



CHIQUITA CANYON
A Waste Connections Company

June 28, 2024

Via E-Mail

Mr. David Nguyen
Los Angeles County Public Works
900 S. Fremont Avenue
Alhambra, CA 91803
dnguyen@pw.lacounty.gov

Re: Chiquita Canyon Landfill – CUP Condition No. 69 Report

Dear Mr. Nguyen:

Condition 69 of Chiquita Canyon, LLC's ("Chiquita") Conditional Use Permit ("CUP") requires that, upon receiving four Notices of Violation ("NOVs") related to air quality in a given calendar year, Chiquita must submit a report to Los Angeles County Public Works ("PW") within 30 days after the fourth NOV, explaining the NOV and the steps taken to address it. Chiquita must also provide such a report within 30 days of receiving any additional air quality related NOV within the same calendar year.

In 2024, the South Coast Air Quality Management District ("South Coast AQMD") issued Chiquita NOVs for violations of South Coast AQMD Rule 402 and California Health & Safety Code § 41700, triggering Chiquita's obligation to provide a report under CUP Condition 69. Chiquita submitted reports on January 26, February 23, March 27, 2024, April 26, 2024, and May 24, 2024. Since the submission of the May 24 report, South Coast AQMD issued Chiquita twenty additional Rule 402 NOVs for violations alleged to have occurred in May and June 2024. These NOVs are provided in Attachment A.¹

On June 4, 2024, Chiquita received a Finding of Violation ("FOV") from the U.S. Environmental Protection Agency ("EPA") under Section 113(a) of the Clean Air Act ("CAA"), 42 U.S.C. § 7413(a). This FOV is provided in Attachment B.

¹ The NOV numbers and dates of the alleged violations are as follows: NOV P75329 (May 28, 2024); NOV P79616 (May 29, 2024); NOV P73573 (May 30, 2024); NOV P78329 (May 31, 2024); NOV P74042 (June 3, 2024); NOV P74870 (June 4, 2024); NOV P80221 (June 5, 2024); NOV P77677 (June 6, 2024); NOV P80022 (June 7, 2024); NOV P80940 (June 11, 2024); NOV P80625 (June 12, 2024); NOV P80023 (June 13, 2024); NOV P75465 (June 14, 2024); NOV P75331 (June 17, 2024); NOV P73179 (June 18, 2024); NOV P79617 (June 20, 2024); NOV P74044 (June 24, 2024); NOV P75467 (June 25, 2024); NOV P80024 (June 26, 2024); and NOV P79664 (June 27, 2024).

On June 11, 2024, Chiquita received a Site Inspection Report from the Local Enforcement Agency (“LEA”) related to an April 30, 2024 inspection. The Site Inspection Report notes violations of 27 CCR 20921 (Gas Monitoring and Control) and 27 CCR 20750 (Site Maintenance). This Site Inspection Report is provided in Attachment C.

Since the submission of the May 24 report, Chiquita also received one additional NOV that is not related to air quality, but that is included in this report in the interest of transparency. On June 28, 2024, Chiquita received an NOV from the Los Angeles Regional Water Quality Control Board (“Water Board”) for alleged non-compliance with a March 20, 2024 investigative order issued by the Water Board pursuant to California Water Code sections 13267 and 13383. This NOV is provided in Attachment D.

South Coast AQMD Rule 402 NOVs – Explanation and Corrective Action

A discussion of the South Coast AQMD Rule 402 NOVs, along with corrective actions taken by Chiquita in response to these NOVs, is provided below.

Explanation

Each of the Rule 402 NOVs issued by South Coast AQMD made identical allegations. Each NOV was issued after a South Coast AQMD inspector verified complaints about odors alleged to be coming from the Chiquita Canyon Landfill (“Landfill”). These NOVs were substantively the same as prior NOVs issued by South Coast AQMD that were addressed in Chiquita’s prior Condition 69 reports. The source of the odors is the same as described in those reports: an increase in the production of landfill gas and liquids caused by an abnormal reaction taking place within an older portion of the Landfill waste mass.

Corrective Action

Chiquita provided detailed descriptions of corrective actions taken to mitigate the reaction and any odors emanating from the Landfill in its prior Condition 69 reports. While Chiquita does not repeat information provided in the earlier reports in this report, it continues to take all actions listed in those reports. The corrective actions described in this section include only new measures taken since the last update.

South Coast AQMD Stipulated Order for Abatement: Under the South Coast AQMD Stipulated Order issued on September 6, 2023, and modified on January 17, March 21, and April 24, 2024,² Chiquita has implemented the following additional mitigation measures since the May 24 report:

² The April 24 modifications to the Stipulated Order are enclosed in Attachment F.

- Chiquita is continuing to expand the landfill gas well system as needed. As of June 28, 2024, Chiquita has installed 167 vertical extraction wells since December 2023 and is continuing to evaluate and install additional wells as needed.
- Chiquita is continuing to install the geosynthetic cover over portions of the Reaction Area to limit the migration of landfill gas from the site. As of June 26, 2024, approximately 35 acres of geosynthetic cover have been installed.
- Chiquita has installed and is operating 41 dewatering pumps in vertical landfill gas collection wells in the Reaction Area as of June 27, 2024.
- Chiquita has continued to submit permit applications to South Coast AQMD to incorporate some of the mitigation measures Chiquita is taking to address the reaction into its Title V permit.
- Chiquita has submitted expert reports on landfill gas system piping materials, a model to estimate the rate of liquid generation in the landfill and total quantity of liquid within the landfill, and the landfill's current and projected landfill gas generation. These reports are available on Chiquita's website.
- Chiquita has finalized contracts to install and operate a real-time, remote monitoring system to monitor well pressure and landfill gas temperature at different depths.
- Chiquita has begun installing pressure gauges on all leachate tanks.

Chiquita submits status updates on its compliance with the modified Stipulated Order in its Condition 8 monthly reports to South Coast AQMD. These reports are posted on Chiquita's website (<https://chiquitacanyon.com/reports/odor-mitigation/>). More detailed information on Chiquita's implementation of and compliance with the modified Stipulated Order is available on Chiquita's website.

LEA Compliance Order: On June 6, 2024, the LEA issued Chiquita a Compliance Order, formalizing the CalRecycle-recommended mitigation measures that had previously been imposed by the LEA as well as a few additional requirements. A copy of this Compliance Order (without its numerous attachments) is provided in Attachment E. A full copy of this Compliance Order with attachments is available on Chiquita's website. Since the May 24 report, Chiquita has implemented the following additional milestones from the LEA's Compliance Order:

- Chiquita has submitted a report on carbon monoxide and hydrogen readings for all gas collection wells in the reaction area and wells 200 feet outside the reaction area. This report is available on Chiquita's website.
- Chiquita has submitted a revised completion report for the installation of the temperature monitoring probes. This report is available on Chiquita's website.

More detailed information on Chiquita's implementation of the Compliance Order is available on Chiquita's website.

Enhanced community air monitoring program: As described in prior reports, at the direction of the Los Angeles County Department of Public Health ("DPH"), Chiquita has enhanced its current air monitoring program. Data and reports can be found on Chiquita's website.

Chiquita Canyon Landfill Air Quality Study: As described in prior reports, a third-party consultant has conducted a 28-day air quality study that provided additional data and information on air quality in the communities surrounding the Landfill. Data from this study can be found on Chiquita's Air Quality Study webpage (<https://chiquitalandfillairqualitydata.sensible-edp.com/>). The third-party consultant is in the process of evaluating this data and preparing a report on potential health impacts based on the data collected and analyzed. This report will be submitted to South Coast AQMD by August 1, 2024, as required by the Stipulated Order.

Chiquita Community Relief Program: As described in prior reports, Chiquita has voluntarily established a Community Relief Program to assist with offsetting costs associated with odor mitigation and has retained a third-party administrator to administer this program. Through the program, residents of Val Verde, Live Oak, Hasley Hills, Hillcrest Parkway, Hasley Canyon, and Stevenson Ranch are able to request funding that can be used to assist with the claimed expenses associated with odor mitigation, including temporary relocation, home hardening, and increased utility bills. This is not a reimbursement program. Instead, applicants that submit valid, geographically eligible applications receive a payment each month that they can use as needed, similar to a stipend. Payment amounts vary among applicants based on a variety of factors, including geographic location and Chiquita's assessment of the extent of odor impacts based on objective odor data.

Applications for funding for each month are due by the end of the month. Applicants must recertify their applications to be eligible for funding in subsequent months. The first checks were mailed in April for eligible March applicants. More recently, checks were mailed out on June 20 for eligible applicants that submitted new valid applications in the month of May, valid recertifications, and those that had corrected application materials from their previous applications.

Chiquita's third-party administrator has held six in-person Application Assistance events in the community to provide help with applying for a Unique Household ID, filling out the Application Form, filling out the monthly Recertification Form, or any other questions related to the Chiquita Community Relief Program. The third-party administrator will hold additional in-person Application Assistance events in July and August. Staff will be available to answer any questions and provide assistance in English and Spanish. More information on this program, including the application and recertification forms, and dates, times and locations of the Application Assistance events, are available on the program's website (<https://www.chiquitalandfillcommunityrelief.com/>). The forms and information are also available in Spanish.

EPA FOV – Explanation and Corrective Action

On June 4, 2024, EPA issued Chiquita an FOV under Section 113(a) of the CAA, alleging violations of the New Source Performance Standards (“NSPS”) and National Emission Standards for Hazardous Air Pollutants (“NESHAP”) for municipal solid waste landfills, the NSPS and NESHAP General Provisions, and conditions of Chiquita’s Title V permit. Specifically, the FOV alleges that Chiquita violated 40 C.F.R. §§ 60.11, 60.752, 60.753, 60.762, 60.763, 60.752, 63.6, 63.1955, 63.1957, 63.1958, 63.1959, 63.1960, 63.1961, and Conditions 5.A, 5.B, 7.A, 7.B, 7.J, 7.K, Section D of Chiquita’s Title V Permit. Chiquita is reviewing this FOV and has requested a conference with EPA to discuss the FOV allegations and potential corrective action.

LEA Site Inspection Report – Explanation and Corrective Action

A discussion of the violations alleged in the LEA’s site inspection report, along with corrective actions taken by Chiquita in response, is provided below.

Explanation

On June 11, 2024, Chiquita received a site inspection report from the LEA that alleges violations of 27 CCR 20921 (Gas Monitoring and Control) for methane concentrations fluctuating in and out of compliance (i.e., above 5% methane) at two monitoring wells and 27 CCR 20750 (Site Maintenance) for alleged leachate and stability issues, high temperatures, issues with landfill gas collection, and settlement.

The methane exceedances are due to the increased production of landfill gas caused by the landfill reaction. When Chiquita is unable to collect all of the gas produced, it either moves up as surface emissions, or it moves laterally as subsurface migration.

Corrective Action

To address the methane exceedances noted in the LEA’s site inspection report, Chiquita has been installing new wells in the area, turning the new and existing wells, improving vacuum reliability for the soil vapor extraction wells by relocating the Zeeco portable thermal oxidizer to the upper portion of the Landfill and installing a new, larger inlet header to improve liquid management and flow stability, and performing daily inspections to maximize extraction, safety permitting. Chiquita is also conducting extensive, daily cover inspections and is repairing the cover as needed, safety permitting.

To address the site maintenance issues noted in the LEA’s site inspection report, Chiquita has been implementing the four mitigation measures recommended by CalRecycle as required by the report. These mitigation measures have since been memorialized in the LEA’s Compliance Order. More detailed information on Chiquita’s implementation of the LEA’s Compliance Order is provided above and is available on Chiquita’s website.

Mr. David Nguyen
Los Angeles County Public Works
June 28, 2024
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Water Board NOV – Explanation and Corrective Action

On June 27, 2024, the Water Board issued Chiquita an NOV for alleged non-compliance with a March 20, 2024 investigative order issued by the Water Board pursuant to California Water Code sections 13267 and 13383. The NOV relates to an allegedly deficient technical report and related reporting by Chiquita in response to the Water Board's investigative order. Chiquita is reviewing this NOV and will provide a response to the alleged violations and listed required actions.

Please contact me should you have any questions about this report.

Sincerely,



Steve Cassulo
District Manager
Chiquita Canyon, LLC

Attachment: A – NOVs under Health & Safety Code § 41700 and South Coast AQMD Rule 402
B – June 4, 2024 EPA FOV
C – June 11, 2024 Site Inspection Report
D – June 27, 2024 Water Board NOV
E – June 6, 2024 LEA Compliance Order
F – April 24, 2024 Stipulated Order for Abatement with South Coast AQMD

cc: Karlo Manalo, Public Works
Ai-Viet Huynh, Department of Regional Planning
Alex Garcia, Department of Regional Planning
Edgar De La Torre, Department of Regional Planning
Eric Morofuji, Department of Public Health
Mark Como, Department of Public Health

Attachment A



South Coast Air Quality Management District
21865 COPLEY DRIVE, DIAMOND BAR, CA 91765-4178

P 75329

NOTICE OF VIOLATION

DATE OF VIOLATION		
Month	Day	Year
5	28	24

Facility Name: Chiquita Canyon Landfill		Facility ID#: 119219	Sector: VB
Location Address: 29201 Henry Mago Drive		City: Castaic	Zip: 91384
Mailing Address: 29201 Henry Mago Drive		City: Castaic	Zip: 91384

YOU ARE HEREBY NOTIFIED THAT YOU HAVE BEEN CITED FOR ONE OR MORE VIOLATIONS OF THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT (SCAQMD) RULES, STATE LAW OR FEDERAL LAW. IF PROVEN, SUCH VIOLATION(S) MAY RESULT IN THE IMPOSITION OF CIVIL OR CRIMINAL PENALTIES.

EACH DAY A VIOLATION OCCURS MAY BE HANDLED AS A SEPARATE OFFENSE REGARDLESS OF WHETHER OR NOT ADDITIONAL NOTICES OF VIOLATION ARE ISSUED.

DESCRIPTION OF VIOLATIONS

#	Authority*	Code Section or Rule No.	SCAQMD Permit to Operate or CARB Registration No.	Condition No. (If Applicable)	Description of Violation
1	<input checked="" type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR	402		_____ _____ _____	For discharging such quantities of air contaminants to cause injury, detriment, nuisance or annoyance to a considerable number of persons
2	<input type="checkbox"/> SCAQMD <input checked="" type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR	41700		_____ _____ _____	
3	<input type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR			_____ _____ _____	
4	<input type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR			_____ _____ _____	
5	<input type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR			_____ _____ _____	

Served To: Steve Cassulo	Phone: 661.371.9244	Served By: Tung Allen Vu	Date Notice Served: 5.29.24
Title: District Manager	Email: stevenc@wasteconnections.com	Phone No: <input checked="" type="checkbox"/> 909-396-2673 <input type="checkbox"/> 310-233-	Email: tallen.vu@aqmd.gov

*Key to Authority Abbreviations:

SCAQMD - South Coast Air Quality Management District
CCR - California Code of Regulations

CH&SC - California Health and Safety Code
CFR - Code of Federal Regulations

Method of Service:

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ORIGINAL



South Coast Air Quality Management District
21865 COPLEY DRIVE, DIAMOND BAR, CA 91765-4178

P 79616

NOTICE OF VIOLATION

DATE OF VIOLATION		
Month:	Day:	Year:
05	29	2024

Facility Name:	Chiquita Canyon LLC	Facility ID#:	119219	Sector:	VB
Location Address:	29201 Henry Mayo Drive	City:	Castaic	Zip:	91384
Mailing Address:	29201 Henry Mayo Drive	City:	Castaic	Zip:	91384

YOU ARE HEREBY NOTIFIED THAT YOU HAVE BEEN CITED FOR ONE OR MORE VIOLATIONS OF THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT (SCAQMD) RULES, STATE LAW OR FEDERAL LAW. IF PROVEN, SUCH VIOLATION(S) MAY RESULT IN THE IMPOSITION OF CIVIL OR CRIMINAL PENALTIES.

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1	<input checked="" type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR	Rule 402			For discharging such quantities of air contaminants to cause injury, detriment nuisance or annoyance to considerable number of persons.
2	<input type="checkbox"/> SCAQMD <input checked="" type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR	CH&SC 41700			For discharging such quantities of air contaminants to cause injury, detriment nuisance or annoyance to considerable number of persons.
3	<input type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR				
4	<input type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR				
5	<input type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR				

Served To:	Steve Cassulo	Phone:	661.371.9214	Served By:	Abril Alberto	Date Notice Served:	05/29/2024
Title:	District Manager	Email:	steveca@wasteconnections.com	Phone No:	<input checked="" type="checkbox"/> 909-396-2318 <input type="checkbox"/> 310-233-	Email:	aalberto@aqmd.gov

*Key to Authority Abbreviations:	SCAQMD - South Coast Air Quality Management District CCR - California Code of Regulations	CH&SC - California Health and Safety Code CFR - Code of Federal Regulations	Method of Service:	<input type="checkbox"/> In Person <input checked="" type="checkbox"/> Certified Mail
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ORIGINAL



South Coast Air Quality Management District
21865 COPLEY DRIVE, DIAMOND BAR, CA 91765-4178

P 73573

NOTICE OF VIOLATION

DATE OF VIOLATION
Month Day Year
05 30 24

Facility Name CHIRUITA CANYON LLC	Facility EIN	Section
Location Address 29201 HENRY MAYO DR	City CASTAIC	Zip 91384
Mailing Address 29201 HENRY MAYO DR	City CASTAIC	Zip 91384

YOU ARE HEREBY NOTIFIED THAT YOU HAVE BEEN CITED FOR ONE OR MORE VIOLATIONS OF THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT (SCAQMD) RULES, STATE LAW OR FEDERAL LAW. IF PROVEN, SUCH VIOLATION(S) MAY RESULT IN THE IMPOSITION OF CIVIL OR CRIMINAL PENALTIES.

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DESCRIPTION OF VIOLATIONS

#	Authority*	Code Section or Rule No.	SCAQMD Permit to Operate or CARDS Registration No.	Condition No. (If Applicable)	Description of Violation
1	<input checked="" type="checkbox"/> SCAQMD <input type="checkbox"/> CHSBC <input type="checkbox"/> CCR <input type="checkbox"/> CFR	Rule 402			For discharging such quantities of air contaminants to cause injury, detriment, nuisance or annoyance to considerable number of persons
2	<input type="checkbox"/> SCAQMD <input checked="" type="checkbox"/> CHSBC <input type="checkbox"/> CCR <input type="checkbox"/> CFR	CHSBC 41700			For discharging such quantities of air contaminants to cause injury, detriment, nuisance or annoyance to considerable number of persons
3	<input type="checkbox"/> SCAQMD <input type="checkbox"/> CHSBC <input type="checkbox"/> CCR <input type="checkbox"/> CFR				
4	<input type="checkbox"/> SCAQMD <input type="checkbox"/> CHSBC <input type="checkbox"/> CCR <input type="checkbox"/> CFR				
5	<input type="checkbox"/> SCAQMD <input type="checkbox"/> CHSBC <input type="checkbox"/> CCR <input type="checkbox"/> CFR				

Served To STEVE CASSULO	Phone 661.371.9214	Served By BILLY ANDRINE	Date Served 05/30/24
Title DISTRICT MANAGER	Email steve.c@wasteconnections.com	Phone To <input checked="" type="checkbox"/> 909-396-2652 <input type="checkbox"/> 310-233-	Email bantone @ aqmd.gov
*Key to Authority Abbreviations: SCAQMD - South Coast Air Quality Management District CHSBC - California Health and Safety Code CCR - California Code of Regulations		Method of Service <input type="checkbox"/> In Person <input checked="" type="checkbox"/> Certified Mail	

ORIGINAL



South Coast Air Quality Management District
21865 COPLEY DRIVE, DIAMOND BAR, CA 91765-4178

P 78329

NOTICE OF VIOLATION

DATE OF VIOLATION		
Month:	Day:	Year:
05	31	'24

Facility Name:	Chiquita Canyon Landfill	Facility ID#:	119219	Sector:	VB
Location Address:	29201 Henry Mayo Dr.	City:	Castaic	Zip:	91384
Mailing Address:	29201 Henry Mayo Dr.	City:	Castaic	Zip:	91384

YOU ARE HEREBY NOTIFIED THAT YOU HAVE BEEN CITED FOR ONE OR MORE VIOLATIONS OF THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT (SCAQMD) RULES, STATE LAW OR FEDERAL LAW. IF PROVEN, SUCH VIOLATION(S) MAY RESULT IN THE IMPOSITION OF CIVIL OR CRIMINAL PENALTIES.

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DESCRIPTION OF VIOLATIONS

#	Authority*	Code Section or Rule No.	SCAQMD Permit to Operate or CARB Registration No.	Condition No. (If Applicable)	Description of Violation
1	<input checked="" type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR	402		—	For discharging such quantities of air contaminants to cause injury, detriment, nuisance or annoyance to a considerable number of persons.
2	<input type="checkbox"/> SCAQMD <input checked="" type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR	41700		—	For discharging such quantities of air contaminants to cause injury, detriment, nuisance or annoyance to a considerable number of persons.
3	<input type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR			—	
4	<input type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR			—	
5	<input type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR			—	

Served To:	Steve Cassulo	Phone:	661-371-9214	Served By:	Niyati Rami	Date Notice Served:	05/31/24
Title:	District Manager	Email:	STEVE.CASSULO@wasteconnections.com	Phone No:	<input checked="" type="checkbox"/> 909-396-2249 <input type="checkbox"/> 310-233-	Email:	nrami@aqmd.gov
*Key to Authority Abbreviations:						Method of Service:	
SCAQMD – South Coast Air Quality Management District CCR – California Code of Regulations						<input type="checkbox"/> In Person <input checked="" type="checkbox"/> Certified Mail	
CH&SC – California Health and Safety Code CFR – Code of Federal Regulations							

ORIGINAL



South Coast Air Quality Management District
21865 COPLEY DRIVE, DIAMOND BAR, CA 91765-4178

P 74042

NOTICE OF VIOLATION

DATE OF VIOLATION		
Month: 6	Day: 3	Year: 24

Facility Name: Chiquita Canyon Landfill	Facility ID#: 119219	Sector: VB
Location Address: 29201 Henry Mayo Dr	City: Castaic	Zip: 91384
Mailing Address: 29201 Henry Mayo Dr	City: Castaic	Zip: 91384

YOU ARE HEREBY NOTIFIED THAT YOU HAVE BEEN CITED FOR ONE OR MORE VIOLATIONS OF THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT (SCAQMD) RULES, STATE LAW OR FEDERAL LAW. IF PROVEN, SUCH VIOLATION(S) MAY RESULT IN THE IMPOSITION OF CIVIL OR CRIMINAL PENALTIES.

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DESCRIPTION OF VIOLATIONS

#	Authority*	Code Section or Rule No.	SCAQMD Permit to Operate or CARB Registration No.	Condition No. (If Applicable)	Description of Violation
1	<input checked="" type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR	402			Discharging such quantities of air contaminants to cause injury, detriment, nuisance, or annoyance to a considerable number of persons
2	<input type="checkbox"/> SCAQMD <input checked="" type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR	41700			Discharging such quantities of air contaminants to cause injury, detriment, nuisance, or annoyance to a considerable number of persons
3	<input type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR				
4	<input type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR				
5	<input type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR				

Served To: Steve Cassalo	Phone: 661-371-9214	Served By: Aaron Henhauer	Date Notice Served: 6/3/24
Title: District Manager	Email: stevecassalo@aqmd.gov	Phone No: <input checked="" type="checkbox"/> 909-396-2513 <input type="checkbox"/> 310-233-	Email: ahenhauer@aqmd.gov

*Key to Authority Abbreviations:

SCAQMD - South Coast Air Quality Management District
CCR - California Code of Regulations

CH&SC - California Health and Safety Code
CFR - Code of Federal Regulations

Method of Service:

☐ In Person

☒ Certified Mail



NOTICE OF VIOLATION

DATE OF VIOLATION		
Month: 6	Day: 4	Year: 24

Facility Name: Chiquita Canyon Landfill		Facility ID: 119619	Section: VB
Location Address: 29201 Henry Mayo Drive		City: Costa Rica	Zip: 91384
Mailing Address: 29201 Henry Mayo Drive		City: Costa Rica	Zip: 91384

YOU ARE HEREBY NOTIFIED THAT YOU HAVE BEEN CITED FOR ONE OR MORE VIOLATIONS OF THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT (SCAQMD) RULES, STATE LAW OR FEDERAL LAW. IF PROVEN, SUCH VIOLATION(S) MAY RESULT IN THE IMPOSITION OF CIVIL OR CRIMINAL PENALTIES.

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DESCRIPTION OF VIOLATIONS

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1	<input checked="" type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR	402			for discharging such quantities of air contaminants to cause injury, detriment, nuisance or annoyance to a considerable number of persons
2	<input type="checkbox"/> SCAQMD <input checked="" type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR	41700			"
3	<input type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR				
4	<input type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR				
5	<input type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR				

Served To: Steve Lassulo	Phone: 661-371-9214	Served By: Adam Martinez	Date Notice Served: 6/4/24
Title: District Manager	Email: Steven.Lassulo@wasteconnection.com	Phone No.: <input checked="" type="checkbox"/> 909-396-2431 <input type="checkbox"/> 310-233-	Fax: amartinez2 @aqmd.gov
*Key to Authority Abbreviations: SCAQMD - South Coast Air Quality Management District CH&SC - California Health and Safety Code CCR - California Code of Regulations		Method of Service: <input type="checkbox"/> In Person <input checked="" type="checkbox"/> Certified Mail	

ORIGINAL



South Coast Air Quality Management District
21865 COPLEY DRIVE, DIAMOND BAR, CA 91765-4178

P 80221

NOTICE OF VIOLATION

DATE OF VIOLATION		
Month:	Day:	Year:
06	05	24

Facility Name: Chiquita Canyon Landfill		Facility ID#: 119219	Sector: VB
Location Address: 29201 Henry Mayo Drive	City: Castaic	Zip: 91384	
Mailing Address: 29201 Henry Mayo Drive	City: Castaic	Zip: 91384	

YOU ARE HEREBY NOTIFIED THAT YOU HAVE BEEN CITED FOR ONE OR MORE VIOLATIONS OF THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT (SCAQMD) RULES, STATE LAW OR FEDERAL LAW. IF PROVEN, SUCH VIOLATION(S) MAY RESULT IN THE IMPOSITION OF CIVIL OR CRIMINAL PENALTIES.

EACH DAY A VIOLATION OCCURS MAY BE HANDLED AS A SEPARATE OFFENSE REGARDLESS OF WHETHER OR NOT ADDITIONAL NOTICES OF VIOLATION ARE ISSUED.

DESCRIPTION OF VIOLATIONS

#	Authority*	Code Section or Rule No.	SCAQMD Permit to Operate or CARB Registration No.	Condition No. (If Applicable)	Description of Violation
1	<input checked="" type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR	402			FOR DISCHARGING SUCH QUANTITIES OF AIR CONTAMINANTS TO CAUSE INJURY DETRIMENT, NUISANCE OR ANNOYANCE TO A CONSIDERABLE NUMBER OF PERSONS.
2	<input type="checkbox"/> SCAQMD <input checked="" type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR	41700			FOR DISCHARGING SUCH QUANTITIES OF AIR CONTAMINANTS TO CAUSE INJURY DETRIMENT, NUISANCE OR ANNOYANCE TO A CONSIDERABLE NUMBER OF PERSONS.
3	<input type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR				
4	<input type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR				
5	<input type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR				

Served To: Steve Cassulo	Phone: 661 371-9214	Served By: JENNIFER CEDILLO	Date Notice Served: 06-05-24
Title: DISTRICT MANAGER	Email: steven.cassulo@wasteconnections.com	Phone No.: <input checked="" type="checkbox"/> 909-396-2025 <input type="checkbox"/> 310-233-	Email: JCEDILLO @aqmd.gov

*Key to Authority Abbreviations:

SCAQMD - South Coast Air Quality Management District
CCR - California Code of Regulations

CH&SC - California Health and Safety Code
CFR - Code of Federal Regulations

Method of Service:

☒ In Person

☐ Certified Mail

ORIGINAL



NOTICE OF VIOLATION

DATE OF VIOLATION		
Month	Day	Year
06	06	2024

Facility Name CHIQUITA CANYON LANDFILL		Facility ID# 119219	Section VB
Location Address 29201 HENRY MAYO DRIVE		City CASTAIC	Zip 91384
Mailing Address 29201 HENRY MAYO DRIVE		City CASTAIC	Zip 91384

YOU ARE HEREBY NOTIFIED THAT YOU HAVE BEEN CITED FOR ONE OR MORE VIOLATIONS OF THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT (SCAQMD) RULES, STATE LAW OR FEDERAL LAW. IF PROVEN, SUCH VIOLATION(S) MAY RESULT IN THE IMPOSITION OF CIVIL OR CRIMINAL PENALTIES.

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DESCRIPTION OF VIOLATIONS

#	Authority*	Code Section or Rule No.	SCAQMD Permit to Operate or CARB Registration No.	Condition No. (if Applicable)	Description of Violation
1	<input checked="" type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR	Rule 402			FOR DISCHARGING SUCH QUANTITIES OF AIR CONTAMINANTS TO CAUSE INJURY, DETRIMENT, NUISANCE OR ANNOYANCE TO A CONSIDERABLE NUMBER OF PERSONS.
2	<input type="checkbox"/> SCAQMD <input checked="" type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR	CH&SC 41700			FOR DISCHARGING SUCH QUANTITIES OF AIR CONTAMINANTS TO CAUSE INJURY, DETRIMENT, NUISANCE OR ANNOYANCE TO A CONSIDERABLE NUMBER OF PERSONS.
3	<input type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR				
4	<input type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR				
5	<input type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR				

Served To: STEVE CASSULO		Phone: 661-371-9214	Served By: Hugo Campos	Date Notice Served: 06/06/2024
Title: DISTRICT MANAGER	Email: steve.ca@wasteconnectors.com	Phone No: <input checked="" type="checkbox"/> 909-396-2110 <input type="checkbox"/> 310-233-	Email: hcampos@aqmd.gov	

*Key to Authority Abbreviations

SCAQMD - South Coast Air Quality Management District
CCR - California Code of Regulations

CH&SC - California Health and Safety Code
CFR - Code of Federal Regulations

Method of Service

☐ In Person

☒ Certified Mail

ORIGINAL



South Coast Air Quality Management District
21865 COPLEY DRIVE, DIAMOND BAR, CA 91765-4178

P 80022

NOTICE OF VIOLATION

DATE OF VIOLATION		
Month:	Day:	Year:
06	07	2024

Facility Name: Chiquita Canyon Landfill		Facility ID#: 119219	Sector: VB
Location Address: 29201 Henry Mayo Dr		City: Castaic	Zip: 91384
Mailing Address: 29201 Henry Mayo Dr		City: Castaic	Zip: 91384

YOU ARE HEREBY NOTIFIED THAT YOU HAVE BEEN CITED FOR ONE OR MORE VIOLATIONS OF THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT (SCAQMD) RULES, STATE LAW OR FEDERAL LAW. IF PROVEN, SUCH VIOLATION(S) MAY RESULT IN THE IMPOSITION OF CIVIL OR CRIMINAL PENALTIES.

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DESCRIPTION OF VIOLATIONS

#	Authority*	Code Section or Rule No.	SCAQMD Permit to Operate or CARB Registration No.	Condition No. (If Applicable)	Description of Violation
1	<input checked="" type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR	Rule 402		_____	For discharging such quantities of air contaminants to cause injury, detriment, nuisance or annoyance to a considerable number of persons.
2	<input type="checkbox"/> SCAQMD <input checked="" type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR	California H&S Code Sec 41700		_____	
3	<input type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR			_____	
4	<input type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR			_____	
5	<input type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR			_____	

Served To: Steve Cassulo	Phone: 661-371 9214	Served By: Daniel Rosas	Date Notice Served: 06/07/2024
Title: District Manager	Email: stevec@waskconnections.com	Phone No: <input checked="" type="checkbox"/> 909-396-2080 <input type="checkbox"/> 310-233-	Email: drosas@aqmd.gov

*Key to Authority Abbreviations:

SCAQMD – South Coast Air Quality Management District
CCR – California Code of Regulations

CH&SC – California Health and Safety Code
CFR – Code of Federal Regulations

Method of Service:

☒ In Person

☐ Certified Mail

VIOLATOR'S COPY



South Coast Air Quality Management District
21865 COPLEY DRIVE, DIAMOND BAR, CA 91765-4178

P 80940

NOTICE OF VIOLATION

DATE OF VIOLATION		
Month:	Day:	Year:
06	11	2024

Facility Name: CHUQUITA CANYON LANDFILL		Facility ID#: 119219	Sector: VB
Location Address: 79201 HENRY MAYO DRIVE		City: CASTAIC	Zip: 91384
Mailing Address: 79201 HENRY MAYO DRIVE		City: CASTAIC	Zip: 91384

YOU ARE HEREBY NOTIFIED THAT YOU HAVE BEEN CITED FOR ONE OR MORE VIOLATIONS OF THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT (SCAQMD) RULES, STATE LAW OR FEDERAL LAW. IF PROVEN, SUCH VIOLATION(S) MAY RESULT IN THE IMPOSITION OF CIVIL OR CRIMINAL PENALTIES.

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DESCRIPTION OF VIOLATIONS

#	Authority*	Code Section or Rule No.	SCAQMD Permit to Operate or CARB Registration No.	Condition No. (If Applicable)	Description of Violation
1	<input checked="" type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR	RULE 402		_____	FOR DISCHARGING SUCH QUANTITIES OF AIR CONTAMINANTS TO CAUSE INJURY, DETRIMENT, NUISANCE OR ANNOYANCE TO A CONSIDERABLE NUMBER OF PERSONS
2	<input type="checkbox"/> SCAQMD <input checked="" type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR	CAL HAS CODE 41700		_____	FOR DISCHARGING SUCH QUANTITIES OF AIR CONTAMINANTS TO CAUSE INJURY, DETRIMENT, NUISANCE OR ANNOYANCE TO A CONSIDERABLE NUMBER OF PERSONS
3	<input type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR			_____	
4	<input type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR			_____	
5	<input type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR			_____	

Served To: STEVE CASSULO		Phone: 661-371-9214	Served By: DANIEL DELROSARIO	Date Notice Served: 06-11-2024
Title: DISTRICT MANAGER	Email: STEVEN.CASSULO@WASTE CONNECTIONS.COM	Phone No: <input checked="" type="checkbox"/> 909-396-2062 <input type="checkbox"/> 310-233-	Email: DDELROSARIO@aqmd.gov	

*Key to Authority Abbreviations:

SCAQMD – South Coast Air Quality Management District
CCR – California Code of Regulations

CH&SC – California Health and Safety Code
CFR – Code of Federal Regulations

Method of Service:

☐ In Person

☒ Certified Mail

VIOLATOR'S COPY



South Coast Air Quality Management District
21865 COPLEY DRIVE, DIAMOND BAR, CA 91765-4178

P 80625

NOTICE OF VIOLATION

DATE OF VIOLATION		
Month:	Day:	Year:
06	12	2024

Facility Name: <u>Chiquita Canyon Landfill</u>		Facility ID#: <u>119219</u>	Sector: <u>VB</u>
Location Address: <u>29201 Henry Mayo Drive</u>		City: <u>Castaic</u>	Zip: <u>91384</u>
Mailing Address: <u>29201 Henry Mayo Drive</u>		City: <u>Castaic</u>	Zip: <u>91384</u>

YOU ARE HEREBY NOTIFIED THAT YOU HAVE BEEN CITED FOR ONE OR MORE VIOLATIONS OF THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT (SCAQMD) RULES, STATE LAW OR FEDERAL LAW. IF PROVEN, SUCH VIOLATION(S) MAY RESULT IN THE IMPOSITION OF CIVIL OR CRIMINAL PENALTIES.

