August 18, 2016

TO: Members of the Facility & Plan Review Subcommittee
Los Angeles County Solid Waste Management Committee/
Integrated Waste Management Task Force

FROM: Gabriel Esparza, Staff

STAFF REPORT
STATUS REPORT OF THE SUNSHINE CANYON CITY/COUNTY LANDFILL

UltraSystems prepared the First Quarter 2016 Independent Monitor Quarterly Site Monitoring Status Report (Status Report) dated May 16, 2016, for the Sunshine Canyon Landfill – Technical Advisory Committee (SCL-TAC), which is co-chaired by the City of Los Angeles Planning Department and County of Los Angeles Department of Regional Planning. Part XII of the Implementation and Monitoring Program, which is an attachment to the Conditional Use Permit No. 00-194-(5), and [Q] Condition A.7 from the City Zoning Ordinance No. 172933 allow the SCL-TAC to retain the services of a single independent consultant to monitor any and/or all of the Conditions and mitigation measures of each respective permits.

The Status Report provides a concise status of the Mitigation Measures Monitoring for the months of January, February and March of 2016.

DRAINAGE (Pages 13-15)
- During the first quarter of 2016, UltraSystems observed that temporary drainage control systems were installed downstream of Cell CC-3B with their discharge to the Terminal Basin. While these systems had major erosion during the El Niño rain events, they were repaired and modified by Republic in between rainstorms.
- In February, the west drainage channel connecting Basins A and D, which was reported several times to have been uplifting and cracking, was repaired. The side wall that allowed water to enter the bottom perimeter of the drainage channel was also repaired.
- Basins A, B and D performed well during this quarter.

ODOR/AIR QUALITY (Pages 11-12)
- UltraSystems did not detect any landfill odors in the Granada Hills neighborhood in the morning time during the reporting period.
- Localized odors were detected inside the Landfill. An instance was reported, during a monitoring visit in late March, area along haul road for Cell CC-3A, localized gas odor was detected coming from the slopes, and another area a localized liquid odor. Odors were not detected beyond 50 ft. It appeared to UltraSystems that an air system and air pumps removing landfill liquids was temporarily not operating during detection. Odors were no longer detected a few hours later.
- It was reported, any odors detected inside the Landfill were not detected offsite.
- In mid-February and early March, UltraSystems detected localized greenwaste odors on Blucher Avenue where the greenwaste and C&D recycling facilities are located. However, these greenwaste odors were not detected on I-405 freeway.
- Misters on the litter fencing and dust bosses at the working face were being utilized.

REVEGETATION/OAK TREE MITIGATION/SAGE MITIGATION (Pages 9, 15-16)
- Areas germinated along the realigned access road and the old City South Landfill that had jute netting and that were hydroseeded, resulting from the first quarter rain events.
- Previously hydroseeded areas in 2014 had also greened due to the rain events.
- Vegetation on Deck C Sage Mitigation area were doing well, and PM-10 oak trees located in Deck C responded well to winter rains. Non-native removal has occurred only on Deck C.
- UltraSystems suggested that a detailed approach to have a successful sage mitigation area on the County-side should be investigated.
- About 50% of the Big Cone Fir trees in the mitigation area had water wells, and irrigation piping was repaired and maintained. Some dead fir trees were also observed.

EROSION & DUST CONTROL/VISUAL (Pages 4, 9, 14-15)
- Rain events that occurred in the first quarter of 2016 had caused soil erosion at the Landfill more evidently in the cell construction area for Cell CC-3B. The soil washed away from Cell CC-3B ended in the terminal basin.
- The main slope erosion control measure used at the Landfill was straw wattles, which performed well in most areas except during extremely heavy rains. The use of K-rails to create stilling areas for controlling sediments at the Terminal Basin was still being implemented.

- The County Sage Mitigation Area had deep rutted erosion in the native hillside which deposited soil in the west drainage channel. UltraSystems suggests that erosion control be considered if sage mitigation is not implemented before the next rainy season.
- Alternatives to hydroseeding, such as jute and plastic netting, were used for slope stability and dust control.
- In late March, the slope above the frontage retaining wall southeast of the entrance had lost more soil and the oak trees at the top of the slope had more exposed roots and appear to be less stable. Republic indicated to UltraSystems that their arborist will examine this area and provide recommendations, if necessary.

GRADING (Pages 4, 7)
- Pads and access roads for the construction of the SCE power pole relocation were being constructed on the County-side of the Landfill. Grading was in progress for the power pole relocation project during this reporting period.
- During the first quarter 2016, the only landfill development grading activities were grading for Cells CC-3B and CC-4.
- All excavation in undisturbed native soils was being monitored by a paleontologist.

LANDFILL GAS COLLECTION (Page 5, 6)
- For the first quarter of 2016, the gas-to-energy facility was operating at full capacity except for a two-day period where the air supply equipment was being repaired.
- Flare 1 was used during the first quarter, while Flares 9 and 10 operated on an as-needed basis.
- UltraSystems advised Republic to consider planning for a new gas-to-energy facility or expanding the existing facility, once the quantity and quality of the landfill gas being flared at the site can support a new or expanded facility.

CELL CONSTRUCTION/WORKING FACE (Pages 4, 12)
- Construction of Cell CC-3B was completed in early March. On March 22, 2016, the first lift of trash was in Cell CC-3B.
- ADC material was used in both Cell CC-3A and -3B as daily cover. No ADC operating problems during high winds or rainstorms and no trash exposure were observed.

GRAFFITI (Pages 4-5)
Graffiti was observed on the white block wall south of the Landfill entrance in January and March. The graffiti observed in January was removed in February. Republic indicated that the graffiti observed in March would be painted over by their operations personnel.

BIOLOGICAL/PALEONTOLOGICAL/ARCHAEOLOGICAL SURVEY (Pages 4 and 16)
The paleontological consultant monitored the excavation west and south of the offices in the City and County jurisdictions. A shark vertebra was recovered and sent to curators at the County Museum. Reports are available in Republic's offices.

FIRE SERVICE/FIRE PREVENTION (Page 6)
In early March, the secondary access road from City Deck C to the oil field was graded and surfaced to allow passenger vehicle use. A fire plot plan showing these new locations and roadways should be prepared for employee and customer use.

OIL WELLS/OIL FIELD GATE (Page 9)
- The two old well casings that were observed, in the area where grading for future Cell CC-4 is underway, did not show any gas or oil emissions when tested.
- The south perimeter oil field gate was observed to be locked.

RIPARIAN & WETLAND MITIGATION (Page 16)
No progress was made in finalizing an agreement between Republic and City of Los Angeles to use Chatsworth Reservoir as a wetlands mitigation site.

PHASE III – 10-YEAR REVIEW (Page 4)
The Phase III Review was completed and acted upon on October 22, 2015, with no further action required.

ELEVATION (Page 13)
Elevation levels were not monitored for this quarter. UltraSystems recommends that documents showing current filled elevations be available onsite for review.

CONCLUSION (Page 18)
UltraSystems indicated that "As shown by the Non-Compliant and Further Review Needed sections in their Report, the landfill is actively working toward being fully compliant with conditions and/or mitigation measures, with no non-compliant conditions observed, as Republic was in the engineering, planning, or implementation phases of each."