



Sunshine Canyon Landfill Best Practices

Despite best efforts to reduce, reuse and recycle, certain items cannot be repurposed. It is critical those materials be disposed of in an environmentally responsible manner.

Sunshine Canyon Landfill serves the disposal needs of roughly 13 million residents and businesses throughout Los Angeles County, providing an environmentally responsible, safe and secure disposal option for materials that are not otherwise recycled.

In the past six years, Sunshine Canyon has spent more than \$27 million on site enhancements to control odor and be a good neighbor. The site employs integrated systems, technologies and processes that help ensure environmental protection.

Methane Gas Collection

The collection of methane gas at the landfill has been improved with the addition of more than 576 new vertical landfill gas extraction lines and an additional 16 miles of horizontal landfill gas collection pipes. The existing system was expanded with 26,800 feet of new and larger header pipes to convey the collected landfill gas to flares that safely destroy it.

With the installation of two new additional flares, the facility can destroy an additional 10,000 cubic feet of landfill gas per minute. A new renewable energy facility was commissioned in 2015 with the capacity to destroy 10,000 cubic feet of landfill gas per minute, while producing 16 megawatts of electricity—powering the equivalent of 12,000 homes each day.

Dust and Odor Control System

A network of industrial odor control equipment spray odor neutralizer into the air around the working face during daily disposal operations. In addition, misting lines located on the ridge near the Mission Tierra neighborhood spray an atomized mist that interacts with any odor molecules in the air, breaking them down so they are odorless. Misting lines spraying odor neutralizer are also located along the entrance road to the landfill to control odor from trucks that are waiting to deliver waste to the site.

Sunshine Canyon also planted 1,000 oak trees along the ridge near the Mission Tierra neighborhood, that once they mature, will assist in breaking up air currents and absorbing any potential odor.

Operational Best Practice

The Landfill follows an Odor Management Plan approved by the South Coast Air Quality Management District to immediately bury any loads found to be especially odorous.

The Sunshine Canyon Landfill is under the jurisdiction of several agencies that have regulatory authority over odor emissions. They include:

- Sunshine Canyon Landfill Local Enforcement Agency (LEA) certified by the State Waste Board (now Cal Recycle)
- South Coast Air Quality Management District (SCAQMD)
- California Department of Resources Recycling and Recovery (Cal Recycle)