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DESCRIPTION OF VIOLATIONS

#	Authority*	Code Section or Rule No.	SCAQMD Permit to Operate or CARB Registration No.	Condition No. (If Applicable)	Description of Violation
1	<input checked="" type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR	<u>402</u>			<u>For discharging such quantities of air contaminants to cause injury, detriment, nuisance or annoyance to a considerable number of persons.</u>
2	<input type="checkbox"/> SCAQMD <input checked="" type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR	<u>41700</u>			<u>For discharging such quantities of air contaminants to cause injury, detriment, nuisance or annoyance to a considerable number of persons.</u>
3	<input type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR				
4	<input type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR				
5	<input type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR				

Served To: <u>Steve Cassulo</u>	Phone: <u>661 371-9214</u>	Served By: <u>Karen Woullard</u>	Date Notice Served: <u>06/12/2024</u>
Title: <u>District Manager</u>	Email: <u>Steven.cassulo@wasteconnections.com</u>	Phone No: <input checked="" type="checkbox"/> 909-396-2285 <input type="checkbox"/> 310-233-	Email: <u>Kwoullard @ aqmd.gov</u>

*Key to Authority Abbreviations

SCAQMD - South Coast Air Quality Management District
CCR - California Code of Regulations

CH&SC - California Health and Safety Code
CFR - Code of Federal Regulations

Method of Service:

☐ In Person

☒ Certified Mail

VIOLATOR'S COPY



South Coast Air Quality Management District
21865 COPLEY DRIVE, DIAMOND BAR, CA 91765-4178

P 80023

NOTICE OF VIOLATION

DATE OF VIOLATION		
Month:	Day:	Year:
06	13	2024

Facility Name: Chiquita Canyon Landfill		Facility ID#: 119219	Sector: VB
Location Address: 29201 Henry Mayo Dr		City: Castaic	Zip: 91384
Mailing Address: 29201 Henry Mayo Dr		City: Castaic	Zip: 91384

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DESCRIPTION OF VIOLATIONS

#	Authority*	Code Section or Rule No.	SCAQMD Permit to Operate or CARB Registration No.	Condition No. (If Applicable)	Description of Violation
1	<input checked="" type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR	Rule 402			For discharging such quantities of air contaminants to cause injury, detriment, nuisance or annoyance to a considerable number of persons.
2	<input type="checkbox"/> SCAQMD <input checked="" type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR	California H&S Codesec 41700			
3	<input type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR				
4	<input type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR				
5	<input type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR				

Served To: Steve Cassulo		Phone: 661-371-9214	Served By: Daniel Rosas	Date Notice Served: 06/13/2024
Title: District Manager	Email: steveca@wasteconnections.com	Phone No: <input checked="" type="checkbox"/> 909-396-2080 <input type="checkbox"/> 310-233-	Email: drosas@aqmd.gov	

*Key to Authority Abbreviations:

SCAQMD – South Coast Air Quality Management District
CCR – California Code of Regulations

CH&SC – California Health and Safety Code
CFR – Code of Federal Regulations

Method of Service:

☒ In Person

☐ Certified Mail

VIOLATOR'S COPY



South Coast Air Quality Management District
21865 COPLEY DRIVE, DIAMOND BAR, CA 91765-4178

NOTICE OF VIOLATION

P 75465

Facility Name: Chiquita Canyon Landfill		DATE OF VIOLATION Month: 06 Day: 14 Year: 24	
Facility Address: 29201 Henry Mayo Dr	City: Castaic	Facility ID: 119219	State: VB
Mailing Address: 29201 Henry Mayo Dr	City: Castaic	Permit No.: 91384	Permit Expiration Date: 9/3/84

YOU ARE HEREBY NOTIFIED THAT YOU HAVE BEEN CITED FOR ONE OR MORE VIOLATIONS OF THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT (SCAQMD) RULES, STATE LAW OR FEDERAL LAW. IF PROVEN, SUCH VIOLATION(S) MAY RESULT IN THE IMPOSITION OF CIVIL OR CRIMINAL PENALTIES.

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DESCRIPTION OF VIOLATIONS

* Authority	Code Section or Rule No.	SCAQMD Permit to Operate or CARB Registration No.	Condition No. (If Applicable)	Description of Violation
<input checked="" type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR	402			For discharging such quantities of air contaminants to cause injury, detriment, nuisance or annoyance to a considerable number of persons.
<input type="checkbox"/> SCAQMD <input checked="" type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR	CH 4175 41700			For discharging such quantities of air contaminants to cause injury, detriment, nuisance or annoyance to a considerable number of persons.
<input type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR				
<input type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR				
<input type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR				

Sent To: Steve Carsula		Phone: 661-371-9214		Received By: Daniel Woo		Date Notice Sent: 06/14/24	
Title: District Manager		Email: steveca@wasteinspectors.com		Phone No.: <input checked="" type="checkbox"/> 909-396-2423 <input type="checkbox"/> 310-233-		Email: DWoo@aqmd.gov	
Key to Rule Abbreviations: SCAQMD - South Coast Air Quality Management District CH&SC - California Health and Safety Code CCR - California Code of Regulations CFR - Code of Federal Regulations				Method of Service: <input type="checkbox"/> In Person <input checked="" type="checkbox"/> Certified Mail			

ORIGINAL



South Coast Air Quality Management District
21865 COPLEY DRIVE, DIAMOND BAR, CA 91765-4178

P 75331

NOTICE OF VIOLATION

DATE OF VIOLATION		
Month	Day	Year
6	17	24

Facility Name Chiquita Canyon Landfill		Facility ID# 119219	Sector VB
Location Address 29201 Henry Mayo Drive	City Castaic	Zip 91394	
Mailing Address 29201 Henry Mayo Drive	City Castaic	Zip 91394	

YOU ARE HEREBY NOTIFIED THAT YOU HAVE BEEN CITED FOR ONE OR MORE VIOLATIONS OF THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT (SCAQMD) RULES, STATE LAW OR FEDERAL LAW. IF PROVEN, SUCH VIOLATION(S) MAY RESULT IN THE IMPOSITION OF CIVIL OR CRIMINAL PENALTIES.

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DESCRIPTION OF VIOLATIONS

#	Authority*	Code Section or Rule No.	SCAQMD Permit to Operate or CARB Registration No.	Condition No. (If Applicable)	Description of Violation
1	<input checked="" type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR	402		— — —	For discharging such quantities of air contaminants to cause injury, detriment, nuisance or annoyance to a considerable number of persons.
2	<input type="checkbox"/> SCAQMD <input checked="" type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR	41700		— — —	
3	<input type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR			— — —	
4	<input type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR			— — —	
5	<input type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR			— — —	

Served To: Steve Cassulo	Phone: 661.371.9214	Served By: Tony Allen Va	Date Notice Served: 6/17/24
Title: District Manager	Email: stevca@wasteconnections.com	Phone No: <input checked="" type="checkbox"/> 909-396-2673 <input type="checkbox"/> 310-233-	Email: tallenva@aqmd.gov

*Key to Authority Abbreviations:

SCAQMD - South Coast Air Quality Management District
CCR - California Code of Regulations

CH&SC - California Health and Safety Code
CFR - Code of Federal Regulations

Method of Service:

☐ In Person

☒ Certified Mail

ORIGINAL



South Coast Air Quality Management District
21865 COPLEY DRIVE, DIAMOND BAR, CA 91765-4178

P 73179

NOTICE OF VIOLATION

DATE OF VIOLATION		
Month:	Day:	Year:
6	18	2024

Facility Name: CHIQUITA CANYON LANDFILL		Facility ID#: 119219	Sector: VB
Location Address: 29201 HENRY MAYO DRIVE		City: CASTAIC	Zip: 91384
Mailing Address: 29201 HENRY MAYO DRIVE		City: CASTAIC	Zip: 91384

YOU ARE HEREBY NOTIFIED THAT YOU HAVE BEEN CITED FOR ONE OR MORE VIOLATIONS OF THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT (SCAQMD) RULES, STATE LAW OR FEDERAL LAW. IF PROVEN, SUCH VIOLATION(S) MAY RESULT IN THE IMPOSITION OF CIVIL OR CRIMINAL PENALTIES.

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DESCRIPTION OF VIOLATIONS

#	Authority*	Code Section or Rule No.	SCAQMD Permit to Operate or CARB Registration No.	Condition No. (If Applicable)	Description of Violation
1	<input checked="" type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR	402		_____ _____ _____	For discharging such quantities of air contaminants to cause injury, detriment, nuisance, or annoyance to a considerable number of persons
2	<input type="checkbox"/> SCAQMD <input checked="" type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR	41700		_____ _____ _____	For discharging such quantities of air contaminants to cause injury, detriment, nuisance, or annoyance to a considerable number of persons
3	<input type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR			_____ _____ _____	
4	<input type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR			_____ _____ _____	
5	<input type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR			_____ _____ _____	

Served To: STEVE CASSULO		Phone: 661.371.9214	Served By: CARLY ERCIA	Date Notice Served: 6/19/24
Title: DISTRICT MANAGER	Email: steven.cassulo@wasteconnections.com	Phone No: <input checked="" type="checkbox"/> 909-396-2689 <input type="checkbox"/> 310-233-	Email: cercia @ aqmd.gov	

*Key to Authority Abbreviations:

SCAQMD – South Coast Air Quality Management District
CCR – California Code of Regulations

CH&SC – California Health and Safety Code
CFR – Code of Federal Regulations

Method of Service:

☐ In Person

☒ Certified Mail

VIOLATOR'S COPY



South Coast Air Quality Management District
21865 COPLEY DRIVE, DIAMOND BAR, CA 91765-4178

P 79617

NOTICE OF VIOLATION

DATE OF VIOLATION		
Month:	Day:	Year:
06	20	24

Facility Name: Chiquita Canyon LLC.		Facility ID#: 119219	Sector: VB
Location Address: 29201 Henry Mayo Drive	City: Castaic	Zip: 91384	
Mailing Address: 29201 Henry Mayo Drive	City: Castaic	Zip: 91384	

YOU ARE HEREBY NOTIFIED THAT YOU HAVE BEEN CITED FOR ONE OR MORE VIOLATIONS OF THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT (SCAQMD) RULES, STATE LAW OR FEDERAL LAW. IF PROVEN, SUCH VIOLATION(S) MAY RESULT IN THE IMPOSITION OF CIVIL OR CRIMINAL PENALTIES.

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DESCRIPTION OF VIOLATIONS

#	Authority*	Code Section or Rule No.	SCAQMD Permit to Operate or CARB Registration No.	Condition No. (If Applicable)	Description of Violation
1	<input checked="" type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR	Rule 402		_____	For discharging such quantities of air contaminants to cause injury, detriment nuisance or annoyance to considerable number of persons.
2	<input type="checkbox"/> SCAQMD <input checked="" type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR	CH&SC 41700		_____	For discharging such quantities of air contaminants to cause injury, detriment nuisance or annoyance to considerable number of persons.
3	<input type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR			_____	
4	<input type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR			_____	
5	<input type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR			_____	

Served To: Steve Cassulo	Phone: 661.371.9214	Served By: Abriel Albert	Date Notice Served: 06/20/2024
Title: District Manager	Email: Steve.ca@wasteconnections.com	Phone No: <input checked="" type="checkbox"/> 909-396-2312 <input type="checkbox"/> 310-233-	Email: aalberto@aqmd.gov

*Key to Authority Abbreviations:

SCAQMD - South Coast Air Quality Management District
CCR - California Code of Regulations

CH&SC - California Health and Safety Code
CFR - Code of Federal Regulations

Method of Service:

☐ In Person

☒ Certified Mail

ORIGINAL



South Coast Air Quality Management District
21865 COPLEY DRIVE, DIAMOND BAR, CA 91765-4178

NOTICE OF VIOLATION

P 74044

DATE OF VIOLATION		
Month: 6	Day: 24	Year: 24
Permit No: 119219		State: VB
City: Castaic		91384
91384		

Facility Name: Chiquita Canyon Landfill		County: 119219		State: VB	
Location Address: 29201 Henry Mayo Dr		City: Castaic		91384	
Mailing Address: 29201 Henry Mayo Dr		City: Castaic		91384	

YOU ARE HEREBY NOTIFIED THAT YOU HAVE BEEN CITED FOR ONE OR MORE VIOLATIONS OF THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT (SCAQMD) RULES, STATE LAW OR FEDERAL LAW. IF PROVEN, SUCH VIOLATION(S) MAY RESULT IN THE IMPOSITION OF CIVIL OR CRIMINAL PENALTIES.

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DESCRIPTION OF VIOLATIONS

No.	Authority*	Code Section or Rule No.	SCAQMD Permit to Operate or CARB Registration No.	Condition No. (If Applicable)	Description of Violation
1	<input checked="" type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR	402			Discharging such quantities of air contaminants to cause injury, detriment, nuisance or annoyance to a considerable number of persons
2	<input type="checkbox"/> SCAQMD <input checked="" type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR	41700			Discharging such quantities of air contaminants to cause injury, detriment, nuisance or annoyance to a considerable number of persons
3	<input type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR				
4	<input type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR				
5	<input type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR				

Served To: Steve Casale	Phone: 661.371.9214	Served By: Aaron Neuhauer	Date Served: 6/24/24
Title: District Manager	Email: steve.casale@aqmd.gov	Phone: 909-396-2413 310-233-	Email: aneuhauer@aqmd.gov

* Key to Authority Abbreviations: SCAQMD - South Coast Air Quality Management District CCR - California Code of Regulations	CH&SC - California Health and Safety Code CFR - Code of Federal Regulations	Method of Service: <input type="checkbox"/> In Person <input checked="" type="checkbox"/> Certified Mail
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ORIGINAL



NOTICE OF VIOLATION

P 75467

DATE OF VIOLATION		
Month	Day	Year
06	25	24

Facility Name: Chiquita Canyon Landfill		Facility ID: 119219	Station: VB
Location Address: 29201 Henry Mayo Dr		City: Castaic	Zip: 91384
Mailing Address: 29201 Henry Mayo Dr		City: Castaic	Zip: 91384

YOU ARE HEREBY NOTIFIED THAT YOU HAVE BEEN CITED FOR ONE OR MORE VIOLATIONS OF THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT (SCAQMD) RULES, STATE LAW OR FEDERAL LAW. IF PROVEN, SUCH VIOLATION(S) MAY RESULT IN THE IMPOSITION OF CIVIL OR CRIMINAL PENALTIES.

EACH DAY A VIOLATION OCCURS MAY BE HANDLED AS A SEPARATE OFFENSE REGARDLESS OF WHETHER OR NOT ADDITIONAL NOTICES OF VIOLATION ARE ISSUED.

DESCRIPTION OF VIOLATIONS

#	Authority*	Code Section or Rule No.	SCAQMD Permit to Operate or CARB Registration No.	Condition No. (if Applicable)	Description of Violation
1	<input checked="" type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR	402			For discharging such quantities of air contaminants to cause injury, detriment, nuisance or annoyance to a considerable number of persons.
2	<input type="checkbox"/> SCAQMD <input checked="" type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR	CA #85 41700			For discharging such quantities of air contaminants to cause injury, detriment, nuisance or annoyance to a considerable number of persons.
3	<input type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR				
4	<input type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR				
5	<input type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR				

Served To: Steve Casulo		Phone: 661-771-9214	Served By: Daniel Woo	Date Mailed: 6/25/24
Title: District Manager		Email: steveca@wasteconnectiv.com	Phone: <input checked="" type="checkbox"/> 909-396-4432 <input type="checkbox"/> 310-233-	Email: DWoo@aqmd.gov
*Key to Authority Abbreviations: SCAQMD - South Coast Air Quality Management District CCR - California Code of Regulations		CH&SC - California Health and Safety Code CFR - Code of Federal Regulations		Method of Service: <input type="checkbox"/> In Person <input checked="" type="checkbox"/> Certified Mail

ORIGINAL



South Coast Air Quality Management District
21865 COPLEY DRIVE, DIAMOND BAR, CA 91765-4178

P 80024

NOTICE OF VIOLATION

DATE OF VIOLATION		
Month	Day	Year
06	26	2024

Facility Name: Chiquita Canyon Landfill	Facility ID: 118219	State: US
Location Address: 29201 Henry Mayo Dr	City: Custaric	Zip: 91384
Mailing Address: 29201 Henry Mayo Dr	City: Custaric	Zip: 91384

YOU ARE HEREBY NOTIFIED THAT YOU HAVE BEEN CITED FOR ONE OR MORE VIOLATIONS OF THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT (SCAQMD) RULES, STATE LAW OR FEDERAL LAW. IF PROVEN, SUCH VIOLATION(S) MAY RESULT IN THE IMPOSITION OF CIVIL OR CRIMINAL PENALTIES.

EACH DAY A VIOLATION OCCURS MAY BE HANDLED AS A SEPARATE OFFENSE REGARDLESS OF WHETHER OR NOT ADDITIONAL NOTICES OF VIOLATION ARE ISSUED.

DESCRIPTION OF VIOLATIONS

#	Authority*	Code Section or Rule No.	SCAQMD Permit to Operate or CARB Registration No.	Condition No. (If Applicable)	Description of Violation
1	<input checked="" type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR	Rule 402		—	For discharging such quantities of air contaminants to cause injury, detriment, nuisance or annoyance to a considerable number of persons.
2	<input type="checkbox"/> SCAQMD <input checked="" type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR	California H&S Code Sec 41700		—	
3	<input type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR			—	
4	<input type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR			—	
5	<input type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR			—	

Served To: Steve Cassulo	Phone: 661 371 4214	Served By: Daniel Rosas	Date Notice Served: 06/26/2024
Title: District Manager	Email: Steve.C@wasteconnections.com	Phone No: <input checked="" type="checkbox"/> 909-396-2080 <input type="checkbox"/> 310-233-	Email: drosas@aqmd.gov
*Key to Authority Abbreviations: SCAQMD - South Coast Air Quality Management District CCR - California Code of Regulations		Method of Service: <input type="checkbox"/> In Person <input checked="" type="checkbox"/> Certified Mail 4 electronic mail	

ORIGINAL



South Coast Air Quality Management District
21865 COPLEY DRIVE, DIAMOND BAR, CA 91765-4178

P 79664

NOTICE OF VIOLATION

DATE OF VIOLATION		
Month	Day	Year
6	27	24

Facility Name: Chiquita Canyon Landfill	Facility ID#: 119219	Section: VB
Location Address: 29201 Henry Mayo Dr	City: Castaic	Zip: 91384
Mailing Address: 29201 Henry Mayo Dr	City: Castaic	Zip: 91384

YOU ARE HEREBY NOTIFIED THAT YOU HAVE BEEN CITED FOR ONE OR MORE VIOLATIONS OF THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT (SCAQMD) RULES, STATE LAW OR FEDERAL LAW. IF PROVEN, SUCH VIOLATION(S) MAY RESULT IN THE IMPOSITION OF CIVIL OR CRIMINAL PENALTIES.

EACH DAY A VIOLATION OCCURS MAY BE HANDLED AS A SEPARATE OFFENSE REGARDLESS OF WHETHER OR NOT ADDITIONAL NOTICES OF VIOLATION ARE ISSUED.

DESCRIPTION OF VIOLATIONS

#	Authority*	Code Section or Rule No.	SCAQMD Permit to Operate or CARB Registration No.	Condition No (If Applicable)	Description of Violation
1	<input checked="" type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR	402		— — —	1. For discharging such quantities of air contaminants to cause injury, detriment, nuisance or annoyance to a considerable number of persons.
2	<input type="checkbox"/> SCAQMD <input checked="" type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR	41700		— — —	2. For discharging such quantities of air contaminants to cause injury, detriment, nuisance or annoyance to a considerable number of persons.
3	<input type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR			— — —	
4	<input type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR			— — —	
5	<input type="checkbox"/> SCAQMD <input type="checkbox"/> CH&SC <input type="checkbox"/> CCR <input type="checkbox"/> CFR			— — —	

Served To: Steve Cassulo	Phone: 661-371-9214	Served By: Evan Landi	Date Notice Served: 6/27/24
Title: District Manager	Email: steven.cassulo@wasteconnections.com	Phone No: <input checked="" type="checkbox"/> 909-396-2306 <input type="checkbox"/> 310-233-	Email: elandi@aqmd.gov

*Key to Authority Abbreviations:

SCAQMD - South Coast Air Quality Management District
CCR - California Code of Regulations

CH&SC - California Health and Safety Code
CFR - Code of Federal Regulations

Method of Service:

☐ In Person

☒ Certified Mail

ORIGINAL

Attachment B



REGION 9

SAN FRANCISCO, CA 94105

June 4, 2024

VIA ELECTRONIC MAIL
DELIVERY RECEIPT REQUESTED

Steve Cassulo
District Manager
Waste Connections
Chiquita Canyon LLC
29201 Henry Mayo Drive
Castaic, California 91384

Re: Finding of Violation
Chiquita Canyon Landfill
Castaic, CA

Dear Steve Cassulo:

The U.S. Environmental Protection Agency ("EPA") is issuing the enclosed Finding of Violation ("FOV") to Chiquita Canyon LLC, dba Waste Connections, owner and operator of the Chiquita Canyon Landfill (CCL), under Section 113(a) of the Clean Air Act ("CAA"), 42 U.S.C. § 7413(a). We find that Chiquita Canyon LLC is violating the New Source Performance Standards ("NSPS") and National Emission Standards for Hazardous Air Pollutants ("NESHAP") for municipal solid waste landfills, the NSPS and NESHAP General Provisions, as well as conditions in your Title V permit issued to you by the South Coast Air Quality Management District ("South Coast AQMD") at your landfill in Castaic, California.

Sections 113(a)(1), 113(b), and 113(d) of the CAA authorize EPA to issue an order requiring compliance with the requirements of the CAA, issue an administrative penalty order, or commence a civil action seeking an injunction and/or civil penalty. See 42 U.S.C. §§ 7413(a), 7413(b), 7413(d). Further, Section 113(c) of the CAA provides for criminal penalties in certain

cases. See 42 U.S.C. § 7413(c). CCL may, upon request, confer with EPA. CCL may request a conference with EPA within ten (10) working days of the receipt of this FOV. The conference will afford CCL an opportunity to present information on the specific findings of violation, the nature of the violations, and any efforts CCL may have taken to comply and the steps CCL will take to prevent future violations. In addition, in order to make the conference more productive, we encourage CCL to submit to EPA information responsive to the FOV prior to the conference date.

Please plan for your facility's technical and management personnel to attend the conference to discuss compliance measures and commitments. You may have an attorney represent you at this conference.

If you have any questions pertaining to this FOV, please contact Tyler Holybee of the Enforcement and Compliance Assurance Division at (415) 972-3765 or holybee.tyler@epa.gov, or have your attorney contact Catherine Schluter of the Office of Regional Counsel at 415-972-3911 or schluter.catherine@epa.gov. You may call or email them to request a conference. You should make the request within 10 calendar days following receipt of this letter. We should hold any conference within 30 calendar days following receipt of this letter.

Sincerely,

Amy C. Miller-Bowen, Director
Enforcement and Compliance Assurance Division
US EPA Region 9

cc: Terrence Mann, South Coast AQMD
Heather Quiros, California Air Resources Board

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REGION 9

<hr/>)	
)	
In the Matter of:)	Docket No. R9-CAA-24-1022
)	
Chiquita Canyon LLC,)	Finding of Violation
dba Waste Connections)	
)	
<hr/>)	

The U.S. Environmental Protection Agency ("EPA") finds that the Chiquita Canyon LLC, dba Waste Connections ("CCL") is violating Sections 111(e) and 112 of the Clean Air Act, 42 U.S.C. §§ 7411(e) and 7412 ("CAA" or "Act") at Chiquita Canyon Landfill ("Landfill") located at 29201 Henry Mayo Drive in Castaic, CA 91384. Specifically, CCL has violated and is violating the Standards of Performance for New Stationary Sources, General Provisions at 40 C.F.R. Part 60, Subpart A ("NSPS General Provisions"); the Standards of Performance for Municipal Solid Waste Landfills That Commenced Construction, Reconstruction, or Modification After July 17, 2014, at 40 C.F.R. Part 60, Subpart XXX ("NSPS Subpart XXX"); the National Emission Standards for Hazardous Air Pollutant Source Categories, General Provisions at 40 C.F.R. Part 63, Subpart A ("NESHAP General Provisions"); the National Emission Standards for Hazardous Air Pollutants: Municipal Solid Waste Landfills at 40 C.F.R. Part 63, Subpart AAAA ("Landfill NESHAP"); and/or the Title V Air Quality Operating Permit, issued November 14, 2017, and revised September 28, 2023 ("Title V Permit") for the Landfill, as follows:

I. STATUTORY AND REGULATORY BACKGROUND

A. New Source Performance Standards (NSPS) General Provisions and Subpart XXX

1. Section 111(b) of the CAA, 42 U.S.C. § 7411(b), requires EPA to promulgate standards of performance for new stationary sources, which reflect the degree of emission limitation achievable through the application of the best system of emission reduction for each source category.
2. Pursuant to Section 111(b) of the CAA, 42 U.S.C. § 7411(b), EPA promulgated the NSPS General Provisions, at 40 C.F.R. Part 60, Subpart A, which apply to owners or operators of any stationary source that contains an affected facility, the construction or modification of which is commenced after the date of publication of any NSPS standard applicable to the facility.
3. The NSPS General Provisions were first promulgated on December 28, 1971, at 36 Fed. Reg. 24877, and have been amended numerous times since then.

4. Pursuant to Section 111(b) of the CAA, 42 U.S.C. § 7411(b), on August 29, 2016, EPA promulgated the NSPS Subpart XXX at 40 C.F.R. Part 60, Subpart XXX. *See* 81 Fed. Reg. 59368, as amended.
5. The NSPS Subpart XXX applies to municipal solid waste (“MSW”) landfills that commenced construction, reconstruction, or modification after July 17, 2014. 40 C.F.R. § 60.760(a).
6. Section 60.762(b)(2) of the NSPS Subpart XXX provides, in pertinent part, that each owner or operator of an MSW landfill having a design capacity equal to or greater than 2.5 million megagrams (“Mg”) and 2.5 million cubic meters (“m³”), as well as a calculated nonmethane organic compound (“NMOC”) emission rate equal to or greater than 34 Mg per year, shall comply with 40 C.F.R. § 60.762(b)(2)(i)–(v).

B. National Emission Standards for Hazardous Air Pollutants (NESHAP) General Provisions and Subpart AAAAA

7. Section 112(d) of the CAA, 42 U.S.C. § 7412(d), requires EPA to promulgate emission standards for sources of hazardous air pollutants (“HAPs”) to achieve the maximum emission reduction of HAPs achievable for each source category.
8. Pursuant to Section 112(d) of the CAA, 42 U.S.C. § 7412(d), EPA first promulgated the NESHAP General Provisions, at 40 C.F.R. Part 63, Subpart A, on March 16, 1994, at 59 Fed. Reg. 12430. They have been amended numerous times since then and apply as specified in the relevant NESHAP, 40 C.F.R. § 63.1(a)(4)(i).
9. Pursuant to Section 112(d) of the CAA, 42 U.S.C. § 7412(d), on January 16, 2003, EPA promulgated the Landfill NESHAP at 40 C.F.R. Part 63, Subpart AAAAA. *See* 68 Fed. Reg. 2227.
10. The HAPs emitted by MSW landfills include, but are not limited to, vinyl chloride, ethyl benzene, toluene, and benzene. Each of the HAPs emitted from MSW landfills can cause adverse health effects. *See* 68 Fed. Reg. 2227.
11. EPA promulgated amendments to the Landfill NESHAP at 40 C.F.R. Part 63, Subpart AAAAA on March 26, 2020. *See* 85 Fed. Reg. 17,244.
12. The NESHAP General Provisions that apply to Subpart AAAAA are specified in 40 C.F.R. Part 63, Subpart AAAAA, Table 1, and include the operation and maintenance requirements in 40 C.F.R. § 63.6(e)(1)(i)–(ii).
13. Section 63.1935(a)(3) of the Landfill NESHAP provides, in pertinent part, that an owner or operator of an MSW landfill that has accepted waste since November 8, 1987, is subject to the Landfill NESHAP if the landfill has a design capacity equal to or greater than 2.5 million

Mg and 2.5 million m³ and has estimated uncontrolled emissions equal to or greater than 50 Mg per year of NMOC.

14. Section 63.1930(a) of the Landfill NESHAP provides, in pertinent part, that before September 28, 2021, MSW landfills subject to the Landfills NESHAP must meet the requirements of the NSPS at 40 C.F.R. Part 60, Subpart WWW.
15. Section 63.1930(b) of the Landfill NESHAP provides, in pertinent part, that beginning no later than September 27, 2021, MSW landfills subject to the Landfill NESHAP must meet the requirements of Subpart AAAA.

C. Applicable NSPS Subpart XXX and Landfill NESHAP Requirements

16. The NSPS Subpart XXX and Landfill NESHAP require each owner or operator of an MSW landfill with a gas collection and control system (“GCCS”) used to comply with applicable provisions to operate the collection and control device in accordance with the operational, compliance and monitoring provisions of the NSPS Subpart XXX and the Landfill NESHAP. 40 C.F.R. §§ 60.752(b)(2)(iv), 60.762(b)(2)(iv), and 63.1957(a).
17. The NSPS Subpart XXX and Landfill NESHAP require that each subject owner or operator of an MSW landfill that has a GCCS with an active collection system used to comply with applicable provisions must use the active collection system to collect gas from each area, cell, or group of cells in the MSW landfill in which solid waste has been in place for five or more years if the landfill is active or two years or more if closed or at final grade. 40 C.F.R. §§ 60.752(b)(2)(ii)(A)(2), 60.762(b)(2)(ii)(C)(2), 63.1958(a), and 63.1959(b)(2)(ii)(B)(2).
18. The NSPS Subpart XXX and Landfill NESHAP require that each subject owner or operator of an MSW landfill with a GCCS with an active collection system used to comply with the applicable provisions must use the active collection system to collect gas at a sufficient extraction rate. 40 C.F.R. §§ 60.752(b)(2)(ii)(A)(3), 60.762(b)(2)(ii)(C)(3), and 63.1959(b)(2)(ii)(B)(3).
19. The NSPS Subpart XXX and Landfill NESHAP define “sufficient extraction rate,” as “a rate sufficient to maintain a negative pressure at all wellheads in the collection system without causing air infiltration, including any wellheads connected to the system as a result of expansion or excess surface emissions, for the life of the blower.” 40 C.F.R. §§ 60.751, 60.761, and 63.1990.
20. The NSPS Subpart XXX and Landfill NESHAP require each owner or operator of an MSW landfill with a GCCS used to comply with applicable provisions to operate the collection system with negative pressure at each wellhead except during a fire or elevated temperature, during the use of a geomembrane or synthetic cover, or on a decommissioned well. 40 C.F.R. §§ 60.753(b), 60.763(b), and 63.1958(b).

21. The NSPS Subpart XXX and Landfill NESHAP require each owner or operator of an MSW landfill with a GCCS used to comply with applicable provisions to operate the control or treatment system at all times when the collected gas is routed to the system. 40 C.F.R. §§ 60.753(f), 60.763(f) and 63.1958(f).
22. The Landfill NESHAP requires each owner operator of an MSW landfill with a GCCS used to comply with applicable provisions to, in the event the collection or control system is not operating, repair and return the collection and control system to operation in a manner such that downtime is kept to a minimum. 40 CFR § 63.1958(e)(1)(ii).
23. The Landfill NESHAP provides that where an owner or operator subject to the provisions of the Landfill NESHAP seeks to demonstrate compliance with the temperature and nitrogen or oxygen operational standards in the introductory paragraph of § 63.1958(c), for the purpose of identifying whether excess air infiltration into the landfill is occurring, the owner or operator must monitor each well monthly for temperature for the purpose of identifying whether excess air infiltration exists. If a well exceeds the operating parameter for temperature as provided in § 63.1958(c)(1), action must be initiated to correct the exceedance within 5 days. Any attempted corrective measure must not cause exceedances of other operational or performance standards. 40 C.F.R. § 63.1960(a)(4)(i).
24. The Landfill NESHAP requires that if a landfill gas temperature measurement below 145 degrees Fahrenheit (“°F”) cannot be achieved within 15 days of the first measurement of landfill gas greater than 145°F, the owner or operator must conduct a root cause analysis and correct the exceedance as soon as practicable, but no later than 60 days after a landfill gas temperature greater than 145°F was first measured. 40 C.F.R. § 63.1960(a)(4)(i)(A).
25. The Landfill NESHAP provides that if corrective action pursuant to 40 C.F.R. § 63.1960(a)(4)(i)(A) cannot be fully implemented within 60 days following the temperature measurement for which the root cause analysis was required, the owner or operator must also conduct a corrective action analysis and develop an implementation schedule to complete the corrective action as soon as practicable, but no more than 120 days following the measurement of landfill gas temperature greater than 145°F. The owner or operator must submit the root cause analysis, corrective action analysis, and implementation schedule as part of the next semi-annual report. 40 C.F.R. § 63.1960(a)(4)(i)(B).
26. The Landfill NESHAP provides that if a landfill gas temperature measured at either the wellhead or at any point in the well is greater than or equal to 170°F and the carbon monoxide concentration measured, according to the procedures in § 63.1961(a)(5)(vi) is greater than or equal to 1,000 ppmv the corrective action(s) for the wellhead temperature standard (145°F) must be completed within 15 days. 40 C.F.R. § 63.1960(a)(4)(i)(D).

27. The Landfill NESHAP requires that each owner or operator seeking to comply with § 63.1959(b)(2)(ii)(B) for an active gas collection system must install a sampling port and a thermometer, other temperature measuring device, or an access port for temperature measurements at each wellhead. 40 C.F.R. § 63.1961(a).
28. The Landfill NESHAP provides that where an owner or operator subject to the provisions of the Landfill NESHAP seeks to demonstrate compliance with the operational standard for temperature in § 63.1958(c)(1), unless a higher operating temperature value has been approved by the Administrator of the EPA, you must initiate enhanced monitoring at each well with a measurement of landfill gas temperature greater than 145°F. 40 C.F.R. § 63.1961(a)(5).
29. The Landfill NESHAP requires that enhanced monitoring described in § 63.1961(a)(5) must begin 7 calendar days after the first measurement of landfill gas temperature greater than 145°F. 40 C.F.R. § 63.1961(a)(5)(vii).
30. The Landfill NESHAP requires enhanced monitoring defined in § 63.1961(a)(5) be conducted on a weekly basis. 40 C.F.R. § 63.1961(a)(5)(viii).
31. The Landfill NESHAP requires that each owner or operator seeking to comply with § 63.1959(b)(2)(ii)(B) for an active gas collection system must annually monitor the temperature of each wellhead with a measurement of landfill gas temperature greater than or equal to 165°F every 10 vertical feet of the well. This temperature can be monitored either with a removable thermometer, or using temporary or permanent thermocouples installed in the well. 40 C.F.R. § 63.1961(a)(6).
32. The Landfill NESHAP requires that at all times, beginning no later than September 27, 2021, the owner or operator must operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. 40 C.F.R. § 63.1955(c).
33. The NSPS Subpart XXX requires each owner or operator of an MSW landfill to comply with the applicable provisions in this subpart at all times, including periods of startup, shutdown, and malfunction. 40 C.F.R §§ 60.755(e) and 60.765(e).
34. To determine compliance with the surface methane operational standard, the NSPS Subpart XXX and Landfill NESHAP require each owner or operator to monitor surface concentrations of methane along the entire perimeter of the collection area and along a pattern that traverses the landfill at 30-meter intervals (or a site-specific established spacing) for each collection area on a quarterly basis using an appropriate detection device. 40 C.F.R. §§ 60.765(c)(1), 60.755(c)(1), and 63.1960(c)(1).

35. Any reading of 500 ppm or more above background at any location shall be recorded as a monitored exceedance and the landfill owner or operator shall take the prescribed steps in the NSPS and the NESHAP to remain in compliance. Any location that initially showed an exceedance but has a methane concentration less than 500 ppm methane above background at the 10-day re-monitoring specified in the NSPS and the NESHAP shall be re-monitored 1 month from the initial exceedance. 40 C.F.R. §§ 60.765(c)(4)(iv), 60.755(c)(4)(iv), and 63.1960(c)(4)(iv).

D. Title V Permit

36. Pursuant to Section 502(a) of the CAA, 42 U.S.C. § 7661a(a), it is unlawful to violate any requirement of a Title V permit issued by a permit authority with a program approved under Title V of the CAA.
37. Effective November 30, 2001, EPA issued final full approval of South Coast AQMD's Title V permit program. See 40 C.F.R. Part 70, Appendix A.
38. On November 14, 2017, South Coast AQMD issued a Title V Permit for the Landfill containing approval for the landfill to operate and to expand capacity, and on September 28, 2023, South Coast AQMD issued a renewal with revisions to the Landfill's Title V Permit.
39. The Title V Permit requires the Permittee to operate the collection system such that gas is collected from each area, cell, or group of cells of the landfill in which the initial solid waste has been in place for a period of five years or more if active or two years or more if closed or at final grade. Condition 5.A, Section D, of the Title V Permit.
40. The Title V Permit requires the Permittee to operate the collection system with negative pressure at each wellhead except during a fire or increased well temperature, during the use of a geomembrane or synthetic cover, or on a decommissioned well. Condition 5.B, Section D, of the Title V Permit.
41. The Title V permit requires the Permittee to comply with the requirements for GCCS installation and removal provisions of 40 C.F.R. § 63.1957. Condition 7.A, Section D, of the Title V Permit.
42. The Title V Permit requires the Permittee to comply with the operational standards for GCCS provisions of 40 C.F.R. § 63.1958. Condition 7.B, Section D, of the Title V Permit.
43. The Title V Permit requires the Permittee to comply with the compliance provisions of 40 C.F.R. § 63.1960 of the Title V Permit. Condition 7.J, Section D, of the Title V Permit.
44. The Title V Permit requires the Permittee to comply with the monitoring of operations

provisions of 40 C.F.R. § 63.1961. Condition 7.K, Section D, of the Title V Permit.

II. FINDINGS

45. Chiquita Canyon LLC dba Waste Connections (“CCL”) operates and owns the Landfill located at 29201 Henry Mayo Drive, Castaic, CA 91384.
46. The Landfill was first approved for waste disposal in 1967 and began accepting waste in 1972. It commenced construction, reconstruction, or modification after November 14, 2017.
47. The Landfill has a design capacity which is greater than 2.5 million Mg and 2.5 million m³, as well as a calculated NMOC emission rate equal to or greater than 50 Mg per year.
48. At all times relevant to the violations alleged herein, the Landfill operated a GCCS that included gas collection wells, a blower that directs landfill gas to a third-party gas to energy plant, and a flare system. At times during the violations alleged herein, the Landfill also operated a temporary flare and at least one thermal oxidizer.
49. The Landfill was subject to the NSPS General Provisions and NSPS Subpart XXX for all dates applicable to this Finding of Violation (“FOV”).
50. The Landfill was subject to the Landfill NESHAP provisions as set out in 40 C.F.R. § 63.1930(a) for all dates applicable to this FOV before September 28, 2021.
51. The Landfill is subject to the requirements of the Landfill NESHAP as set out in § 63.1930(b) for all dates applicable to this FOV starting September 28, 2021.
52. The Landfill was subject to 40 C.F.R. § 63.6(e)(3)(i) for all dates applicable to this FOV before September 28, 2021.
53. On November 2, 2023, November 8, 2023, January 9, 2024, and January 18, 2024, EPA conducted on-site inspections (“Inspections”) of the Landfill.
54. On December 28, 2023, EPA issued a CAA section 114(a) information request (“Information Request”) to CCL to obtain, among other things, sampling results, standard operating procedures, air monitoring data, wellhead monitoring data, leachate disposal data, and enhanced monitoring data.
55. On January 26, 2024, CCL submitted the response to the Information Request.
56. As part of CCL’s response to the Information Request, CCL provided a copy of the Landfill’s wellhead monitoring data, covering January 5, 2022, to December 31, 2023, in a document

titled, "Chiquita Wellhead Data – Temp-Press-CO – 01-01-22 through 12-31-23.xlsx" ("Wellhead Data").

