

**Sunshine Canyon Landfill
Independent Monitor
Quarterly Site Monitoring Status Report
April 1, 2012 – June 30, 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 Second Quarter Summary/ City
(see Excel Spreadsheets)

Sunshine Canyon Landfill Mitigation Monitoring – 2012 Second 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 Report

April 1, 2012 – April 30, 2012

Sunshine Canyon Landfill Independent Monitor Monthly Site Monitoring Status Report

May 1, 2012 – May 31, 2012

Sunshine Canyon Landfill Independent Monitor Monthly Site Monitoring Status Report

June 1, 2012 – June 30, 2012

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 are recorded showing the status of being compliant, and recommendations are stated as appropriate. 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 also summarized in the Summary of Requested Documents section of this report.

This Quarterly Report provides the City of Los Angeles Department of Planning and the County of Los Angeles Department of Regional Planning with a concise status of the Mitigation Measure Monitoring for the period of April 1, 2012 to June 30, 2012. It includes:

1. The latest Mitigation Monitoring Summary Excel Tables (June monthly tables.) These tables record the areas of monitoring completed and the status summary of monitoring for these areas for the entire quarter;
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; and
4. Monthly Reports for each month of the quarter as reference documents.

Definition of Terms

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

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

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

Further Review Needed-Comments is defined as comments documenting site conditions observed during monitoring visits that are not fully compliant but action is being taken in order to obtain full compliance with conditions and/or mitigation measures. Recommendations from the monitor, as appropriate, and status from Republic may also be given.

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

Site Visits During this Quarter

UltraSystems conducted four site monitoring visits during this quarterly reporting period. They were multiple-discipline monitoring, and they were conducted on April 12, 2012; April 25, 2012; May 15, 2012; and June 5, 2012. Appendix 2 provides the names of the monitors for each site visit.

Status Summary

This section summarizes the conditions and/or mitigation measures that were monitored during the quarterly reporting period and their respective statuses. For a more detailed site record, including more complete photos, refer to the individual monthly reports which are attached as reference documents.

Non-Compliant

There were no areas noted during this reporting period that were non-compliant with conditions of approval and/or mitigation measures.

Further Review Needed

The following conditions and/or mitigation measures were found not to be fully compliant, but were being worked on in order to obtain full compliance. This section summarizes the progress being made

toward being fully compliant. When a condition and/or mitigation measure progresses from FRN to fully compliant, it is noted as Resolved in this section, and noted as compliant in the next monthly report.

Q-C.3.g (City)

Paved Access Roads

All access roads to permanent facilities, excepting those used infrequently, shall be paved.

Air Quality- 6.01 (County)

(8) All access roads to permanent facilities, except those infrequently used, shall be paved. The paved access road to the fill areas shall be extended as new areas are opened to minimize the length of the dirt road. Winter deck access roads shall be paved or surfaced with recycled asphalt, aggregate materials or soil stabilization products to minimize the length of untreated dirt. Curbs and gutters shall be constructed. At least twice daily, watering or wet sweeping of paved roads to remove windblown surface dust shall occur. (AP- 42 assigns a control efficiency of 50 percent for twice weekly cleaning of industrial paved roads. With twice daily cleaning, a control efficiency in excess of 90 percent is predicted).

Air Quality- 6.03 (County)

(8) All access roads to permanent facilities, except those infrequently used, shall be paved. Access roadways will be paved up to the active fill area to minimize fugitive dust emissions. Main access roads will be paved, and paved roadways will extend up Sunshine Canyon to new active fill areas as development of the landfill progresses. The access haul roads extended to new fill areas shall be surfaced with recycled asphalt, aggregate materials, or soil stabilization products to minimize the length of untreated dirt. Paved roads will be cleaned on a regular basis.

Current Status/Comments - Resolved - The main access road has been realigned and paved. Paved roads are now being used to access the permanent facilities.

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.

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, which includes Coastal

sage scrub restoration, can feasibly occur onsite. The implementation of this plan will provide onsite mitigation greater than 1:1 to offset the loss of coastal sage scrub.

