

Chiquita Canyon Landfill (Facility ID: 119219)
Case No. 6177-4 Stipulated Order for Abatement (effective Sept. 6, 2023, ending Sept. 6, 2024)
Action Items for South Coast Air Quality Management District

Condition No.	Key Action	Start Date/ Deadline Date	Completion Status/Date Submitted
COMPLETED			
1(a)	Contract with a trained third party to conduct odor surveillance	10/6/2023	Completed
1(f)	Designate an employee able to receive notifications related to odor surveillance results	9/7/2023	Completed
12, 12(a)	Form the DMS Committee	10/6/2023	Completed
12	Provide DMS Committee member information to South Coast AQMD	10/6/2023	Completed
13	Connect 18 vertical dual extraction wells to the LFG system	9/15/2023	Completed
16	Submit permit modification application for LFG system	10/6/2023	Completed
19	Submit permit modification application for LFG condensate and leachate collection/storage system	10/6/2023	Completed
25	Submit completed design for the geosynthetic cover	9/12/2023	Completed
32	Install, maintain, and operate 1,000 feet or more of Semi-Permanent Vapor Odor Control in the Reaction Area	9/20/2023	Completed
12(d)	Submit report on initial flux chamber study	10/31/2023	Completed
21	Submit permit application for Flare 4	10/31/2023	Completed
25	Notify SCAQMD on progress of procuring and installing cover	10/31/2023	Completed
31	Obtain and install onsite MET station in the Reaction Area	10/31/2023	Completed
69	Detailed information on potential DMS treatment system	10/31/2023	Completed
17	Identify LFG wells with worst liquid impaction issues in the Reaction Area	11/3/2023	Completed
12(b)(iv)	Submit report on landfill best management practices	11/6/2023	Completed
20	Install and operate Flare 3; notify South Coast AQMD	11/24/2023	Completed
12(b)(iii)	Submit report on feasibility of continuous community emission monitoring system	12/1/2023	Completed

Condition No.	Key Action	Start Date/ Deadline Date	Completion Status/Date Submitted
26, 26(a)	Submit report on air dispersion modeling	12/1/2023	Completed
18	Submit proposed Reaction Area dewatering guidelines	12/5/2023	Completed
12(b)(ii)	Submit report on investigation on landfill reaction cause and solutions to slow the reaction	12/8/2023	Completed

Ongoing Actions

1	Conduct odor surveillance	9/7/2023; ongoing	Ongoing
1(e)	Maintain odor surveillance log	9/7/2023; ongoing	Ongoing
1(f)	Review and modify odor mitigation measures based on odor surveillance results, as appropriate	9/7/2023; ongoing	Ongoing
2	Log odor surveillance notifications and actions taken in response	As needed	Ongoing
3	Expedite replacement of granular activated carbon media in LFG treatment system	9/7/2023; ongoing	Ongoing; see Condition 8 monthly reports
3	Ensure adequate stock of all odor control products and supplies are maintained on site	9/7/2023; ongoing	Ongoing
4	Prioritize Flare 2 over Flare 1	9/7/2023; ongoing	Ongoing
5	Sample LFG sulfur compounds combusted using colorimetric tests for H ₂ S	9/7/2023; ongoing	Ongoing
5	Sample LFG sulfur compounds for total sulfur compounds as H ₂ S using South Coast AQMD Method 307-91	9/7/2023; ongoing	Ongoing
5(a)	Record South Coast AQMD Method 307-91 analysis	9/7/2023; ongoing	Ongoing
5(b)	Report sulfur compound readings and analysis to South Coast AQMD	9/7/2023; ongoing	Ongoing; see Condition 8 monthly reports
6	Maintain adequate stock of appropriately ranged colorimetric tubes	9/7/2023; ongoing	Ongoing
7	Maintain record of LFG information	9/7/2023; ongoing	Ongoing; see Condition 8 monthly reports
8	Submit monthly written report to South Coast AQMD	9/30/2023; monthly	Ongoing; submitted on 9/30/23, 10/16/23, 11/20/23, 12/18/23
9	Conduct integrated landfill surface sampling	9/20/2023; ongoing	Ongoing
9(b)	Review and revise Reaction Area	10/6/2023	Ongoing
9(a)	Submit revised Reaction Area map and related documentation to South Coast AQMD	10/6/2023; monthly	Ongoing; submitted on 10/6/23, 11/6/23, 12/6/23