57. As part of CCL's response to the Information Request, CCL provided copies of the Landfill's enhanced monitoring data, covering July 3, 2023, to December 29, 2023 in multiple documents titled, "CCL Enhanced Monitoring CO Results – 2023 H2," "CCL Enhanced Monitoring Down Well Temperatures – 2023 H2," "CCL Enhanced Monitoring Visual Observation Log – 2023 H2," and "CCL Enhanced Monitoring Weekly GEM Readings – 2023 H2" (collectively "Enhanced Monitoring Data").
58. As part of CCL's response to the Information Request, CCL provided copies of the Landfill's Semi-Annual NSPS and NESHAP Reports for 2022 and the first half of 2023 (collectively "Semi-Annual Reports").
59. The Semi-Annual Reports indicate that there was a total of eighty-six (86) wells with downtime exceeding thirty (30) days and for less than or equal to one-hundred and twenty (120) days. The well identification numbers for these wells are H-1751S, H-2054W, H-1404C, H-1409N, H-1760S, TC-1961A, P-72, H-1409S, CV-1606, H-1767S, CV-02, H-2170S, H-1759S, CV-1602D, CV-09, CV-1601D, CV-1601S, CV-1602S, H-1758S, H-1572S, CV-1604, H-1771S, H-1568S, H-1769S, H-1408W, H-1402C, H-2055E, H-1762N, H-1764N, H-1772S, H-1565E, CV-100, H-1760N, CV-1905, H-30, H-1962S, CV-02, H-1804S, H-1763N, H-2167W, CV-03, H-2171A, H-1569S, CV-1418, H-1952S, H-1965S, CV-1419, H-1759N, H-1805S, H-1954S, CV-1906, H-1408E, H-1771N, TC-1961W, H-1568N, H-2277B, H-1751S, H-1571S, H-1763S, H-1962A, H-29, H-1563S, H-1764S, H-1571S, H-55, CV-85S, H-1806B, H-1757S, H-22 (EXP-22), H-1964C, H-1568S, H-1761S, H-1951W, P-47, CV-74R, H-2169W, H-1409E, CV-1903, H-1770A, CV-103, TC-1961C, CV-1902D, H-65, H-1405C, H-1953S, and H-2169B.
60. The Semi-Annual Reports indicate that there was a total of eighty-five (85) wells with downtime exceeding one-hundred and twenty (120) days. The well identification numbers for these wells are H-2274B, H-65, H-1769B, CV-1532, H-1551B, H-1754S, H-1759N, H-1963C, H-1965C, CV-1425, H-1764S, H-1966N, H-2059W, H-2166W, CV-103, H-1773C, H-2055E, H-2274W, H-1772N, H-2168A, H-1754S, H-1956N, H-1763S, H-1408E, CV-2006, TC-1961C, CV-1419, H-1771N, H-1770S, H-1771A, H-1770S, H-1769A, H-1963A, H-2055E, H-2169C, H-1765N, H-1752N, H-1804B, H-1569S, H-1568N, H-1568N, H-2162B, H-2164B, H-2164E, CV-1535, H-1751S, H-1752N, H-1772N, H-1408E, H-1568N, CV-1418, H-1753N, H-1569S, H-1802N, CV-2203, CV-1533, H-1563N, H-1564N, H-1753S, H-1752N, CV-1422, H-12 (EXP-12), H-1760N, H-1772S, CV-1533, TC-1961W, CV-1424, H-1805A, H-1955C, H-2167B, CV-1608D, CV-1608S, H-1767S, H-31, CV-2202, H-1405C, H-1756S, H-1957A, H-2167A, H-1773C, TC-1961W, CV-1423, H-1405E, H-1564N, and H-1754S.
61. The Semi-Annual Reports indicate that there was a total of eight (8) wells with downtime exceeding thirty (30) days and that downtime is ongoing. The well identification numbers for these wells are P-59, P-67R, P-39A, P-74, CV-1610, P-58R, P-68, and P-69.

62. The Wellhead Data indicate that there were thirty-nine (39) wells where the wellhead temperature above 145°F was not corrected within 60 days of the initial measurement. The well identification numbers for those wells are CV-1532A, CV-1534A, CV-1902A, CV-1902D, CV-1902S, CV-2342A, CV-1532, CV-2003, CV-2004, CV-2201, CV-2202, CV-2203, CV-2204, CV-2206, CV-2304, CV-2306, CV-2308, CV-2310, CV-2322, CV-2327, CV-2338, CV-2339, CV-2353, H-1561C, H-1561N, H-1751N, H-1757N, H-1770B, H-1770N, H-1773A, H-1774A, H-1962B, H-1962N, H-1962S, TC-2378, TC-2381E, TC-2382B, TC-2382E, and TC-2385A .
63. The Wellhead Data and Semi-Annual Reports indicate that there were at least five (5) wells with temperature measurements above 145°F for which CCL did not submit a root cause analysis, corrective action analysis, and corresponding implementation timeline. The well identification numbers for those wells are H-1561N, H-1751N, H-1773A, H-1962N, and H-1962S.
64. The Enhanced Monitoring Data and Semi-Annual Reports indicate that there were twenty-seven (27) wells where the wellhead temperature was above 170°F and the carbon monoxide concentration measured was greater than or equal to 1,000 ppmv and corrective actions to return the wells below 145°F were not completed within 15 days and are still uncompleted. The well identification numbers for those wells are CV-2310, H-1561N, CV-1534A, CV-2004, CV-2201, CV-2204, CV-2206, CV-2306, CV-2202, CV-2308, CV-2322, CV-2342A, CV-2353, TC-2382E, CV-1902S, CV-2338, CV-2339, H-1751N, H-1773A, H-1774A, H-1803N, H-1962B, H-1962N, H-1962S, H-1774B, H-64, and CV-1419.
65. The Enhanced Monitoring Data and Semi-Annual Reports indicate that there were ten (10) wells where the wellhead temperature was above 170°F and the carbon monoxide concentration measured was greater than or equal to 1,000 ppmv and corrective actions to return the wells below 145°F had not been completed within 15 days. The well identification numbers for those wells are CV-1532A, TC-2382B, CV-1902D, H-1770N, CV-1532A, CV-2003, TC-2385A, TC-2381E, CV-1418, and H-67.
66. The Enhanced Monitoring Data indicate that CCL performed enhanced monitoring less frequently than the required weekly monitoring 18 times in 2022, totaling 174 days in which weekly monitoring was late; and 222 times in 2023, totaling 1244 days in which weekly monitoring was late, using temperature as a surrogate for all weekly monitoring parameters.
67. The Enhanced Monitoring Data indicate that CCL did not conduct enhanced monitoring at six (6) wells with measured temperatures above 145°F in 2023. The well identification numbers for those wells are H-1960, CV-1419, H-1755N, H-1774B, TC-2381W, and TC-2382B.

68. The Enhanced Monitoring Data indicate that CCL did not conduct annual down well monitoring at two (2) wells in 2023. The well identification numbers for those wells are H-1803N and CV-2022.

III. VIOLATIONS

69. From approximately September 2022 to present, CCL was and continues to be in violation of NSPS Subpart XXX and the Landfill NESHAP as cited below.
70. For various periods between January 1, 2022, and December 31, 2023, CCL failed to operate the Landfill's active collection system at gas collection wells such that gas is collected from each area, cell, or group of cells in the Landfill in which solid waste has been in place for five or more years, in violation of 40 C.F.R. §§ 60.762(b)(2)(ii)(C)(2), 60.752(b)(2)(ii)(A)(2), 63.1958(a), 63.1959(b)(2)(ii)(B)(2), and Condition 5.A, Section D, of the Title V Permit.
71. For various periods between January 1, 2022, and December 31, 2023, CCL failed to operate the Landfill's wells such that they collect gas at a sufficient extraction rate, in violation of 40 C.F.R. §§ 60.762(b)(2)(ii)(C)(3), 60.752(b)(2)(ii)(A)(3), and 63.1959(b)(2)(ii)(B)(3).
72. For various periods between January 1, 2022, and December 31, 2023, CCL failed to operate each of the Landfill's wells with negative pressure, in violation of 40 C.F.R. §§ 60.763(b), 60.753(b), 63.1958(b), and Condition 5.B, Section D, of the Title V Permit.
73. For various periods between January 1, 2022, and December 31, 2023, CCL failed to operate the collection and control devices at the Landfill's gas collection devices in accordance with operational, compliance, and monitoring requirements of the Landfill NESHAP, in violation of 40 C.F.R. §§ 60.752(b)(2)(iv), 60.762(b)(2)(iv), 63.1957(a), and Condition 7.A, Section D, of the Title V Permit.
74. By failing to continuously operate the Landfill's GCCS at the Landfill's gas collection wells without minimizing downtime between January 1, 2022, and December 31, 2023, CCL failed to maintain and operate air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions, in violation of 40 C.F.R. §§ 60.11(d), 63.6(e)(1)(i), and 63.1955(c).
75. CCL failed to return the Landfill's gas collection wells to operation in a manner that minimizes downtime for various periods between January 1, 2022, and December 31, 2023, in violation of 40 CFR § 63.1958(e)(1)(ii) and Condition 7.B, Section D, of the Title V Permit.

76. CCL failed to correct wellhead temperatures at thirty-nine (39) wells, identified in paragraph 62 of this FOV, within 60 days of the wellhead temperature exceeding 145°F, in violation of 40 C.F.R. § 63.1960(a)(4)(i)(A) and Condition 7.J, Section D, of the Title V Permit.
77. CCL failed to submit a root cause analysis, corrective action analysis, and corresponding implementation timeline for at least five (5) wells, identified in paragraph 63 of this FOV, with temperature measurements above 145°F, in violation of 40 C.F.R. § 63.1960(a)(4)(i)(B).
78. CCL failed to complete corrective actions for wellhead temperatures at twenty-seven (27) wells, identified in paragraph 64 of this FOV, within 15 days of the temperature equalling or exceeding 170°F and carbon monoxide equaling or exceeding 1000 ppmv for greater than 15 days, in violation of 40 C.F.R. § 63.1960(a)(4)(i)(D), and Condition 7.J, Section D, of the Title V Permit.
79. CCL failed to complete corrective actions for wellhead temperature at ten (10) wells, identified in paragraph 65, within 15 days of temperatures in the well or wellhead equaling or exceeding 170°F and carbon monoxide equaling or exceeding 1000 ppmv, in violation of 40 C.F.R. § 63.1960(a)(4)(i)(D) and Condition 7.J, Section D, of the Title V Permit.
80. For various periods between January 1, 2022, and present, CCL failed to conduct weekly enhanced monitoring within seven (7) days of the last monitoring event eighteen (18) times in 2022, totaling one hundred seventy four (174) days, and two hundred twenty two (222) times in 2023, totaling one thousand two hundred forty four (1244) days at wells with wellhead temperatures equaling or exceeding 145°F, in violation of 40 C.F.R. § 63.1961(a)(5)(viii) and Condition 7.K, Section D, of the Title V Permit.
81. For various periods between January 1, 2023, and present, CCL failed to conduct weekly enhanced monitoring at six (6) wells, identified in paragraph 67 of this FOV, where wellhead temperatures equaling or exceeding 145°F, in violation of 40 C.F.R. § 63.1961(a)(5)(viii) and Condition 7.K, Section D, of the Title V Permit.
82. In 2023, CCL failed to conduct annual down well temperature monitoring at two (2) wells, identified in paragraph 68 of this FOV, in violation of 40 C.F.R. § 63.1961(a)(6) and Condition 7.K, Section D, of the Title V Permit.

IV. NOTICE OF VIOLATION

83. Notice is given to CCL that the Administrator of the EPA, by authority duly delegated to the undersigned, finds that CCL violated 40 C.F.R. Part 60, Subpart XXX; Part 63, Subpart AAAA; and the Title V Permit as set forth in the Violations section of this FOV.

V. ENFORCEMENT

84. Section 113(a)(3) of the Act provides that when any person has violated any requirement or prohibition of title I of the Act (including CAA sections 111 and 112), EPA may:
- issue an order requiring compliance with the requirement or prohibition;
 - issue an administrative penalty order pursuant to section 113(d) of the Act for civil administrative penalties; or
 - bring a civil action pursuant to section 113(b) of the Act for injunctive relief and/or civil penalties.
85. The amount of civil penalties that may be recovered for violations such as those discussed above of the CAA and its implementing regulations is set by statute. *See* 40 C.F.R. Part 19.
86. Furthermore, if a person knowingly violates any requirement or prohibition of section 111(e) or section 112 of the Act, section 113(c) of the Act provides for criminal penalties or imprisonment, or both. 42 U.S.C. § 7413(c). Under section 306(a) of the Act (42 U.S.C. § 7606(a)), the regulations promulgated thereunder (2 C.F.R. Part 1532), and Executive Order 11738, persons convicted of an offense under section 113(c) of the Act are disqualified from receiving federal contracts, grants, and loans.

VI. PENALTY ASSESSMENT CRITERIA

87. Section 113(e)(1) of the Act states that, in determining the amount of any penalty to be assessed, the Administrator shall take into consideration (in addition to such other factors as justice may require) the size of the violator, the economic impact of the penalty on the violator, the violator's full compliance history and good faith efforts to comply, the duration of the violation as established by any credible evidence (including evidence other than the applicable test method), payment by the violator of penalties previously assessed for the same violation, the economic benefit of noncompliance, and the seriousness of the violation.
88. Section 113(e)(2) of the Act allows the Administrator to assess a penalty for each day of violation. For the purposes of determining the number of days of violation, where EPA makes a prima facie showing that the conduct or events giving rise to this violation are likely to have continued or recurred past the date of this FOV, the days of violation shall be presumed to include the date of this FOV and each and every day thereafter until the violator establishes that continuous compliance has been achieved, except to the extent that the violator can prove by a preponderance of the evidence that there were intervening days during which no violation occurred or that the violation was not continuing in nature.

VII. OPPORTUNITY FOR CONFERENCE

89. CCL may, upon request, confer with the EPA. The conference will enable CCL to present evidence bearing on the finding of violation, on the nature of the violations, and on any effort, it may have taken or proposes to take to achieve compliance. CCL has the right to be represented by counsel. A request for a conference with the EPA must be made within ten (10) working days of receipt of this FOV, and the request for a conference or other inquiries concerning the FOV should be made in writing to:

Catherine Schluter
Assistant Regional Counsel
Office of Regional Counsel
U.S. Environmental Protection Agency, Region 9
75 Hawthorne Street
San Francisco, CA 94105
415-972-3911
Schluter.catherine@epa.gov

VIII. ENVIRONMENTAL IMPACT OF VIOLATIONS

90. The violations described above have caused or can cause excess emissions of hydrogen sulfide, volatile hazardous air pollutants (“VHAP”), and volatile organic compounds (“VOC”) including methane.
91. Hydrogen sulfide can lead to irritation, headaches, nausea, and respiratory stress. Hydrogen sulfide also significantly contributes to local odor nuisances reducing surrounding quality of life.
92. VOCs and methane contribute to ground-level ozone formation. Breathing ozone contributes to a variety of health problems including chest pain, coughing, throat irritation, and congestion. It can worsen bronchitis, emphysema, and asthma. Ground-level ozone can also reduce lung function and inflame lung tissue. Repeated exposure may permanently scar lung tissue.
93. VHAP emissions can lead to a variety of adverse health effects including cancer, respiratory irritation, and damage to the nervous system.
94. Methane emissions can lead to fires or explosions as it accumulates on or off site. Methane is a very potent greenhouse gas and a leading contributor to global climate change, and it is also an ozone precursor.

Amy C. Miller-Bowen, Director
Enforcement and Compliance Assurance Division
US EPA Region 9

Attachment C

Disposal Facility (Site) Inspection Report (52)
Chiquita Canyon Sanitary Landfill (19-AA-0052)
4/30/2024

Inspection Information

Inspected By: Los Angeles County **Local Inspection ID:**
Inspection Date: 4/30/2024 **Time In:**
Inspection Type: Periodic **Time Out:**
Inspector: Eric Morofuji **Inspection Duration:**
Operator: Chiquita Canyon, Inc.
Received By:
Also Present (Name):
Cruz De La Cruz

Facility/Activity Information

Enforcement Agency: County of Los Angeles **SWIS Number:** 19-AA-0052
Facility: **Chiquita Canyon Sanitary Landfill**
29201 Henry Mayo Drive
Castaic, CA 91384
Activity: Solid Waste Landfill
Operational Status: Active **Regulatory Status:** Permitted
Land Owners(s):
Chiquita Canyon, Inc.

The above facility was inspected for compliance with applicable sections of Division 30 of the Public Resources Code (PRC) and Title 14 and Title 27, California Code of Regulations (CCR).

Violations

27 CCR 20921 - Gas Monitoring and Control

Ensure that landfill gas generated on site is controlled not to exceed 5% by volume in air at the site's perimeter boundary.

Probes GP-13 and GP-15 are monitored daily by the operator since 8/1/23 and 9/14/23, respectively, shows that methane levels continue to fluctuate in and out of compliance.

Based on the overall monitoring record of Gp-13 and GP-15, the LEA does not have reasonable assurance that the landfill gas concentration at the perimeter monitoring wells will continue to decrease and stabilize

Disposal Facility (Site) Inspection Report (52)
Chiquita Canyon Sanitary Landfill (19-AA-0052)
4/30/2024

27 CCR 20750 - Site Maintenance

The operator shall implement a preventative maintenance program to monitor and promptly repair or correct deteriorated or defective conditions with respect to requirements of the CIWMB standards, and conditions established by the EA. All other aspects of the disposal site shall be kept in a state of reasonable repair. Due to leachate outbreaks and stability issues with leachate saturated slope and waste, the issues with high temperatures, and landfill gas collection, excessive leachate production, and unusual and large-scale settlement, the LEA is requiring Chiquita Canyon Landfill (CCL) to complete 4 Mitigation Measures as recommended by CalRecycle based on document review and a site inspection on 11/2/2023.

For further details of the above required actions, please refer to previous LEA Inspection Reports and LEA approval letters.

RE: Chiquita Canyon Landfill (SWIS No. 19-AA-0052) CalRecycle's Review of Conditions at the Landfill.

See comments below for updates to the 4 Mitigation Measures.

No Areas of Concern

Inspection Report Comments

APRIL 2024 DISPOSAL FACILITY INSPECTION REPORT

Chiquita Canyon Landfill (19-AA-0052)

29201 Henry Mayo Drive

Castaic, CA 91384

27CCR Section 20750 – Site Maintenance

Updates to the 4 Mitigation Measure:

Mitigation Measure #1 – Reaction/Break Barrier

Disposal Facility (Site) Inspection Report (52)
Chiquita Canyon Sanitary Landfill (19-AA-0052)
4/30/2024

- **#1A** – The LEA issued a Response Letter (Letter) dated 5/3/2024 regarding the Soil Reaction Break/Barrier Plan (Plan) dated 3/27/24 and determined that the Plan was deficient and not adequate in addressing Mitigation Measure #1A. CCL is to submit a revised Plan that addresses the following items as detailed in the Letter dated 5/3/2024.
- **#1B** – Temperature Probes – LEA issued a response letter dated 4/5/2024 requesting additional information on the ongoing installation of the probes. CCL submitted a response letter dated 4/12/2024 that the additional information will be provided to the LEA. The LEA accepted CCL's response and issued a letter dated 4/24/2024. LEA received a Final Construction Report for the TMP installation dated 5/3/2024.

Mitigation Measure #2 - Cover

- **#2A** – LEA received a memorandum letter from Tetra Tech dated 4/19/2024 that CCL's schedule for installation of Geomembrane Cover has been delayed and cannot meet the 4/26/2024 completion date. The LEA issued a response letter dated 5/10/2024 that the CCL shall revise the proposed schedule and submit to the LEA by 5/14/2024.
- **#2B** – LEA received CCL's response letter dated 4/16/2024 which provided CCL's second revised written plan for documenting and tracking cover issues. LEA issued a response letter dated 5/2/2024 to include the following information as detailed in the response letter. CCL may submit on the second Tuesday of each month as proposed by CCL, beginning 5/14/2024.

Mitigation Measure #3 - Slope Stability Analysis

- LEA received the Slope Stability Analysis dated May 2024. It is currently being reviewed by LEA and CalRecycle.

Mitigation Measure #4 - Manufacturer Maximum Temperature Design Specifications

- Further action pending results of temperatures at the monitoring probes.

27CCR Section 20921 – Gas Monitoring and Control

LEA issued a response letter dated 5/8/2024 and determined CCL's Remediation Plan was adequate contingent on compliance measures noted in the enclosed CalRecycle letter. If compliance is not achieved within the 120-day monitoring period, then a new remediation plan must be submitted to the LEA for review and approval.

The following was observed during the periodic inspection:

Disposal Facility (Site) Inspection Report (52)
Chiquita Canyon Sanitary Landfill (19-AA-0052)
4/30/2024

- Observed using fans for odor control measures at the workface and at areas during drilling activities. Also using misters at the top deck and west slope areas.
- Water truck used for dust control measures. Water was sprayed from truck onto haul roads.
- Geomembrane cover liner was actively being installed/layed down onto the slopes at the north area.
- Hand loads/non-commercial workface was open and operating. Observed a loadcheck from waste being disposed from a small truck. There were no hazardous wastes at the time of the loadcheck. No issues or concerns.
- No leachate observed at time of inspection.
- Methane gas readings were conducted at perimeter monitoring wells – Gp-24, GP-10, GP-9, and GP-6. See attached monitoring log sheet for results.
- CCL continues to provide weekly probe readings which results in methane exceedance above 5% by volume for probes GP-13 and GP-15.
- Review of site records and log books were satisfactorily maintained and updated.
- A copy of the inspection report will be emailed to Steve Cassulo, Nicole Ward and Amanda Froman.

SB1383: Short-lived Climate Pollutants (SCLP): Organic waste methane emissions reductions. Effective January 1, 2022, the LEA is enforcing implementation and reporting requirements pursuant to SB1383.

Attachments

Gas Monitoring Log Sheet

Attachment D



Los Angeles Regional Water Quality Control Board

June 27, 2024

Steve Cassulo
Waste Connections, Inc.
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

**VIA CERTIFIED MAIL
RETURN RECEIPT REQUESTED
CLAIM NO. 9589 0710 5270 0590 4720 62**

Dan Schooler
Legally Responsible Person
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

**VIA CERTIFIED MAIL
RETURN RECEIPT REQUESTED
CLAIM NO. 9589 0710 5270 0590 4720 79**

Becky De George
Agent for Service of Process
1505 Corporation, CSC –
Lawyers Incorporating Service
2710 Gateway Oaks Drive
Sacramento, CA 95833

**VIA CERTIFIED MAIL
RETURN RECEIPT REQUESTED
CLAIM NO. 9589 0710 5270 0590 4720 86**

**NOTICE OF VIOLATION: FAILURE TO COMPLY WITH CALIFORNIA WATER CODE
SECTION 13267 AND 13383 ORDER – CHIQUITA CANYON LANDFILL, 29201 HENRY
MAYO DRIVE, CASTAIC, CALIFORNIA (WDID NO. 4 19I022488)**

Dear Steve Cassulo, Becky De George, and Dan Schooler:

The California Regional Water Quality Control, Los Angeles Region (Los Angeles Water Board) is the public agency with the primary responsibilities to protect ground and surface water quality for all beneficial uses within major portions of Los Angeles and Ventura Counties.

On March 20, 2024, pursuant to California Water Code (CWC) sections 13267 and 13383, the Los Angeles Water Board directed Waste Connections, Inc. and Chiquita Canyon LLC, which is a wholly-owned subsidiary of Waste Connections, Inc., (hereinafter together as the Discharger) to submit a technical report no later than April 22, 2024, for the investigation of potential surface water and groundwater impacts due to current conditions at the Chiquita Canyon Landfill (Order).

The Discharger submitted a technical report including a workplan in response to the Order on April 22, 2024. However, based on review of the submittal by Los Angeles Water Board staff, the Discharger failed to fully comply with the requirements of the Order, as detailed below.

NORMA CAMACHO, CHAIR | SUSANA ARREDONDO, EXECUTIVE OFFICER

13267 Order Violation:

1. The workplan submitted on April 22, 2022, does not include installation of an offsite groundwater monitoring well, between the southern border of the Landfill and the Santa Clara River. The installation of an offsite groundwater well is required to gauge whether there has been a discharge to groundwater beyond the property boundary of the Landfill.

13383 Order Violations:

1. The 13383 Order requires the Landfill to submit a 30-day report for storms that produce a discharge into the sedimentation basin even if they do not result in a discharge from the basin. This information is necessary to determine the efficacy of the geosynthetic cover installed over the area impacted by the reaction in preventing leachate from commingling with stormwater. The Los Angeles Water Board received only two 30-day reports for storms that produced a discharge into the sedimentation basins. The April 29, 2024, report includes information on the storms that took place on March 30, 2024 (0.02 inches¹), and on April 5, 2024 (0.01 inches). The May 13, 2024, report includes information on the storm that took place on April 13, 2024 (0.39 inches). However, the Landfill experienced additional storms on April 8 (0.26 inches), April 14 (0.49 inches), April 15 (0.01 inches), April 22 (0.01 inches), May 4 (0.01 inches), and May 5, 2024 (0.04 inches). These additional storms were similar in volume and in some cases higher in volume to the ones reported in the April 29, 2024, and the May 13, 2024, reports but these additional 30-day reports were not submitted to the Los Angeles Water Board. Additionally, the 30-day reports submitted to the Los Angeles Water Board did not provide information on the efficacy of the geosynthetic membrane at preventing leachate from commingling with stormwater. The reports briefly discuss the membrane's efficacy at preventing odors and erosion. The brief discussion in each of the reports is unsubstantiated and does not comply with ordered item (h) in the 13383 Order regarding the efficacy of the membrane at preventing leachate commingling with stormwater.
2. The submittal dated April 22, 2024, did not include documentation proving implementation and maintenance of best management practices that would prevent leachate commingling with stormwater runoff in onsite drainage channels, or drain inlets to the south sedimentation basin. The submittal only included the list of steps that the Landfill will follow to prevent the commingling of leachate with stormwater runoff. These steps are useful but the documentation proving their implementation is necessary to comply with ordered item (h) in the 13383 Order.
3. The updated Stormwater Pollution Prevention Plan in general meets the requirement of ordered item (i) in the 13383 Order. However, the updated SWPPP should include the time schedule for each phase of the installation of the geosynthetic membrane since it is being installed in phases and the time schedule for any best management practices that are planned but not yet implemented. The Discharger also needs to ensure that visual observations required to comply with the General Permit for Stormwater Discharges Associated with Industrial Activities Section XI.A. include observations on the integrity of the geosynthetic membrane and any additional best management practices implemented so that corrective actions that are needed are implemented as soon as possible.

¹ The number of inches for each storm experienced by the Landfill was obtained from Ms. Nicole Ward of the Landfill, in an email communication to Scott Landon dated May 9, 2024

4. The Discharger submitted monitoring data for discharges into and out of the south basin for March 30 (0.02 inches), April 5 (0.01 inches), and April 13, 2024 (0.39 inches). However, based on the amount of rain experienced by the Landfill on these dates and their similarities to the amount of rain on April 8 (0.26 inches), April 14 (0.49 inches), April 15 (0.01 inches), April 22 (0.01 inches), May 4 (0.01 inches), and May 5, 2024 (0.04 inches), monitoring data for these dates should have been collected and submitted to the Los Angeles Water Board.

The Discharger is required to take the following actions immediately to come into compliance with the Water Code section 13267 requirements of the Order:

Submit a revised workplan that includes the installation of an offsite groundwater monitoring well between the southern border of the Landfill and the Santa Clara River.

Subject to the following clarifications, implement the workplan related to the installation of two onsite monitoring wells as proposed in your submittal:

- Per 1.d of the Order, the Discharger shall complete installation of the new groundwater monitoring wells and begin quarterly monitoring of the most current list of Monitoring Parameters (MPars) in the new groundwater monitoring wells by **August 27, 2024**.
- Per 1.e of the Order, the Permittee shall complete installation of the new groundwater monitoring wells and conduct a full scan for Appendix II Constituents in 40 CFR, part 258 in the new groundwater monitoring wells by **August 27, 2024**, followed by biennial testing of the Appendix II Constituents.
- Per 1.f. of the Order, the Los Angeles Water Board expects that the first quarterly report of the sampling results from the new groundwater monitoring wells will be submitted with the quarterly report due on **October 15, 2024**.
- Per 1.f. of the Order, the Los Angeles Water Board expects that the first quarterly report on the integrity of the bottom liner and LCRS within the Reaction Area will be submitted with the quarterly report due on **July 15, 2024**.
- For the liner integrity analysis, the Discharger shall review as-built information for all exploratory borings, gas wells, and temperature probes in the Main Canyon area of the Landfill to identify those that were constructed to a depth within 40 feet above the composite liner system (i.e., the bottom of the operations layer component). All borings, wells, or probes identified shall be presented in map view and as-built details shall be summarized in a spreadsheet format. For the borings, wells, or probes identified, as well as all sumps in the Main Canyon area, the Discharger shall collect all temperature related information available. The data shall include temperature information measured for wastes, liquids, and gases and shall be plotted as applicable. Temperature profiles shall be presented with depth of refuse and/or time series plots starting three months prior to the earliest indication of the start of the subsurface smoldering reaction.
- In addition to defining where the liner is experiencing elevated temperatures associated with the subsurface smoldering reaction, the liner integrity evaluation

shall quantify the direction and rate of travel of the reaction based on all available parameters including temperature monitoring, landfill gas speciation and generation rates, leachate generation rates, subsidence rates, and evidence of distress to the existing intermediate cover.

- As a component of the LCRS integrity assessment, the report shall include time series plots, correlated spatially for each cell to the degree possible, of leachate temperature measurements and leachate generation / removal rates.
- The Discharger shall submit all scheduled reports required in the Order electronically, in accordance with 23 CCR section 3890 et. Seq., or as directed by the Los Angeles Water Board Executive Officer. Until directed otherwise by the Executive Officer, all reports shall be submitted to the State Board GeoTracker data system in searchable Portable Document Format (PDF) files (Geotracker Global ID. L10003464243). In addition, all groundwater analytical data and monitoring well locations shall be submitted to GeoTracker in electronic data format (EDF). Documents that cannot be conveniently reviewed in electronic format, such as large maps or drawings, shall be submitted as hard copies to the Los Angeles Water Board office as instructed by staff.

The Discharger is required to take the following actions immediately to come into compliance with the Water Code section 13383 requirements of the Order:

By **July 27, 2024**, submit the following to the Los Angeles Water Board:

- Provide the missing 30-day reports related to the storms that occurred on April 8 (0.26 inches), April 14 (0.49 inches), April 15 (0.01 inches), April 22 (0.01 inches), May 4 (0.01 inches), and May 5, 2024 (0.04 inches). If the sampling did not occur, provide justification as to why the assessments were not conducted and the reports not submitted.
- Provide documentation proving implementation and maintenance of best management practices that would prevent leachate commingling with stormwater runoff in onsite drainage channels or drain inlets to the south sedimentation basin.
- Update the Landfill's SWPPP to include the time schedule for each phase of the installation of the geosynthetic membrane since it is being installed in phases. The Landfill also needs to ensure that visual observations required to comply with the General Permit for Stormwater Discharges Associated with Industrial Activities Section XI.A. include observations on the integrity of the geosynthetic membrane so that corrective actions that are needed are implemented as soon as needed.
- Provide the monitoring data from all discharges into the south detention basin and data of all discharges out of the south detention basin for the storms that occurred on April 8 (0.26 inches), April 14 (0.49 inches), April 15 (0.01 inches), April 22 (0.01 inches), May 4 (0.01 inches), and May 5, 2024 (0.04 inches). If the samples of discharges were not collected and analyzed, provide justification and a commitment that moving forward samples of all discharges into the south detention basin and samples of all discharges out of the south detention basin will be collected, analyzed and the data submitted to the Los Angeles Water Board.

These violations may subject to the Discharger to enforcement, including imposition of administrative civil liabilities of up to ten thousand dollars (\$10,000) per day of violation pursuant to Water Code section 13385 and one thousand dollars (\$1,000) per day of violation pursuant to Water Code section 13267. These administrative civil liabilities may be assessed by the Los Angeles Water Board beginning with the date that the violations first occurred. The Los Angeles Water Board may also refer this matter to the Attorney General's Office for further enforcement. This notice shall not be deemed to relieve the facility of liability for any penalties that may have already accrued. The Los Angeles Water Board reserves the right to take any further enforcement action authorized by law.

If you need assistance or have questions regarding this notice, please contact Los Angeles Water Board staff. Questions related to the Water Code section 13267 requirements may be directed to Doug Cross at douglas.cross@waterboards.ca.gov. Questions related to the Water Code section 13383 requirements may be directed to Pavlova Vitale at pavlova.vitale@waterboards.ca.gov.

Sincerely,

Jenny Newman
Assistant Executive Officer

cc: (via email)

Joe Baiocco, County of Los Angeles
Thanne Berg, United States Environmental Protection Agency
Emel Wadhwani, California Environmental Protection Agency
Shikari Nakagawa-Ota, Los Angeles County, Environmental Protection Branch
Dorcus Hanson-Lugo, Los Angeles County Department of Public Health
Karen Gork, Los Angeles County Department of Public Health
Karlo Manalo, Los Angeles County Department of Public Works
Ramon Herman, Los Angeles County Department of Public Works
Wes Mindermann, California Department of Resources Recycling and Recovery
Janelle Heinzler, California Department of Resources Recycling and Recovery
Jeff Lindberg, California Air Resources Board
Vanessa Aguila, California Air Resources Board
Jack Cheng, South Coast Air Quality Management District
Larry Israel, South Coast Air Quality Management District
Abigail DeSesa
Sarah Olaguez
Lynne Plambeck, SCOPE
Bob Lewis, Chiquita Canyon Landfill Community Advisory Committee

Attachment E



LOS ANGELES COUNTY DEPARTMENT OF PUBLIC HEALTH
SOLID WASTE MANAGEMENT PROGRAM
ACTING AS THE LOCAL ENFORCEMENT AGENCY (LEA)
5050 COMMERCE DRIVE, BALDWIN PARK, CA 91706

IN THE MATTER OF:

CHIQUITA CANYON SANITARY LANDFILL

29201 HENRY MAYO DRIVE

CASTAIC, CA 91384

APN: 3271-002-011, 3271-002-013, 3271-002-019,

3271-002-036, 3271-002-039, 3271-005-034

SWIS# 19-AA-0052

OWNER/OPERATOR

CHIQUITA CANYON, LLC (RESPONDENT)

29201 HENRY MAYO DRIVE

CASTAIC, CA 91384

BY CERTIFIED MAIL AND ELECTRONIC COPY

CERTIFIED MAIL: 91 7199 9991 7037 9753 6218

COMPLIANCE ORDER

PUBLIC RESOURCES CODE SECTIONS

43209, 44106, 45000, 45005, 45011, 45014,

45017, 45023; TITLE 27 OF THE CALIFORNIA

CODE OF REGULATIONS (27 CCR),

SECTIONS, 20750, AND 20921; AND TITLE 14

OF THE CALIFORNIA CODE OF

REGULATIONS (14 CCR), SECTIONS 18304

AND 18304.1, 18304.3, 18365

DATE: June 6, 2024

TO: CHIQUITA CANYON, LLC

YOU ARE HEREBY ORDERED TO:

TAKE ALL ACTIONS AND ABIDE BY ALL OTHER ORDERS CONTAINED HEREIN

AT THE CHIQUITA CANYON LANDFILL EFFECTIVE IMMEDIATELY.

1.0 PLEASE TAKE NOTICE:

1.1 The Los Angeles County Department of Public Health, Solid Waste Management Program, acting as the Local Enforcement Agency (LEA), is authorized by Division 30 of the

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Public Resources Code (PRC), §§ 43209 and 45000, and Title 14 of the California Code of Regulations (14 CCR), to enforce applicable solid waste regulations within the County of Los Angeles; and,

1.2 Division 30 Part 5 of the PRC and 14 CCR §§ 18304 and 18304.1 authorize the LEA to issue enforcement orders for violations of the PRC and regulations adopted pursuant to Division 30 of the PRC; and

1.3 Chiquita Canyon Sanitary Landfill (Site) is a permitted sanitary landfill located on parcel APNs 3271-002-011, -013, -019, -036, -039, and 3271-005-034 with an address of 29201 Henry Mayo Drive, Castaic, California, 91384, in the County of Los Angeles, and identified by Solid Waste Information System (SWIS) No. 19-AA-0052; and

1.4 Respondent, Chiquita Canyon, LLC, (CCL), is the operator and Responsible Party (RP) for noncompliance with state minimum standards. Specifically, 27 CCR, Sections 20921 and 20750 have been noted monthly on LEA inspection reports to date beginning September 1, 2023, and November 28, 2023, respectively, and are described in the paragraphs below.

2.0 STATMENT OF FACTS PERTAINING TO 27 CCR SECTION 20750:

2.1 On August 10, 2023, the LEA requested the California Department of Resources, Recycling and Recovery (CalRecycle) to provide technical expertise and assistance in determining root cause and mitigation strategies for multiple issues identified at the Site by the LEA and other regulatory agencies, such as elevated well temperatures, increased landfill gas (LFG) emissions (odor), and unusual landfill settlement.¹

¹ CalRecycle provides comments to the LEA as assistance to support the program carrying out its responsibilities on permitted disposal sites. The final determination as to the comments provided to the responsible party is within the sole purview of the LEA, acting within the parameters of its discretion, in accordance with its vested authority under its certification as defined in 14 CCR, Division 7, 27 CCR, Division 2, Subdivision 1 (Section 20005 et seq.), and Division 30 of the PRC.

