

Sunshine Canyon Landfill Local Enforcement Agency

SCL LEA Program Manager's Report

December 2021



**Sunshine Canyon Landfill
Inspection History
June 2021 through December 2021**

Inspection Date	Inspection Program	Areas of Concern / Violations	Regulation
6/4/2021	LEA	None	-
6/11/2021	LEA	None	-
6/18/2021	LEA	None	-
6/25/2021	LEA	None	
7/2/2021	LEA	None	
7/9/2021	LEA	None	
7/16/2021	LEA	None	
7/23/2021	LEA	None	
7/30/2021	LEA	None	
8/6/2021	LEA	None	
8/13/2021	LEA	None	
8/20/2021	LEA	None	
8/27/2021	LEA	None	
9/3/2021	LEA	None	
9/10/2021	LEA	None	
9/17/2021	LEA	None	
9/24/2021	LEA	None	
10/1/2021	LEA	None	
10/8/2021	LEA	None	
10/15/2021	LEA	None	
10/22/2021	LEA	None	
10/29/2021	LEA	None	
11/5/2021	LEA	None	
11/12/2021	LEA	None	
11/17/2021	CalRecycle	None	Report Pending
11/19/2021	LEA	None	
11/26/2021	LEA	None	
12/3/2021	LEA	None	

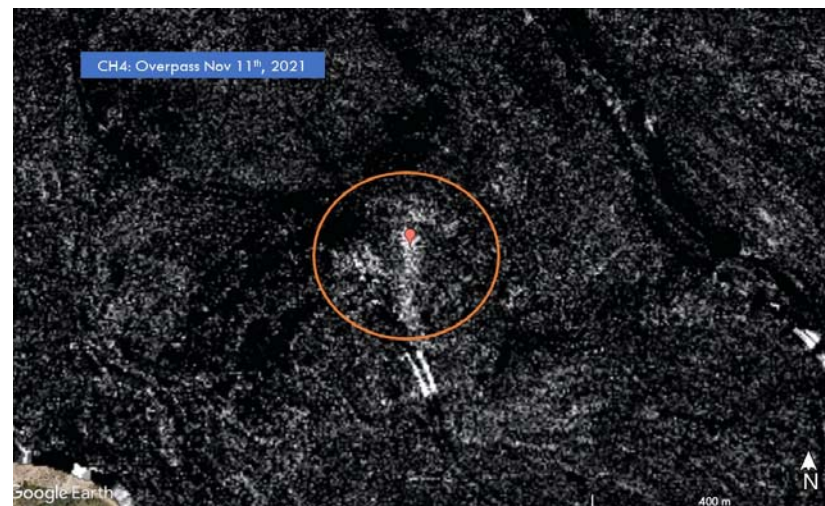
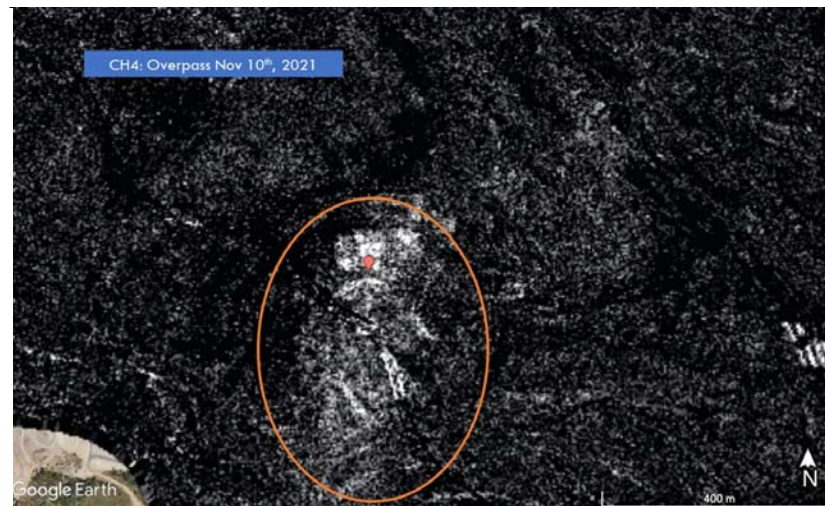
SCL in the News (October 4, 2021)

GOVERNING - The Future of States and Localities How Satellites and Planes Are Fighting Climate Change



<https://www.governing.com/now/how-satellites-and-planes-are-fighting-climate-change>

Continued Aerial Methane Monitoring



RMI / Carbon Mapper Collaborative

RMI is collaborating with Carbon Mapper and IG3IS to develop a roadmap for rapidly deploying a global operational monitoring and analytics framework as well as new incentives, practices, and policies for methane abatement.

- Expand NASA/JPL's California Methane Survey flyovers internationally now
- Deploy 18 satellites worldwide for monitoring methane in 2 - 3 years

Reference technical case study basis of best management practices is Sunshine Canyon Landfill operations and SCL LEA's technical approach

- Request SCL LEA assistance to develop an initial framing, layout a proposed plan and roadmap for an institutional technical platform that will enable operators and regulatory agencies to address their methane challenges in real time, track emission reductions
- Interview with Chris Coyle and Republic (corporate office)
- Interview with Robert Wallace (SCL LEA Board Member / AECOM)

Sunshine Canyon Landfill Interview by RMI / Carbon Mapper

- Conduct airborne campaigns and leverage existing satellite methane observation technologies to assess the extent of super-emitter activity in the US and select facilities globally
- Interview key stakeholders to examine current landfill management practices, challenges, and opportunities for methane mitigation
- Chris Coyle interviewed by RMI/Carbon Mapper team
 - Discussed LFG mitigation measures at SCL
 - Uniqueness of Republic / SCL LEA cooperative approach
 - Emphasized dedication of operational staff and corporate commitment to achieving success of reducing methane emissions
 - Emphasized complexity and uniqueness of individual landfills
- January 2022 scheduled site visit by RMI / Carbon Mapper team

National Science Foundation (NSF) Solid Waste Management and Organics Processing Infrastructure Study

- The Autonomy Research Center for STEAHM (ARCS) at CSUN is conducting convergence research into the potential for autonomy (e.g., digital) technologies to improve the efficiency /productivity, health/safety of the solid waste industry
 - National Science Foundation Grant
- Multi-disciplinary team approach
 - Convergence research approach to identify socio-technological innovations that will address the challenges with processing, legal frameworks (e.g. regulatory enforcement), adaptation of best practices, and climate change analyses in the context of solid waste/organics processing.
- SCL LEA selected as model Local Enforcement Agency
 - Request for participation as case study
 - Assist in identification of opportunities and potential testing of autonomy technologies
 - Student mentoring/briefing on LEA role in enforcement
 - Case study of Sunshine Canyon Landfill data mining/analysis (impact on climate change)

November 2021 Site Visit

UCLA: Sustainability Class (Aerial Methane Monitoring Research)

CSUN: National Science Foundation Research Team (Solid Waste Infrastructure)



Brown Act – Teleconference Meetings

Within 30 days of the initial teleconference, make the following findings by majority vote:

- The agency has reconsidered the circumstances of the state of emergency, and
- It either continues to directly impact the ability of members to meet safely in person, or state or local officials continue to impose or recommend measures to promote social distancing

Make the same findings by majority vote every 30 days thereafter.



Sunshine Canyon Landfill Local Enforcement Agency

Questions?

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