



South Coast Air Quality Management District

Town Hall Meeting

Sunshine Canyon Landfill

June 9, 2016

6:30 p.m.

**Van Gogh Elementary School
17160 Van Gogh Street
Granada Hills, CA 91344**



Town Hall Meeting Agenda

Welcome and Opening Remarks	Wayne Nastri, Acting Executive Officer
Next Steps by SCAQMD to Address Community Concerns Regarding Sunshine Canyon Landfill	Mohsen Nazemi, Deputy Executive Officer Nicholas Sanchez, Sr. Dep. District Counsel
Other Agency Comments	Agency Representatives
Public Comments	Members of the Public
Closing Remarks/Adjournment	Wayne Nastri, Acting Executive Officer



Next Steps by SCAQMD to Address Community Concerns Regarding Sunshine Canyon Landfill

Mohsen Nazemi, P.E.
Deputy Executive Officer
Engineering & Compliance

Nicholas Sanchez
Senior Deputy District Counsel
General Counsel



Key Discussion Points from April 21 Town Hall Meeting

- SCAQMD has been involved in ongoing compliance activities at Sunshine Canyon Landfill (SCL) for many years
- Numerous landfill gas (LFG) collection and control system improvements have been made at SCL since 2011
- The Alternative Daily Cover Pilot Project, designed to reduce odors and improve LFG collection at SCL, was implemented last year to determine the effectiveness of using plastic material (EnviroCover) rather than soil to cover daily waste
- Field testing and computer modeling were performed by HydroGeoChem to evaluate the effectiveness of LFG collection system and soil cover at SCL; Dr. Yazdani performed an independent review of their findings and provided supplemental recommendations



Key Discussion Points from April 21 Town Hall Meeting

- Reported emissions levels for SCL have been below screening levels requiring detailed Health Risk Assessment
- Measured air toxics levels at SCL are generally no worse than typically seen in SCAQMD region
- Cancer risk estimates for the area near SCL are below Basin average
- Strong, unpleasant odors can evoke a physiological response (e.g., headache, nausea)



Key Discussion Points from April 21 Town Hall Meeting

- Potential emissions sources
 - Odors
 - Trash trucks
 - Trash at working portion of landfill
 - Landfill gas released from the surface of the landfill
 - Combustion emissions
 - Combusted landfill gas in flares at SCL
 - Combusted landfill gas in turbines at SGP
 - Tailpipe emissions from trucks and off-road vehicles
 - Dust emissions from the landfill surface and from vehicles as they travel at the landfill





Next steps identified during April 21 Town Hall Meeting

SCAQMD will...

1. Continue to audit emissions reports and refine emissions reporting guidance for landfills
2. Continue to provide and update information about Sunshine Canyon Landfill on the SCAQMD website
3. Continue complaint response and enforcement presence
4. Work with the City of LA on upcoming toxics monitoring study
5. Conduct interagency work group meetings to coordinate mitigation of odor related issues
6. Seek additional stricter operational measures to address both trash and landfill gas odors



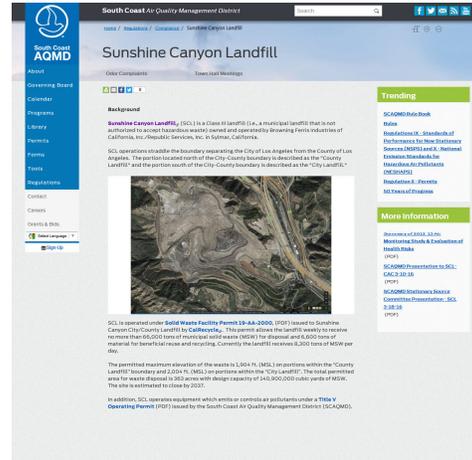
Step #1: SCAQMD is continuing to audit emissions reports and refine emissions reporting guidance for landfills