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2.2 CalRecycle issued a letter dated October 16, 2023 (October 16, 2023 CalRecycle Letter) to the LEA containing its review of the conditions that are causing the issues at the Site. CalRecycle conducted a comprehensive review of 18 months of Site records, and LFG data in the impacted area and around the general vicinity of the impacted area. The review focused on the Site's carbon monoxide concentrations, recent LFG temperatures, LFG control system operation, and other operational factors. The review determined that the Site sustained conditions over the past 18 months that include, but are not limited, to:

- Cover integrity issues;
- Increased temperatures and pressures in the LFG control systems and waste mass;
- Unusual landfill settlement;
- A heating/smoldering event that is expanding in size and intensity.

2.3 CalRecycle concluded that "conditions at CCL are causing additional pressure, odors, elevated leachate temperatures, and damage to the gas extraction system." To reduce the odors and better define the reaction, CalRecycle recommended 15 mitigation actions as part of the review.

2.4 On October 17, 2023, the LEA issued a letter (October 17, 2023 LEA Letter) requesting that CCL provide a written response and timeline to address the recent conditions sustained by CCL in the prior 18 months and the 15 recommended corrective and mitigation actions from the October 16, 2023 CalRecycle Letter by October 20, 2023.

2.5 CCL responded on October 20, 2023 (October 20, 2023 CCL Response) as instructed by the LEA. CCL addressed the 15 recommended mitigation actions, many of which according to CCL, were included in the South Coast Air Quality Management District's (SCAQMD) Stipulated Order for Abatement (SOFA).

2.6 The LEA requested CalRecycle's technical review of the October 20, 2023 CCL Response. As part of the review, CalRecycle visited the Site on November 2, 2023. Staff from the LEA, SCAQMD, Los Angeles Regional Water Quality Control Board (LARWQCB), Department of Toxic Substances Control (DTSC), and the United States Environmental Protection Agency (USEPA) toured the Site with CCL staff.



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2.7 On November 14, 2023, CalRecycle issued a letter (November 14, 2023 CalRecycle Letter) to the LEA based on the November 2, 2023 Site visit and the additional information provided in the October 20, 2023 CCL Response. CalRecycle's letter provided a cause analysis, comments to CCL's response to recommended mitigation actions (2, 8, 9 and 13) and further recommendations. Regarding recommended mitigation action 2, CalRecycle concluded that the current intermediate cover should not be viewed as adequate to minimize odors.

2.8 On November 21, 2023, the LEA issued a letter (November 21, 2023 LEA Letter) requiring that CCL perform four mitigation measures (Mitigation Measure 1A, 1B, 2A, 2B, 3 and 4) recommended in the November 14, 2023 CalRecycle Letter and October 16, 2023 CalRecycle Letter. The LEA directed that CCL provide a written response by Wednesday, December 6, 2023, and submit the required plan, data, and report by the due dates indicated in the letter.

2.9 The four mitigation measures listed in the November 21, 2023 LEA Letter that are required to correct the violation of 27 CCR § 20750 are described below.

Mitigation Measure 1 A & 1B – Soil Reaction Break/Barrier

2.10 CCL must provide a plan to construct a soil reaction break/barrier at a predesignated area(s) if the reaction reaches a determined action line. The plan is due to the LEA for approval no later than two weeks after installing temperature monitoring devices.

A. Develop a soil reaction break/barrier plan and propose a set of criteria that would require CCL to install a soil reaction break/barrier between the reaction and operational areas of the landfill. (Mitigation Measure 1A)

B. To obtain necessary data to determine the action line, CCL needs to collect data regarding intensity, depth, speed and direction of the reaction. It is imperative that CCL installs temperature monitoring devices by January 8, 2024. (Mitigation Measure 1B)

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Mitigation Measure 2 A & 2B - Cover

2.11 Because of the ongoing reaction, the cover that is currently in place is not adequate and not performing to the standards to maintain the site in reasonable repair.

A. Place and compact a minimum cover of 24 inches of 1×10^{-6} low permeability soil in and around the reaction settlement area and any well showing signs of a reaction by December 14, 2023. (Mitigation Measure 2A)

B. Develop a written plan that includes documentation and tracking of the fissures, settlement and tension cracks in the soil cover for LEA review and approval by December 6, 2023. The written plan needs to include a photo log of the fissure location including length and severity. Upon LEA approval, CCL must submit a weekly report to the LEA by each Tuesday. (Mitigation Measure 2B)

Mitigation Measure 3 - Slope Stability Analysis

2.12 Given the prior slope instability on the western slope near the leachate outbreak, CCL shall perform a slope stability analysis in the same area for LEA review, as saturated waste has very low shear strength. Submit a workplan with a timeline for LEA review and approval by December 14, 2023.

Mitigation Measure 4 – Manufacturer Maximum Design Specifications

2.13 CCL needs to collect temperatures in and around the reaction area to meet the manufacturer's temperature design specification/recommendations to ensure that the French drain does not fail due to elevated temperature of the leachate soon after installation, leaving leachate seepage without control at the site. This additional step is necessary because of the ongoing reaction and to ensure that the public does not come into contact with leachate.

2.14 On November 28, 2023, the LEA conducted a periodic inspection that noted a violation of 27 CCR § 20750-Site Maintenance and referred to the November 21, 2023 LEA Letter's four mitigation measures as a means to assist with correcting the violation. The LEA periodic inspection reports dated November 28, December 19, 2023, January 17, February 7,

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March 26, and April 30, 2024 have also noted the violation of 27 CCR § 20750. The violation noted on the report is described below.

Pursuant to 27 CCR § 20750, the operator shall implement a preventative maintenance program to monitor and promptly repair or correct defective conditions with respect to requirements of the CIWMB [California Integrated Waste Management Board, currently CalRecycle] standards, and conditions established by the EA [Enforcement Agency (LEA)]. All other aspects of the disposal site shall be kept in a state of reasonable repair.

Due to leachate outbreaks and stability issues with leachate saturated slope and waste, the issues with high temperatures, LFG collection, excessive leachate production, and unusual and large-scale settlement, the LEA required CCL to complete the following actions listed in the November 21, 2023 LEA Letter, as recommended by CalRecycle after the site inspection on November 2, 2023 and records review.

CCL's compliance status pertaining to 27 CCR § 20750 is subcategorized by mitigation measure and discussed below.

Mitigation Measure 1 A – Soil Reaction Break/Barrier Plan

2.15 On December 6, 2023, the LEA received a letter from CCL (December 6, 2023 CCL Response) in response to the November 21, 2023 LEA Letter. CCL responded to Mitigation Measure 1A by stating they would prepare a soil reaction break/barrier plan and propose a set of criteria that would require CCL to install the break/barrier by the LEA-provided deadline. CCL also stated that it does not believe that such a break/barrier is necessary or feasible, however, CCL did not provide any data to support CCL's belief.

2.16 On April 5, 2024, the LEA issued a letter to CCL (April 5, 2024 LEA Letter) stating the TMP and LFG collection well data, specifically carbon monoxide (CO) and hydrogen (H₂) are imperative for determining an action line, in which, if the reaction reaches a predesignated criteria then it would trigger implementation of an approved Soil Reaction

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Break/Barrier Plan. Directives 1 and 2 pertain to the installation of Mitigation Measure 1B and are discussed in the corresponding section. Directives 3 through 6 apply to the Soil Reaction Break/Barrier Plan (Mitigation Measure 1A) and are described below.

Directive 3: Provide waste photographs, boring logs and temperature logs to the LEA by April 12, 2024, for all LFG collection wells installed since June 2023.

Directive 4: Submit LFG data for all gas collection wells in the reaction area and wells 200 feet outside of the reaction area to the LEA by April 12, 2024.

Directive 5: Submit CO and H₂ readings for all gas collection wells in the reaction area and wells 200 feet outside of the reaction area to establish a baseline using Method ASTM D1946 in summa cans by May 6, 2024.

Directive 6: Submit monthly CO and H₂ data from a set of gas wells selected by the LEA after the baseline sampling is completed and recorded on a site map. Submit the lab data for all LFG data. Once a set of wells are selected, monthly LFG data shall be collected and submitted to the LEA, including a discussion of the LFG data and graphic showing CO and H₂ trends over time.

2.17 The April 5, 2024 LEA Letter provided a new deadline to submit the Soil Reaction Break/Barrier Plan, at least 10 days after gathering all the necessary data, rather than two weeks after the installation of the TMPs as per the November 21, 2023 LEA Letter. Lastly, the letter also stated that as an alternative option, CCL may submit a study to the LEA to assure the reaction is no longer a concern to public health, safety and the environment, if CCL chose to do so.

2.18 On April 12, 2024, the LEA received a response from CCL (April 12, 2024 CCL Response) to Directive 3 and 4 of the April 5, 2024 LEA Letter, and a Soil Reaction Break/Barrier Plan dated March 27, 2024 (March 27, 2024 Plan). The April 12, 2024 CCL Response is pending LEA review.

2.19 The LEA determined that the March 27, 2024 Plan was deficient and did not adequately address Mitigation Measure 1A requirements as described in the November 21, 2023 LEA Letter and the April 5, 2023 LEA Letter, and it was therefore rejected by the LEA in a



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letter dated May 3, 2024 (May 3, 2024 LEA Letter).

2.20 Prior to issuance of the May 3, 2024 LEA Letter, the LEA held a virtual meeting with CCL and CalRecycle on April 23, 2024, to discuss the need for a revised plan from CCL to adequately address the construction of a soil reaction break/barrier. The *CCL Barrier Discussion* presentation and *Isolation Break Criteria Example* document presented by CalRecycle at the meeting were provided to CCL via email on the same day.

2.21 As per the May 3, 2024 LEA Letter, CCL is required to submit a revised Soil Reaction Break/Barrier Plan to the LEA for review and approval within 10 days after gathering necessary data from the TMPs and LFG collection wells (refer to the April 5, 2024 LEA Letter). The data from the TMPs and LFG collection wells should be used to draft the revised plan and address the following:

1. Installation of an air/soil break that separates the waste with either an inert material or air.

2. Investigate how each cell or phase was constructed and examine if soil breaks between cells/phases can be exploited. The investigation should include a review of where haul roads were constructed to determine if the inert roads can also be used as fuel breaks. Information from the investigation should be used to develop where containment breaks should be placed.

3. Propose a set of criteria for the primary and secondary engagement lines and the type of reaction breaks/barriers and/or mitigations. These criteria shall be based on temperature, CO, and possibly settlement rate. The primary engagement lines should be designed to prevent the reaction from spreading into the main fill which is close to the reaction. The secondary line should prevent the reaction from entering the eastern and southern fill areas at the toe of the slope.

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4. Construction of reaction breaks in the main 160-acre fill area for the reaction of the engagement lines. The reaction break plans should include timelines and method of construction. The timelines and engagement lines should match.

5. Include the construction of reaction breaks/barrier between Canyon C, A, D, and Cell 5 in the event the reaction reaches the secondary engagement lines.

6. Use best available technology, such as grout injection, to slow or contain reaction movement to the south and east.

7. Description of the criteria that will mandate the temporary suspension of placing new waste.

CCL may submit an alternative plan to the LEA for review, only if such plan is adequately supported by substantive data and studies and provides assurances to the LEA that the reaction is no longer a threat to public health, safety and the environment.

2.22 On May 8, 2024, the LEA received the CO and H₂ data (May 8, 2024 Data) in response to Directive 5 of the April 5, 2024 LEA Letter which required CCL to submit CO and H₂ readings for all gas collection wells in the reaction area and wells 200 feet outside the reaction area by May 6, 2024.

2.23 On May 28, 2024, the LEA issued a response to CCL (May 28, 2024 LEA Letter) stating that the May 8, 2024 Data submittal is inadequate due to missing information. CCL was directed to resubmit the data as a standalone report with the gas data presented in a table, a summary of the sampling, including a map showing the reaction area as it is currently defined, description of the gas sampling performed, Quality Assurance/Quality Control (QA/QC) data (e.g., field and laboratory QA/QC samples and data including any flags), and proposed holding times, etc., with the signature of qualified person or licensed engineer by June 6, 2024.

Mitigation Measure 1B – Temperature Monitoring Probes

2.24 In the December 6, 2023 CCL Response to the November 21, 2023 LEA Letter, CCL

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agreed to install TMPs with a request for further clarification from the LEA on this requirement.

2.25 In order to collect data regarding intensity, depth, speed and direction of the reaction, the LEA required CCL to install TMPs. The November 21, 2023 LEA Letter provided recommended locations for the installation of 21 TMPs by January 8, 2024.

2.26 On December 6, 2023, the LEA, CalRecycle and CCL staff met to discuss TMPs per CCL's December 1, 2023 email request. CCL requested further clarification regarding probe locations, probe depths, and probe type.

2.27 On December 20, 2023, the LEA received the Landfill Reaction Area Temperature Monitoring Plan (December 20, 2023 Plan) from CCL for the installation of 20 TMPs and notification that the deadline of January 8, 2024 was not attainable. CCL proposed a new deadline of March 2024 to complete the installation based on availability of the materials, equipment, and the contractor.

2.28 On December 22, 2023, the LEA issued a letter (December 22, 2023 LEA Letter) accepting with conditions the December 20, 2023 Plan with conditions. Conditions included the submittal of design specifications and a typical design detail drawing of the TMPs, with specified probe depths, by February 15, 2024.

2.29 On January 2, 2024, the LEA received a letter from CCL (January 2, 2024 CCL Letter) with design specifications and design detail drawings for the TMPs. CCL agreed to meet the February 15, 2024 deadline, barring weather, material deliveries, health and safety, and permitting delays. CCL confirmed they would provide the LEA with weekly updates on the status of material deliveries and installation schedule.

2.30 On January 10, 2024 a virtual meeting was held between the CCL, the LEA and CalRecycle for a technical discussion. The LEA directed CCL to submit revised design specifications and design detail drawings for the TMPs to include the required depth intervals.

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2.31 On January 17, 2024, the LEA received a letter from CCL (January 17, 2024 CCL Letter) with a revised design specification and design detail drawings and depth intervals for the TMPs that were discussed during the January 10, 2024 meeting.

2.32 On January 19, 2024, CCL, the LEA, and CalRecycle met and discussed the telemetry system that will be used to record temperature data.

2.33 On January 29, 2024, the LEA issued a letter (January 29, 2024 LEA Letter) accepting the revised design specification and design detailed drawings for the TMPs. The LEA approved the latest schedule to install the TMPs by February 29, 2024 based on the January 11, 2024 weekly update from CCL regarding the material deliveries and revised installation schedule. In addition, as per the meeting on January 19, 2024, the LEA specified due date of February 8, 2024 for CCL to submit the specifications of the telemetry system that will be used to record temperature data.

2.34 On February 26, 2024, the LEA issued a letter to CCL (February 26, 2024 LEA Letter) regarding delays that CCL reported in the weekly status updates received through February 22, 2024. CCL stated that due to delays caused by rain events and for safety reasons, the completion time for drilling for TMP installation was estimated to be an additional 6-7 weeks. The LEA directed CCL to provide a written response by February 29, 2024 (current due date for completion of the TMP installation) that includes an updated construction schedule that details an accurate timeline for the installation of the TMPs, weekly goals for the installation, and what efforts and resources (such as additional equipment and workforce) are being implemented to expedite the work and meet the proposed timelines.

2.35 On February 29, 2024, the LEA received a response from CCL (February 29, 2024 CCL Letter) providing justification for delays and a new schedule for the installation of the TMPs. Due to weather conditions or related safety concerns, the anticipated completion date was extended from February 29, 2024 to April 4, 2024, weather permitting.

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2.36 On March 4, 2024, the LEA, CalRecycle and CCL staff met virtually to discuss issues with TMP installation to planned depths. The LEA and CalRecycle advised that CCL should install to the depth allowable and focus on getting the TMPs installed so that CCL can begin gathering data. The LEA also pointed out a typographical error and the lack of an official time extension request in the February 29, 2024 CCL Letter.

2.37 On March 4, 2024, the LEA received a revised response letter (March 4, 2024 CCL Letter) officially requesting modification to the timeline for TMP installation and correcting the typographical error noted in para. 2.36.

2.38 March 20, 2024, the LEA issued an approval (March 20, 2024 LEA Approval) to the modified schedule (March 4, 2024 CCL Letter) and April 4, 2024 completion date for the installation of TMPs, and directed CCL to continue to provide weekly updates on the progress of the installation of TMPs including any delays due to rain events or other special occurrence that may affect the modified schedule.

2.39 On March 20, 2024, the LEA issued a letter to CCL (March 20, 2024 LEA Letter) in response to a weekly update from CCL regarding the TMP installation received on March 14, 2024. The letter addressed the issues brought up by CCL that the well bores were saturated to the point that all five probes installed from March 11, 2024 through March 14, 2024 did not reach the proposed depth. The LEA determined that the adjustment to the remaining TMPs is necessary and required CCL to submit a report for the probe installation to the LEA by March 28, 2024 that would include: 1) an updated map showing the settlement area overlayed with the completed drilling locations, completed and proposed depths and remaining/planned drilling locations (if applicable), 2) drilling logs and 3) temperature logs of temperatures taken during drilling.

2.40 On March 28, 2024, LEA received the CCL report (March 28, 2024 Report) that stated the issues with achieving the proposed depths and a confirmation that sixteen (16) probes had been installed and were operational.

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2.41 On April 5, 2024, the LEA issued a letter (April 5, 2024 LEA Letter) directing CCL to: 1) relocate the planned installation for well TP-16 to an area outside of the reaction where drilling to the proposed depth may be feasible, and 2) submit a final construction report within 5 days of completion of the installation of all TMPs.

2.42 On April 10, 2024 virtual meeting was held between CCL, LEA and CalRecycle to discuss the progress of TMPs installation, the relocation of TMP TP-16 and TP-04, and the need for a formal extension request with justification for not meeting the April 4, 2024 deadline to complete installation of TMPs.

2.43 On April 12, 2024, LEA received the CCL's response (April 12, 2024 CCL Response) that addressed the two directives related to TMPs in the April 5, 2024 LEA Letter as well as items discussed during the April 10, 2024 meeting. CCL confirmed that it would submit weekly memorandum with temperature readings and analysis of those readings along with a summary and temperature graph of all TMPs to plot the trends of each TMP once the final construction report was completed.

2.44 On April 16, 2024, LEA received a letter from CCL (April 16, 2024 CCL Letter) to memorialize the April 10, 2024 virtual meeting and to request a time extension for the installation of TMPs to April 26, 2024 with justification that drilling operations for TMP installation were delayed due to saturated soil conditions from frequent rain events over the past two months and safety related concerns.

2.45 On April 24, 2024, LEA issued a letter to CCL (April 24, 2024 LEA Letter) accepting CCL's proposed timelines for TMP installation.

2.46 On May 3, 2024, the LEA received the Final Construction Report, 2024 Temperature Monitoring Probe Installation (May 3, 2024 CQA Report) as per Directive 2 of the April 5, 2024 LEA Letter.

2.47 On May 29, 2024, the LEA issued a response letter to the CQA Report (May 29, 2024 LEA Response) directing CCL to resubmit a CQA to the LEA by June 6, 2024 with a site

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map of the TMP's location, completion depth at each well, the reaction area as it is defined as of May 1, 2024, and a method (web-portal) for CCL to provide real-time access to temperature data to the LEA and CalRecycle. The temperature data included in the revised CQA Report was required to include the maximum weekly temperature recorded at each TMP, instead of or in addition to average weekly temperatures. Finally, the LEA advised that the revised CQA Report should include a signature and stamp of a licensed engineer to show all work can be clearly attributed to the licensee(s) in responsible charge of the work.

2.48 The May 29, 2024 LEA Response also addressed the weekly TMP reports and directed CCL to revise the weekly TMP reports with the weekly temperature readings to include graphs that show the maximum temperature recorded at each TMP instead of weekly average, as the criteria to implement a containment strategy must be based on maximum temperature readings and not an average temperature. The weekly TMP reports were also required to include the following additional details: a reaction map with the maximum observed temperature at each well with depth, a narrative describing any anomalies, outliers, data gaps, or malfunctions. The narrative must describe any temperature increases of 20°F or greater within 48 hours as stated in the April 5, 2024 LEA Letter and include an increase of 10°F in a week. The LEA advised that the weekly TMP reports should be a standalone document, and on the last weekly report for the month, CCL is directed to include a map that shows each TMP with color-coded observations based on the maximum observed temperature. CCL was required to submit revised weekly TMP reports beginning the week of June 2, 2024.

2.49 Additionally, the May 29, 2024 LEA Response specifically addressed the Weekly Cover Report dated May 14, 2024 that showed the reaction is extending south into areas outside the previously defined reaction area. To accurately track the reaction's progress, CCL was directed to install three specifically located temperature probes by June 12, 2024. CCL was reminded that while the settlement rate indicator is low, the reaction has advanced which



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requires the development of a plan to implement a containment strategy (Mitigation Measure 1A Soil Reaction Break/Barrier Plan).

2.50 A meeting was held on May 31, 2024 to discuss the directive in the May 29, 2024 LEA Response to add three TMPs. CCL stated that the settlement was misinterpreted in the Weekly Cover Report due to construction taking place in the area that showed settlement. Furthermore, CCL stated that there are TMPs near the subject area, planned LFG well installation in that area, and data that supports the reaction area is not expanding. LEA instructed CCL to reply by June 12, 2024, with installation plan, an alternate proposal or justification for no action based on information shared in meeting.

Mitigation Measure 2A – Geosynthetic Cover

2.51 In the December 6, 2023 CCL Response to the November 21, 2023 LEA Letter, CCL noted several concerns regarding the placement of soil and stated that an alternative proposal would be submitted to the LEA by December 8, 2023.

2.52 On December 8, 2023, the LEA received a Memorandum from CCL (December 8, 2023 CCL Memorandum) responding to the November 21, 2023 LEA Letter regarding the Mitigation Measure 2A requirement. The December 8, 2023 CCL Memorandum provided a description and timeline for two specific proposed alternatives to the additional cover as well as for the 24-inches of low permeability soil cover in and around the Reaction Settlement Area and any well showing signs of reaction as required by Mitigation Measure 2A: 1) Low Permeability Soil Cover, 2) Evaporative Soil Cover or 3) 12-mil Dura-Skrim Geosynthetic Cover (12-mil Cover).

2.53 On December 14, 2023, the LEA issued a response (December 14, 2023 LEA Letter) to the December 8, 2023 CCL Memorandum. The LEA advised CCL that although the placement of low permeability soil would be the most effective option to address the inadequacy of the existing cover over the reaction area, as it would prevent surface emissions of LFG while

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reducing oxygen infiltration. Because this option may take 12 weeks to implement which is the longest timeframe out of the three alternatives provided, it was no longer considered. Next, the proposed alternative to use an evaporative soil cover option using high permeability soil was deemed to be unacceptable as it would allow air, water, and LFG to migrate through the cover. CCL's proposed installation of the 12-mil Cover was the alternative that had the quickest installation timeline, within 5 weeks, and was an adequate option as a temporary measure to address cover conditions until the low permeability soil cover is added. Since the 12-mil Cover was not a long-term solution, CCL was required to install a more durable geosynthetic cover, 24-mil to 30-mil with welded seams, that will offer better performance and reduced maintenance. In short, the LEA recommended that CCL install the proposed 12-mil Cover now while it acquires low-permeability soil or opt to install a thicker and more durable geosynthetic cover between 24-mil to 30-mil with welded seams in lieu of the low permeability soil cover. A proposal for this option must be submitted to the LEA for review and approval.

2.54 On December 19, 2023 the LEA received a workplan from CCL (December 19, 2023 Plan) to install 30-mil high density polyethylene (HDPE) geosynthetic cover over the reaction settlement area.

2.55 On December 20, 2023, the LEA issued an approval (December 20, 2023 LEA Letter) on the condition that CCL submit the design specifications of the proposed geosynthetic cover pressure relief valves discussed in the December 19, 2023 Plan within 10 days.

2.56 On December 29, 2023, the LEA received a letter from CCL (December 29, 2023 CCL Letter) with the required information on the pressure relief valves.

2.57 On January 19, 2024, a meeting was held between CCL, LEA and CalRecycle to communicate that the pressure relief valves would not be approved by the LEA. Other methods to prevent potential LFG accumulation underneath the geosynthetic cover were discussed.

2.58 On January 23, 2024, the LEA received a letter from CCL (January 23, 2024

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CCL Letter) which stated that CCL no longer intended to install the pressure relief valves from the December 19, 2023 Plan. In addition, CCL provided an updated installation schedule for the 30-mil cover in the following order: 1) northerly portion of the western slope of the reaction area, 2) central portion of the western slope of the reaction area, 3) top deck of the reaction area and 4) north slope of the reaction area. Although CCL did not provide a specific date, the letter stated that installation of the cover was anticipated to take 8 weeks with an additional week for reporting. Lastly, CCL informed the LEA that it anticipated installing well boot seals on all wells located outside of the areas that will be covered with geosynthetic cover by February 16, 2024, and installing the remaining well boot seals as the geosynthetic cover is installed.

2.59 On January 26, 2024, the LEA issued a conditional approval (January 26, 2024 LEA Letter) in response to the January 23, 2024 CCL Letter. Per the conditions, in lieu of the pressure relief valves, CCL was to provide a system and procedure to ensure that LFG does not accumulate underneath the geosynthetic cover and to prioritize LFG extraction from the reaction area over other areas of the landfill, if necessary, by February 2, 2024. In addition, CCL was directed to submit weekly updates to the LEA on the geosynthetic cover installation (Weekly Geosynthetic Cover Updates) commencing the week of January 28, 2024 and complete the geosynthetic cover installation by March 25, 2024 (8 weeks from the start of cover installations as provided by the January 23, 2024 CCL Letter).

2.60 On February 2, 2024, the LEA received a response from CCL (February 2, 2024 CCL Letter) that adequately addressed all of the conditions listed in the January 26, 2024 LEA Letter as stated in the LEA response letter dated March 4, 2024 (March 4, 2024 LEA Letter).

2.61 To address ongoing delays documented in CCL's Weekly Geosynthetic Cover Updates received through February 23, 2024, the LEA issued the February 26, 2024 LEA Letter. CCL had reported delays caused by rain events and related safety issues without providing an update on the need for a revised installation schedule for the 30-mil geosynthetic cover. LEA

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instructed CCL to provide a written response by February 29, 2024 with an updated construction schedule that details an accurate timeline for the installation of the geosynthetic cover, weekly goals for the installation, and what efforts and resources (such as additional equipment and workforce) are being implemented to expedite the work and meet the proposed timeline.

2.62 The February 29, 2024 CCL Letter provided justification for delays and a new schedule for the installation of the geosynthetic cover. Due to weather conditions and related safety concerns, and an increase of the reaction area from 23.9 acres to 30 acres due to site conditions, the anticipated completion date was extended from March 25, 2024 to April 26, 2024, weather permitting. The submittal date for the completion report for the geosynthetic cover installation was consequently extended to May 3, 2024.

2.63 On March 4, 2024, LEA, CalRecycle and CCL staff met virtually and pointed out a typographical error with the compliance schedule and the lack of an official time extension request in the February 29, 2024 CCL Letter.

2.64 On March 4, 2024 CCL corrected the typographical error referred to in para. 2.63 and officially requested modification to the timeline for geosynthetic cover installation.

2.65 On March 20, 2024, the LEA issued an approval (March 20, 2024 LEA Letter) to the modified schedule and of the April 26, 2024 completion date for the installation of the 30-mil geosynthetic cover, and directed CCL to continue to provide weekly updates on the progress of the installation of the geosynthetic cover including any delays due to rain events or other special occurrence that may affect the modified schedule.

2.66 On April 19, 2024 the LEA received a memorandum from CCL (April 19, 2024 CCL Memorandum) that provided an updated geosynthetic coverage acreage, from 30 acres to 43.9 acres, and revised schedule for installation of the geosynthetic cover with, From April 26, 2024 to July 12, 2024. According to the memorandum, April 26, 2024 deadline could not be met due to

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delays related to concerns with wet weather, high winds, slope stability, and safety. The July 12, 2024 completion date did not include the replacement of the 12-mil Cover that is currently over the western slope with the 30-mil geosynthetic cover due to high leachate levels.

2.67 On May 10, 2024, the LEA issued a letter to CCL (May 10, 2024 LEA Letter) directing CCL to resubmit a revised schedule by May 14, 2024, that prioritizes the installation of the 30-mil geosynthetic cover in the reaction area (30 acres per the March 4, 2024 CCL Letter) over additional areas that CCL elected to also cover, and include a completion date for installation of the cover over the 30 acres, and a plan to manage the leachate at the western slope to allow for timely installation of the 30-mil geosynthetic cover.

2.68 On May 14, 2024, the LEA received two memorandums from CCL. One memorandum provided additional information on the need for the extended deadline of July 12, 2024, to complete the installation of the 30 acres of geosynthetic cover over the reaction area (May 14, 2024 CCL Updated Schedule). The other memorandum detailed the construction of a toe drain system to manage the leachate and allow for the installation of geosynthetic cover over the portion of the western slope currently covered by the 12-mil Cover. (May 14, 2024 CCL Plan).

2.69 On May 29, 2024, the LEA issued a letter to CCL (May 29, 2024 LEA Letter) stating that the May 14, 2024 CCL Updated Schedule is adequate, and required CCL to continue to provide weekly updates on the progress of the installation of the geosynthetic cover that include specific reasons for any further delays that may be due to rain events or other special occurrence that may affect the extended implementation of the new schedule. Also, the LEA determined the May 14, 2024 CCL Plan to be adequate contingent on the condition that CCL confirms waste temperatures are below the manufacturer's recommended maximum temperature limit of the proposed materials used.

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Mitigation Measure 2B - Cover Tracking

2.70 The December 6, 2023 CCL Response to the November 21, 2023 LEA Letter had no comment on Mitigation Measure 2B requirements and agreed to submit the required plan by the due date.

2.71 On December 6, 2023, the LEA received the Soil Cover Tracking Written Plan (December 6, 2023 Cover Tracking Plan) to monitor for fissures and cracks in the soil cover, collect and compile notes and pictures, and submit Weekly Cover Reports to the LEA. To track and document settlement, CCL proposed to use drones to document settlement on a biweekly basis.

2.72 On December 14, 2023, the LEA issued a letter (December 14, 2023 LEA Letter) requiring CCL to revise the December 6, 2023 Cover Tracking Plan to include response to issues that may arise with the geosynthetic cover, such as tears and where fill is needed to support the liner or maintain drainage, the necessary actions taken, and a photo log that has before and after pictures of the cover issues.

2.73 LEA received the Revised Plan dated December 21, 2023 (December 21, 2023 Revised Plan) that included documentation and tracking of issues related to the geosynthetic cover in addition to soil cover as well as a photo log of observations with before and after pictures.

2.74 On January 3, 2024, the LEA issued an approval (January 3, 2024 LEA Letter) to the December 21, 2023 Revised Plan and directed CCL submit Weekly Cover Reports starting January 9, 2024.

2.75 The LEA letter dated March 22, 2024 (March 22, 2024 LEA Letter), responded to the Slope Stability Analysis Report (Mitigation Measure 3) and addressed the Weekly Cover Reports. The LEA directed CCL to revise the Weekly Cover Reports to include a log with a summary and a map to track the documented fissures and tension cracks and to identify trends, to evaluate the documented series of fissures and tension cracks reported in recent Weekly Cover

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Reports from February and March 2024, and to include methods used to track the instability in the reaction area that is obscured by the geosynthetic cover.

2.76 On April 10, 2024, a virtual meeting was held between CCL, LEA and CalRecycle (April 10, 2024 Meeting) to discuss the status of Mitigation Measures 1-3 and the need for a second revision of the December 6, 2023 Cover Tracking Plan to address Mitigation Measure 2B. The LEA directed CCL to include in future weekly reports a section to document any instability events such as observations that led to CCL directing crews to cease work on the western slope mid-day March 20, 2024, because of concerns related to slope stability and pending the slope stability analysis report as per the March 22, 2022 Weekly Cover Report.

2.77 CCL submitted the second Revised Cover Tracking Plan dated April 16, 2024 (April 16, 2024 Revised Plan) that proposed to submit a map to identify and evaluate trends in the reported fissures and tension cracks. CCL proposed to perform daily visual inspections and bi-weekly drone flyovers, and other actions to track the instability of the reaction area obscured by the geosynthetic cover. In addition, CCL would include a profile of the western slope consisting of cross sections taken during the beginning and end of the month in the report.

2.78 On May 2, 2024, the LEA approved the second Revised Cover Tracking Plan (May 2, 2024 LEA Letter) and directed CCL to submit monthly reports starting May 14, 2024. The LEA also reminded CCL to include a section on stability issues as discussed during the April 10, 2024 Meeting.

2.79 The LEA issued a letter to CCL on May 29, 2024 (May 29, 2024 LEA Letter) to address, among other items, the Weekly Cover Reports dated May 10 and May 14, 2024, in which CCL made inaccurate statements that misrepresented the reason why the liner crews were removed from the western slope. The specific CCL statements were that "Landfill personnel were directed to cease normal activities on the western slope on or around March 20, 2024, because of the LEA's concerns regarding the potential slope stability and related safety

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concerns.” The LEA noted that CCL elected to remove crews without notifying the LEA for at least 48 hours, when the LEA received the March 22, 2024 Weekly Cover Report. CCL was directed to amend each the May 10 and 14, 2024 reports to reflect that CCL elected to move the liner crews because the crews noticed an additional bulge of waste at the toe of the slope. In addition, CCL was required to include slope stability concerns to the Weekly Cover Reports beginning June 4, 2024.

Mitigation Measure 3 – Slope Analysis

2.80 The December 6, 2023 CCL Response to the November 21, 2023 LEA Letter had no comment on the Mitigation Measure 3 requirement and agreed to submit a work plan with timeline by the due date.

2.81 CCL submitted the Slope Stability Analysis Workplan to the LEA on December 14, 2023 (December 2023 Slope Stability Analysis Plan).

2.82 On December 20, 2023, the LEA issued a letter accepting the December 2023 Slope Stability Analysis Plan with conditions. According to a timeline submitted by CCL, a Slope Stability Analysis Report would be submitted to the LEA by February 22, 2024.

2.83 The Slope Stability Analysis Report was received by the LEA on February 22, 2024 (February 2024 Slope Stability Analysis Report).

2.84 The March 22, 2024 LEA Letter in response to the February 2024 Slope Stability Analysis Report required CCL to perform additional analyses based on the current actual observed conditions of the waste and gas extraction wells. For example, the analysis in the February 2024 Slope Stability Analysis Report used peak shear strength instead of reduced shear strength. CCL was also directed to include a plan to monitor and record the temperature of the liner at the bottom of the landfill to verify and document that that there are no anticipated impacts to its the long-term performance given the potential exposure to high subsurface temperatures associated with the ongoing reaction. The plan regarding the liner was referred to the LARWQCB.

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2.85 On May 8, 2024, the LEA received a draft of the revised Slope Stability Analysis Report dated May 2024 (May 2024 Slope Stability Analysis Report). The report is currently under review.

Mitigation Measure 4 – Manufacturer Specifications

2.86 The December 6, 2023 CCL Response to the November 21, 2023 LEA Letter had no comment regarding Mitigation Measure 4 and agreed to comply with this mitigation measure.

2.87 The May 29, 2024 LEA Letter in response to the May 14, 2024 Plan to install a toe drain at the western slope directed CCL to confirm the waste temperatures are below the manufacturer's recommended maximum temperature limit of the proposed pipe materials. The letter guided CCL to use a forward-looking infrared camera to ensure the HDPE or other material can perform as designed within the recommended temperature limits.

3.0 STATEMENT OF FACTS PERTAINING TO VIOLATION 27 CCR § 20921:

3.1 Pursuant to 27 CCR Section 20921, in order to provide for the protection of public health and safety and the environment, the operator shall ensure that the concentration of methane gas migrating from the disposal site must not exceed 5% by volume in air at the disposal site permitted facility boundary or an alternative boundary approved in accordance with 27 CCR § 20925.

3.2 Beginning with the focused inspection dated September 1, 2023, periodic inspection reports dated September 19, October 25, November 28, December 19, 2023, January 17, February 7, March 26, and April 30, 2024, continue to note the violation for exceedance of methane as described below.

3.3 On September 1, 2023, the LEA measured the methane level at perimeter monitoring well GP-13 at above 5% by volume in air (bv), resulting in a violation of 27 CCR Section § 20921. CCL was directed via email on September 9, 2023, to comply with 27 CCR § 20937 which requires submittal of a remediation plan for approval and implementation within 60 days of noted exceedance and as documented on the report dated September 1, 2023. CCL submitted a

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remediation plan to address the methane exceedance at GP-13 on September 8, 2023 (September 8, 2023 Remediation Plan).

3.4 On September 15, 2023, CCL submitted a second remediation plan to include methane exceedance measured by the CCL at GP-15 (September 15, 2023 Remediation Plan). On September 19, 2023, the LEA measured methane levels at perimeter monitoring wells GP-13 and GP-15 at above 5% bv resulting in a violation of 27 CCR § 20921.

3.5 LEA electronic communication with CCL called for CCL to submit subsequent revised plans dated October 6, 2023 (October 6, 2023 Remediation Plan) and November 22, 2023 (November 22, 2023 Remediation Plan) addressing the exceedance at both probes GP-13 and GP-15. The LEA issued a rejection letter on February 6, 2024 (February 6, 2024 LEA Letter) directing CCL to respond to specific comments in a revised plan by February 23, 2024.

