drainage (December 19, 2012)



Photo 93: Basin D North Drainage (December 19, 2012)



Photo 94: Basin D North Drainage (December 19, 2012)



Photo 95: Basin D North Drainage (December 19, 2012)



Photo 96: Abandoned Gas Collection Pipeline (December 19, 2012)



Photo 97: Abandoned Gas Collection Pipeline (December 19, 2012)



Photo 98: Flare 9 (October 9, 2012)



Photo 99: Flare 9 (October 9, 2012)



Photo 100: Flare 9 (October 9, 2012)



Photo 101: Flare 9 (October 9, 2012)



Photo 102: Flare 9 Air Blower (December 7, 2012)



Photo 103: Northside Drainage Near Flare 9 (December 19, 2012)



Photo 104: Northside Drainage Near Flare 9 (December 19, 2012)



Photo 105: Gas to Energy Plant Site Drainage (October 9, 2012)



Photo 107: Gas to Energy Plant Site Drainage (October 9, 2012)



Photo 106: Gas to Energy Plant Site Drainage (October 9, 2012)



Photo 108: Edison Switchgear Site (December 7, 2012)



Photo 109: Gas to Energy Site (December 7, 2012)



Photo 110: Gas to Energy Site (December 7, 2012)



Photo 111: Eastside Drainage to Basin B (October 29, 2012)



Photo 112: Eastside Drainage to Basin B (November 15, 2012)



Photo 113: Eastside Drainage to Basin B (December 7, 2012)



Photo 114: Basin B (October 9, 2012)



Photo 115: Basin B (October 9, 2012)



Photo 116: Basin B (October 29, 2012)



Photo 117: Basin B (November 15, 2012)



Photo 118: Basin B (November 28, 2012)



Photo 119: Basin B (November 28, 2012)



Photo 120: Basin B (December 7, 2012)



Photo 121: Basin B (December 7, 2012)



Photo 122: Basin B (December 19, 2012)



Photo 123: Basin B (December 19, 2012)



Photo 124: Basin B (December 19, 2012)



Photo 125: Basin B Eastside Drainage (October 9, 2012)



Photo 126: Basin B Eastside Drainage (October 9, 2012)



Photo 127: Basin B Eastside Drainage (October 9, 2012)



Photo 128: Eastside Perimeter Drainage (November 15, 2012)



Photo 129: Eastside Perimeter Drainage (November 15, 2012)



Photo 130: Eastside Perimeter Drainage (November 15, 2012)



Photo 131: Eastside Perimeter Drainage (November 28, 2012)



Photo 132: Eastside Drainage Berm Bumps Sediment (November 28, 2012)



Photo 133: Eastside Drainage (December 7, 2012)



Photo 134: Eastside Drainage (December 7, 2012)



Photo 135: Eastside Drainage (December 7, 2012)



Photo 136: Eastside Drainage (December 19, 2012)



Photo 137: Eastside Drainage (December 19, 2012)



Photo 138: Eastside Drainage (December 19, 2012)



Photo 139: Eastside Drainage (December 19, 2012)



Photo 140: Eastside Drainage (December 19, 2012)



Photo 141: Eastside Drainage (December 19, 2012)



Photo 142: Eastside Drainage (December 19, 2012)



Photo 143: Terminal Basin (October 9, 2012)



Photo 144: Terminal Basin (October 9, 2012)



Photo 145: Terminal Basin (October 9, 2012)



Photo 146: Terminal Basin (October 9, 2012)



Photo 147: Terminal Basin Outflow (October 9, 2012)



Photo 148: Terminal Basin (October 29, 2012)



Photo 149: Terminal Basin (November 15, 2012)



Photo 150: Terminal Basin (November 28, 2012)



Photo 151: Terminal Basin (December 7, 2012)



Photo 152: Terminal Basin (December 19, 2012)



Photo 153: Leachate Sump Control Panel (November 15, 2012)



Photo 154: North City Power Poles (November 15, 2012)



Photo 155: Leachate Sump Power Poles (November 15, 2012)



Photo 156: Leachate Sump Power Poles (November 15, 2012)



Photo 157: Flare 1 Condensate Drain (October 9, 2012)



Photo 158: Condensate Drain at Flare 1 Discharge Knockout (October 9, 2012)



Photo 159: Condensate Drain at Flare 1 Discharge Knockout (November 15, 2012)



Photo 160: Condensate Drain at Flare 1 Discharge Knockout (December 7, 2012)



Photo 161: Flare 8 (November 28, 2012)



Photo 162: Flare 8 – Blower C Discharge Flange (November 28, 2012)



Photo 163: Flare 8 – Blower C Discharge Flange (December 7, 2012)



Photo 164: Flare 8 – Blower C Discharge Flange (December 19, 2012)



Photo 165: Well Drilling - County (November 28, 2012)



Photo 166: Site (October 9, 2012)



Photo 167: Site (October 9, 2012)