- Sunshine Canyon Landfill (SCL) and Sunshine Gas Producers (SGP) report emissions annually to SCAQMD
- Reported emissions are currently undergoing audit to address possible calculation errors and emissions variability over time
- Results to be published on SCAQMD website upon audit completion



Step #2: SCAQMD will continue to provide/update information about Sunshine Canyon Landfill on the SCAQMD website

- Information/updates to include:
 - Monthly complaint and NOV data
 - Notices of upcoming Town Hall Meetings and related events
 - Summary information from past Town Hall Meetings and related events
 - Reports and other documents of interest



Step #3: SCAQMD is continuing its complaint response and enforcement presence

- SCAQMD compliance staff are continuing to:
 - Respond to community complaints alleging Sunshine Canyon Landfill as the source of trash and/or landfill gas odors
 - Take enforcement action against Sunshine Canyon Landfill for creating a public nuisance upon verification of sufficient numbers of odor complaints against this source





Step #4: SCAQMD is working with the City of LA on its upcoming toxics monitoring study

- City of LA contracted with Sonoma Tech Inc to conduct ambient toxics monitoring of VOC and carbonyl species compounds
- Monitoring sites
 - SCL perimeter
 - Van Gogh Elementary School
- Monitoring anticipated to begin on or after June 17, 2016

Species		
1,1,1-Trichloroethane	Benzyl chloride	Tetrachloroethene
1,1,2,2-Tetrachloroethane	Carbon tetrachloride	Toluene
1,1-Dichloroethane	Chlorobenzene	Trichloroethene
1,1-Dichloroethene	Chloroform	Vinyl chloride
1,2-Dibromoethane	cis-1,2-Dichloroethene	1,2-Dichloropropane
1,2-Dichlorobenzene	Dichloromethane	Styrene
1,3-Butadiene	Ethylbenzene	Acetaldehyde
1,3-Dichlorobenzene	Hexane	Formaldehyde
1,4-Dichlorobenzene	m,p-Xylenes	Acetone
Benzene	o-Xylene	Methyl ethyl ketone



Step #5: SCAQMD will conduct interagency working group meetings to coordinate mitigation of odor related issues

- SCAQMD hosted two interagency working group meetings
 - May 3, 2016
 - May 31, 2016
- Participating agencies
 - Sunshine Canyon Landfill-Local Enforcement Agency (LEA)
 - Los Angeles City (Planning)
 - Los Angeles County (Public Works and Public Health)
- Participants discussed status of independent and joint agency actions to address odors
- Interagency working group will continue to meet to resolve SCL odor issues



Step #6: SCAQMD is seeking additional stricter operational measures to address both trash and landfill odors

- Findings from time of day analysis of odor complaints received against SCL by SCAQMD (January 1, 2013 – May 30, 2016):
 - Odors reported from 6:00 a.m. – 9:00 a.m.
 - 31% of total (1650 of 5390)
 - Most common odor type reported during this period: Trash
- SCAQMD will seek an Order for Abatement before the SCAQMD Hearing Board designed to reduce and/or mitigate odors from the landfill



SCAQMD Hearing Board

- Independent quasi-judicial panel authorized to hear abatement orders to achieve expeditious compliance with SCAQMD rules and regulations, including public nuisance
- Includes an engineer, an attorney, a medical doctor, and two public members
- After hearing all sides of a case in which individuals or companies are alleged to be in violation of SCAQMD rules and regulations, the Hearing Board weighs the evidence and reaches a decision
- The hearing provides due process, which is a legal requirement, and affords all parties, including the public, an opportunity to be heard



Order for Abatement

- Requires a company operating out of compliance to take corrective action on a specified schedule to achieve compliance
- Conditions being pursued include:
 - Changing the landfill's hours of operation during which trash is accepted
 - Reducing the daily trash tonnage limit at the landfill
 - Use of Alternative Daily Cover and implementation of improved intermediate cover
 - Dewatering of wells and analysis of well integrity and landfill gas collection efficiency
 - Improve odor management practices at the working face and transfer stations
- Public hearing to be held on a Saturday in the community within 45 days