3.6 On February 27, 2024, the LEA received the latest version of the remediation plan (February 2024 Remediation Plan) that proposed to install an additional 107 LFG extraction wells by July 31, 2024.

3.7 The LEA approved the February 2024 Remediation Plan by letter May 8, 2024 (May 8, 2024 LEA Letter) requiring the LFG well installation to be completed by July 31, 2024, as proposed by CCL. Upon installation of the LFG extraction wells, CCL is required to continue to monitor the methane levels in all perimeter monitoring wells on a weekly basis and provide the results to the LEA for a monitoring period of 120 days. If the LEA's monitoring shows that the concentration of methane is and remains below the regulatory limit for three (3) consecutive monitoring events and the weekly results submitted by CCL provide supporting evidence that the landfill gas is controlled not to exceed 5% bv in air at the Site's perimeter boundary, then the Site will be deemed compliant with 27 CCR § 20921. If compliance with 27 CCR § 20921 is not achieved within the 120-day monitoring period, then a new remediation plan must be submitted to the LEA for review and approval within 30 calendar days.

3.8 The February 2024 Remediation Plan was also approved by CalRecycle on April 15, 2024 (April 15, 2024 CalRecycle Letter) as required by 27 CCR § 20937.

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4.0 PLACEMENT OF CCL ON THE INVENTORY:

4.1 The LEA issued inspection reports of CCL dated September 1, September 19, October 25, November 28, December 19, 2023, and January 17, 2024. Violations of 27 CCR, Sections 20921 (Gas Monitoring and Control) and 20750 (Site Maintenance) have been noted monthly on LEA inspection reports to date beginning September 1, 2023, and November 28, 2023, respectively.

4.2 On February 8, 2024, CalRecycle notified CCL in a letter sent via certified mail, and received by CCL on February 10, 2024, that if the violations were not corrected within 90 days of receipt of the letter that pursuant to PRC § 44104, the site would be placed on the Inventory of Solid Waste Facilities Which Violate State Minimum Standards (Inventory).

4.3 After confirming with the LEA that violations of the noted standards remained uncorrected and were continuing, on May 16, 2024, pursuant to 14 CCR § 18364, an Inclusion letter was sent by CalRecycle, notifying CCL that CCL was placed on the "Inventory of Facilities Violating State Minimum Standards" list (Inventory List). Inclusion on the Inventory List requires the LEA to establish and issue a compliance schedule to the facility within 15 business days from the date of the inclusion letter. (14 CCR § 18365(a).)

4.4 The purpose of the compliance schedule is to ensure that diligent progress is made by the operator to bring the facility into compliance pursuant to PRC § 44106. (14 CCR § 18304.3.)

4.5 The compliance schedule may be incorporated into a Notice and Order. (14 CCR §§ 18304.3 and 18361(a).)

4.6 The Compliance Schedule must require that all tasks and deadlines be completed within the timeframes specified in 14 CCR § 18365(b).

5.0 VIOLATIONS:

5.1 CCL is in violation of 27 CCR § 20750 (Site Maintenance) and 27 CCR § 20921 (Gas Monitoring and Control).

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6.0 ORDER FOR COMPLIANCE SCHEDULE:

6.1 On June 4, 2024, the LEA met with CCL to discuss the issuance of the Compliance Order. The Compliance Schedule was reviewed with CCL and an extension was asked for the Compliance Deadline for Milestone 1A-2, 1B-1 and 2A-1. The LEA granted the extensions and has updated the deadlines to the dates requested by CCL.

6.2 Pursuant to PRC §§ 43209, 44106, 45000, 45005, 45011, 45017, and 45023, 27 CCR §§ 20750 and 20921, and 14 CCR §§ 18304, 18304.1, 18304.3(b), and 18365(a), Respondent CCL is hereby ordered to comply with the following compliance schedule to eliminate the existing violations:

Compliance Schedule		
27 CCR Section 20750 – Site Maintenance <i>The operator shall promptly repair or correct defective conditions with respect to state minimum standards. All other aspects of the site shall be kept in a state of reasonable repair. THE FINAL DATE TO ACHIEVE FULL COMPLIANCE WITH 27 CCR § 20750 IN ACCORDANCE WITH THE COMPLIANCE SCHEDULE IS AUGUST 2, 2024.</i>		
Milestone	Action Plan/Directive	Compliance Deadline
1A - 1	Submit a revised Air/Soil Break Plan to the LEA for review and approval. The revised Air/Soil Break Plan must fully address the LEA directives including data from TMPs and LFG collection wells (refer to the May 3, 2024, LEA Letter for details) to inform the required items mentioned below: a. Investigate how each cell or phase was constructed and examine if air/soil breaks between cells/phases can be exploited. The investigation should include a review of where haul roads were constructed to determine if the inert roads can also be used as fuel breaks. Information from the investigation should be used to develop where containment breaks should be placed. b. Propose a set of criteria for the primary and secondary engagement lines and the type of reaction breaks/barriers and/or mitigations. These criteria shall	July 8, 2024

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	<p>be based on temperature, CO, and possibly settlement rate. The primary engagement lines need to prevent the reaction from spreading in the main fill close to the reaction.</p> <p>The secondary engagement lines need to prevent the reaction from entering the eastern and southern fill areas at the toe of the slope.</p> <p>c. Investigate and propose construction of air/soil reaction breaks in the main 160-acre fill area for the reaction of the engagement lines with either an inert material or air.</p> <p>d. Include the construction of air/soil reaction breaks/barrier between Canyon C, A, D, and Cell 5 in the event the reaction reaches the secondary engagement lines.</p> <p>e. Include timelines and method of construction. The timelines and engagement lines must match.</p> <p>f. Use best available technology, such as grout injection, to slow or contain reaction movement to the south and east.</p> <p>g. Description of the criteria that will mandate the temporary suspension of placing new waste.</p> <p><i>CCL may submit an alternative plan to the LEA for review, only if such plan is adequately supported by substantive data and studies and provides assurances to the LEA that the reaction is no longer a threat to public health, safety and the environment.</i></p> <p>Note: If the air/soil break plan submitted by CCL is rejected by the LEA after the final compliance date for this violation, then a penalty will be assessed from the date LEA issues a rejection until the air/soil break plan is approved by the LEA. (No penalty will be assessed during the period of LEA review.)</p>	
1A - 2	<p>Submit a report with CO and H2 readings for all gas collection wells in the reaction area and wells 200 feet outside the reaction area, including the following:</p>	June 11, 2024

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	<p>a. The gas data tabulated with the following information: date collected or measured, wellhead temperature, analyte names and concentrations, including but not limited to permanent gases and H₂ analyzed using thermal conductivity detection/ gas chromatography (TCD/GC) ASTM D1946-14 and CO analyzed using flame ionization detection/total combustion analysis (FID/TCA), EPA Method ALT-144</p> <p>b. Sampling summary, map showing the reaction area as it is currently defined, gas sampling plan, Quality Assurance/Quality Control data, and proposed holding times, and whether holding times were exceeded, etc.</p> <p>c. Report as a standalone document that is signed by a licensed engineer or qualified responsible person.</p>	
1A - 3	Submit the laboratory test results for <u>all</u> monthly LFG sampling (including CO and H₂) from a set of LFG wells selected by the LEA after the baseline sampling for CO and H₂ is completed and provided to the LEA as described above. The LFG data that is collected must be submitted to the LEA in a standalone report signed by a licensed engineer or qualified responsible person and include a discussion of the sampling, LFG data, and a graphic showing CO and H₂ trends over time.	Monthly by the 15th of the following month, from the date that CCL receives the selected LFG wells from the LEA
1B - 1	<p>Submit a revised Completion Report for the installation of the TMPs that include the following:</p> <p>a. Site map that includes the location of the TMP's location, the completion depth at each well, and as-builts. The map must also include the reaction area as it is defined as of May 1, 2024.</p> <p>b. Provide real-time access to temperature data to the LEA and CalRecycle and specify the method of access (e.g., web portal).</p> <p>c. Temperature data that includes the maximum temperature recorded at each TMP.</p>	June 11, 2024

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	d. Signature and stamp of a licensed engineer or qualified responsible party to show all work can be clearly attributed to the licensee(s) in responsible charge of the work.	
1B - 2	<p>Continue to submit the Weekly TMP Reports. Revise the reports so they are standalone documents that include the following:</p> <p>a. Graphs that show the maximum temperature recorded at each TMP. CCL may choose to continue to also include the average temperature in the weekly reports.</p> <p>b. Map delineating the reaction area with the maximum observed temperature at each TMP with depth.</p> <p>c. Narrative describing any anomalies, outliers, data gaps, issues or malfunctions. The narrative must describe any temperature increases of 20°F or greater within 48 hours or 10°F in a week.</p>	June 7, 2024, and weekly each Friday thereafter
1B - 3	<p>Provide a temperature contour map that shows each TMP with color-coded observations based on the maximum observed temperature collected during the month. Example was provided in the May 29, 2024 LEA Response.</p>	Monthly by the 15th of the month beginning June 2024.
1B - 4	<p>Install three temperature probes around the area that is extending south into areas outside of the previously defined reaction area as shown in the Weekly Cover Report dated May 14, 2024. Map showing locations of wells around the extended reaction area was provided in the May 29, 2024 LEA Response.</p> <p>Provide a final completion report that includes a map and as-builts that is signed by a registered engineer or qualified responsible person.</p>	July 11, 2024
2A - 1	<p>Install the approved 30-mil HDPE geosynthetic cover over the 30-acre reaction settlement area as defined in the Weekly Cover Reports dated up through May 28, 2024, and around any wells showing signs of reaction, i.e., any wells with temperature over 160°F or CO concentrations over 1,500 ppmv.</p>	August 2, 2024

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2A - 2	<p>Continue to provide Weekly Updates on the Installation of the 30-mil Geosynthetic Cover including a map showing approximate limits of the installed geosynthetic cover. Updates shall include any delays due to rain events or other special occurrences.</p> <p>Revise the map to show the required 30-mil geosynthetic coverage area, delineate any areas showing settlement and any wells showing signs of reaction.</p>	<p>Ongoing on Fridays with revised map beginning June 14, 2024.</p> <p><i>(Note: Weekly reporting may be reduced in frequency or discontinued only after the required geosynthetic cover is installed and with LEA written approval.)</i></p>
2B	<p>Continue to submit the Weekly Geosynthetic Cover Reports as in the approved April 16, 2024 Revised Written Plan, include the required directives in the May 29, 2024 LEA Letter.</p>	<p>Ongoing</p> <p><i>(Note: Weekly reporting may be reduced in frequency or discontinued only with LEA written approval.)</i></p>
3 - 1	<p>Ensure slope stability issues are included in the Weekly Geosynthetic Cover Reports as directed in the May 3, LEA Letter and May 29, 2024 LEA Response.</p>	<p>Ongoing</p> <p><i>(Note: Weekly reporting may be reduced in frequency or discontinued only with LEA written approval.)</i></p>
3 - 2	<p>Submit a West and North Slope Stability Analysis Final Report that fully addresses LEA's comments.</p>	<p>Two weeks from the date of the LEA comment letter</p>
<p>27 CCR Section 20921 – Gas Monitoring and Control <i>The concentration of methane gas migrating from the disposal site must not exceed 5% by volume in air at the disposal site permitted facility boundary or an alternative boundary approved in accordance with § 20925.</i> THE FINAL DATE TO ACHIEVE FULL COMPLIANCE WITH 27 CCR § 20921 IN ACCORDANCE WITH THE COMPLIANCE SCHEDULE IS NOVEMBER 28, 2024.</p>		

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4 - 1	<p>Install and operate an additional 107 LFG extraction wells as per approved February 26, 2024 Remediation Plan for LFG Exceedance. Notify the LEA upon completion.</p> <p>Provide a final completion report that includes a map and as-builts that is signed by a registered engineer or qualified responsible person.</p>	July 31, 2024
4 - 2	<p>Continue to submit a weekly status update on the installation of the LFG extraction wells as per the May 8, 2024 LEA Letter.</p>	<p>Ongoing</p> <p><i>(Ongoing until completion of installation of all LFG extraction wells listed in the February 26, 2024 Remediation Plan.)</i></p>
4 - 3	<p>Continue to submit weekly results of methane readings at perimeter monitoring wells GP-13 and GP-15.</p>	<p>Ongoing until compliance with 27 CCR 20921 has been demonstrated as set forth in Milestone 4-4</p> <p><i>(Note: Weekly reporting may be reduced in frequency or discontinued only with LEA written approval.)</i></p>
4 - 4	<p>Demonstrate compliance with 27 CCR Section 20921 within the 120-day compliance period that begins after the completion of the planned LFG extraction well construction referred to in the February 2024 Remediation Plan.</p> <p>In order to demonstrate compliance, the concentration of methane must be at or below regulatory limit for three (3) consecutive monitoring events conducted by the LEA, and the weekly results submitted by CCL must provide supporting evidence that the LFG is controlled not to exceed 5% by volume in air at the site's perimeter boundary.</p>	<p>120 days after completion of the LFG extraction well installation and no later than November 28, 2024 (Compliance Period)</p> <p><i>(Note: November 28, 2024 is based on the</i></p>

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		<i>anticipated completion date for installation of the LFG extraction wells.)</i>
5	Submit a consolidated monthly report with individual maps overlayed with the following data in an easily understood format <ul style="list-style-type: none"> - Defined reaction area; - Expansion of reaction area if any; - Weekly TMP data; - Settlement with heat maps; and - LFG data including, but not limited to CO and H2 data 	Monthly by the 15th of the month, from the date that CCL receives the selected LFG wells from the LEA - Refer to Milestone 1A-3 <i>(Note: Monthly reporting may be reduced in frequency or discontinued only with LEA written approval.)</i>

7.0 APPLICABLE TO ALL MILESTONES:

7.1 CCL must obtain all required and necessary Federal, State, and local permits prior to commencement of any work at the site.

7.2 Notwithstanding anything to the contrary herein, if any of the above milestones and compliance deadlines cannot be met in good faith, CCL may submit a written extension request to the LEA setting forth good cause justification.

7.3 Pursuant to PRC § 45011, failure to comply with the final compliance date for each violation, unless otherwise excused in writing by the LEA, will result in the LEA issuing an administrative penalty order for penalties payable by CCL to the LEA, of up to \$5,000 per day for each day that CCL is in violation of the final compliance schedule for a particular violation, calculated from the day after the violation compliance date, until the date compliance is achieved and verified by the LEA.

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**8.0 NOTICE OF FURTHER PENALTIES AND ENFORCEMENT THAT MAY RESULT FROM
FAILURE TO COMPLY WITH THE LEA'S ORDER:**

8.1 The LEA may assess administrative civil penalties not to exceed five thousand dollars (\$5,000) for each violation, for each day that the violation continues, if compliance is not achieved in accordance with the compliance schedule set forth in this Order. (PRC §§ 45010.1 and 45011.)

8.2 The LEA may suspend or revoke the solid waste facility permit if the facility does not meet the requirements contained in the compliance schedule issued by the LEA until the violation(s) of state minimum standards which caused the facility to be included in the Inventory are remedied. (PRC §§ 44305 and 44306, and 14 CCR §§ 18307 and 18368(b).)

8.3 The LEA may file a petition in the Superior Court for injunctive relief to enforce any part of this Order. (PRC §45014.)

8.4 Upon failure to comply with the Order, the LEA may bring an action in the Superior Court to impose upon CCL civil penalties of not more than ten thousand dollars (\$10,000) for each day a CCL is in violation of the Order. (PRC §§ 45023 and 45024.)

8.5 The LEA and/or CalRecycle shall not be liable for injuries or damages to persons or property resulting from acts or omissions by CCL or related parties in carrying out activities pursuant to this order, nor shall the LEA and/or CalRecycle be held as a party to any contract entered into by CCL or its agent(s) in carrying out activities pursuant to this Order.

8.6 Nothing in this Order shall constitute or be construed as a satisfaction or release from liability for any conditions or claims arising as a result of past, current, or future operations. Notwithstanding compliance with the terms of this Order, CCL may be required to take further actions as necessary to protect public health and safety or the environment.

8.7 This Order does not relieve CCL from complying with all other local, state, and federal requirements or prevent the LEA and/or CalRecycle from taking any and all other actions allowed by law.

8.8 This Order is supported by the accompanying declarations by Eric Morofuji and Mark Como.



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8.9 This Order may only be amended in writing by an appropriate representative of the LEA.

9.0 RIGHT TO APPEAL

9.1 CCL has the right to appeal this Order (PRC §§ 44307 and 44310) by submitting a written request for a hearing, together with a statement of issues on which appeal is based, within 15 days. Request for Hearing is provided with this Order. The appeal must be sent via U.S. Mail to Los Angeles County Public Health, Solid Waste Management Program/Local Enforcement Agency (LEA), 5050 Commerce Drive, Baldwin Park, Ca 91706, Attention: Karen Gork or via electronic mail to kgork@ph.lacounty.gov.

9.2 An appeal does not stay the effect of any provision of this Order. However, you may petition the Director of CalRecycle, in writing, to stay the effect of this Order, or portion thereof, pending the completion of administrative appeals. (PRC § 45017.) A petition submitted must be in writing and shall state the extraordinary circumstances that justify the stay. The petition shall also state the grounds, if any, on which a finding may be made that the immediate effect of the order or determination will preclude or interfere with the provision of an essential public service so that the public health and safety or the environment will be adversely affected.

10.0 CERTIFICATION

10.1 This Compliance Order is issued as of the date set forth below.

Signed: Liza Frias Date: June 6, 2024

Liza Frias, Director, Environmental Health
Los Angeles County LEA

Attachments:

Declarations
September 1, 2023 LEA Focused Inspection Report



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September 19, 2023 LEA Periodic Inspection Report

October 25, 2023 LEA Periodic Inspection Report

November 28, 2023 LEA Periodic Inspection Report

December 19, 2023 LEA Periodic Inspection Report

January 17, 2024 LEA Periodic Inspection Report

February 7, 2024 LEA Periodic Inspection Report

March 26, 2024 LEA Periodic Inspection Report

April 30, 2024 LEA Periodic Inspection Report

May 14, 2024 LEA Focused Inspection

October 16, 2023 CalRecycle Letter

October 17, 2023 LEA Letter

October 20, 2023 CCL Response

November 14, 2023 CalRecycle Letter

November 21, 2023 LEA Letter

December 6, 2023 CCL Response

April 5, 2024 LEA Letter

April 12, 2024 CCL Response

March 27, 2024 Plan

May 3, 2024 LEA Letter

May 8, 2024 Data

May 28, 2024 LEA Letter

December 20, 2023 Plan

December 22, 2023 LEA Letter

January 2, 2024 CCL Letter

January 17, 2024 CCL Letter



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January 29, 2024 LEA Letter

February 26, 2024 LEA Letter

February 29, 2024 CCL Letter

March 4, 2024 CCL Letter

March 20, 2024 LEA Approval

March 20, 2024 LEA Letter

March 28, 2024 Report.

April 16, 2024 CCL Letter

April 24, 2024 LEA Letter

May 3, 2024 CQA Report

May 29, 2024 LEA Response

December 8, 2023 CCL Memorandum

December 14, 2023 LEA Letter

December 19, 2023 CCL Plan

December 20, 2023 LEA Letter

December 29, 2023 CCL Letter

January 23, 2024 CCL Letter

January 26, 2024 LEA Letter

February 2, 2024 (CCL Letter)

April 19, 2024 CCL Memorandum

May 10, 2024 LEA Letter

May 14, 2024 CCL Updated Schedule

May 14, 2024 CCL Plan

May 29, 2024 LEA Letter

December 6, 2023 Cover Tracking Plan



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December 21, 2023 Revised Plan

January 3, 2024 LEA Letter

March 22, 2024 LEA Letter

April 16, 2024 Revised Plan

May 2, 2024 LEA Letter

CCL Barrier Discussion presentation

Isolation Break Criteria Example document

December 2023 Slope Stability Analysis Plan

February 2024 Slope Stability Analysis Report

February 26, 2024 60-Day Remediation Plan for GP-13 and GP-15

April 15, 2024 CalRecycle Response to 60-Day Remediation Plan

May 8, 2024 LEA Letter Response to 60-Day Remediation Plan

Request for Hearing Form

Attachment F

**BEFORE THE HEARING BOARD OF THE
SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT**

In The Matter Of

Case No. 6177-4

SOUTH COAST AIR QUALITY
MANAGEMENT DISTRICT,

Petitioner,

vs.

CHIQUITA CANYON, LLC a Delaware
Corporation,
[Facility ID No. 119219]

Respondent.

**FINDINGS AND DECISION FOR A
MODIFIED STIPULATED ORDER FOR
ABATEMENT**

Health and Safety Code §41700, and District
Rules 402, 431.1, 3002, 203, 1150

Hearing Date: April 24, 2024
Time: 9:30 am
Place: Hearing Board
South Coast Air Quality
Management District
21865 Copley Drive
Diamond Bar, CA 91765

On April 24, 2024, a hearing to consider modifications to the Stipulated Order for Abatement was held pursuant to notice in accordance with the provisions of California Health and Safety Code §§ 40823 and 42451(a) and District Rule 812. The following members of the Hearing Board were present: Cynthia Verdugo-Peralta, Chair; Robert Pearman, Esq., Vice Chair; Jerry P. Abraham, MD MPH CMQ; Micah Ali; and Mohan Balagopalan. Petitioner South Coast Air Quality Management District ("South Coast AQMD") was represented by Kathryn Roberts, Senior Deputy District Counsel, Mary Reichert, Senior Deputy District Counsel and Ryan Mansell, Senior Deputy District Counsel. Respondent Chiquita Canyon, LLC, was represented by Jacob P. Duginski, attorney at law, Megan L. Morgan, attorney at law, and Leigh S. Barton, attorney at law, of Beveridge & Diamond, P.C. South Coast AQMD and Respondent presented a stipulation on proposed modifications. The declarations of Pablo Sanchez-Soria, Ph.D., CIH, Richard Pleus, Ph.D., M.S., Srividhya Viswanathan, P.E., Steven E. Woodard, Ph.D., P.E., Patrick Sullivan, BCEA, CPP, REPA, Neal Bolton, P.E., and Robert E. Dick, P.E., B.C.E.E. were received as evidence from Respondent. Exhibits marked as Nos. Z through CC were also received as evidence from Respondent. Exhibits

marked as Nos. 53 and 54 were received as evidence from South Coast AQMD. Written materials submitted by the public were received as evidence. Mr. Sanchez-Soria, Mr. Pleus, Ms. Viswanathan, Mr. Woodard, Mr. Sullivan, Mr. Bolton, and Mr. Dick testified for Respondent. Mr. Laurence Israel, Mr. Baitong Chen, and Mr. Stephen Dutz, testified for Petitioner. The public was given the opportunity to testify, evidence was received, and the matter was submitted. The Hearing Board finds and decides as follows:

FINDINGS OF FACT

1. South Coast AQMD is a body corporate and politic established and existing pursuant to Health and Safety Code §§ 40000, *et seq.* and §§ 40400, *et seq.*, and is the sole and exclusive local agency with the responsibility for comprehensive air pollution control in the South Coast Basin.

2. Respondent operates a landfill/solid waste disposal facility known as Chiquita Canyon Landfill (“CCL”) located at 29201 Henry Mayo Dr., Castaic, California, 91384, South Coast AQMD Facility ID No. 119219. Respondent operates within the South Coast AQMD’s jurisdiction and is subject to the South Coast AQMD’s rules. The landfill/solid waste disposal site has a footprint of approximately 400 acres pursuant to a Conditional Use Permit issued by the County of Los Angeles. Chiquita was most recently granted a renewed Conditional Use Permit in 2017 to allow continued operations. Under its current use permit, CCL is allowed to accept an average of 6,616 tons per day (“TPD”) of solid waste between the hours of 4:00am to 5:00pm Monday through Saturday. CCL may also accept green waste and beneficial reuse materials. CCL may accept a maximum of 2,800,000 tons per year of solid waste and beneficial reuse material combined.

3. **South Coast AQMD Rule 402 and California Health and Safety Code (“H&S Code”) Section 41700** prohibit the discharge, from any source whatsoever, such quantities of air contaminants or other material which causes injury, detriment, nuisance, or annoyance to any considerable number of persons or the public, or which cause, or have the natural tendency to cause, injury or damage to business or property.

4. **South Coast AQMD Rule 102 and H&S Code Section 39013** define “air contaminant,” including as used in Rule 402 and Section 41700, as “any discharge, release, or other propagation into the atmosphere directly or indirectly caused by man and includes, but is not limited

1 to, smoke, charred paper, dust, soot, grime, carbon, fumes, gases, odors, particulate matters, acids or
2 any combination thereof.”

3 5. **South Coast AQMD Rule 431.1(c)(2)** prohibits burning, in any equipment requiring
4 a permit to operate, landfill gas with sulfur compounds of greater than 150 parts per million by
5 volume (“ppmv”) calculated as hydrogen sulfide (“H₂S”) averaged daily.

6 6. **South Coast AQMD Rule 3002(c)(1)** requires operators to operate all Title V
7 facilities in compliance with all Title V permit conditions at all times.

8 7. **South Coast AQMD Rule 203(b)** requires all facilities to operate in compliance with
9 all conditions in their permit to operate.

10 8. **South Coast AQMD Rule 1150(b)(2)** requires all persons to obtain an Excavation
11 Management Plan approved by the South Coast AQMD prior to initiating excavation of an active or
12 inactive landfill unless the activity which exposes buried waste to the atmosphere is a normal part
13 of the daily operation of an active landfill or is exempted by South Coast AQMD Rule 1150(c),
14 which includes exemption for the maintenance of gas or leachate collection systems and emergency
15 excavations performed by, under the jurisdiction of, or pursuant to the requirements of, an authorized
16 Health Officer, Agricultural Commissioner, or Fire Protection Officer and whenever possible, the
17 Executive Officer shall be notified prior to commencing such excavation.

18 9. **CCL’s Facility-Wide Permit, Condition No. 3** prohibits CCL from using landfill
19 gas that contains sulfur compounds in excess of 150 ppmv calculated as H₂S averaged daily.

20 10. **South Coast AQMD Permit No. G55163, Condition No. 11** requires CCL to have
21 no more than 150 ppmv of total sulfur compounds (calculated as H₂S averaged daily) in its landfill
22 gas.

23 11. **South Coast AQMD Permit No. G73696, Condition No. 16** limits CCL’s Flare No.
24 1 to a maximum of 2.5 lbs/hour of sulfur oxides (“SO_x”) as SO₂.

25 12. **South Coast AQMD Permit No. G73696, Condition No. 17** limits CCL’s Flare No.
26 2 to a maximum of 2.5 lbs/hour of SO_x as SO₂.

27 13. **South Coast AQMD Permit No. A/N 624296, Condition No. 31** limits CCL’s Flare
28 No. 3 to a maximum of 124.08 lbs/day and 2,175.60 lbs/month of SO_x as SO₂. Flare No. 3 is also

1 limited by its permit to a daily average in the inlet of 85 ppmv sulfur as H₂S, and monthly average
2 of 60 ppmv sulfur as H₂S, and a daily average in the inlet of 150 ppm sulfur as H₂S

3 14. Respondent's operation at CCL also includes a landfill gas collection and control
4 system that includes vertical and horizontal gas collection wells and associated piping and trenches,
5 multiple collection headers and blowers for venting landfill gas, a landfill gas treatment system, a
6 condensate/leachate collection system and three flares which combust landfill gas. CCL also has an
7 active permit application for an additional fourth flare which, if permitted, would be incorporated
8 into its landfill gas collection and control system.

9 15. South Coast AQMD alleges Respondent is inadequately containing landfill gas,
10 leachate, and associated surface emissions at CCL, which cause odor and other unlawful emissions
11 from the landfill.

12 16. From January to September 2023, South Coast AQMD received more than 2,100
13 complaints of an odor nuisance from the public, with CCL as the alleged source. Complaints include
14 odor descriptions of both trash and landfill gas, but Petitioner and Respondent believe that all odors
15 complained of related to landfill gas, leachate, and associated surface emissions rather than trash or
16 the working face.

17 17. CCL is currently experiencing a subsurface reaction or elevated temperature landfill
18 event over an inactive portion of the landfill that is causing increased temperatures, increased
19 production of landfill gas, and increased production of leachate, as well as fugitive emissions of
20 landfill gas from the surface of the landfill. The area of the landfill affected by the reaction is located
21 in the northwest corner of the Landfill between approximately 1000 feet and 1500 feet from the
22 nearest resident. South Coast AQMD alleges that the ongoing subsurface reaction is the source of
23 the odor complaints received from the public, and the root cause of an ongoing public nuisance.

24 18. South Coast AQMD Inspectors investigated the complaints and traced some of them
25 back to CCL and confirmed CCL as the source of the odors on numerous occasions, and have
26 consistently traced odors back to the area of the landfill affected by the reaction rather than the
27 working face. Between May and September 5, 2023, South Coast AQMD issued 58 Notices of
28 Violation ("NOVs") against Respondent for violating South Coast AQMD Rule 402 and H&S Code

1 § 41700.

2 19. On September 6, 2023, the Hearing Board held a hearing on South Coast AQMD's
3 Petition for an Order for Abatement. At the conclusion of the hearing, the Hearing Board issued a
4 Stipulated Order for Abatement ("Stipulated Order").

5 20. Following adoption of the Stipulated Order, South Coast AQMD learned that CCL
6 was experiencing leachate seeps, where leachate would be exposed at the landfill surface and to the
7 ambient air rather than being collected subsurface via Respondent's leachate collection system. To
8 address this and related issues which were not covered in the Stipulated Order, South Coast AQMD
9 petitioned for a status modification hearing on November 3, 2023. A hearing was initially set on
10 December 12, 2023. The hearing was continued to January 9, 2024. The Parties later stipulated to
11 combine the continued modification hearing with the pre-set status hearing on January 16, 2024.

12 21. Following the adoption of the Stipulated Order, Respondent worked to implement the
13 Order's conditions. Respondent presented summaries of its implementation of these conditions in
14 declarations submitted on December 1, 2023, January 9, 2024, and January 11, 2024.

15 22. Between September 6, 2023 and January 11, 2024, South Coast AQMD received a
16 total of 4860 complaints alleging CCL as the source of odors. South Coast AQMD consistently
17 responds to and investigates complaints, including verifying the existence of complained-of odors
18 and the source as CCL. Over this time period, Respondent received 47 NOVs for alleged violations
19 of South Coast AQMD Rule 402 and H&S Code § 41700. The total number of NOVs issued for
20 alleged violations of South Coast AQMD Rule 402 and H&S Code § 41700 related to this incident
21 is 107 as of January 17, 2024.

22 23. Prior to the close of the hearing on January 17, 2024, the Parties jointly submitted a
23 set of stipulated proposed modifications to the Stipulated Order. At the close of the hearing on
24 January 17, 2024, the Hearing Board issued a modified Stipulated Order.

25 24. On February 15, 2024, pursuant to Condition 49 of the Stipulated Order, Respondent
26 notified South Coast AQMD of a potential conflict between various provisions of the Stipulated
27 Order related to dewatering and requirements of the Department of Toxic Substances Control. More
28 specifically, recent samples of Respondent's leachate exceeded regulatory thresholds for benzene

1 and/or other potentially hazardous constituents. As a result of these elevated constituents,
2 Respondent could not send this material to its traditional disposal outlets because those outlets were
3 not authorized to accept it. Respondent was forced to shut off some of its leachate collection pumps
4 that would otherwise direct this material to the onsite leachate accumulation tanks because those
5 tanks were running out of capacity. This situation presented a potential conflict with various
6 conditions of the Stipulated Order that require Respondent to remove and dispose of its leachate.
7 Because Respondent could not bring all of its leachate collection pumps back online, or dispose of
8 all of the accumulated leachate, within the three working days allotted by Condition 49 to resolve
9 this conflict, Respondent petitioned for a modification hearing on February 21, 2024. A hearing was
10 set for March 21, 2024. Respondent submitted two declarations in support of its proposed
11 modifications on March 19, 2024.

12 25. The parties jointly submitted a set of stipulated proposed modifications ahead of the
13 March 21, 2024 hearing to address dewatering and other requirements in the Stipulated Order in
14 light of potentially conflicting requirements from another regulatory agency and the accumulation
15 and management of leachate at the Chiquita Canyon Landfill.

16 26. Following the adoption of the modified Stipulated Order, Respondent worked to
17 implement the Order's conditions. Respondent presented summaries of its implementation of these
18 conditions in declarations submitted on April 19, 2024.

19 27. South Coast AQMD received over 6800 total complaints alleging CCL as the source
20 of odors since the beginning of the year, which is similar to the total number of complaints
21 throughout all of the prior calendar year. South Coast AQMD consistently responds to and
22 investigates complaints, including verifying the existence of complained-of odors and the source as
23 CCL. Over this time period, Respondent received 59 NOVs for alleged violations of South Coast
24 AQMD Rule 402 and H&S Code § 41700.

25 28. Prior to the hearing on April 24, 2024, the Parties jointly submitted a set of stipulated
26 proposed modifications to the Stipulated Order. At the close of the hearing on April 24, 2024, the
27 Hearing Board adopted the proposed modifications.

28

1 **CONCLUSIONS**

- 2 1. The Modified Stipulated Order for Abatement set forth hereinafter is likely to
3 mitigate conditions that could contribute to potential odors and potential nuisance.
- 4 2. The issuance of this Modified Stipulated Order for Abatement upon a fully noticed
5 hearing would not constitute a taking of property without due process of law.
- 6 3. There is good cause for adopting the modifications of the Order as stipulated to by
7 the Parties.
- 8 4. This Modified Stipulated Order for Abatement is not intended to be nor does it act as
9 a variance.

10 **ORDER**

11 THEREFORE, subject to the aforesaid statements and good cause appearing, the Hearing
12 Board hereby orders Respondent to comply with California Health and Safety Code Section 41700,
13 South Coast AQMD Rules 402, 203, 431.1, and 3002, and all conditions of Respondents Permits.
14 The Hearing Board further hereby orders Respondent to comply with the following conditions and
15 increments of progress:

16 **Odor Surveillance**

- 17 1. Respondent shall conduct odor surveillance in the communities surrounding CCL as
18 follows:
- 19 a. Respondent shall contract with a trained third party to conduct odor surveillance
20 each operating day within thirty (30) days after the issuance of the September 6,
21 2023 Order (the "Initial Order"). Respondent shall conduct odor surveillance each
22 operating day until the trained third party has been contracted. Respondent, or
23 Respondent's contractor, as applicable, shall conduct community odor surveillance
24 at least twice each operating day, once between the hours of 7:00 a.m. and 11:00
25 a.m. and once between the hours of 8:00 p.m. and 12:00 a.m. If a three-week period
26 passes without Respondent receiving a Rule 402 NOV from the South Coast
27 AQMD, or detecting odors at above an intensity of 2 at more than 2 stops during a
28 single surveillance, then Respondent, or Respondent's contractor, as applicable,

may stop conducting the odor surveillances. If Respondent, or Respondent's contractor, as applicable, has stopped conducting the odor surveillances pursuant to this condition and Respondent subsequently receives a Rule 402 NOV from the South Coast AQMD, then Respondent, or Respondent's contractor, as applicable, must resume conducting the odor surveillances until another three-week period passes with no Rule 402 NOVs issued by the South Coast AQMD, or without Respondent or Respondent's contractor, as applicable, detecting odors at above an intensity of 2 at more than 2 stops in a single surveillance.

