

Composting Materials Handling Operation and Facility Inspection Report (93)

Enforcement Agency:			Local Inspection ID:		
County of Napa					
SWIS Facility File Number (99-xx-9999)			Inspection Date		
28-AA-0002			8/6/2018		
LEA Periodic		CalRecycle Closed Sites		CalRecycle Focused	
X LEA Focused		CalRecycle Enforcement Agent		CalRecycle Periodic	
Inspection Time	2.5	Time In	8:00pm	Time Out	10:30pm
Facility Name			Received By		
Clover Flat Resource Recovery Park			Clover Flat Landfill, Inc.		
Facility Location			Owner Name		
4380 Silverado Trail Road, Calistoga 94515			Clover Flat Landfill, Inc.		
Inspector			Also Present (Name)		
Peter Ex			Bryce Howard, Bob Pestoni, Jason Martin (CalFire)		

THE ABOVE FACILITY WAS INSPECTED FOR COMPLIANCE WITH APPLICABLE SECTIONS OF DIVISION 30 OF PUBLIC RESOURCES CODE (PRC) AND TITLE 14 AND TITLE 27 CALIFORNIA CODE OF REGULATIONS (CCR)

	No Violations or Areas of Concern
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V	A	Permits - Facilities	Comments
		PRC 44002 - Operator Authorized by SWF Permit	
		PRC 44004 - Significant Change	
		PRC 44005 - Transfer of Owner or Operator	
x		PRC 44014(b) - Operator Complies with Terms & Conditions	SWFP Section 15 - Documents describing, restricting operation (JTD). JTD Section 5.2 - Including Site Manager. Site Manager position has been vacant for a few months. This position must be filled to fully manage the landfill and composting activities.
		17210.3 - Request for Emergency Waiver	
		17211.3 - Request for Temporary Stip. Agreement	
		17211.4 - Issuing Stipulated Agreement	
		17854 - Compostable Materials Handling Facility Permit	
		17863 - Report of Composting Site Information	
		18104 - Registration Permit (Chipping and Grinding/Vegetative Food Material Composting)	
		21640 - Permit Review Application	
V	A	Filing Requirements - Operations	Comments
		18103.1 - Enforcement Agency Notification Filed	
V	A	Agricultural Material Composting Operations	Comments
		17856(a) - Agricultural Material Composting Operation EA Notification Requirements	
		17856(b) - Agricultural Material Composting Operation Odor Impact Requirements	

		17856(d)(1) - Excess Material on Ag. Land Pose Risk to Public Health & Safety and Environment	
		17856(d)(2) - Exceedance of 12,500 CY of Green Material, On-Site	
V	A	Green Material Composting Operations and Facilities	Comments
		17857.1(a)(2) - Seasonal Variations	
		17857.1(b) - Non-Compliance with Physical Contam. Limits/Processing Requirements/Max. Volume	
		17857.1(c) - Exceedance of 12,500 Cubic Yards	
V	A	Research Compost Operations	Comments
		17862(a) - Max. 5,000 CY on Site	
		17862(b) - In Vessel - LEA/EApp. for > 5000 CY	
		17862(c) - Description and Completion Time Frame	
		17862(d) - Research Time Frame (2 years)	
		17862(e) - Research of Mammalian Tissue	
V	A	Chipping And Grinding Ops and Facilities	Comments
		17862.1(a) - Chip / Grind 200 TPD - EA Notification	
		17862.1(b) - Chip / Grind 200-500 TPD Reg. Permit	
		17862.1(c) - Chip / Grind > 500 TPD Full Permit	
		17862.1(f) - Chip / Grind Contamination Limits	
		17862.1(g) - Chip / Grind Storage Limit Time Exceeded	
V	A	Siting And Design	Comments
		17865(a) - Closed Landfills (Postclosure Land Use)	
		17865(b) - Intermediate Cover (Foundation Stabilization)	
		17866 - General Design Requirements	
V	A	General Operating Standards	Comments
		17863.4 - Odor Impact Minimization Plan	
		17863.4.1 - Odor BMP Feasibility Report	
		17867(a)(1) - Prohibited Wastes	
		17867(a)(2) - Odor Control	

