



Continued Progress Reducing Conditions for Future Odors

September 22, 2017



SYLMAR, Calif. (Sept. 22, 2017) – Earlier this spring we reported that along with progress we've made to collect and control landfill gas and control potential waste odors on site, our team is also focused on reducing conditions for future potential odors at the Landfill. Part of this effort included introduction of new engineering features called gabion cubes, large wire containers filled with permeable rock that serve as anchor points into which gas wells can be inserted. We completed installation of five gabion cubes this spring. As the waste cell is filled and landfill gas wells are drilled, the gabion cubes will further support proper gas collection.

Along with gabion cubes, we have conducted other landfill-gas related construction in the new waste cell to further reduce conditions for future potential odors. We recently completed installing nearly one mile of horizontal gas collection piping and 2,000 feet of header piping to support gas collection in the active waste cell. We also began collecting gas from three sloped horizontal gas collection wells, an innovative new approach to gas collection that augments traditional methods. Eight more sloped collectors will be connected to the gas collection system in the coming weeks. We are excited about these innovations, and we look forward to updating you as we continue implementing our plan at Sunshine Canyon.

In the table below you will find a status on each of the 2017 action plans currently underway.

Action	Target Completion	Current Progress
Collect and Control Landfill Gas		
Add or replace more than 150 gas wells to ensure proper gas well operation	July 30	Deadline Met: 153 gas wells have been added or replaced
Install more than 250 pumps in gas wells to remove trapped leachate that can impact performance	August 31	Deadline Met: 253 pumps have been installed in gas wells
Install 21 acres of closure turf, an impermeable synthetic liner overlain by artificial turf	August 31	Deadline Met: 21 acres of closure turf installed
Apply 37 acres of a thick, flexible spray-on cover that serves as temporary cover in new waste fill areas	August 31	Deadline Met: 38.5 acres of spray-on cover have been applied
Establish vegetative cover over 57 acres to prevent erosion and soil thinning, and to act as a natural bio-filter	December 31	On Schedule: Test plots completed; surface preparation for vegetation underway
Control Waste Odors on Site		
Increase organics diversion	Ongoing	Transfer station program ongoing
Apply environmentally safe neutralizer directly onto waste at the working face	July 1	Deadline Met: Neutralizer equipment installed and operational
Implement transfer station neutralizer application program	October 1	Deadline Met: All area transfer stations have implemented program

Reduce Conditions for Future Potential Odors		
Install gabion cubes in new waste cells	October 31	On Schedule: 5 installed; design completed for 4 additional gabion cubes

If you have questions, be sure to contact us at sunshinecanyon@republicservices.com or visit us online at <http://sunshinecanyonlandfill.com/> to learn more.