BIOTA – 4.27 (County)

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

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 - To date, very little hydroseed has germinated within the interim cover areas and the coastal sage mitigation areas has had minimal success. The performance of the revegetation plans and implementation is under evaluation by Republic's biologist. The results of their evaluation and any recommendations for corrective action should be available soon. The results of this study should be provided to the City and County Planning Departments.

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 - Areas with no established vegetation should be monitored for fugitive dust.

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 - A new schedule for the start of construction to create wetlands at the Chatsworth Reservoir site should be developed and provided to the City and County Planning Departments.

M - 4.2.12 / 25 - 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

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 in order to avoid peak commuting hours, and this program should be provided to the City and County Planning Department.

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 - A status report should be provided to the City and County Planning Departments.

T-4 (City)

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

- a. *immediate access fire plan [now]*
- b. *plot plan for the future facilities will be submitted when these are implemented*

Current Status/Comments - **Resolved** - During the December 5, 2011 monitoring visit it was noted by the project manager that an updated fire plan (including a hydrant plan) was being developed by Republic and that it was going to be submitted to the City and County. During the March 29, 2012 site visit UltraSystems was informed that the fire plan had been completed. On the April 25, 2012 site visit UltraSystems was informed that the Los Angeles Fire Department and City and County Planning Departments were being provided the new plan.

M-4.3.1(43) (City)

Sediment shall be cleaned out of the sedimentation basins after every significant storm.

Surface Water – 2.10 (County)

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

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 has been partially cleaned and now completely drains. Basin B and the terminal basin still do not fully drain and contain standing water. The terminal basin had waste material around the vertical drain towers; this waste material (paper, rubber sport balls and plastic materials) needs to be removed. The broken concrete embankment was repaired with asphalt around the manhole. The oversight of the cleanout of sediment and debris is done by the SCL-LEA, and the cleanout is scheduled for August.

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 - **Resolved** - During the April 25, 2012 site visit an access gate along San Fernando Road was observed to be unlocked and the water meter vault was missing its cover. The access gate in the 100-acre buffer zone at the south entrance to the oil field was also observed to be unlocked. During the May 15 2012 site visit the Fernando Road access gate was repaired and locked; the water meter vault cover was in place; and the access gate in the 100-acre buffer was repaired and locked.

M-4.14.1 (147) (City)

The project proponent shall maintain and expand existing onsite fire response capabilities by using heavy operating equipment and readily available fire-extinguishing equipment. A 200-foot long, 1½-inch-diameter fire hose shall be available on water trucks for firefighting at the landfill working face area. If necessary, earth moving equipment shall be used to control fires by smothering fires with dirt.

Current Status/Comments - During the April 25, 2012 site visit it was observed that fire hoses were on some, but not all water trucks. There are four 4,000-gallon water trucks and one 8,000-gallon water trucks.

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 Douglas Fir trees planted in the fall of 2010 are surviving. Republic is currently working with the County Forester who either is going to pick a different species or possibly exchange the Fir requirements for oaks because of the lack of availability of replacement Fir trees. An update should be provided to the County Planning Department.

Visual 10.11 (County)

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 - Litter was observed along the roadway on Sierra Highway between San Fernando Road and the Highway 14 overpass. Some illegal dumping was also observed.

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 all of the conditions and/or mitigation measures monitoring tasks have been monitored by UltraSystems personnel. 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. The June Mitigation Monitoring Summary Excel spreadsheets track the progress and completion of tasks as they were accomplished.

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

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

Appendix 1

Relevant Site Photos



Photo 1: Basin A (June 5, 2012)



Photo 2: Basin B (April 25, 2012)



Photo 3: Basin B (June 5, 2012)



Photo 4: Basin B (June 5, 2012)



Photo 5: Basin D (April 25, 2012)



Photo 6: Basin D (April 25, 2012)



Photo 7: Basin D (June 5, 2012)



Photo 8: Basin D (June 5, 2012)



Photo 9: Basin D (June 5, 2012)



Photo 10: Basin D (June 5, 2012)



Photo 11: Cell CC3A (April 12, 2012)



Photo 12: Cell CC3A (April 12, 2012)



Photo 13: Cell CC3A (April 12, 2012)



Photo 14: Cell CC3A (April 12, 2012)