- b. Respondent, or Respondent's contractor, as applicable, shall conduct an odor surveillance at each of the following Surveillance Locations:

Stop	Description
1.	Intersection of Chiquito Canyon Road and driveway leading to the LA County Fire's Del Valle Regional Training Center
2.	Intersection of Chiquito Canyon Road and Lincoln Avenue
3.	Intersection of Lincoln Avenue and Jackson Street
4.	Intersection of Lincoln Avenue and Harding Avenue
5.	Intersection of Buchanan Way and Chiquito Canyon Road
6.	Intersection of Chiquito Canyon Road and San Martinez Road
7.	Intersection of San Martinez Road and Morningside Drive
8.	Intersection of Lexington Drive and Morningside Drive
9.	Intersection of Val Verde Road and Trellis Road
10.	Intersection of San Martinez Road and Euclid Ave.
11.	Intersection of San Martinez Road and Keningston Road
12.	Intersection of Hunstock Street and Windsor Road
13.	Intersection of Del Valle Road and Silver Street
14.	Intersection of Del Valle Road and Hasley Canyon Road
15.	Intersection of Hasley Canyon Road and Gibraltar Lane
16.	Intersection of Gibraltar Lane and Alton Way
17.	Intersection of Gibraltar Lane and Springvale Lane
18.	Intersection of Castlebury Place and Picadilly Place
19.	Intersection of Gibraltar Lane and Cambridge Avenue
20.	Intersection of Cambridge Avenue and Hasley Canyon Road
21.	Intersection of Creekbed Road and Firebrand Drive
22.	Intersection of The Old Road and Hillcrest Parkway

Stop	Description
23.	Intersection of Hillcrest Parkway and Park Vista Drive at Castaic Elementary School
24.	Intersection of Hasley Canyon Road and Commerce Center Drive (Santa Clarita Valley International School & PlayMakers Preschool)
25.	Intersection of The Old Road and Live Oak Road
26.	Intersection of Live Oak Road and Hidden Trail Road
27.	Intersection of Rangewood Road and Buckskin Drive
28.	Intersection of Live Oak Elementary School at Saddleridge Way
29.	Intersection of Quincy Street and Cambridge Avenue
30.	Intersection of Commerce Center Drive and Witherspoon Parkway
31.	Intersection of Franklin Parkway and driveway leading to the United States Postal Service
32.	Intersection of Henry Mayo Drive and Cambridge View Drive, leading into the Valencia Travel Village RV Resort

- c. Respondent, or Respondent's contractor, as applicable, conducting the odor surveillance shall not have visited the Reaction Area (as defined in Condition 9(a)), working face, or other areas where exposed trash or landfill gas odors exist at CCL within four hours prior to conducting an odor surveillance.
- d. Odor surveillance shall be conducted by proceeding to each Surveillance Location and making an assessment of each parameter listed in Condition No. 1(e). Assessment of each parameter shall be made while standing in ambient air and shall not be made from within a vehicle.
- e. Respondent, or Respondent's contractor, as applicable, shall record odor surveillance results in an "Odor Surveillance Log" before the end of the work day. The Odor Surveillance Log shall contain, but not be limited to: (1) the date and time; (2) stop number; (3) the name of the person performing the surveillance and written acknowledgement that they did not visit the working face or other on-site areas where exposed trash or landfill odors such as, but not limited to landfill gas odors, refuse or refuse contaminated material odors, or landfill liquids/landfill leachate odors exist within a four hours prior to conducting an odor surveillance, (4) the wind speed and direction; (5) a narrative description of any odor detected (including the

1 type of odor, such as trash, landfill gas, chemical, odor neutralizer, as applicable);
2 (6) current weather conditions; and (7) an assessment of the strength of any odor
3 detected using the scale below:

4 0	No odor detected
5 1	Very light odor detected
6 2	Light odor detected
7 3	Moderate odor
8 4	Strong odor
9 5	Very strong odor

- 10 f. If Respondent, or Respondent's contractor, as applicable, conducting the odor
11 surveillance detects odors at three or more stops that are determined to be of a
12 strength of 3 or higher on the scale above during any surveillance occurring during
13 Respondent's operating hours (between the hours of 4:00am and 5:00pm), that are
14 described as chemical, leachate, landfill gas, or similar non-trash landfill odors,
15 Respondent, or Respondent's contractor, as applicable, shall immediately notify
16 landfill operating staff responsible for the Reaction Area. If such odors are
17 described as trash, Respondent, or Respondent's contractor, shall immediately
18 notify landfill operating staff responsible for the Working Face Area. Respondent
19 shall designate an employee in each of the Reaction Area and the Working Face
20 Area able to receive and direct action related to such notifications promptly. Upon
21 receiving such notification for the Reaction Area, Respondent shall, within 30
22 minutes of receipt, review and initiate modifications, as appropriate, to fan
23 placement, and conduct a visual inspection of the Reaction Area (as defined in
24 Condition 9(a)) to assess, and address as needed, any cracks in the surface of the
25 area. Upon receiving such notification for the Working Face Area, Respondent shall
26 employ all appropriate trash odor mitigation strategies, including taking action
27 pursuant to Condition No. 43. Respondent shall have trained employee(s) or trained
28 contractor(s) re-perform odor surveillance following deployment of additional
mitigation to assess if trash odors have dissipated, and, as applicable, take additional
remedial steps pursuant to Condition No. 43(f).

2. Respondent shall maintain records of all Odor Surveillance Logs for the duration of this Order and shall make them available for inspection by South Coast AQMD upon request. Respondent shall maintain a written record of any notification received, and any action taken in response to notice under Condition 1(f).

Reducing Sulfur in the Landfill Gas to be Flared

3. Respondent shall expedite, to the maximum extent feasible, replacement of granular activated carbon media in the Landfill Gas Treatment System (under Permit G55163, A/N 603249), including the execution of contracts, as well as the delivery, replacement, startup, and testing of any operation necessary to replenish and/or replace spent granular activated carbon media in the Landfill Gas Treatment System. Respondent shall ensure adequate stock of all odor control products and supplies are maintained on site.
- a. Respondent shall monitor and record the landfill gas temperature at least daily at the inlet of the Landfill Gas Treatment System. The temperature of the landfill gas shall not exceed 145 F.
4. Respondent shall maximize landfill gas combustion utilizing all operational flares (excepting periods of maintenance, breakdowns, or automatic shutdown) to limit release of raw landfill gas. Respondent shall prioritize and maximize the use and operation of landfill gas flares No. 2 (under Permit G73696, A/N 645450) and No. 3 (under A/N 624296) over landfill gas flare No. 1 (under Permit G73696, A/N 645450) to the maximum extent feasible when combusting landfill gas at the facility (FID 119219). Once Respondent receives the necessary permits and puts the new landfill gas flare discussed in Condition 21 ("landfill gas flare No. 4") into operation, Respondent shall prioritize and maximize the use and operation of landfill gas flares Nos. 3 and 4 over landfill gas flares No. 1 and No. 2 (under Permit G73696, A/N 645450) and prioritize and maximize the use and operation of landfill gas flare No. 2 over landfill gas flare No. 1 to the maximum extent feasible when combusting landfill gas at the facility (FID 119219).
5. Respondent shall sample, analyze, and record the landfill gas sulfur compounds combusted in each flare (as measured at sampling location FL-150 that is representative of the gas

combusted in the flares under Permit G73696, A/N 45450; A/N 624296), in the thermal oxidizer/flare, and in any other landfill gas control equipment operating on site at least once each week using colorimetric tests for H₂S and at least once each day sample for analysis for total sulfur compounds as H₂S using South Coast AQMD Method 307-91. Additionally, Respondent shall sample, analyze, and record the landfill gas sulfur compounds and speciated organic compounds found in the raw, pre-treatment and pre-control, landfill gas collected from the Reaction Area (as defined in Condition 9(a)) at least once each calendar month for total sulfur compounds as H₂S using South Coast AQMD Method 307-91 and for speciated organic compounds using U.S. Environmental Protection Agency (EPA) Method TO-15.

- a. Respondent shall record South Coast AQMD Method 307-91 analysis upon receipt of laboratory analysis report. Each recorded measurement or result shall be documented with the time and date when the measurement or sample collection was conducted, and initialed by the personnel that conducted the measurement or sample collection.
- b. Sulfur compound readings and analysis shall be reported to South Coast AQMD pursuant to Condition No. 8.
 - i. Tedlar bags used for Method 307-91 sampling and analysis shall not contain droplets or debris.
 - ii. Colorimetric tube readings shall be conducted by taking a reading from a Tedlar bag sample using an appropriate colorimetric tube sample collection pump. All sampling shall be performed in accordance with the operational manual for the colorimetric tube sample collection pump.
 - iii. Colorimetric tube readings shall use colorimetric tubes of appropriate concentration range and shall be reported as follows:
 1. Respondent shall first use the estimated appropriately ranged colorimetric tube.

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2. If the resulting reading reaches the upper concentration of the colorimetric tube concentration range, subsequent reading(s) shall be taken using a colorimetric tube with a concentration range that has a larger upper concentration threshold until the result is not the upper concentration threshold of the concentration range. Report the tube concentration range and tube concentration result for each reading.
 3. If the reading results in the lower concentration of the colorimetric tube concentration range or does not register a result, subsequent reading(s) shall be taken using a colorimetric tube with a concentration range that has a smaller lower concentration threshold, if available, until the colorimetric tubes available to the facility result in:
 - a. A reading that is within the concentration range of the tube,
 - b. A reading is the lower concentration of the colorimetric tube concentration range, or
 - c. The colorimetric tube does not register a result.
 4. When the result is the lower concentration of the colorimetric tube concentration range or does not register a result, the lower concentration of the colorimetric tube concentration shall be considered the concentration result. Report the tube concentration range and tube concentration result for each reading. If a lower range colorimetric tube is not used and the tube concentration result is below the lower range of the colorimetric tube used, Respondent shall report the result as “less than” or “<” the lower range value of the tube. Notwithstanding the forgoing, Respondent shall ensure that the colorimetric tube result is below the upper range of the colorimetric tube used and shall report the precise result of all results above the lowest range of the colorimetric tube used.
6. Respondent shall maintain adequate stock of appropriately ranged colorimetric tubes.

7. Respondent shall maintain a record of the following information, and provide such records to the South Coast AQMD pursuant to Condition No. 8:
- a. The hourly and daily flow of landfill gas combusted, in standard cubic feet, in each flare (flares No. 1 & No. 2 under Permit G73696, A/N 645450; flare No. 3 under A/N 624296), the thermal oxidizer (under Envent Corporation A/N 645484), the second thermal oxidizer/flare (under Zeeco A/N 648539), and any other equipment used to combust or control landfill gas at the facility, and the total amount of landfill gas combusted at the facility;
 - b. The daily flow of landfill gas not flared, in standard cubic feet, if applicable; and
 - c. The results of the sulfur readings, sampling, and analyses, calculated as H₂S with the time and date when each measurement or sample collection was conducted.
8. Respondent shall submit a monthly written report on the landfill operation, progress of the status of the Landfill Gas Flares (flares No. 1 and No. 2 under Permit G73696, A/N 645450; flare No. 3 under A/N 624296), Landfill Gas Treatment System (under Permit G55163, A/N 603249), and efforts to resolve the total sulfur concentration in the landfill gas exceeding 150 ppmv calculated as H₂S. As of March 21, 2024, monthly reports shall be submitted to South Coast AQMD on the 20th of each subsequent month, or the following business day, not later than 5:00pm via email to Baitong Chen, Air Quality Engineer, (bchen@aqmd.gov); Nathaniel Dickel, Senior Air Quality Engineer, (ndickel@aqmd.gov), and Christina Ojeda, Air Quality Inspector, (cojeda@aqmd.gov). Each monthly report shall contain at a minimum the following information:
- a. The landfill gas sulfur compounds measurements and laboratory analysis with the time and date of each measurement or sample collection, as identified in Condition No. 5.
 - b. The landfill gas records and calculations identified in Condition No. 7, in a Microsoft Excel spreadsheet format. If the landfill gas records show any landfill gas combustion/control equipment (flares or thermal oxidizers) are offline for a period exceeding 7 consecutive calendar days, or offline for more than 15 calendar days in

any one calendar month, Respondent shall report a detailed description of the reason(s) the equipment was offline (equipment breakdown, maintenance, construction, whether there was sufficient landfill gas control redundancy to control the collected landfill gas, etc.).

c. The integrated landfill surface sample analysis and landfill surface monitoring readings identified in Condition Nos. 9 and 10, in a Microsoft Excel spreadsheet format.

d. Estimated schedule for any replacement or refurbishment of granular activated carbon media in the Landfill Gas Treatment System (under Permit G55163, A/N 603249) identified in Condition No. 3. The landfill gas temperature at inlet of the Landfill Gas Treatment System (under Permit G55163, A/N 603249) identified in Condition No. 3(a).

e. Description of any problems or delays, if any, encountered or projected to occur pertinent to the execution of contracts, as well as the delivery, replacement, startup, and testing of any operation necessary to replenish and/or replace spent granular activated carbon media in the Landfill Gas Treatment System (under Permit G55163, A/N 603249). Respondent shall submit copies of documents or other records to support any problems or delays noted pursuant to this Condition No. 8(e) along with such description.

f. Specifications of the equipment and materials used for the weekly colorimetric tests (only if there is a change from the previously provided specifications of the colorimetric instrumentation or method used).

g. All wellhead temperature, temperature probe, and CO concentration readings, lab analysis, and Draeger tube readings for landfill gas from the past month in a Microsoft Excel spreadsheet format.

h. A graphic map showing location of each well with temperature exceedances (above 145 degrees Fahrenheit), each well with CO exceedances (above 1,000 ppmv and below 1,500 ppmv, and above 1,500 ppmv), and stratification of temperature ranges

1 during that month, which includes a description of any remedial measures taken to
2 address or lower gas well temperatures.

3 i. All vertical liquid impacted landfill gas wells, per Condition No. 17, including a
4 description of any remedial measures taken to address or reduce liquids in landfill
5 gas wells.

6 j. Updates on the investigation into the availability, viability, and utilization, including
7 pilot testing if needed, of an alternative sulfur compound treatment system that
8 controls, treats, or removes dimethyl sulfide (“DMS”) and other sulfur compounds,
9 if any.

10 k. A summary report on Respondent’s implemented improvements to the landfill gas
11 collection system beyond the additions to the landfill gas collection system required
12 pursuant to Condition No. 15 and 8(m).

13 l. An inspection log for landfill cover and geosynthetic cover inspections, pursuant to
14 Condition No. 30.

15 m. Any subsequent additions to the landfill gas collection system, pursuant to
16 Condition No. 15; an updated vertical extraction well map detailing all existing fully
17 functional working vertical extraction wells and the vertical extraction well
18 additions completed within the month; a map showing an overlay of fully
19 operational working wells, landfill surface monitoring grids, and outlines of the two
20 defined areas pursuant to Condition 15(b); and copies of as-built well logs
21 (regarding well depth installations and updates) for vertical extraction wells
22 completed within the month.

23 n. Any subsequent additions to the landfill gas condensate or leachate collection
24 system, such as dewatering sumps/pumps, or other dewatering work performed per
25 the dewatering guidelines and implementation plan pursuant to Condition No. 18.

26 o. Updates on the procurement and installation of the geosynthetic cover(s), pursuant
27 to Condition No. 31, and including changes required or approved by the Local
28 Enforcement Agency.

- 1 p. Updates on landfill excavation work subject to Rule 1150, including excavation
2 location(s) (that are identified on graphic map(s) of the landfill), and
3 excavated/exposed waste characteristics (saturated, semi-dry, dry, odor type and
4 intensity, etc.) Excavation work occurring pursuant to an exemption as listed in
5 South Coast AQMD Rule 1150(c)(3), or Rule 1150(c)(2) that is performed in the
6 Reaction Area, must also be included in these updates.
- 7 q. Updates regarding leachate including:
- 8 i. Leachate temperature recordings pursuant to Condition No. 27(a);
 - 9 ii. Daily log of inspection findings and containment activities
10 pursuant to Condition 27(b);
 - 11 iii. Weekly record of leachate seepage and pooling pursuant to
12 Condition 27(c);
 - 13 iv. Quantity of leachate measured, and associated company name and
14 physical address of the off-site disposal/treatment facility(ies) that
15 receive leachate generated by the landfill, pursuant to Condition
16 27(d); and
 - 17 v. A list of all hazardous and non-hazardous liquid storage and
18 treatment facilities that have been contacted and current status of
19 each facility including available, contracted, and utilized capacity
20 to receive hazardous and non-hazardous landfill liquids.
- 21 9. Respondent shall collect integrated landfill surface samples for analysis across the Reaction
22 Area (as defined in Condition 9(a)) at least every two weeks as specified in Rule 1150.1
23 Attachment A 2.0. In the event Respondent is unable to sample specific landfill surface
24 area(s) or grid(s) due to inaccessibility or dangerous conditions for a technician,
25 Respondent shall document the date and the conditions that do not allow the sampling of
26 the specific area(s) or grid(s). Documentation shall be sufficient to show the inaccessibility
27 or dangerous conditions and may include weather forecasts and actual rainfall
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1 measurements, or photographs and/or videos that depict the site conditions that prevent
2 such sampling activities for each specific area or grid affected.

3 a. The “Reaction Area” shall be defined initially by the boundary of Cells
4 1/2A, 2B/3, 4, and Module 2B/3/4 P2. The boundary of the Reaction Area
5 shall be modified to include the associated landfill surface area of the cells
6 and modules that experience well temperatures of at least 170 degrees
7 Fahrenheit, settlement, cracks in the landfill cover, presence and quantity
8 of liquids, the presence of hydrogen in the landfill gas, and readings of
9 temperature probes (once data is available). The Reaction Committee
10 (defined in Condition No. 12), shall transmit to the South Coast AQMD
11 [attn: Baitong Chen, bchen@aqmd.gov; Nathaniel Dickel,
12 ndickel@aqmd.gov; Christina Ojeda, cojeda@aqmd.gov]: 1) the revised
13 map which clearly displays the proposed boundary change(s) and depicts
14 the new Reaction Area; 2) a narrative summary explaining the rationale
15 behind the proposed changes, including memorializing any dissenting
16 view of any member of the Reaction Committee; 3) any supporting data
17 relied upon in the decision to revise the Reaction Area; and 4) locations of
18 each temperature probe, clearly distinguished from the landfill gas wells
19 on the map.

20 b. The Reaction Committee shall review applicable data and shall consider
21 revision to the Reaction Area as frequently as appropriate but shall make
22 a determination about whether to revise the Reaction Area map at least
23 once per month, with the determination and revised Reaction Area map (if
24 applicable) and temperature probe readings (once data is available) in an
25 Excel format, submitted to the South Coast AQMD [attn: Baitong Chen,
26 bchen@aqmd.gov; Nathaniel Dickel, ndickel@aqmd.gov; Christina
27 Ojeda, cojeda@aqmd.gov] no later 7 days following the end of the month.
28

10. Respondent shall conduct instantaneous landfill surface monitoring across the Reaction Area (as defined in Condition 9(a)) at least every two weeks as specified in Rule 1150.1, Attachment A 3.0, beginning no later than seven (7) days after the issuance of this Order. In the event Respondent is unable to monitor specific landfill surface area(s) or grid(s) due to inaccessibility or dangerous conditions for a technician, Respondent shall document the date and the conditions that do not allow the monitoring of the specific area(s) or grid(s).
11. Respondent shall continue operating its flares and landfill gas treatment system even if the emitted landfill gas exceeds the limits on total reduced sulfur and SO_x laid out in CCL's permits (Permit G55163, Condition Nos. 11 and 16 and CCL's Facility-Wide Permit, Condition No. 3) and South Coast AQMD Rules 431.1(c)(2), 3002(c)(1), and 203(b). Respondent shall include deviation reporting associated with exceedances of these emissions limits in its semi-annual Title V reports and in accordance with the requirements of Respondent's Title V permit.

Investigation of Underlying Reaction and Odor Impacts

12. Respondent shall organize a committee (the "Reaction Committee") consisting of subject matter experts to aid in the investigation, impact assessment, and remediation of the ongoing landfill reaction and resultant odors as specified below. Respondent shall, through retention of one or more consultants and/or designation of one or more new or existing employees, complete the formation of the Reaction Committee within thirty (30) days of the issuance of this Order. Respondent shall, within thirty (30) days of the issuance of this Order, or within ten (10) days of their appointment, if appointment occurs after October 6, 2023, provide to the South Coast AQMD [Baitong Chen, Air Quality Engineer, (bchen@aqmd.gov); Nathaniel Dickel, Senior Air Quality Engineer, (ndickel@aqmd.gov), and Christina Ojeda, Air Quality Inspector (cojeda@aqmd.gov)] the names of all persons included in the Reaction Committee along with a Curriculum Vitae, or other description of the individual's credentials, experience, and/or expertise in the applicable subject matter.

- a. The Reaction Committee shall include, at a minimum, at least one person with subject matter expertise in each of the following areas:

- i. Landfill design and operational best management practices;
- ii. Landfill gas collection/extraction systems, landfill gas condensate/leachate collection systems, and landfill gas control;
- iii. Chemical reaction(s) within landfills leading to formation of and elevated levels of dimethyl sulfide (“DMS”) and non-methane organic compounds (“NMOC”);
- iv. Public health relating to air quality and exposure to air contaminants including DMS. The public health member shall, at a minimum, apply CAAQS and applicable OEHHA standards, reference exposure levels, and cancer potency factors in performing analyses of potential health impacts or effects and in reaching conclusions. The public health member shall also include in any human health screening evaluation an odor assessment evaluating the potential health impact of exposure to odorants in addition to cancer and non-cancer risk determination.

b. Reaction Committee members shall be subject to ongoing oversight by the South Coast AQMD. If in the South Coast AQMD’s determination one or more members appointed by Respondent to the Reaction Committee is not serving in this capacity satisfactorily, as defined herein, South Coast AQMD may provide written notice to Respondent through Counsel that the applicable person(s) is no longer serving satisfactorily. Failure to serve in a satisfactory capacity is defined as:

- i. Failure of a Reaction Committee member to attend regularly scheduled meetings of the Reaction Committee and South Coast AQMD technical staff without prior notice;
- ii. Failure of a Reaction Committee member to meet deadlines imposed on the Reaction Committee for deliverables set forth in this Order;
- iii. Failure of the Public Health member to include the analyses required by Condition 12(a)(iv); or

- 1 i. To facilitate each meeting, Respondent shall provide South Coast
2 AQMD (attn: Baitong Chen, bchen@aqmd.gov; Nathaniel Dickel,
3 ndickel@aqmd.gov; Christina Ojeda, cojeda@aqmd.gov; Payam
4 Pakbin, ppakbin@aqmd.gov; Kathryn Roberts,
5 kroberts@aqmd.gov; Mary Reichert, mreichert@aqmd.gov) a
6 proposed agenda listing the topics to be discussed, and the
7 presenter, not later than ten (10) calendar days prior to the meeting.
8 South Coast AQMD shall have the option to expand the agenda to
9 include additional topics within the purview of the Reaction
10 Committee. If South Coast AQMD elects to expand the agenda, it
11 shall provide notice to Respondent not later than four (4) calendar
12 days prior to the meeting.
- 13 ii. Respondent shall ensure that all members of the Reaction
14 Committee with responsibility for any topic included on the
15 agenda shall attend that month's meeting. At Respondent's
16 election, additional staff or consultants may also attend. At South
17 Coast AQMD's sole discretion, it may invite any staff or consultant
18 of any regulatory agency with jurisdiction over Respondent,
19 including jurisdiction predicated on the subsurface reaction at the
20 Landfill, to participate in and provide recommendations or
21 feedback on any agenda topics.
- 22 iii. South Coast AQMD, and any personnel invited pursuant to the
23 clause above, may provide feedback or recommendations on any
24 topic on the agenda. Comments noted as "recommendations" shall
25 include suggestions to revise, change, expand, or otherwise alter
26 any aspect of the topic discussed on the agenda. All other
27 comments shall be considered feedback.
28

1 iv. Following each monthly meeting, Respondent shall prepare a
2 summary of the meeting, including the topics discussed and all
3 recommendations received. Respondent shall include in the
4 summary a response from the Reaction Committee to all
5 recommendations and, as applicable, any changes made as a result.
6 Respondent, at its election, may also include a summary of and
7 response to any feedback received. Respondent shall post the
8 summary of the meeting to the webpage created pursuant to
9 Condition No. 39, not later than twenty (20) days following the
10 meeting.

11 g. Respondent, through the Reaction Committee, shall conduct investigations and
12 studies into the cause of the landfill reaction, the impact of air emissions, interim
13 measures to limit odor transport, and corrective measures to reduce or abate the
14 landfill reaction. Such investigations shall include, at a minimum:

15 i. A study into known and possible methods for effective treatment
16 of DMS and preventative mechanisms for DMS formation in
17 landfill gas, including assessment of other landfills and review of
18 scientific studies. By no later than April 30, 2024, Respondent shall
19 provide a report detailing the findings of this Landfill Gas DMS
20 Treatment Study and the proposals for implementation of the
21 treatment methods. This report shall be submitted to South Coast
22 AQMD [Baitong Chen, Air Quality Engineer, (bchen@aqmd.gov);
23 Nathaniel Dickel, Senior Air Quality Engineer,
24 (ndickel@aqmd.gov), and Christina Ojeda, Air Quality Inspector,
25 (cojeda@aqmd.gov)]. Respondent shall submit any required
26 permit applications, with information included, for equipment
27 installations or modifications necessary for implementation of the
28 remedy strategies and/or treatment methods;

1 availability findings of this fenceline and community DMS
2 monitoring program. The findings shall identify all companies,
3 vendors, contractors, and consultants that were inquired regarding
4 the feasibility and availability and the results for each inquiry,
5 including an ultimate decision if monitoring is feasible. If the
6 Reaction Committee deems monitoring under this provision
7 feasible, Respondent shall prepare and submit to the South Coast
8 AQMD [Baitong Chen, Air Quality Engineer, (bchen@aqmd.gov);
9 Nathaniel Dickel, Senior Air Quality Engineer,
10 (ndickel@aqmd.gov), and Christina Ojeda, Air Quality Inspector,
11 (cojeda@aqmd.gov)] a workplan for the installation of and
12 operation of the required monitoring equipment and related
13 installations within thirty (30) days of the Reaction Committee's
14 decision. This workplan will include a timeline for procurement of
15 monitoring equipment and for the commencement of monitoring.
16 It will also include a timeline for reporting out on the collected
17 data, including a proposal relating to the real-time posting of
18 monitoring data on Respondent's website or other regular report-
19 outs on the data;

- 20 iv. A study and report on landfill best management practices and
21 alternative methods to minimize the release of fugitive surface gas
22 and minimize odors from fugitive surface gas, including cover
23 practices at the Reaction Area (as defined in Condition 9(a)) and
24 working face, and how best to address related odorous emissions,
25 such as through the use of misting systems, fans, odor neutralizer,
26 or other means. By no later than November 6, 2023, Respondent
27 shall submit a report detailing the findings of this Fugitive Landfill
28 Gas Odor Mitigation Study and the proposals for the minimization

1 of landfill gas release and odors. This report shall be submitted to
2 South Coast AQMD [Baitong Chen, Air Quality Engineer,
3 (bchen@aqmd.gov); Nathaniel Dickel, Senior Air Quality
4 Engineer, (ndickel@aqmd.gov), and Christina Ojeda, Air Quality
5 Inspector, (cojeda@aqmd.gov)];

6 v. A report on the known health risks from acute and long-term
7 exposure to DMS, including any action levels from other public
8 health or government entities, and including a summary of
9 recommended actions for persons exposed to DMS for acute and
10 long-term durations. By no later than January 15, 2024,
11 Respondent shall submit this report to South Coast AQMD
12 [Baitong Chen, Air Quality Engineer, (bchen@aqmd.gov);
13 Nathaniel Dickel, Senior Air Quality Engineer,
14 (ndickel@aqmd.gov), and Christina Ojeda, Air Quality Inspector,
15 (cojeda@aqmd.gov)];

16 vi. A report of the health impacts from ongoing and long-term (e.g.
17 greater than one year) exposure to hydrogen sulfide (H₂S), or other
18 speciated sulfur compounds, and any other hazardous air pollutants
19 (HAPs), as defined in the federal Clean Air Act, 42 U.S.C. § 7412.
20 The HAPs evaluated in the report shall include those which are
21 detected: (1) in landfill gas over the past twelve months at the
22 Chiquita Canyon Landfill as documented in the initial or additional
23 flux chamber study (per Condition No. 12(f)) or detected in stack
24 emissions testing; (2) in the liquids and leachate samples collected
25 and analyzed (per Condition No. 37); (3) in air sampling performed
26 to determine emissions from exposed liquids/leachate; and (4) in
27 the community pursuant to the enhanced community air
28 monitoring program in exceedance of recommended toxicity

1 screening values published by the US EPA or other applicable
2 screening values where US EPA toxicity screening values are
3 unavailable. The report shall include, but not be limited to,
4 assessment and analysis of any action levels from other public
5 health or government entities in the United States for any such
6 constituents, recommended actions for persons exposed to such
7 constituents, and recommendations on how to limit any anticipated
8 adverse health impacts. Such report shall also include a summary
9 of all findings, health impacts and recommendations in an easy-to-
10 read format designed for distribution to and use by the public. By
11 no later than August 1, 2024, Respondent shall submit this report
12 to South Coast AQMD [Baitong Chen, Air Quality Engineer,
13 (bchen@aqmd.gov); Nathaniel Dickel, Senior Air Quality
14 Engineer, (ndickel@aqmd.gov), and Christina Ojeda, Air Quality
15 Inspector, (cojeda@aqmd.gov)]; and

- 16 vii. The development of a model to estimate the rate of liquid
17 generation in the landfill, and total quantity of liquid existing
18 within the landfill waste mass at any given time (including
19 supporting assumptions, references, and calculations). By no later
20 than June 25, 2024, Respondent shall submit to South Coast
21 AQMD a report summarizing the model and results of modeling.
- 22 viii. The Reaction Committee, on behalf of Respondent, shall conduct
23 an investigation into the existing landfill gas collection and
24 conveyance piping materials (e.g. high-density polyethylene
25 (HDPE)), alternative landfill gas collection and conveyance piping
26 materials, and current landfill conditions to determine whether the
27 existing HDPE piping is appropriate for the current and expected
28 future temperature conditions at the landfill, and to determine

1 whether viable alternative landfill gas collection/conveyance
2 piping materials exist, which shall include investigation results of
3 materials used by other landfills that have experienced high
4 temperature events. The investigation shall include a study of the
5 material properties, specifications, and ratings and manufacturer's
6 operating properties of piping (e.g. HDPE) within a landfill,
7 including but not limited to, short term maximum manufacturer's
8 temperature rating, long-term manufacturer's maximum
9 temperature rating, effects and associated timeline of effects from
10 operating above manufacturer rated temperatures or specifications,
11 effects and associated timeline effects from consistent exposure of
12 piping to sunlight, ability to convey landfill gas with minimal
13 fugitive vapor leaks, and pliability for integrity of the system
14 during landfill settlement or other common landfill operations or
15 occurrences. These properties shall then be compared with several
16 landfill gas conveyance piping material alternatives. Respondent
17 shall submit a report on this investigation which includes the
18 details of the material and manufacturer operating properties and
19 specifications of piping (e.g. HDPE) and alternative piping as
20 specified above. It shall additionally detail existing and future
21 expected landfill gas temperatures within the landfill gas
22 conveyance piping, including expected temperatures within the
23 piping leaving the landfill gas extraction wells and within the
24 larger conveyance header within the Reaction Area. If applicable,
25 it shall additionally include an analysis on existing landfill gas
26 conveyance piping and future planned piping, and associated
27 piping lengths and diameters, which conveys or will convey
28 landfill gas above the existing HDPE piping's manufacturer rated

1 temperature threshold. Finally, the report shall include a
2 recommendation of the appropriate piping material to use moving
3 forward and when existing piping materials shall be replaced with
4 more robust materials or replaced with existing materials at higher
5 frequencies, at the landfill while the landfill is experiencing
6 elevated temperatures. This report shall be submitted by June 21,
7 2024 to South Coast AQMD [Baitong Chen, Air Quality Engineer,
8 (bchen@aqmd.gov); Nathaniel Dickel, Senior Air Quality
9 Engineer, (ndickel@aqmd.gov), and Christina Ojeda, Air Quality
10 Inspector, (cojeda@aqmd.gov)].

11 h. Respondent shall make public all reports resulting from investigations and studies
12 done pursuant to this Condition through a link preceded by a brief narrative
13 description on the webpage created pursuant to Condition No. 39.

14 i. Respondent has conducted an initial flux chamber study pursuant to the direction of
15 the Los Angeles County Department of Public Health. Respondent shall submit a
16 report documenting the findings of the initial study no later than October 31, 2023
17 to South Coast AQMD [Baitong Chen, Air Quality Engineer, (bchen@aqmd.gov);
18 Nathaniel Dickel, Senior Air Quality Engineer, (ndickel@aqmd.gov), and Christina
19 Ojeda, Air Quality Inspector, (cojeda@aqmd.gov)]. Respondent shall conduct an
20 additional landfill gas flux study for methane, non-methane organic compounds
21 (“NMOC”), toxic air contaminants (TAC), total reduced sulfur (“TRS”), and
22 speciated sulfur compounds to determine the surface flux throughout the landfill.
23 The study shall be conducted through the use of dynamic flux chambers oriented at
24 various locations throughout the landfill site. Respondent shall prepare a proposed
25 protocol for the study based on the results of the initial study and shall submit the
26 protocol to South Coast AQMD [Baitong Chen, Air Quality Engineer,
27 (bchen@aqmd.gov); Nathaniel Dickel, Senior Air Quality Engineer,
28 (ndickel@aqmd.gov), and Christina Ojeda, Air Quality Inspector,

(cojeda@aqmd.gov)] for review and approval by December 31, 2023. A report documenting the differences in the findings between the initial study and the additional study shall be submitted by no later than 90 days after South Coast AQMD approves the protocol to South Coast AQMD [Baitong Chen, Air Quality Engineer, (bchen@aqmd.gov); Nathaniel Dickel, Senior Air Quality Engineer, (ndickel@aqmd.gov), and Christina Ojeda, Air Quality Inspector, (cojeda@aqmd.gov)]. A report documenting the differences in the findings between the initial study and the additional study shall be submitted by June 3, 2024 to South Coast AQMD [Baitong Chen, Air Quality Engineer, (bchen@aqmd.gov); Nathaniel Dickel, Senior Air Quality Engineer, (ndickel@aqmd.gov), and Christina Ojeda, Air Quality Inspector, (cojeda@aqmd.gov)].

Landfill Gas Collection and Leachate/Landfill Gas Condensate Collection and Storage Systems

13. Respondent shall expand its gas well system. Respondent shall continue to operate the two sumps with pumps along the west slope until final design is implemented. Additional landfill gas collection equipment shall be operated as construction is completed. Respondent has installed 18 vertical dual extraction wells, and these 18 vertical dual extraction wells shall be connected to the landfill gas system by September 15, 2023 unless the circumstances outlined in Condition 13(a) apply.

a. In the event Respondent is unable to meet these deadlines due to inaccessibility or dangerous conditions for a technician, Respondent shall document the date and the conditions that do not allow the installation of the wells and/or their connection to the landfill gas system. Respondent shall submit this documentation to the South Coast AQMD and provide the South Coast AQMD with an updated date of completion for the required work.

14. Respondent shall continue to monitor each landfill gas collection system well at least monthly for at least temperature pursuant to 40 CFR Part 63 Subpart AAAA. Respondent shall address wells with a temperature reading of at least 170 degrees Fahrenheit or greater

1 in accordance with 40 CFR 63 Subpart AAAA. Notwithstanding temperature exceedances,
2 Respondent shall continue to operate all wells as necessary to ensure the continued
3 operation of the landfill gas collection system.

4 a. Consistent with Respondent's Title V permit and all applicable rules and
5 regulations, Respondent shall ensure the operation of the landfill gas
6 collection system equipment does not result in the release of raw landfill
7 gas or condensate into the atmosphere.

8 b. Any breakdown or malfunction of the landfill gas collection system
9 resulting in the emission of raw landfill gas as described in Condition 14(a)
10 shall be reported to the South Coast AQMD by phone (1-800-CUT-
11 SMOG) or other District-approved method within one hour after
12 occurrence or within one hour of the time said person knew or reasonably
13 should have known of its occurrence and immediate remedial measures
14 shall be undertaken to correct the problem and prevent further emissions
15 into the atmosphere.