Photo 168: Site (October 9, 2012)



Photo 169: Site (October 9, 2012)



Photo 170: Site (October 9, 2012)



Photo 171: Site (October 9, 2012)



Photo 172: Site (November 15, 2012)



Photo 173: Site (November 15, 2012)



Photo 174: City South (December 7, 2012)



Photo 175: City South (December 7, 2012)



Photo 176: City South (December 7, 2012)



Photo 177: Site (December 7, 2012)



Photo 178: Site – Ponding on Road City South (December 7, 2012)



Photo 179: Site (December 7, 2012)



Photo 180: Site (December 7, 2012)



Photo 181: Site (December 7, 2012)



Photo 182: Site (December 19, 2012)



Photo 183: Site (December 19, 2012)



Photo 184: Site (December 19, 2012)



Photo 185: Site (December 19, 2012)



Photo 186: Site (December 19, 2012)



Photo 187: Site - City South Working Face (October 29, 2012)



Photo 188: Site - City South Working Face (October 29, 2012)



Photo 189: Working Face (October 29, 2012)



Photo 190: Working Face (October 29, 2012)



Photo 191: Working Face (October 29, 2012)



Photo 192: Cell CC3A Working Area (October 29, 2012)



Photo 193: Cell CC3A Working Area Face (October 29, 2012)



Photo 194: Cell CC3A Working Area Face (October 29, 2012)



Photo 195: Cell CC3A Working Area Face (October 29, 2012)



Photo 196: Working Face (November 15, 2012)



Photo 197: Working Face (November 15, 2012)



Photo 198: Working Face (November 15, 2012)



Photo 199: Working Face (November 28, 2012)



Photo 200: Working Face (November 28, 2012)



Photo 201: Working Face (November 28, 2012)



Photo 202: Working Face (November 28, 2012)



Photo 203: Working Area (December 7, 2012)



Photo 204: Working Area (December 7, 2012)



Photo 205: Working Face (December 19, 2012)



Photo 206: Working Face (December 19, 2012)



Photo 207: Working Face (December 19, 2012)



Photo 208: Cell CC2A Slope Near GW-590 (October 29, 2012)



Photo 209: Cell CC2A Slope Near GW-590 (October 29, 2012)



Photo 210: CC2A GW-590 (October 29, 2012)



**Photo 211: Cell CC2A Hydroseeded Area Near GW-590
(November 28, 2012)**



**Photo 212: Cell CC2A Hydroseeded Area Near GW-590
(November 28, 2012)**



**Photo 213: Cell CC2A Hydroseeded Area Near GW-590
(November 28, 2012)**



**Photo 214: City North Hydroseed Area – Looking at GW-590
(November 28, 2012)**



Photo 215: Cell CC2A Near GW-590 (December 7, 2012)



Photo 216: Cell CC2A GW-590 (December 7, 2012)



Photo 217: Cell CC2A GW-590 (December 7, 2012)



Photo 218: Cell CC2A (November 15, 2012)



Photo 219: Cell CC2A Second Oxidation Area (November 15, 2012)



Photo 220: Cell CC2A Gas Well Liquid Removal Piping (November 15, 2012)



Photo 221: Cell CC2A Second Oxidation Area (November 28, 2012)



Photo 222: Cell CC2A Second Oxidation Area (November 28, 2012)



Photo 223: Cell CC2A Second Oxidation Area (December 19, 2012)



Photo 224: Cell CC2A Second Oxidation Area (December 19, 2012)



**Photo 225: City North New Seed Mix Hydroseeding
(November 15, 2012)**



**Photo 226: City North New Seed Mix Hydroseeding
(November 15, 2012)**



**Photo 227: City North New Seed Mix Hydroseeding
(November 15, 2012)**



**Photo 228: City North New Seed Mix Hydroseeding
(November 28, 2012)**



**Photo 229: City North New Seed Mix Hydroseeding
(December 7, 2012)**



**Photo 230: City North New Seed Mix Hydroseeding
(November 28, 2012)**



Photo 231: North City Hydroseeding (December 7, 2012)



**Photo 232: City North New Seed Mix Hydroseeding
(December 7, 2012)**



**Photo 233: City North New Seed Mix Hydroseeding
(December 7, 2012)**



**Photo 234: City North New Seed Mix Hydroseeding
(December 7, 2012)**



**Photo 235: City South Lower Deck Berm Oaks Trees
(December 19, 2012)**



**Photo 236: City South Lower Deck Berm Oaks Trees
(December 19, 2012)**



**Photo 237: City South Lower Deck Berm Oaks Trees
(December 19, 2012)**



Photo 238: Terminal Basin Exterior Side Wall (October 9, 2012)



Photo 239: Terminal Basin Exterior Wall (December 7, 2012)



Photo 240: Sierra Highway Near I-14 Overpass (October 29, 2012)



Photo 241: Sierra Highway Near I-14 Overpass (October 29, 2012)