Photo 15: Cell CC3A (April 12, 2012)



Photo 16: Cell CC3A (April 25, 2012)



Photo 17: Cell CC3A (May 15, 2012)



Photo 18: Cell CC3A (May 15, 2012)



Photo 19: Cell CC3A (May 15, 2012)



Photo 20: Cell CC3A (June 5, 2012)



Photo 21: Cell CC3A (June 5, 2012)



Photo 22: Cell CC3A (June 5, 2012)



Photo 23: Flare 9 Foundation (May 15, 2012)



Photo 24: Gas to Energy Pad (April 12, 2012)



Photo 25: Gas to Energy Drainage (May 15, 2012)



Photo 26: Gas to Energy Pad (May 15, 2012)



Photo 27: Gas to Energy Pad (May 15, 2012)



Photo 28: Recycle Storage (June 5, 2012)



Photo 29: San Fernando Road (Uncovered Vault) (April 25, 2012)



Photo 30: San Fernando Road (Unsecured Gate) (April 25, 2012)



Photo 31: San Fernando Road (Locked Gate) (May 5, 2012)



Photo 32: San Fernando Road Meter Vault (May 15, 2012)



Photo 33: Oil Field Locked Access Gate (May 15, 2012)



Photo 34: Seed Mix Test (June 5, 2012)



Photo 35: Seed Mix Test (June 5, 2012)



Photo 36: San Fernando Road Tunnel (June 5, 2012)



Photo 37: Sierra Highway (May 15, 2012)



Photo 38: Sierra Highway (May 15, 2012)



Photo 39: Sierra Highway (May 15, 2012)



Photo 40: Sierra Highway (June 5, 2012)



Photo 41: Sierra Highway (June 5, 2012)



Photo 42: Site (April 12, 2012)



Photo 43: Site (April 12, 2012)



Photo 44: Site (April 12, 2012)



Photo 45: Site (April 12, 2012)



Photo 46: Site (June 5, 2012)



Photo 47: Site (June 5, 2012)



Photo 48: Site (June 5, 2012)



Photo 49: Site (June 5, 2012)



Photo 50: Site (June 5, 2012)



Photo 51: Site (June 5, 2012)



Photo 52: Site (June 5, 2012)



Photo 53: Site (June 5, 2012)



Photo 54: Site (June 5, 2012)



Photo 55: Site (June 5, 2012)



Photo 56: Site (June 5, 2012)



Photo 57: Site (June 5, 2012)



Photo 58: Site (June 5, 2012)



Photo 59: Terminal Basin Ponding (April 12, 2012)



Photo 60: Terminal Basin Underdrain (April 12, 2012)



Photo 61: Terminal Basin (June 5, 2012)



Photo 62: Terminal Basin (June 5, 2012)



Photo 63: Terminal Basin Inlet (June 5, 2012)



Photo 64: Terminal Basin Outlet (June 5, 2012)



Photo 65: Terminal Basin (Cracks in slab on top of embankment) (April 12, 2012)



Photo 66: Terminal Basin Manhole Repair (June 5, 2012)



Photo 67: Wind Station (June 5, 2012)



Photo 68: Working Face Active Fill Area (April 12, 2012)



Photo 69: Working Face (May 15, 2012)



Photo 70: Working Face (May 15, 2012)



Photo 71: Working Face (May 15, 2012)



Photo 72: Working Face (May 15, 2012)



Photo 73: Working Face (May 15, 2012)



Photo 74: Working Face (May 15, 2012)



Photo 75: Working Face (June 5, 2012)



Photo 76: Working Face (June 5, 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

April 12, 2012: James Aidukas (UltraSystems), Mike Lindsay (UltraSystems), Tarik Hadj-Hamou (UltraSystems)

April 25, 2012: James Aidukas (UltraSystems), Ian Hutchison (UltraSystems), Susan Foster (UltraSystems)

May 15, 2012: James Aidukas (UltraSystems), Mike Lindsay (UltraSystems), Tarik Hadj-Hamou (UltraSystems)

June 5, 2012: James Aidukas (UltraSystems), Mike Lindsay (UltraSystems), Tarik Hadj-Hamou (UltraSystems)