16 15. Respondent shall continue to evaluate and install, as needed, vertical dual extraction wells
17 to collect both landfill gas and leachate. Respondent shall continue to expand the well-field
18 as needed, and notify South Coast AQMD by October 31, 2023 of the number of wells
19 added, attention to Baitong Chen, Air Quality Engineer, (bchen@aqmd.gov); Nathaniel
20 Dickel, Senior Air Quality Engineer, (ndickel@aqmd.gov), and Christina Ojeda, Air
21 Quality Inspector, (cojeda@aqmd.gov). Any subsequent additions to the well-field shall be
22 documented in the monthly reports pursuant to Condition No. 8. In installing any additional
23 wells, Respondent shall ensure it complies with all conditions in Respondent's currently
24 operative landfill gas collection system permit. In installing any additional wells pursuant
25 to this Condition, Respondent shall additionally take the following measures:

26 a. By January 31, 2024, Respondent shall provide to the South Coast AQMD
27 [attn: Baitong Chen, Air Quality Engineer, (bchen@aqmd.gov); Nathaniel
28 Dickel, Senior Air Quality Engineer, (ndickel@aqmd.gov), and Christina

Ojeda, Air Quality Inspector, (cojeda@aqmd.gov)] the design and installation schedule for a minimum of an additional seventy (70) wells and their associated piping. The proposed well locations and connecting piping shall be identified on a drawing which shows the entire gas collection system and shall be described in writing. Estimated gas collection volume, well depths, pipe lengths, diameters and layouts shall be supplied to the South Coast AQMD in this advance notification. Updates to the design and schedule shall be provided in the monthly report pursuant to Condition No. 8(m);

b. By January 6, 2025, unless otherwise approved in writing by the South Coast AQMD, Respondent shall install vertical landfill gas extraction wells in the initial Reaction Area (including the boundary of Cells 1/2A, 2B/3, 4, and Module 2B/3/4 P2 as defined in Condition 9(a)). These wells shall be fully operational, working wells with the ability to extract landfill gas within the depths of the landfill waste mass and deliver it to the gas control system(s). Respondent shall achieve a vertical gas extraction well density of, at a minimum, an average of three (3) wells per acre within the initial Reaction Area stated above, and within the estimated extent of elevated temperature landfill conditions as depicted by the Reaction Committee in their monthly determinations submitted in accordance with Condition 9(a). The wells shall be installed with even dispersion, achieving a well density of at least two (2) vertical extraction wells per acre, except for the areas demarcated in the attached Exhibit A to this Modified Stipulated Order. The following interim deadlines shall apply to this Condition 15(b):

i. By July 1, 2024, installation of 50% of wells necessary to achieve the well installation density; and

- 1 ii. By October 1, 2024, installation of 75% of wells necessary to
2 achieve the well installation density.
- 3 c. While installing wells pursuant to Conditions 15(a) and 15(b), Respondent
4 shall notify the South Coast AQMD [attn: Baitong Chen, Air Quality
5 Engineer, (bchen@aqmd.gov); Nathaniel Dickel, Senior Air Quality
6 Engineer, (ndickel@aqmd.gov), and Christina Ojeda, Air Quality
7 Inspector, (cojeda@aqmd.gov)] in writing, by Friday of each week, which
8 wells are scheduled to be installed the following week;
- 9 d. Following installation of all wells pursuant to Conditions 15(a) and 15(b),
10 Respondent shall notify the South Coast AQMD in writing [attn: Baitong
11 Chen, Air Quality Engineer, (bchen@aqmd.gov); Nathaniel Dickel,
12 Senior Air Quality Engineer, (ndickel@aqmd.gov), and Christina Ojeda,
13 Air Quality Inspector, (cojeda@aqmd.gov)] at least one (1) week in
14 advance when an additional well or set of wells and their associated piping
15 will be installed. The information required by Condition 15(a) shall be
16 included in the notification. Updates to the design and schedule shall be
17 provided in the monthly report pursuant to Condition No. 8(m);
- 18 e. During any well drilling a landfill gas control box shall be used to prevent
19 the emissions of landfill gas into the atmosphere, and this control box shall
20 be vented to an approved emissions control system;
- 21 f. Each well shall be completed and capped the same day its construction
22 commences, unless the well hole is completely covered (using a minimum
23 8'x 8' at least 0.25" thick steel plate, and 12 inches depth of clean dirt), or
24 the subsequently installed pipe is capped;
- 25 g. Each gas collection well shall be connected to an operating landfill gas
26 header or the ends of the well shall be sealed with blind flanges, glued or
27 fused caps, or other types of seals approved by the South Coast AQMD as
28 soon as the well is installed;

- 1 h. All openings and connections of the landfill gas collection system shall be
2 properly covered and sealed to prevent leaks in accordance with
3 Respondent's Title V Permit and in accordance with all applicable rules
4 and regulations;
- 5 i. Respondent shall install additional stainless steel, carbon steel, or
6 chlorinated polyvinyl chloride (CPVC) wells in the Reaction Area per
7 recommendation of the Reaction Committee. Stainless steel or carbon
8 steel shall be installed for any well which has gas temperatures exceeding
9 170 degrees Fahrenheit;
- 10 j. Following the installation of additional wells per Conditions 15(a) and
11 15(b), Respondent shall replace any wells in the Reaction Area which are
12 damaged, blocked, pinched, or which have gas temperatures exceeding
13 145 degrees Fahrenheit with CPVC wells, carbon steel, and/or stainless
14 steel wells, or add new wells that replace the landfill gas extraction
15 capacity. Within 7 days of discovery of any such well, Respondent shall
16 notify South Coast AQMD in writing [attn: Baitong Chen, Air Quality
17 Engineer, (bchen@aqmd.gov); Nathaniel Dickel, Senior Air Quality
18 Engineer, (ndickel@aqmd.gov), and Christina Ojeda, Air Quality
19 Inspector, (cojeda@aqmd.gov)] of a proposed installation schedule.
20 Installation shall take place within 7 days of the notification, whenever
21 feasible, but the schedule shall take into account availability of drilling
22 equipment, replacement materials, and weather and safety conditions.
23 Following initial notification, Respondent shall update South Coast
24 AQMD in writing every 7 days until the well installation is complete, with
25 evidence substantiating the delay, and additionally shall provide an
26 updated installation schedule.
- 27 k. Respondent shall, once additional/adequate gas extraction capacity is
28 installed, operate gas extraction wells with less than 3 percent oxygen

1 where feasible, and follow landfill best management practices to keep the
2 oxygen below 5 percent in interior wells;

3 l. Respondent shall install well boots seals on all wells in the Reaction Area
4 in accordance with the installation schedule for the geosynthetic cover that
5 is being installed pursuant to Condition No. 32 and consistent with
6 requirements of the Local Enforcement Agency;

7 m. Respondent shall submit semi-annual as-built drawings in duplicate to the
8 South Coast AQMD [attn: Baitong Chen, Air Quality Engineer,
9 (bchen@aqmd.gov); Nathaniel Dickel, Senior Air Quality Engineer,
10 (ndickel@aqmd.gov), and Christina Ojeda, Air Quality Inspector,
11 (cojeda@aqmd.gov)]. As-built drawings shall depict all wells constructed
12 to date.

13 n. As of April 25, 2024, all new vertical extraction wells installed within the
14 Reaction Area (as defined in Condition 9(a)) shall be dual extraction wells
15 with the ability to extract both landfill gas and liquid/leachate within the
16 well, to maximize landfill gas collection and prevent liquid/leachate build-
17 up within wells and within the landfill. Dewatering pumps and associated
18 infrastructure (pneumatic supply piping, liquid forcemain piping, etc.)
19 shall be installed, allowing the pump at each well to be capable of
20 operation. For 75% of wells, installation of all associated infrastructure
21 shall be completed within 30 days of completion of the vertical extraction
22 well drilling operation. For the remaining 25% of wells, installation of all
23 associated infrastructure shall be completed within 60 days of completion
24 of the vertical extraction well drilling operation. This sub-condition shall
25 supersede the specific language listed in Condition No. 15 allowing
26 Respondent to evaluate and install vertical dual extraction wells as needed.

27 16. Respondent shall submit, by October 6, 2023, a complete permit modification application
28 for the Landfill Gas Collection System (under Permit G43917, A/N 578102) to increase the

number of permitted wells in the well field. The submittal shall be accompanied with a complete Title V Revision application and shall be submitted with an expedited permit processing request and associated required fees, forms, and information.

17. Respondent shall expeditiously dewater wells being impacted by liquids to the maximum extent feasible, and shall take proactive measures to remove additional liquids in the Reaction Area to limit the reaction severity and spread. This shall be accomplished through the installation of dewatering sumps/pumps of at least 60 percent of the landfill gas vertical extraction wells in the Reaction Area (as defined in Condition 9(a)) that are capable of extracting liquids by March 15, 2024 unless otherwise determined infeasible per Condition No. 17(a). below. Respondent shall provide updates in the monthly reports pursuant to Condition No. 8.

- a. In the event Respondent determines that the installation of dewatering sump/pumps of at least 60 percent of the landfill gas vertical extraction wells that are capable of extracting liquids to be infeasible, Respondent shall provide detailed rationale and reasoning in the monthly report submitted pursuant to Condition No. 8 and shall continue with implementation of the dewatering guidelines pursuant to Condition No. 18 to remove liquids to the maximum extent possible.

18. Respondent shall, in addition to the installation of dewatering sumps/pumps specified in Condition No. 17 above, within ninety (90) days of the issuance of the Initial Order, provide proposed Reaction Area dewatering guidelines and implementation procedures for the landfill to South Coast AQMD (Baitong Chen, Air Quality Engineer, (bchen@aqmd.gov); Nathaniel Dickel, Senior Air Quality Engineer, (ndickel@aqmd.gov)) that include but are not limited to the following:

- a. Proposed methodologies and monitoring procedures that determine the level of dewatering within the Reaction Area (as defined in Condition 9(a)) wells impacted by liquid. Methods may include the measurement of the gas flow at each landfill gas collection well impacted by liquids;

- b. Use of dewatering pumps or other methods to remove liquids from Reaction Area (as defined in Condition 9(a)) wells impacted by liquids;
- c. An implementation plan for the use of dewatering pumps or other methods to remove liquids from the Reaction Area wells impacted by liquids. The plan shall include a list of wells in the Reaction Area and depth where liquids are expected to impact landfill gas collection efficacy or be a concern, the proposed action to remove the liquids, and the schedule for liquid removal. The implementation plan shall also include pro-active measures, such as additional dewatering pumps, to be installed at landfill gas collection wells where liquid impaction issues have not yet occurred, but may be expected to occur.
- d. Upgrades to the site leachate collection system as needed, including through the addition of increased air compressor and/or drain line infrastructure;
- e. Protocols for the pumping and monitoring of dewatering pumps and other such methods to remove water from Reaction Area (as defined in Condition 9(a)) wells impacted by liquids;
- f. Well field liquid sounding in the Reaction Area (as defined in Condition 9(a)), and a proposed schedule for conducting liquid sounding on a consistent basis;
- g. A timeline for appropriate reporting on impacted wells;
- h. The feasibility of integrity testing of all vertical gas wells in the Reaction Area (as defined in Condition 9(a)) and a timeline and protocol for addressing any wells that the integrity testing demonstrates are damaged or are exhibiting temperatures of at least 170 degrees Fahrenheit; and
- i. A timeline for implementation of appropriate dewatering procedures upon discovery of wells impacted by liquids.

Respondent shall, within 14 calendar days of approval of this Order, revise the dewatering guidelines according to the comments received by email on March 13, 2024, and re-submit the revised dewatering guidelines to South Coast AQMD for final written approval. The proposed Reaction Area dewatering guidelines and implementation procedures shall be

implemented within seven (7) days of South Coast AQMD approval, and shall be implemented to the maximum extent feasible if Respondent's facility is encountering leachate tank capacity shortages. If any conflict exists between any condition or requirement of this Order and any part of the South Coast AQMD approved Dewatering Guidelines, this Order shall take precedence over the approved Dewatering Guidelines and Respondent shall submit revised Dewatering Guidelines that resolve such a conflict to South Coast AQMD for final written approval.

19. Respondent shall submit, by October 6, 2023, a complete permit modification application to the Landfill Gas Condensate and Leachate Collection/Storage System (under Permit G66132, A/N 613131) to increase the landfill's liquid storage capacity. The submittal shall be accompanied with a complete Title V Revision application and shall be submitted with an expedited permit processing request and associated required fees, forms, and information.

20. Respondent shall increase its landfill gas control capacity. Respondent has submitted a permit application for a new 6,000 scfm ultra-low emissions landfill gas flare (Flare No. 3), which is currently in a public comment period. Once the flare is fully permitted and fully operational equipment is received, Respondent shall have forty-five (45) days to finish installation and begin operating the new landfill gas flare unless the circumstances outlined in Condition No. 20(a) apply. Respondent shall notify the South Coast AQMD that the new landfill gas flare is operational within 48 hours of beginning operation (Baitong Chen, Air Quality Engineer, (bchen@aqmd.gov); Nathaniel Dickel, Senior Air Quality Engineer, (ndickel@aqmd.gov), and Christina Ojeda, Air Quality Inspector, (cojeda@aqmd.gov)).

a. In the event Respondent is unable to meet these deadlines due to inaccessibility or dangerous conditions for a technician, Respondent shall document the date and the conditions that do not allow the installation of the new flare. Respondent shall submit this documentation to the South Coast AQMD and provide the South Coast AQMD with an updated date of completion for the required work.

- 1 21. Respondent shall submit, by October 31, 2023, a complete permit application for the new
2 construction of a Landfill Gas Flare (Flare No. 4) to increase the landfill gas control
3 capacity. The submittal shall be accompanied with a complete Title V Revision application
4 and shall be submitted with an expedited permit processing request and associated required
5 fees, forms, and information.
- 6 22. Respondent shall continue to use one or multiple portable thermal oxidizer(s)/flare(s) that
7 operate under a permit to operate or temporary permit to operate for additional landfill gas
8 control capacity until the Reaction Committee concludes that such portable thermal
9 oxidizer(s)/flare(s) are no longer needed. Respondent shall notify the South Coast AQMD
10 as to the Reaction Committee's recommendation within 48 hours of when the Reaction
11 Committee's recommendation was determined (Baitong Chen, Air Quality Engineer,
12 (bchen@aqmd.gov); Nathaniel Dickel, Senior Air Quality Engineer, (ndickel@aqmd.gov),
13 and Christina Ojeda, Air Quality Inspector, (cojeda@aqmd.gov)).
- 14 23. Respondent shall continue to use both 4,000 scfm flares (under Permit No. G73696, A/N
15 645450) when the Reaction Committee determines that such use is necessary due to
16 insufficient flaring capacity or other such necessity-based situations, until the second new
17 6,000 scfm ultra-low emissions flare (Flare No. 4) referenced in Condition No. 21 is
18 permitted and operational.
- 19 24. Respondent shall operate and maintain the landfill so as to prevent standing leachate and
20 the pooling or ponding of leachate exposed to atmosphere throughout the facility. If pooling
21 or ponding of liquid/leachate is occurring, safety permitting, the liquid/leachate shall be
22 immediately collected and contained in a sealed tanker truck or leachate tank that minimizes
23 emissions, or repairs promptly performed to redirect leachate into the leachate collection
24 system.
- 25 25. Respondent shall, when encountering landfill leachate geysers or other discharges of
26 pressurized leachate as a result of drilling/maintenance/other operations, perform actions to
27 mitigate odors and the dispersion and exposure of leachate into the atmosphere, to the
28 maximum extent possible. Upon the equalization of pressure or diminished flow/end of the

landfill leachate geysers or other discharges of pressurized leachate, Respondent shall remove soil saturated with leachate or add sufficient dry soil cover to the soil saturated with the leachate, to mitigate the potential for odors from the saturated soil.

26. Respondent shall investigate and report on the feasibility of temporary containment measures for the purposes of controlling leachate and possible discharges of pressurized leachate when drilling additional holes for wells, liquid pumps, temperature devices, or other purposes. This Discharge of Pressurized Leachate Containment Feasibility Study shall include an analysis on the feasibility of a temporary tenting, containment vessel(s)/dome(s), other enclosure(s), or partial enclosure system designed to collect and contain the leachate flow while limiting the escape of odors produced from drilling/discharges of pressurized leachate, to allow for additional well drilling in the Reaction Area. By no later than March 12, 2024, Respondent shall submit to South Coast AQMD [Baitong Chen, Air Quality Engineer, (bchen@aqmd.gov); Nathaniel Dickel, Senior Air Quality Engineer, (ndickel@aqmd.gov), and Christina Ojeda, Air Quality Inspector, (cojeda@aqmd.gov)], a report on the findings of this feasibility study.

27. Respondent shall conduct the following actions and report them to South Coast AQMD [Baitong Chen, Air Quality Engineer, (bchen@aqmd.gov); Nathaniel Dickel, Senior Air Quality Engineer, (ndickel@aqmd.gov), and Christina Ojeda, Air Quality Inspector, (cojeda@aqmd.gov)] in each monthly report submitted pursuant to Condition No. 8, beginning with the report due on February 19, 2024:

- a. Measure and record the leachate temperature within all the 6-inch leachate pipes feeding into the onsite frac tanks, and at the piping leading into the tanks at all tank farms. The temperature measurements reported shall include a map clearly indicating temperature monitoring location(s), and the reported results shall clearly state which tank(s) or tank farm(s) are downstream of the monitoring location, receiving the measured leachate;
- b. Respondent shall have dedicated staff or a contractor conduct and document inspections twice each calendar day, once in the morning,

1 completing the inspection prior to 10 am, and once in the afternoon,
2 starting the inspection at 1 pm at the earliest. The inspections shall begin
3 with the surface of the Western and Northern slopes of the Reaction Area
4 for liquid/leachate seepage and pooling and shall additionally consist of
5 inspecting the facility's stormwater channel(s), and the facility's
6 stormwater basin(s). Respondent shall maintain records from each
7 inspection that include the details of any leachate seepage and pooling,
8 including location(s) (identified on graphic map(s) of the landfill, with the
9 subject landfill surface grid, and GPS coordinates), time discovered,
10 estimated duration of presence of leachate at such locations, the
11 characteristics of the leachate (estimated quantity in gallons, extent of area
12 impacted in square footage, odor type and intensity), the leachate
13 saturation level of surrounding soils (standing free liquid, saturated, semi-
14 dry, dry), and additional containment systems or measures deployed to
15 route, collect, and contain the exposed leachate and prevent further
16 leachate exposure

17 i. In the event that two weeks of twice daily inspections show no
18 exposed liquid/leachate seepage or pooling, Respondent may
19 reduce the inspection frequency to once daily. If after another two
20 weeks of daily inspections, no exposed liquid/leachate seepage or
21 pooling is observed, Respondent may reduce the inspection
22 frequency to once every other day during the operating week (i.e.,
23 three times each operating week). If at any point inspections show
24 exposed liquid/leachate seepage or pooling, inspection frequency
25 shall return to twice daily inspections.

26 c. On a weekly basis, compile and report the details of the inspection logs
27 from that calendar week required under Condition 27(b). Respondent shall
28 additionally report on any ongoing leachate seepage and pooling at the

landfill, found to have occurred at a location more than once within the calendar week, including location(s) (identified on graphic map(s) of the landfill), estimated duration of presence of leachate at such locations, characteristics of leachate (estimated quantity, extent of area impacted, odor type and intensity), leachate saturation of surrounding soils (standing free liquid, saturated, semi-dry, dry), and containment systems or measures deployed to route, collect, and contain the exposed leachate and prevent further leachate exposure. By no later than January 23, 2024, Respondent shall submit to South Coast AQMD [Baitong Chen, Air Quality Engineer, (bchen@aqmd.gov); Nathaniel Dickel, Senior Air Quality Engineer, (ndickel@aqmd.gov), and Christina Ojeda, Air Quality Inspector, (cojeda@aqmd.gov)], the first weekly report, and shall submit an additional weekly report every 7 calendar days thereafter;

d. Measure and record quantities of leachate sent off-site for disposal/treatment during the previous week for so long as all leachate is transported offsite for disposal. Records shall include the associated company name and physical address of the off-site disposal/treatment facility(ies) that receive leachate generated by the landfill. If Respondent begins onsite treatment, it shall also record on a weekly basis quantities of leachate collected and leachate treated onsite. Respondent shall report this information in the monthly reports pursuant to Condition 8(c). Respondent shall submit copies of the manifests to South Coast AQMD within three weeks of request.

28. Respondent shall operate and maintain the landfill gas collection and control system, and condensate/leachate collection system with materials capable of handling gases and/or liquids at the temperatures recorded at landfill gas wells and/or the leachate temperatures measured pursuant to Condition No. 27(a). This shall include, but is not limited to, landfill gas extraction wells, liquid/leachate extraction wells, sumps, pumps, piping, French drain

1 system(s), landfill gas treatment and control equipment, and condensate/leachate storage
2 equipment. Respondent shall utilize casing materials for wells with elevated temperatures
3 as agreed upon with the LEA. Information pertaining to the installed equipment and its
4 specifications, including material/temperature threshold specifications, shall be provided to
5 South Coast AQMD personnel within 48 hours of request. If Respondent is not in
6 possession of this information, it shall be requested from the manufacturer within 24 hours
7 of request by South Coast AQMD personnel and provided to South Coast AQMD personnel
8 within 24 hours of receipt from the manufacturer.

- 9 29. Respondent shall ensure it has proper capacity (based on reporting pursuant to Condition
10 8) to accumulate onsite and/or dispose of collected liquids/leachate at an appropriate facility
11 or facilities.

12 **Landfill Cover**

- 13 30. Respondent shall visually inspect the landfill cover and geosynthetic cover(s) in and around
14 the Reaction Area (as defined in Condition No. 9(a)) each operating day and shall promptly
15 repair any cover issues identified, which may include adding and spreading of clean soil,
16 wetting, retracking any damaged area, and repairing or resealing of the geosynthetic cover.
17 All repair and correction actions to the landfill cover, and interim repair of geosynthetic
18 cover shall be conducted promptly and no later than two hours after identification during
19 inspection, safety permitting. Permanent repair of geosynthetic cover shall be scheduled
20 immediately and shall take place as soon as possible following identification of cover issue.
21 Respondent shall maintain a log demonstrating that it has addressed any damages to the
22 landfill cover or geosynthetic cover, including the date the damage was identified, the action
23 taken to repair the damage, and the time at which the repair was completed. Results of the
24 daily inspection and the repair log required by this condition shall be included in the
25 monthly reports required pursuant to Condition No. 8.

- 26 31. Respondent shall install a geosynthetic cover over western portions of Module 2B/3/4 Phase
27 2, Module 2B/3, and Module 4 to limit the migration of landfill gas from the site.
28 Respondent shall submit the completed design for the cover, which will provide greater

1 definition to the cover location, including associated landfill gas extraction infrastructure
2 to be installed underneath the cover, to the South Coast AQMD by September 12, 2023
3 (Baitong Chen, Air Quality Engineer, (bchen@aqmd.gov); Nathaniel Dickel, Senior Air
4 Quality Engineer, (ndickel@aqmd.gov), and Christina Ojeda, Air Quality Inspector,
5 (cojeda@aqmd.gov)). Respondent shall then obtain and install the geosynthetic cover
6 material of at least 30 mil thickness. Respondent shall notify South Coast AQMD by
7 October 31, 2023 (Baitong Chen, Air Quality Engineer, (bchen@aqmd.gov); Nathaniel
8 Dickel, Senior Air Quality Engineer, (ndickel@aqmd.gov), and Christina Ojeda, Air
9 Quality Inspector, (cojeda@aqmd.gov)) on the progress of procuring and installing the
10 geosynthetic cover. Respondent shall include updates on the procurement and installation
11 of the geosynthetic cover in the monthly reports pursuant to Condition No. 8.

12 **Ambient Air, Leachate & Emissions Monitoring**

13 32. The Reaction Committee shall review air dispersion modeling, smoke release studies, and
14 computational fluid dynamics (“CFD”) modeling that have previously been completed for
15 the landfill to assess odor and emissions transport into the nearby community. The Reaction
16 Committee shall use the previous models updated with current datapoints to undertake a
17 study to determine odor and emission transport of odors from the landfill and to identify
18 effective techniques that may be used to remedy potential odor impacts on the nearby
19 community. The study shall include an evaluation of the efficacy of odor control measures,
20 including but not limited to perimeter misting equipment, wind barriers, wind cutter fans,
21 and odor dispersion/misting fans, for purposes of minimizing odors in the surrounding
22 community. The study shall be based on both the landfill’s current and projected closure
23 in 2047, topography and configuration. The study shall include, but not be limited to,
24 identifying transport trajectories and quantifying odor gas concentrations within the
25 surrounding community. Upon completion of the study, a written report documenting the
26 study and the findings, shall be submitted to South Coast AQMD by December 1, 2023.
27 [Baitong Chen, Air Quality Engineer, (bchen@aqmd.gov); Nathaniel Dickel, Senior Air
28

Quality Engineer, (ndickel@aqmd.gov); Christina Ojeda, Air Quality Inspector, (cojeda@aqmd.gov)].

a. The report shall include a recommendation on whether additional modeling is recommended to fully address the current odor circumstances at the landfill and potential odor impacts on the nearby community.

b. If such additional modeling is recommended by the Reaction Committee, the Reaction Committee shall, within 45 days of providing the report and recommendation, provide a proposal to the South Coast AQMD that shall, at a minimum, include the following:

i. The identification and qualifications of the primary personnel and/or firms proposed to conduct the study, as well as the specific techniques and location(s) where the study will be conducted;

ii. A timeline for completion of the study and submittal of the final written reports to South Coast AQMD no later than 150 days after South Coast AQMD approval of the study proposal.

c. Since the Reaction Committee recommended additional modeling, Respondent shall, within 14 calendar days of approval of this Order, revise the air modeling study proposal according to the comments received by email on March 28, 2024, and re-submit the revised proposal to South Coast AQMD for approval. Respondent shall submit a final written report on the additional modeling to South Coast AQMD by September 2, 2024 or 90 days following approval of the air modeling study proposal by South Coast AQMD, whichever is later.

33. Respondent shall follow the direction of DPH to expand and enhance its current ambient air monitoring program to include DMS and other constituents of landfill gas, sampling at residential locals where recent odor complaints have been reported and at on-site locations where odors are most pronounced, and to conduct a flux chamber study (the "initial" flux chamber study discussed in Condition No. 12(d)). Any reports submitted to DPH related to these studies shall also be submitted to the South Coast AQMD (Baitong Chen, Air Quality

Engineer, (bchen@aqmd.gov); Nathaniel Dickel, Senior Air Quality Engineer, (ndickel@aqmd.gov), and Christina Ojeda, Air Quality Inspector, (cojeda@aqmd.gov)).

34. By January 19, 2024, Respondent shall provide South Coast AQMD with access to all real-time continuous monitoring data for PM2.5, PM10, and H2S recorded at all monitoring stations (MS-01 through MS-12, and any subsequent additional monitoring stations). Respondent shall by January 19, 2024 or within 5 calendar days after enhanced monitors are brought online, provide South Coast AQMD with access to all real-time continuous monitoring data for total reduced sulfur (TRS) and toxic air contaminants (TAC) recorded by the enhanced monitors (MS-04, MS-12, and any additional enhanced monitors thereafter, including additional monitors as required by Condition No. 36.).

a. Within 30 days of this issuance of this Modified Order, Respondent shall ensure that weekly benzene and live, real-time H2S and methane concentration data from all monitors and/or 24 hour samples within the Val Verde and surrounding community are posted to and accessible at the webpage created pursuant to Condition 39 for public access, displayed in an easy to read graphical format plot with compound concentration (y-axis) in parts per billion volume (ppbV) vs. time (x-axis) in DD/MM/YYYY HH:MM format, which is simple to review and understand. The compounds concentration data displayed in the graphical plot in ppbV shall be plotted based on the finalized data as reported by the testing laboratory or monitoring device ensuring all significant figures are preserved and without rounding. The display shall allow the public to determine the benzene and real-time H2S and methane concentration, and the geographic location where the concentration is monitored. The graphical format plot shall additionally reference and display a horizontal dotted or dashed line for each compound's respective Reference Exposure Level (REL) (as applicable) established by California Office of Environmental Health Hazard Assessment (OEHHA): (1) the acute 1-hour OEHHA REL for H2S, which is the same as the state-level standard for this compound (30 ppb), and (2) the acute 1-hour OEHHA REL for benzene (8 ppb).

- 1 i. Real-time data shall include, but not be limited to, chronological one-hour
2 average H2S concentrations as time series at each monitoring location. Wind
3 speed and direction shall also be included, if currently monitored by
4 Respondent.
- 5 ii. The website shall include a map which clearly marks the location of each air
6 monitoring station.
- 7 b. Within 30 days of this issuance of this Order, weekly data (from Saturday at 12:00
8 am to Friday at 11:59 pm) collected by these monitors shall be made available on the
9 webpage created pursuant to Condition No. 39, in a manner which allows for user
10 defined data download, no later than the following Monday at 5:30 pm. Data from
11 these monitors shall be kept on file and made available to South Coast AQMD
12 personnel upon request.
- 13 i. In the event of unexpected downtime of a monitor, bump tests, maintenance,
14 or other scenario which may result in missing data or test data being recorded,
15 by March 29, 2024, Respondent shall provide flags or other visual indicators
16 on its website (created pursuant to Condition No. 39) for each data point/set
17 that clearly indicate and document the range of dates/times with the missing
18 or affected data, and indicate the reason for the missing or affected data.
- 19 c. Respondent shall, by April 30, 2024, retain a third party to develop and install a
20 system that provides automatic electronic notification via email for any exceedance
21 of the applicable 1-hour NAAQS, CAAQS, or acute 1-hour OEHHA REL, whichever
22 is lower (both in time and concentration) based on a time weighted average for
23 benzene and H2S monitored in real-time by Respondent's monitoring network within
24 the surrounding community (MS-06 through MS-12) by May 30, 2024. Respondent
25 shall be responsible for the third party including in such system a method for members
26 of the public to sign up to receive such notifications without any personally
27 identifying information (including email address) being disclosed to Respondent.
28

Respondent shall be responsible for the third party putting into effect the notification system within three business days of direction from South Coast AQMD.

35. Respondent shall, by January 19, 2024, provide all standard operating procedures (SOPs) and any other Quality Control and Quality Assurance (QA/QC) documents describing the operation and maintenance of all instruments used at the air monitoring stations and/or enhanced monitoring stations specified in Condition No. 34. These QA/QC documents shall include detailed information on the calibration, and maintenance of the monitoring equipment and associated instrumentation, and procedures used for data handling, validation, and analysis. They shall additionally include the frequency/schedule of these actions. Respondent shall provide these QA/QC documents to South Coast AQMD [Baitong Chen, Air Quality Engineer, (bchen@aqmd.gov); Nathaniel Dickel, Senior Air Quality Engineer, (ndickel@aqmd.gov); Christina Ojeda, Air Quality Inspector, Payam Pakbin, Atmospheric Measurements Manager, ppakbin@aqmd.gov)]. Respondent shall provide updates to these QA/QC documents (if any) and a log for calibration, and maintenance activities performed on the monitors in the monthly reports pursuant to Condition No. 8.

a. Respondent shall provide South Coast AQMD with the same access that Respondent has to on-site and off-site monitoring equipment. With respect to on-site monitoring equipment, Respondent may require all visitors, including South Coast AQMD staff, to don appropriate personal protective equipment. Upon request by South Coast AQMD, Respondent shall, within 24 hours, provide a list of all personal protective equipment that Respondent deems appropriate for accessing the monitoring equipment. Respondent shall not prohibit South Coast AQMD staff from access to Respondent's facility, including the monitoring equipment, if South Coast AQMD staff don all personal protective equipment included on a list issued by Respondent pursuant to this condition. With respect to off-site monitoring equipment, South Coast AQMD shall arrange permission from third-party property owners for access, if

necessary, and Respondent shall provide access to equipment and accompany South Coast AQMD personnel.

b. Respondent shall implement quality control measures (such as span and blank checks, calibration, etc.) as specified by South Coast AQMD to ensure the accuracy of their monitoring network within 30 days of notification.

i. If, following receipt of notification from South Coast AQMD, Respondent disputes the need to take one or more specified quality control measures, Respondent shall submit a response letter to the South Coast AQMD (attn: Stephen Dutz, sdutz@aqmd.gov) not later than 20 days prior to the time for implementation which details the dispute or objection, including provision of supporting evidence as applicable. Respondent shall further propose not less than 3 potential time slots for a virtual meeting during South Coast AQMD business hours where appropriate staff or consultants from Respondent are able to discuss the matter with South Coast AQMD.

ii. If Respondent follows the procedures outlined in Condition No 35(b)(i) above, the deadline for implementing the disputed quality control measures shall be delayed until a further deadline is set by South Coast AQMD in a response determination.

iii. If EPA requires Respondent to take any action that is inconsistent with quality control measures specified by South Coast AQMD under this Condition 35(b) with respect to the MicroGCs, Respondent shall immediately contact the South Coast AQMD [attn: Steven Dutz, sdutz@aqmd.gov; Kathryn Roberts, kroberts@aqmd.gov; Mary Reichert, mreichert@aqmd.gov] and describe the inconsistency. Respondent shall endeavor to resolve the inconsistency with the Executive Officer, while adhering to the measures specified by EPA.

36. Respondent shall, by May 1, 2024, install and maintain instrumentation within the nearby residential community, at sites MS-10 and MS-12, as defined in Respondent's existing

1 Community Air Monitoring Program. These instruments shall be capable of measuring
2 hourly concentrations of benzene, toluene, ethylbenzene, xylenes, and other relevant
3 volatile organic compounds (VOC) with site surface emissions greater than 1 ton/year, as
4 indicated in Table 5.5 of the Chiquita Canyon Landfill Assessment of Air Emissions from
5 Landfill Surfaces Report dated October 2023. While long-term solutions for permanent
6 power are implemented and any necessary permits and approvals by regulatory agencies
7 for permanent power are obtained, these instruments will be installed and put into operation
8 using temporary power to allow for continuous measurements of all volatile organic
9 compounds required. It is recognized that the use of temporary power may not guarantee
10 the uninterrupted operation of these instruments. Respondent shall develop a monitoring
11 plan that utilizes reliable and field-proven instrumentation, such as a micro gas
12 chromatograph (MicroGC) with pre-concentration, and seek approval from South Coast
13 AQMD. Respondent shall request and pay for expedited processing of all permits and
14 procurement of the instruments, if available. To ensure Respondent is on schedule to
15 complete installation within the 75 days, Respondent shall provide the South Coast AQMD
16 (attn: Kathryn Roberts, [kroberts@aqmd.gov](mailto: kroberts@aqmd.gov); Mary Reichert, [mreichert@aqmd.gov](mailto: mreichert@aqmd.gov)) an
17 update at intervals of 30 days and 60 days from the issuance of the Order. Respondent shall
18 specifically address whether it believes an extension is necessary and provide supporting
19 documentation if it is seeking such extension. The AQMD may grant an extension of up to
20 60 days as appropriate based on the evidence submitted.

- 21 a. Upon installation, data from these instruments shall be made available to
22 the public via the publicly accessible webpage detailed in Condition No.
23 34. The display shall additionally reference and display the acute 1-hour
24 Reference Exposure Levels (RELs) for any compounds with established
25 acute exposure limits by California Office of Environmental Health
26 Hazard Assessment (OEHHA).
- 27 b. Until installation of the additional instrumentation is complete,
28 Respondent shall increase the number of 24-hour time integrated canister

sampling and analysis taken and analyzed for VOCs at MS-06 through MS-12 to three times per week.

37. Respondent shall, by March 5, 2024, take at least ten liquid samples from wells with pumps located in the Reaction Area, including wells with the highest average temperatures to the extent feasible. Respondent shall submit the liquid samples to a laboratory for analysis. Sampling and analysis shall be performed per U.S. EPA Method 624.1. Respondent shall, within 1 week of receipt from the contract laboratory, submit the results to South Coast AQMD (Baitong Chen, Air Quality Engineer, (bchen@aqmd.gov); Nathaniel Dickel, Senior Air Quality Engineer, (ndickel@aqmd.gov), and Christina Ojeda, Air Quality Inspector, (cojeda@aqmd.gov)). With the results, Respondent shall also submit laboratory analysis from samples taken on October 20, 2023 from leachate seeps on the western slope of the Reaction Area.

38. Respondent shall take at least one representative monthly sample of liquids from the Reaction Area of the Landfill and at least one representative monthly sample of leachate from the bottom tanks where liquids/leachate from the entire Landfill collect and analyze them per U.S. EPA Method 624.1 for the presence of volatile organic compounds (VOCs) and toxic air contaminants (TACs). In the event that Respondent demonstrates, to the satisfaction of South Coast AQMD, that generated liquid/leachate is sufficiently collected with no remaining seepage or potential for discharges of pressurized leachate, then the leachate sampling and analysis shall be reduced to a quarterly schedule. If further leachate seepage or discharges of pressurized leachate are found to occur, resulting in the exposure of the liquid/leachate to atmosphere, then the sampling and analysis shall return to a monthly schedule. Respondent shall, within 1 week of receipt from the contract laboratory, post the analytical results on Respondent's website, and provide to South Coast AQMD along with a detailed description and depiction of the sampling locations (Baitong Chen, Air Quality Engineer, (bchen@aqmd.gov); Nathaniel Dickel, Senior Air Quality Engineer, (ndickel@aqmd.gov), and Christina Ojeda, Air Quality Inspector, (cojeda@aqmd.gov)).

Community Outreach

39. Respondent shall continue to maintain and update regularly (on a weekly basis) a dedicated page of its website with a highly visible link on its homepage (the “odor mitigation section”) for presenting information discussing odor mitigation at CCL. Such webpage shall include all information in English and Spanish. Subsequent reports posted on the webpage shall be sent to a translation service within 2 business days of posting on the webpage, and shall be translated and uploaded to the webpage within 2 business days of receipt from translation service. Such webpage shall also meet the following requirements:
- a. The odor mitigation webpage shall be accessible via a direct hyperlink included on the homepage of CCL’s website (<https://chiquitacanyon.com>), via a clickable link with text stating “Odor Mitigation;”
 - b. The odor mitigation webpage shall display prominently at the top of the page a notification that complaints of any odors believed to be caused by CCL can be made to CCL (24-Hour Hotline) at (661) 253-5155;
 - c. The odor mitigation webpage shall display prominently at the top of the page a notification that complaints may also be submitted to the South Coast Air Quality Management District via telephone at 1 (800) CUT-SMOG or 1 (800) 288-7664 or online on South Coast AQMD’s website (which shall hyperlink to the following: <http://www3.aqmd.gov/webappl/complaintsystemonline/NewComplaint.aspx>);
 - d. The odor mitigation webpage shall include a “Recent Updates” section which shall provide a narrative description of Respondent’s understanding of the reaction and DMS;
 - e. The odor mitigation webpage shall include an “Odor Mitigation Efforts” section which shall describe the efforts Respondent is taking to mitigate potential odors;
 - f. The odor mitigation webpage shall include an “Odor and Maintenance Logs” section which shall include via hyperlink any logs created pursuant to this Order, preceded by a brief narrative description;

- 1 g. The odor mitigation webpage shall include a “Reports, Permits, and Other
2 Documents” section which shall include via hyperlink, preceded by a brief narrative
3 description:
- 4 i. This Order;
- 5 ii. Safety Data Sheets for odor neutralizer used at the facility and compounds
6 used in the Semi-Permanent Vapor Odor Control system referenced in
7 Condition No. 45;
- 8 iii. A copy of Respondent’s current Conditional Use Permit (No. 2004-00052-
9 (5));
- 10 iv. Any reports relating to odor or odor mitigation required by Respondent’s
11 Conditional Use Permit (No. 2004-00052-(5)) to be submitted to any
12 government agency, including any responses or discussion of remedial actions
13 to odor violations or complaints required by any government agency; and
- 14 v. All reports created by the Reaction Committee pursuant to this Order.
- 15 vi. Any other reports or correspondence requested by the County of Los Angeles
16 agencies related to the reaction, odor, and Respondent’s mitigation efforts.
- 17 h. The odor mitigation webpage shall include an “Air Quality” Section which shall
18 include a brief narrative describing the current status of air quality monitoring
19 required under Condition 68 of Respondent’s Conditional Use Permit (No. 2004-
20 00052-(5)). The “Air Quality” Section shall also include, via hyperlink, preceded
21 by a brief narrative description:
- 22 i. Any consultant reports submitted to the Community Advisory Committee
23 (“CAC”), TAC, or any government agency under Condition 68 of
24 Respondent’s Conditional Use Permit (No. 2004-00052-(5)).
- 25 ii. Any quarterly or annual reports submitted to the Los Angeles County
26 Department of Public Health or South Coast AQMD under Condition 68 of
27 Respondent’s Conditional Use Permit (No. 2004-00052-(5)).
28

- 1 i. The odor mitigation webpage shall include an “Upcoming Public Meetings”
2 Section, which shall display the title/subject, date, time, location and/or virtual
3 access information (including videoconference link or teleconference number as
4 applicable), and a note of whether public comment will be received for the following
5 meetings:
- 6 i. Any noticed hearing of the South Coast AQMD Hearing Board in Case No.
7 6177-4;
- 8 ii. Any meeting of the CAC where odor mitigation and/or violations are included
9 as an agenda item or anticipated to be discussed;
- 10 iii. Any meeting of the TAC where odor mitigation and/or violations are included
11 as an agenda item or anticipated to be discussed; and
- 12 iv. Any other meeting open to the public at which CCL is a scheduled host and/or
13 participant where odor mitigation and/or violation are included as an agenda
14 item or anticipated to be discussed.
- 15 40. Respondent shall host a public one-hour community meeting once each calendar month
16 following a month in which Respondent receives three or more Rule 402 NOVs from the
17 South Coast AQMD. If Respondent does not receive three or more Rule 402 NOVs from
18 the South Coast AQMD in a calendar month, Respondent does not need to host a
19 community meeting during the following month. During each meeting, Respondent shall
20 provide updates with regards to implementation of this Order and make time available for
21 public comment on matters related to CCL. The meeting date and time and format (in-
22 person or virtual) shall be announced via Respondent’s website and shall also be sent via
23 email to everyone who has signed up for email notifications on Respondent’s website. The
24 announcement shall include a link and dial-in information to the virtual platform used to
25 conduct the meeting, or if the meeting is in-person, the location of the meeting. All meetings
26 held in person shall adhere to all applicable public health guidelines and shall take place
27 within the Val Verde community. Any presentation, meeting materials, or other media
28 created or shared by Respondent at such community meeting shall be posted to

Respondent's Odor Mitigation webpage via hyperlink, including a brief narrative description of the materials.