Photo 242: Sierra Highway Near I-14 Overpass (November 15, 2012)



Photo 243: Sierra Highway Near I-14 Overpass (November 15, 2012)



Photo 244: Sierra Highway Near I-14 Overpass (November 15, 2012)



Photo 245: Sierra Highway Near I-14 Overpass (November 15, 2012)



Photo 246: Sierra Highway Near I-14 Overpass (November 28, 2012)



Photo 247: Sierra Highway Near I-14 Overpass (November 28, 2012)



Photo 248: Sierra Highway Near I-14 Overpass (November 28, 2012)



Photo 249: Treated Liquids Holding Tank (October 29, 2012)



Photo 250: Treated Liquids Holding Tank (October 29, 2012)



Photo 251: Treated Liquids Flow Meter (October 29, 2012)



Photo 252: Power Line to Liquids Handling Site (October 29, 2012)



Photo 253: Power Line to Liquids Handling Site (October 29, 2012)



Photo 254: Leachate Treatment Electrical Lines (November 28, 2012)



Photo 255: Leachate Treatment Electrical Lines (November 28, 2012)



Photo 256: Leachate Treatment Electrical Lines (December 19, 2012)



Photo 257: Leachate Treatment Electrical Lines (December 19, 2012)



Photo 258: Leachate Treatment Electrical Lines (December 19, 2012)



Photo 259: Oilfield Perimeter Gate Unlocked (October 29, 2012)

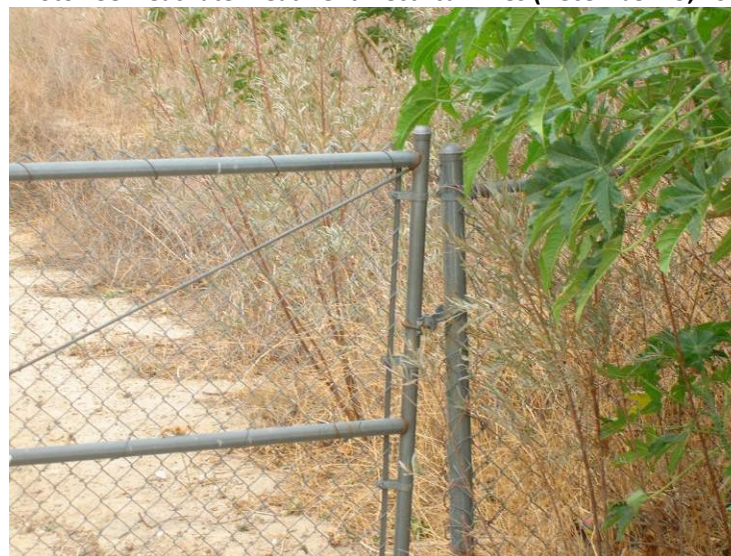


Photo 260: Oilfield Perimeter Gate Unlocked (November 15, 2012)



Photo 261: Oilfield Perimeter Gate Unlocked (December 19, 2012)



Photo 262: Big Cone Fir (December 7, 2012)



Photo 263: Big Cone Fir (December 7, 2012)



Photo 264: Big Cone Fir (December 7, 2012)



Photo 265: Big Cone Fir (December 7, 2012)



Photo 266: Big Cone Fir (December 7, 2012)



Photo 267: Big Cone Fir (December 7, 2012)

Appendix 2

Site Visit Attendees by Date of Site Visit

UltraSystems Staff; Field of Expertise:

James Aidukas; Project Manager, Permitting, and Operations/ Engineer

Tarik Hadj-Hamou; Civil/ Geotechnical Engineer

Ian Hutchison; Hydrologist/ Engineer

Mike Lindsay; Air Quality, Noise, Vehicle Emissions, Environmental Specialist/ Engineer

Susan Foster; Hazardous Waste–Risk of Upset/ Engineer

October 9, 2012: James Aidukas (UltraSystems), Mike Lindsay (UltraSystems), Tarik Hadj-Hamou (UltraSystems)

October 29, 2012: James Aidukas (UltraSystems), Susan Foster (UltraSystems)

November 15, 2012: James Aidukas (UltraSystems), Mike Lindsay (UltraSystems)

November 28, 2012: James Aidukas (UltraSystems), Mike Lindsay (UltraSystems), Tarik Hadj-Hamou (UltraSystems)

December 7, 2012: James Aidukas (UltraSystems), Elizabeth Kempton (UltraSystems)

December 19, 2012: James Aidukas (UltraSystems), Mike Lindsay (UltraSystems), Ian Hutchison (UltraSystems)



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CERTIFICATION STATEMENT

March 22, 2013

The attached Quarterly Site Monitoring Status Report for the Sunshine Canyon Landfill dated February 22, 2013, is the fourth Quarterly Report issued by UltraSystems. This report covers the monitoring period from October 1, 2012 through December 31, 2012 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