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10	Conduct instantaneous landfill surface monitoring	9/13/2023; ongoing	Ongoing
11	Continue operating flares and landfill gas treatment system	9/7/2023; ongoing	Ongoing
11	Include deviation reporting on emissions limits exceedances in semi-annual Title V reports	9/7/2023; ongoing	Ongoing
12(c)	Post all expert reports on Odor Mitigation webpage	Upon submission of expert reports	Ongoing
13	Expand gas well system	9/7/2023; ongoing	Ongoing
14	Address wells with temps above 170 degrees Fahrenheit	9/7/2023; ongoing	Ongoing
14	Monitor each LFG system well at least monthly	9/7/2023; ongoing	Ongoing
14	Continue to operate all gas wells (as needed)	9/7/2023; ongoing	Ongoing
15	Add vertical dual extraction wells (as needed)	9/7/2023; ongoing	Ongoing
15	Expand well-field (as needed)	10/31/2023; ongoing	Ongoing; see Condition 8 monthly reports
17, 17(a)	Expediently dewater wells	11/5/2023; ongoing	Ongoing; see Condition 8 monthly reports
22	Continue using portable thermal oxidizer until DMS Committee concludes it is no longer needed; notify South Coast AQMD	9/7/2023; ongoing	Ongoing
23	Continue using Flare 1 and 2 until Flare 4 is permitted and operational.	9/7/2023; ongoing	Ongoing
24	Visually inspect landfill cover around the Reaction Area; repair landfill cover Issues as needed; maintain log of cover repairs	9/7/2023; ongoing	Ongoing; see Condition 8 monthly reports
25	Notify South Coast AQMD on progress of procuring and installing cover	10/31/23; ongoing	Ongoing; see Condition 8 monthly reports
27	Expand and enhance current ambient air monitoring program pursuant to DPH's direction.	9/7/2023; ongoing	Ongoing
27	Submit ambient air monitoring reports for DPH to South Coast AQMD	As needed	Ongoing
28	Maintain Odor Mitigation webpage; update weekly	9/7/2023; ongoing	Ongoing
28	Translate Odor Mitigation webpage and reports into Spanish	10/6/2023; ongoing	Ongoing

Condition No.	Key Action	Start Date/ Deadline Date	Completion Status/Date Submitted
29	Host community information meetings.	9/14/2023; monthly based on receipt of NOV's	Ongoing
30	Maintain fresh trash odor mitigation measures during Unfavorable Wind Conditions	9/7/2023; ongoing	Ongoing
31	Maintain onsite MET station in the Reaction Area	10/31/2023; ongoing	Ongoing
33, 34	Operate and maintain a landfill perimeter odor control misting system	9/7/2023; ongoing	Ongoing
4	Once in use, prioritize Flare 2 and 3 over Flare 1	Upon operation of Flare No. 3; ongoing	Ongoing
25	Install geosynthetic cover over western portions of Module 2B/3/4 Phase 2, Module 2B/3, and Module 4	TBD	In progress; see Condition 8 monthly reports

Future Actions

12(b)(iii)	If continuous monitoring is determined to be feasible by the December 1, 2023 investigation and report, submit workplan for installation of continuous monitoring	12/31/2023	
12(d)	Submit proposal for second flux chamber study	12/31/2023	
12(b)(v)	Submit report on health risks of DMS	1/15/2024	
26(b)	Submit proposal for additional air modeling study	1/15/2024	
12(b)(i)	Submit report on study of treatment of DMS and preventative mechanisms for DMS formation	4/30/2024	
12(d)	Conduct second flux chamber study	TBD	
12(d)	Submit report on second flux chamber study	TBD	
18	Implement proposed Reaction Area dewatering guidelines and implementation procedures	TBD	
26(b)(ii)	Complete additional air modeling study (if recommended) and submit final written report	TBD	