Rule 1150 Landfill Excavation

41. Respondent shall submit, by January 30, 2024, a complete plan application for a Rule 1150 Landfill Excavation Plan. The submittal shall be accompanied with a complete Title V Revision application and shall be submitted with an expedited processing request and associated required fees, forms, and information. A generic Rule 1150 plan application and Title V Revision application shall include the following:

- a. A signed and completed Form 400-A.
- b. A signed and completed Form 400-CEQA.
- c. Reason for excavation.
- d. A site summary indicating the site history.
- e. A list of materials buried or suspected materials buried in the site based on available records.
- f. Results of any boring tests done to characterize the disposal site.
- g. Results of recent landfill gas analysis or soil vapor phase analysis including the concentrations of methane, sulfur compounds, and speciated non-methane hydrocarbons.
- h. A plot plan indicating the location of the excavation, staging areas, vehicle route(s), vehicle cleaning area, and any nearby buildings, roadways, or other site identifying features, and including any schools, residential area or other sensitive receptors such as hospitals or locations where children or elderly people live or work up to 2,500 feet away.
- i. Operating schedule for excavation and removal (hours/day, days/week, weeks/year, or equivalent).
- j. Scheduled excavation starting and completion dates, and number of working days required for the excavation.

- k. Description of how the excavation will be conducted, including excavation equipment and vehicles hauling the excavated material.
- l. Description of mitigation measures for dust, odors, and hydrocarbons.
- m. Description of monitoring to be conducted, including monitoring equipment and techniques.
- n. Total amount of material to be excavated in cubic yards under this project.
- o. Description of disposal of the material (re-burial on-site or sent off site for disposal, if off-site provide name of landfill where material will be disposed).
- p. Maximum surface area of excavation workface.
- q. Maximum surface area of refuse or contaminated material to be exposed to atmosphere at any one time.
- r. Fees in the amount \$1,090.43 (for Title V facilities, fee schedule FY 23-24).
- s. A Title V Permit Revision application shall be submitted with associated application fees in the amount of \$1,820.84 (fee schedule FY 23-24) and required forms (Form 400-A, Form 500-A2, Form 500-C1).
- t. A signed Form 400-XPP and additional 50% more fees from the plan fees listed above (\$545.22).

42. Respondent shall comply with the following requirements in the interim period, starting upon issuance of this Order and until the final approval of the Rule 1150 landfill excavation plan under the application specified in Condition No. 41 above, for all excavation, as defined in Rule 1150(a)(5), unless excavation is occurring pursuant to one or more exemption as listed in South Coast AQMD Rule 1150(c):

- a. The South Coast AQMD shall be notified at least two (2) days prior to each excavation commencement and within five (5) days after its completion. The notification shall be made by email [Christina Ojeda, Air Quality Inspector, (cojeda@aqmd.gov); Gerardo Vergara, Air Quality Inspector, (gvergara@aqmd.gov); and Rule1150notifications@aqmd.gov]. The subject line of

1 the email shall contain "Rule 1150 Notification." The body of the email shall
2 contain the following information:

- 3 i. Company Name and Company ID
- 4 ii. Site Address
- 5 iii. Notification Type (2 days prior or 5 days after)
- 6 iv. Estimated Excavation Start Date and Completion Date
- 7 v. A Map of the Facility with Excavation Location Indicated
- 8 b. Excavation shall not be conducted between the hours of 6:00 p.m. and 6:00 a.m. or
9 on weekends and legal holidays unless excavation is occurring to comply with
10 Condition 24, or otherwise approved in writing by the South Coast AQMD.
- 11 c. Excavation shall not be conducted on days when South Coast AQMD forecasts
12 first, second, or third stage episodes for area number 13 or when South Coast
13 AQMD requires companies in area number 13 to implement their first, second or
14 third stage episode plans. Episode forecasts for the following day can be obtained
15 by calling (800) 288-7664.
- 16 d. During excavation, continuous monitoring and recording of the wind speed and
17 directions shall be conducted at an appropriate site or, through the meteorological
18 station if present at the site.
- 19 e. Excavation shall not be conducted, except in the Reaction Area, when the wind
20 speed is greater than 15 mph (averaged over 15 minutes) or the wind speed
21 instantaneously exceeds 25 mph. If Respondent receives either any NOV for
22 violation of Section 41700 / Rule 402 or any complaints for dust, Respondent shall
23 stop excavation in the Reaction Area during such wind conditions.
- 24 f. During excavation, all working excavation areas, excavated material and unpaved
25 roadways shall be watered down until the surface is moist and then maintained in a
26 moist condition to minimize dust and emissions without creating a safety hazard
27 condition.
- 28

- 1 g. VOC contaminated soil (as defined by Rule 1166) shall not be spread onsite or
2 offsite, nor stockpiled, if it results in uncontrolled evaporation of VOC to the
3 atmosphere. VOC contaminated soil shall not be used for landfill cover.
- 4 h. During excavation, monitoring for Total Organic Compounds as methane using an
5 Organic Vapor Analyzer (OVA) or other monitor approved by the South Coast
6 AQMD shall be conducted continuously at the working face of the excavation and
7 at the downwind property line or other approved locations. The maximum sustained
8 readings (greater than 15 seconds) shall be recorded every 15 minutes. The OVA
9 or other approved monitor shall be calibrated each day in accordance with
10 manufacturers' specifications.
- 11 i. If the OVA or other approved organic monitor shows a sustained reading (greater
12 than 15 seconds) of 2,000 ppmv Total Organic Compounds as methane or greater
13 at the working face of the excavation, the excavation shall cease and the area
14 generating the emissions shall immediately be completely covered with a minimum
15 of 6 inches of clean dirt, plastic sheet, or other South Coast AQMD approved cover.
16 Excavation shall not resume until the readings return to the pre-excavation level.
- 17 j. If the OVA or other approved organic monitor shows a sustained reading (greater
18 than 15 seconds) of 200 ppmv Total Organic Compounds as methane or greater
19 downwind from the site at the property line (or other approved locations), the
20 excavation shall cease and the area generating the emissions shall immediately be
21 completely covered with a minimum of 6 inches of clean dirt, plastic sheet, or other
22 South Coast AQMD approved cover. Excavation shall not resume until the readings
23 return to the pre-excavation level.
- 24 k. Excavated landfill material and refuse shall be immediately, not to exceed 2 hours,
25 relocated for burial onsite, immediately deposited into trucks/trailers for off-site
26 transport and completely covered with automated vinyl tarps, with such covers tied
27 down, except for during active loading/unloading of refuse.
- 28

- 1 l. When refuse loading is completed and during transport, no material shall extend
2 above the sides or rear of the truck or trailer which will haul the excavated material.
3 Excavated material shall be completely covered with automated vinyl tarps, with
4 the cover tied down.
- 5 m. Respondent shall ensure that there is no track-out from the excavation area.
6 Respondent shall ensure that all trucks used for excavation in Reaction Area go
7 through a rumble strip before exiting the excavation area, and Respondent shall
8 ensure that all trucks shall, following the conclusion of excavation, but not less than
9 once per day, be free of excavation materials.
- 10 n. Landfill materials and refuse which have been exposed to the atmosphere as a result
11 of the excavation, which have not been excavated and relocated for burial or
12 transported off site, shall be immediately, not to exceed 2 hours, covered (with a
13 minimum of 6 inches of clean soil, secured plastic sheeting that is at least 10 mil,
14 or other South Coast AQMD approved cover) whenever excavation is not actively
15 in progress, and at the end of each working day so that no portion of landfill material
16 and refuse is exposed to the atmosphere. Foam by itself shall not be used as a night
17 cover if it is raining or rain is predicted by the National Weather Service prior to
18 the next scheduled day of excavation.
- 19 o. Daily inspections shall be conducted of any covered excavation area (per
20 Conditions 41(i), 41(j), and 41(n) above) to ensure the integrity of the cover(s) is
21 maintained and secured so that no portion of the soil is exposed to atmosphere. If
22 the cover material is not completely covering the landfill materials and refuse
23 generating emissions, or if the integrity of the cover has been compromised,
24 immediate corrective action shall be taken to add and secure a new cover, or
25 additional cover, on the area requiring corrective action. An inspection log shall be
26 maintained to record the time of the inspections and any corrective action
27 performed.
- 28

- 1 p. All materials that are listed as hazardous by a federal or state agency shall be
2 considered "hazardous materials" for the purpose of this Order.
- 3 i. All excavated hazardous material shall be transported in such a
4 manner as to prevent any emissions of hazardous materials.
- 5 ii. All hazardous materials shall be transported in containers clearly
6 marked as to the type of material contained and what procedures
7 should be followed in case of accidental spills.
- 8 iii. Excavated liquid hazardous materials with the potential to cause air
9 emissions shall be encapsulated or enclosed in containers with sealed
10 lids before loading into the transport vehicles.
- 11 q. Excavation, handling and stockpiling activities shall comply with the applicable
12 requirements of Rule 403.
- 13 r. All records required to demonstrate compliance with Condition No. 42 shall be kept
14 and maintained for at least 5 years.
- 15 s. Landfill excavation mitigation measures, other than those listed in this Condition
16 No. 42, which South Coast AQMD personnel determine are necessary to protect the
17 health and safety of the public, shall be implemented upon request.

18 **Other Conditions**

- 19 43. To ensure that fresh trash odors remain controlled, Respondent shall maintain the following
20 fresh trash-related odor mitigation measures recommended by its landfill operations expert
21 from the Stipulated Order for Abatement in Case No. 6177-1 during Unfavorable Wind
22 Conditions, as defined in the Stipulated Order for Abatement in Case No. 6177-1.
23 Respondent shall not expose more of the working face than is operationally necessary on
24 any working day and shall additionally maintain the following odor mitigation measures:
- 25 a. Use orchard fans, and tow-and-blow fans as needed, placed and spaced around the
26 working face in accordance with the recommendations of Chiquita's landfill
27 operations expert;
- 28

- 1 b. Use equipment equipped with odor neutralizer misting systems in various portions
2 of CCL to neutralize any fresh trash odors. This equipment shall include, but not be
3 limited to, fans and arm tower misters;
- 4 c. Identify and appropriately handle odorous loads at the scale and working face as
5 new waste loads enter CCL;
- 6 d. Haul odorous loads with proper sequencing and cover; and
- 7 e. Regularly train staff on all aspects of landfill operations, employee safety, and odor
8 control.
- 9 f. If Respondent detects trash-based odors at any stops during any odor surveillance
10 conducted pursuant to Condition No. 1(f) during Respondent's operating hours,
11 Respondent shall deploy additional permitted orchard-style fans to the working face
12 and surrounding area. If Respondent is not able to confirm the reduction of trash
13 based odors within 1 hour of deployment of additional fans, Respondent shall
14 reduce its working face by 25% of that day's total size for the remainder of the
15 operating day.
- 16 44. Respondent shall obtain, install, and maintain an on-site landfill meteorological station to
17 measure wind speed and direction by October 31, 2023. The meteorological station shall
18 be installed at a location appropriate for determining wind speed and direction on the top
19 deck of the landfill in the Reaction Area (as defined in Condition 9(a)) on a 1-hour average
20 basis, with measurements recorded every 5 minutes. The station shall record and preserve
21 all available readings for three years and the readings shall be made available to the South
22 Coast AQMD upon request.
- 23 45. Respondent shall install, maintain in good working order, and operate 1,000 feet or more
24 of Semi-Permanent Vapor Odor Control in the Reaction Area (as defined in Condition 9(a))
25 within 14 days of the approval of this Order. Respondent shall operate the Semi-Permanent
26 Vapor Odor Control system immediately and continuously.
- 27 46. Respondent shall operate and maintain in good working order a landfill perimeter odor
28 control misting system on permanent fencing on the west and northwest of the property.

1 47. The landfill perimeter odor control misting system shall be operated immediately and
2 continuously upon receiving data from the meteorological station, referenced in Condition
3 No. 44 above, that the 1-hour averaged wind direction is blowing in West, Northwest,
4 North, or Northeast directions (270 degrees to 45 degrees). The misting system shall
5 continue to operate until the 1-hour averaged wind direction data demonstrates the wind is
6 no longer blowing in the specified directions. The system shall be operated in such a
7 manner and with sufficient odor neutralizers to mitigate, to the extent possible, transient
8 odors from the landfill into surrounding communities, as determined by the Reaction
9 Committee.

10 48. Respondent shall notify the South Coast AQMD (attn: Kathryn Roberts,
11 kroberts@aqmd.gov; Mary Reichert, mreichert@aqmd.gov; Christina Ojeda,
12 cojeda@aqmd.gov) of any substantial operational changes designed to or anticipated to
13 reduce odors, such as an operational change not contemplated by this Order, within seven
14 days of implementing such changes.

15 49. Equipment and operations at the Facility are subject to the jurisdiction and regulatory
16 requirements of multiple agencies, including but not limited to the District, CalRecycle,
17 Los Angeles County Public Works, Los Angeles County Department of Regional Planning,
18 and Los Angeles County Department of Public Health. The conditions in this Order shall
19 not in any way restrict or expand the scope of jurisdiction of any agency. If any agency that
20 shares jurisdiction over the Facility with the South Coast AQMD requires Respondent to
21 take any action that is inconsistent with this Order, Respondent shall immediately contact
22 the South Coast AQMD by email at [Kathryn Roberts, kroberts@aqmd.gov and Mary
23 Reichert, mreichert@aqmd.gov] and describe the inconsistent provisions, including
24 providing any written directive from any other agency which Respondent considers
25 inconsistent with one or more conditions in this Order. Respondent shall endeavor to
26 resolve the inconsistency with the Executive Officer, while adhering to the Condition(s) in
27 the Order. If the inconsistency is not resolved within 3 working days of the relevant agency,
28 Respondent shall immediately inform the South Coast AQMD and shall petition for a

1 status/modification hearing before the Hearing Board for further proceedings. At such
2 proceeding, only the provision in dispute shall be resolved by the Hearing Board while the
3 other conditions in this Order shall remain in full force and effect.

- 4 a. If Respondent notifies South Coast AQMD per Condition No. 49 above
5 that the inconsistency with one or more Condition and an order of another
6 agency cannot be resolved, compliance with the applicable Condition(s)
7 of this Order shall be waived until further Order of the Hearing Board.
8 Notwithstanding the above, in no instance shall compliance with
9 Condition No. 49 or Condition No. 49(a) be waived.

10 50. Respondent shall follow the direction of EPA to implement the Master Work Plan
11 submitted to EPA under the Unilateral Administrative Order (UAO). Any monthly progress
12 reports submitted to EPA in accordance with the UAO shall also be submitted to the South
13 Coast AQMD (Baitong Chen, Air Quality Engineer, (bchen@aqmd.gov); Nathaniel Dickel,
14 Senior Air Quality Engineer, (ndickel@aqmd.gov), and Christina Ojeda, Air Quality
15 Inspector, (cojeda@aqmd.gov)).

16 51. Respondent shall permit South Coast AQMD personnel to conduct all inspections deemed
17 necessary by South Coast AQMD Compliance staff, including, but not limited to, collection
18 of samples. If during any inspection, South Coast AQMD observes uncontrolled liquid
19 which has at least one characteristic (including odor, appearance, etc.) that suggests the
20 liquid may be leachate, South Coast AQMD may require Respondent to collect a sample of
21 the liquid within 24 hours, submit the sample for expedited testing for VOCs, and submit
22 test results to the South Coast AQMD Compliance Inspector within 24 hours of receipt of
23 results, but no later than 96 hours after collection. Notwithstanding the preceding,
24 Respondent may require all visitors, including South Coast AQMD staff, to comply with
25 the site's Health and Safety Plan. Respondent shall not prohibit South Coast AQMD staff
26 from access to Respondent's facility, including the Reaction Area, if South Coast AQMD
27 staff comply with the Health and Safety Plan. Respondent shall provide South Coast
28 AQMD with any updates to the Health and Safety Plan within 1 business day of going into

effect.

- a. To the extent Respondent's Health and Safety Plan requires 5-gas monitors for regulatory staff to conduct an on-site inspection, Respondent shall maintain onsite at least two 5-gas monitors (calibrated, sufficient battery, and ready for use) for regulatory personnel to use. Respondent may require any individual utilizing its 5-gas monitors to sign a waiver or release of liability in the form agreed upon by the parties on April 19, 2024.

52. Respondent shall reserve 30 minutes biweekly to host a virtual meeting between South Coast AQMD technical staff and Respondent / Respondent's technical consultants to discuss key updates on Respondent's implementation of this Order and any changes to Landfill conditions or operations. Any instance of the biweekly meeting may be cancelled at South Coast AQMD's sole discretion.

53. Respondent shall, on a weekly basis, report on: (1) number of tanks in each leachate tank group; (2) total number of leachate tanks treated; (3) weekly and year-to-date total quantity of liquid collected; (4) weekly and year-to-date total quantity of liquid treated; and (5) estimated weekly and year-to-date total quantity of seeping, pooling, or ponding leachate collected. By no later than April 3, 2024, Respondent shall submit South Coast AQMD (Baitong Chen, Air Quality Engineer, (bchen@aqmd.gov); Nathaniel Dickel, Senior Air Quality Engineer, (ndickel@aqmd.gov), and Christina Ojeda, Air Quality Inspector, (cojeda@aqmd.gov), the first weekly report, and shall submit an additional weekly report every 7 calendar days thereafter.

54. Respondent shall collect, convey, and store any condensate collected after the sulfur treatment carbon absorbers separately from landfill leachate. No combining or mixing of these liquid materials shall occur, to allow for accurate characterization and profiling of each liquid.

55. Respondent shall immediately cease injection of landfill gas condensate into the landfill gas control flares, unless the condensate injection is initially performed for the purposes of a

1 source test required under this condition. Any injection of condensate collected after the
2 sulfur treatment carbon absorbers to the flares may be allowed if each of the following
3 criteria are fulfilled:

- 4 a. The condensate has been sampled/analyzed and determined as non-
5 hazardous in accordance with hazardous material requirements by
6 respective agencies (U.S. EPA and DTSC), with sampling/analysis results
7 provided to South Coast AQMD along with specified regulatory
8 hazardous waste thresholds;
- 9 b. The condensate tank has not received any additional liquid after the
10 sampling/analysis performed in Condition 37(a) and will not receive any
11 additional liquids prior to or during injection/combustion;
- 12 c. Respondent has submitted a complete source test protocol which has been
13 reviewed and approved by South Coast AQMD in writing, and which
14 includes, at a minimum, procedures for testing of methane, total non-
15 methane organic compounds, speciated organics (including but not limited
16 to Rule 1150.1 Table 1 Carcinogenic and Toxic Air Contaminants), NO_x
17 as NO₂, CO, particulate matter (PM₁₀), oxygen and carbon dioxide,
18 moisture content, temperature, flowrate, total sulfur compounds as H₂S
19 and speciated sulfur compounds, gas BTU value, nitrogen, methane and
20 TNMOC destruction efficiency, and metals;
- 21 d. Respondent has submitted a source test report which has been reviewed
22 and approved in writing by South Coast AQMD;
- 23 e. South Coast AQMD grants written approval to conduct condensate
24 injection and has not withdrawn the approval based on follow-up source
25 test evaluation(s);
- 26 f. Respondent conducts follow-up flare source testing, at a minimum of
27 every 6 calendar months, which includes non-hazardous condensate
28 injection, and following the requirements of sub-item (d) above; and

g. Respondent maintains records of condensate sampling/analysis results to demonstrate the liquid is non-hazardous, maintains records of daily condensate injection flows (gallons per day), and provides these records in the monthly report pursuant to Condition No. 8.

56. Respondent shall conduct sampling and analysis of vapors in the headspace of leachate tanks located in the Top Deck Tank Farm (Tank Farm #9). Sampling as required below shall be completed no later than April 4, 2024. Samples shall be collected and analyzed from the following equipment/locations:

- a. the vapors in the headspace of at least one untreated leachate storage tank (preferentially containing leachate that is determined to be hazardous or assumed to be hazardous in accordance with hazardous material requirements by respective regulatory agencies, e.g. U.S. EPA and/or DTSC);
- b. the vapors in the headspace of at least one leachate storage tank undergoing treatment at;
- c. the vapors in the headspace of at least one leachate storage tank where treatment is complete.

Each of the sampled storage tanks shall be filled at least 2/3 full of leachate (approximately 14,000 gallons). Tanks to be sampled shall be preferentially selected to be those not connected/vented to the landfill gas collection system and/or landfill gas control systems. Vapor sampling and analysis of the headspace shall be conducted for total sulfur compounds as H₂S and speciated sulfur compounds pursuant to South Coast AQMD Method 307-91, and for speciated organic compounds pursuant to U.S. EPA Method TO-15. Sampling and analysis shall be performed by a South Coast AQMD Laboratory Approval Program (LAP) approved laboratory(ies), capable of sampling and analysis per South Coast AQMD Method 307-91 and U.S. EPA Method TO-15, respectively. A report detailing the sampling and analysis parameters and complete laboratory analysis results shall be submitted to South Coast AQMD by April 18, 2024 [Baitong Chen, Air Quality Engineer, (bchen@aqmd.gov)];

Nathaniel Dickel, Senior Air Quality Engineer, (ndickel@aqmd.gov); Christina Ojeda, Air Quality Inspector, (cojeda@aqmd.gov)]. The report shall include, at a minimum, identification of the leachate tank(s) sampled, sample location within each leachate tank, vapor/liquid connections, ventilation (if applicable) and configuration of the tank(s) which were sampled, temperature of the leachate at time of sampling, date/time of sampling, treatment status of the tank(s), volume of leachate within the tank(s), and complete laboratory sampling and analysis results.

57. Respondent shall submit, by April 22, 2024, a complete permit modification application to the Landfill Gas Condensate and Leachate Collection/Storage System (under Permit G66132, A/N 613131) to increase the landfill's liquid storage capacity, including tanks and equipment which have not been described in the applications submitted pursuant to Condition 19. The submittal shall be accompanied with a complete Title V Revision application and shall be submitted with an expedited permit processing request and associated required fees, forms, and information.

58. Respondent shall submit, by June 21, 2024, a complete permit application for the operation of the thermal oxidizer (pursuant to Condition 29) to include the thermal oxidizer under Respondent's Title V permit. The submittal shall be accompanied with a complete Title V Revision application and shall be submitted with an expedited permit processing request and associated required fees, forms, and information.

59. Respondent shall submit, by June 21, 2024, a complete permit application for the Landfill Gas Condensate and Leachate Treatment System, which includes treating hazardous liquid waste. The submittal shall be accompanied with a complete Title V Revision application and shall be submitted with an expedited permit processing request and associated required fees, forms, and information.

60. Respondent shall submit, by April 22, 2024, a complete permit modification application to the Landfill Gas Collection System (under Permit G43917, A/N 578102) to include the tie-in of the landfill gas condensate and leachate treatment system vapor vent lines to the Landfill Gas Collection System. The submittal shall be accompanied with a complete Title

V Revision application and shall be submitted with an expedited permit processing request and associated required fees, forms, and information.

61. Respondent shall submit, by May 21, 2024, a complete permit modification application to the Landfill Gas Flare System (under Permit G73696, A/N 645450) to include the combustion of vapor vented from the hazardous liquid tanks in the landfill gas condensate and leachate collection/storage tank system and landfill gas condensate and leachate treatment system. The submittal shall be accompanied with a complete Title V Revision application and shall be submitted with an expedited permit processing request and associated required fees, forms, and information.

62. Respondent shall submit, by May 21, 2024, a complete permit modification application to the Landfill Gas Flare System (under A/N 624296) to include the combustion of vapor vented from the hazardous liquid tanks in the landfill gas condensate and leachate collection/storage tank system and landfill gas condensate and leachate treatment system. The submittal shall be accompanied with a complete Title V Revision application and shall be submitted with an expedited permit processing request and associated required fees, forms, and information.

63. By April 22, 2024, Respondent shall provide South Coast AQMD with a schematic of the current leachate treatment and storage system, including connections, flow lines, tank groups, vent lines to flares, lines to and between leachate tanks, and tanks which are connected and not connected to vacuum vent lines.

64. Respondent shall follow the direction of the EPA to prepare a Leachate Management Plan in accordance with the Unilateral Administrative Order (UAO). Respondent shall submit the final plan submitted to EPA to South Coast AQMD on or before March 28, 2024. Any updates to the final plan shall be submitted to South Coast AQMD within 24 hours of submittal to EPA.

65. Respondent shall provide notice to South Coast AQMD (Baitong Chen, Air Quality Engineer, (bchen@aqmd.gov); Nathaniel Dickel, Senior Air Quality Engineer, (ndickel@aqmd.gov); and Christina Ojeda, Air Quality Inspector, (cojeda@aqmd.gov) by

Friday of each week a summary of leachate dewatering pumps that have been installed and resumed operation the prior week, and the number and location of dewatering pumps anticipated to be installed and placed into operation in the following week , and the location of all dewatering pumps installed and / or in operation.

66. Respondent shall install and operate a real-time, remote monitoring system which shall, at minimum, monitor well pressure and landfill gas temperature at different well depths (shallow, middle, deep). The remote monitoring system may include monitoring of fixed gases, oxygen, methane, and carbon dioxide, as well as wellfield tuning/optimization and well liquid level monitoring. By April 19, 2024, the Reaction Committee shall submit recommendations regarding installation of the remote monitoring system. By no later than June 21, 2024, contracts to install and operate the monitoring shall be finalized. The remote monitoring system shall be installed and in operation no later than October 22, 2024, on all wells operated in the Initial Reaction Area (defined as the boundary of Cells 1/2A, 2B/3, 4, and Module 2B/3/4 P2 as specified in Condition No. 9(a)).
67. Respondent shall within 2 business days of the issuance of this Order designate an Inspection Liaison responsible for coordinating the exchange of information between Respondent and South Coast AQMD.
68. Respondent shall by June 15, 2024, install appropriately ranged differential pressure gauges, with at least 0.01 inches water column resolution, or pressure gauge otherwise approved in writing by South Coast AQMD, on each leachate storage tank. Respondent shall monitor and record daily the differential pressure of each leachate tank, tank identification number, date and time of the reading, and the personnel that conducted the reading. Pressure gauges shall be calibrated according to manufacturer specifications and schedule. Respondent shall report all the recordings in the monthly report pursuant to Condition No. 8.
69. By July 19, 2024, Respondent shall conduct the first of ongoing quarterly inspection and monitoring of HDPE, or other material, landfill gas conveyance piping, landfill gas condensate and leachate conveyance piping, and any associated piping components such as flanges, fittings, valves, connectors, pumps, or other equipment of the landfill gas collection

1 system and landfill gas condensate and leachate collection and storage system within the
2 enclosed piping networks. Monitoring Inspection shall include visual and/or physical
3 inspection of the specified equipment above, which is located aboveground, for buckling,
4 rupturing, cracking, melting, liquid leaks, or other structural concerns which may lead to the
5 release of fugitive landfill gas emissions, liquids, or odorous vapors. Monitoring shall
6 additionally include measurements of total organic compounds (TOC) as methane with a
7 flame ionization detector (FID), that conforms to Rule 1150.1 requirements, an organic
8 vapor analyzer for component leaks at each of the aboveground piping components within
9 the landfill gas collection system and landfill gas condensate and leachate collection and
10 storage system enclosed piping networks. A component will be considered to have a leak if
11 the concentration of methane measured one half an inch or less from a component source
12 exceeds 500 ppmv, other than non-repeatable, momentary readings. Records of this
13 monitoring activity shall include at a minimum:

- 14 a. A plot plan showing the piping networks monitored;
- 15 b. Date(s) when monitoring was performed;
- 16 c. Results of the visual/physical inspection and associated photos of any
17 piping or piping components which had any of the above-mentioned visual
18 and/or physical inspection concerns;
- 19 d. Results of piping component leak measurements;
- 20 e. Location(s) of component/equipment with visual and/or physical
21 inspection concerns and/or locations(s) where component leaks were
22 measured, which shall include the following:
 - 23 i. Location identified on a map;
 - 24 ii. Location identified by the landfill surface grid number and GPS
25 coordinates; and
- 26 f. Work which has been performed, or which is planned to be performed, and
27 associated date(s), to repair, replace, or conduct other actions to resolve
28 issues with the piping or components of concern.

Following four completed quarterly analyses, by July 31, 2025, the Reaction Committee shall submit a recommendation to South Coast AQMD [attn: Baitong Chen, bchen@aqmd.gov; Nathaniel Dickel, ndickel@aqmd.gov; Christina Ojeda, cojeda@aqmd.gov] as to modifying the frequency of such.

70. Respondent shall, by June 28, 2024, submit a report on the landfill's current landfill gas generation and projected landfill gas generation for the next five calendar years, through the end of calendar year 2029. The current and projected landfill gas generation shall be estimated through use of U.S. EPA's Landfill Gas Emissions Model (LandGEM), and the Reaction Committee's analysis for additional landfill gas generated as a result of the ongoing reaction. The report shall include, at a minimum, the following items:

- a. LandGEM inputs, assumptions, and results;
- b. Reaction Committee analysis and associated rationale and supporting data or information; and
- c. A comparison of the estimated landfill gas generation, both current and projected, with the landfill's flaring capacity, both current and proposed, assuming one or more flares or thermal oxidizers are offline due to maintenance, overhaul, or other unforeseen circumstances.

Based on the report findings, if the landfill gas generation is expected to exceed the landfill's flaring capacity when one or more flares or thermal oxidizers are offline, Respondent shall start the planning and procurement process for the addition of an additional flare, thermal oxidizer, or other landfill gas combustion/control equipment and ensure sufficient redundant control capacity to handle all generated landfill gas, assuming any one or more unit(s) is offline. Respondent shall submit, by January 7, 2025, a complete permit application for the new construction of proposed landfill gas combustion/control equipment to ensure sufficient redundant control capacity of the landfill gas control systems. The submittal shall be accompanied with a complete Title V Revision application and shall be submitted with an expedited permit processing request and associated required fees, forms, and information.

71. Respondent shall submit, by May 21, 2024, a complete permit application for the installation

1 and operation of any aboveground surface landfill gas collection system, or underground
2 landfill gas collection system, installed for the purpose of collecting landfill gas under the
3 geosynthetic cover installed per Condition 31 or the cover as required by the Local
4 Enforcement Agency. The submittal shall be accompanied with a complete Title V Revision
5 application and shall be submitted with an expedited permit processing request and
6 associated required fees, forms, and information.

7 72. Respondent shall conduct sampling and analysis, testing, installation, and monitoring of the
8 leachate and landfill gas condensate collection and storage tank system, as specified below:

9 a. At least quarterly, conduct testing to sample and analyze the vapor flow in the piping
10 used to vent the leachate storage tanks and landfill gas condensate tanks and route the
11 vapors to the landfill gas control system. The testing shall at least include the
12 following items and the results of this testing shall be provided in the monthly report
13 pursuant to Condition No. 8.:

- 14 i. vented leachate tank vapor flowrate,
- 15 ii. vented condensate tank vapor flowrate,
- 16 iii. vapor temperature,
- 17 iv. concentrations of speciated organics (including but not limited to Rule 1150.1
18 Table 1 Carcinogenic and Toxic Air Contaminants),
- 19 v. the total sulfur compounds as H₂S and speciated sulfur compounds, and
- 20 vi. testing at each of the locations indicated below:

- 21 1. The tank vents or manifolds which are representative of a set of tanks;
- 22 2. The header/manifold from each leachate tank farm or manifold
23 including Tank Farm #7, Tank Farm #9, North Perimeter Manifold,
24 New East Perimeter Manifold, LC Manifold, landfill gas condensate
25 storage tanks, and any other future tank farms or manifolds, with
26 testing performed upstream of the piping connection to the LFG
27 Collection and Conveyance System where landfill gas may affect
28 results; and

- 1 3. The inlet of the flare(s) prior to combustion.
- 2 b. A source test protocol for this testing shall be submitted to South Coast AQMD by
- 3 May 17, 2024, unless otherwise approved in writing by South Coast AQMD. Testing
- 4 shall be conducted within 45 days of receiving written approval of the source test
- 5 protocol by South Coast AQMD, and the final results in a source test report format
- 6 shall be submitted within 30 days of testing, unless otherwise approved in writing by
- 7 South Coast AQMD.
- 8 c. Within 30 days of submission of the source test report, Respondent shall submit a
- 9 recommendation from the Reaction Committee on additional vapor flow testing to the
- 10 South Coast AQMD [attn: Baitong Chen, bchen@aqmd.gov; Nathaniel Dickel,
- 11 ndickel@aqmd.gov; Christina Ojeda, cojeda@aqmd.gov].
- 12 d. Beginning April 29, 2024, at least daily, conduct pressure testing and monitoring
- 13 within the HDPE header(s) venting the leachate storage tanks to quantify the vacuum
- 14 from the flare station blowers exerted on the leachate tanks, in inches of Water
- 15 Column (W.C.). Pressure testing and monitoring as specified in this condition is not
- 16 required upon complete installation of pressure gauges as specified in Condition 68.
- 17 i. Daily pressure readings, pressure testing location, indication of the tank farm
- 18 represented by the test results, and indication of each tank within the tank farm
- 19 represented by the test results shall be submitted in the monthly report per
- 20 Condition No. 8.
- 21 e. By June 28, 2024, unless otherwise approved in writing by South Coast AQMD,
- 22 install flow meters within the HDPE piping headers for associated leachate tank farms
- 23 to accurately measure and record the flow rate (scfm) and total daily volume of vented
- 24 leachate tank vapors being sent to the flare station for combustion. The flow meters
- 25 shall be installed according to manufacturer specifications and recommendations to
- 26 ensure accurate flow readings.
- 27 i. Daily flow rate (scf/day), flow meter location, indication of the tank farm
- 28 whose flow is being measured, and indication of each tank within the tank

1 farm vented and represented in the flow rate shall be submitted in the monthly
2 report per Condition No. 8.

3 73. Respondent shall prepare an inventory of all internal combustion engine equipment rated
4 greater than 50 HP onsite as of April 25, 2024 and shall submit this inventory to South Coast
5 AQMD by May 21, 2024. Respondent shall submit a permit application for internal
6 combustion engine equipment rated greater than 50 HP that is not already permitted through
7 South Coast AQMD by June 30, 2024, accompanied with a complete Title V Revision
8 application(s) and shall be submitted with an expedited permit processing request and
9 associated required fees, forms, and information. Going forward, Respondent shall submit a
10 permit application, accompanied with a complete Title V Revision application(s), for any
11 internal combustion engines greater than 50 HP brought on site that does not already have a
12 valid permit under Respondent's Title V Facility Permit or that does not already have a
13 complete application submitted to South Coast AQMD for the engine to be included in
14 Respondent's Title V Facility Permit.

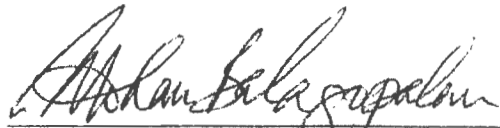
15 74. Respondent shall return for a status hearing in August 2024 (exact dates to be determined by
16 the parties and the Hearing Board, tentatively August 17 or August 24), or as soon thereafter
17 as the Hearing Board can schedule the status hearing, to report on the status of
18 implementation of this Stipulated Order, and consider modification or dissolution of this
19 Order, as appropriate.

20 75. The Hearing Board may modify this Order for Abatement without the stipulation of the
21 parties upon a showing of good cause therefore, and upon making the findings required by
22 Health and Safety Code Section 42451(a) and District Rule 806(a). Any modification of the
23 Order shall be made only at a public hearing held upon 10 days published notice and
24 appropriate written notice to the Respondent.

25 76. The Hearing Board shall retain jurisdiction over this matter until December 31, 2025 and at
26 that time this Order shall no longer be of any force or effect, unless this Order is amended,
27 modified, or dissolved before then.
28

1 77. This Order for Abatement is not intended to be nor does it act as a variance. Respondent is
2 subject to all rules and regulations of the District and to all applicable provisions of
3 California law. Nothing herein shall be deemed or construed to limit the authority of the
4 District to issue Notices of Violation, to seek civil penalties or injunctive relief, or to seek
5 further Orders for Abatement or other administrative or legal relief. The Findings of Fact
6 are based on evidence presented by Petitioner and Respondent as of the date of this Order.
7

8
9 BOARD MEMBER:


Mohan Balagopalan

10
11
12 DATED:

6-13-24