



Reducing Conditions for Future Potential Odors

April 21, 2017



SYLMAR, CA (April 21, 2017) – Over the past two weeks, we have shared with you the details of Sunshine Canyon's plan to collect and control landfill gas and control waste odors on site. With a focus on enhancing our landfill gas system and implementing actions to control odors so that they do not migrate offsite, Sunshine Canyon Landfill is continuing our commitment to responsible landfill operations.

Along with these actions, we also are working to reduce conditions for future potential odors. Effectiveness of these strategies will rely heavily on a highly efficient gas system in new areas (cells) where we are beginning to place waste. As described in a previous update, over the past five years we were required to follow unconventional landfill management practices. These practices resulted in liquid present in the landfill – called leachate – getting trapped between layers of waste and soil, and preventing proper leachate drainage and collection. As a result, scores of our gas wells became “watered in,” meaning leachate flooded the gas wells, impaired gas flow and prevented their proper operation. In response, we are installing more than 250 pumps in gas wells to remove leachate and improve gas well operation.

In addition to these steps, we have also introduced a new engineering feature that will further support proper gas collection in new cells. We have begun constructing large gabion cubes – wire containers filled with permeable rock – and embedding them into a new landfill cell floor. As the cell is filled with waste and landfill gas wells are drilled, the gabion cubes will serve as anchor points in which gas well pipes can be inserted. Because the gabion cubes are permeable, any leachate that might enter the gas wells would drain through the gabion cube into the leachate collection area at the bottom of the Landfill, rather than getting trapped in the gas well or surrounding soil. This leachate drainage will help avoid flooding the gas wells and allow for more effective

collection and control of landfill gas. To date, we have installed five gabion cubes in the newest cell, and we intend to add them to future cells. In fact, design is currently in process for gabion cube construction to be completed in another new cell this October.

As a good neighbor and responsible landfill operator, Sunshine Canyon Landfill is committed to enhancing our landfill gas collection system, controlling potential waste odors on site and reducing conditions for future potential odors. By introducing an innovative feature in newly constructed cells, we are investing in a solution that will enhance landfill gas and leachate collection, and control potential odors moving forward.

In next week's update we will provide the latest on progress against our 2017 action plan. If you have questions, be sure to contact us at sunshinecanyon@republicservices.com or visit us online at <http://sunshinecanyonlandfill.com/> to learn more.