x	17867(a)(3) - Vectors/Litter/Hazard/Nuisance/Noise/Dust	<p>CCR 17867 (a)(3) states: "All handling activities shall be conducted in a manner that minimizes vectors, litter, hazards, nuisances, and noise impacts; and minimizes human contact with, inhalation, ingestion, and transportation of dust, particulates, and pathogenic organisms."</p> <p>Chip and grind activities near green waste storage piles and use of processed green waste materials as intermediate and alternative daily cover on the active landfill face and covered landfill slopes during summer hot weather months.</p> <p>All activities and operations shall be conducted in a manner that minimizes fire and safety hazards.</p>
	17867(a)(4) - Random Load Checks	
	17867(a)(5) - Compost Contamination	
	17867(a)(6) - Unauthorized Access	
	17867(a)(7) - Traffic Control	
	17867(a)(8) - Signs	
x	17867(a)(9) - Fire Prevention, Protection and Control	<p>CCR 17867 (a)(9) states: "The operator shall provide fire prevention, protection and control measures, including, but not limited to, temperature monitoring of windrows and piles, adequate water supply for fire suppression, and the isolation of potential ignition sources from combustible materials. Firelanes shall be provided to allow fire control equipment access to all operation areas."</p> <p>During the 8/6/18 landfill fire that erupted at approximately 5pm, there was inadequate resources available for local fire responders to fight the fire including, inadequate water onsite, inaccessible onsite water supply due to non-useable water supply pipes and adaptors. The fire was largely fought using CalFire trucks, rented water trucks providing water from an offsite location, and excavation equipment and operators from Ghilotti Construction Co.</p> <p>Additionally, piles of unprocessed and processed green material was stored in close proximity to one another and the active landfill face. Processed green waste was being used as alternative daily cover and intermediate cover on the active landfill face and side slopes.</p> <p>This is one of many recent fires on this site in the past 3-4 months. While significant progress has been made to segregate compost piles and other flammable materials on the upper pad of the landfill area, little to no progress has been made to provide for an adequate water supply and fire prevention infrastructure.</p>
	17867(a)(10) - Telephone or Radio Communication	
	17867(a)(11) - Physical Contamination Refuse Removed	
	17867(a)(12) - Enclosed Activities Ventilation	
	17867(a)(13) - Leachate Control	
	17867(a)(14) - Physical Contamination Prevented or Removed	
	17867(a)(15) - Site Attendant	

		17867.5 - Personnel Training	
V	A	Sampling Requirements (Operations that sell or give away > 1000 cubic yards and all Facilities)	Comments
		17868.1(a) - Sampling Requirements	
		17868.1(c) - Alternative Methods Approved	
V	A	Maximum Metal Concentrations	Comments
		17868.2(a) - Metal Concentration Exceeded	
		17868.2(b) - Alternative Methods Approved	
V	A	Pathogen Reduction	Comments
		17868.3(a) - Pathogen Levels Exceeded	
		17868.3(c) - Windrow/Aerated Static Pile Temperature Monitoring	
		17868.3(d) - Alternative Methods Approved	
V	A	Physical Contamination Limits	Comments
		17868.3.1(a) - Physical Contamination Limits	
V	A	Green/Vegetative Food Material Processing	Comments
		17868.5(a) - Load Checking / Sorting	
		17868.5(b) - Physical Contaminants	
		17868.5(c) - Personnel Training	
		17868.5(d) - Records	
V	A	Record Keeping	Comments
		17869(a) - Inspection of Records	
		17869(b) - Special Occurrences	
		17869(c) - Public Complaints	
		17869(d) - Feedstock and Compost	
		17869(e) - Load Checking	
		17869(f) - Article 7 Test Results	
		17869(f)(1) - Pathogen Reduction Methods	
		17869(g) - Record of Serious Injuries	
		17869(h) - Training Records	
V	A	Site Restoration	Comments
		17870(a) - Notice 30 Days Prior to Restoration	
		17870(b) - Protection Public Health, Safety, Environment	
		17870(c) - Restoration Procedures Performed	

Comments:

A large green waste/landfill fire started at approximately 5pm on Monday 8/6/18 and burned approximately 2-3 acres including the active face of the landfill, processed and unprocessed green waste piles, and surrounding side slopes. Although the exact cause of the fire is unknown at time of inspection report, the operations being conducted in the area likely contributed to the eruption and spread of the fire.

Lack of sufficient onsite water supply and water supply infrastructure also contributed to the challenging fire response from facility staff and CalFire.

See Violations above for additional information.

Significant resources were required to contain the fire including many CalFire fire trucks, Ghilotti Construction Co. dozers, Clover Flat Landfill staff and operators, and rented water truck haulers providing water from an offsite location.