1 2 3 4 5 6 7 8	OFFICE OF THE GENERAL COUNSEL SOUTH COAST AIR QUALITY MANAGEMENT KATHRYN ROBERTS, State Bar No. 326693 Senior Deputy District Counsel 21865 Copley Drive Diamond Bar, California 91765 TEL: 909.396.3400 • FAX: 909.396.2961 E-mail: KRoberts@aqmd.gov Attorneys for Petitioner SOUTH COAST AIR QUALITY MANAGEMENT BEFORE THE HEARIN SOUTH COAST AIR QUALITY	T DISTRICT IG BOARD OF THE
9		CASENO CIASA
10	In the Matter of	CASE NO. 6143-4
11	SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT,	FINDINGS AND DECISION FOR A STIPULATED ORDER FOR ABATEMENT
12	Petitioner,	District Rules 431.1, 3002(c)(1), 203(b)
13	AMERESCO CHIQUITA ENERGY, LLC [Facility ID No. 140373],	
14	Respondent.	Date: February 8, 2024 Time: 9:30 a.m.
15	respondenti	Place: Hearing Board South Coast AQMD
16		21865 Copley Drive Diamond Bar, CA 91765
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18 19	The natition for an Order for Abetement was	s heard on the consent calendar on February 8
20	The petition for an Order for Abatement was heard on the consent calendar on February 8, 2024, pursuant to notice and in accordance with the provisions of California Health and Safety	
21	Code Section 40823 and South Coast Air Quality Management District ("South Coast AQMD")	
22	Rule 812. The matter was placed on the Consent Calendar pursuant to the Joint Stipulation Re	
23	Findings and Decision and Order Granting an Order for Abatement. The following members of	
24	the Hearing Board were present: Cynthia Verdugo-Peralta, Chair; Robert Pearman, Esq., Vice	
25	Chair; Mohan Balagopalan; Jerry P. Abraham, MD, MPH, CMQ; and Micah Ali. Petitioner,	
26	South Coast AQMD, represented by Kathryn Roberts, Senior Deputy District Counsel, did not	
27	appear. Respondent, Ameresco Chiquita Energy LLC (hereinafter "Ameresco" or "Respondent"),	
28	represented by Aron Potash of the law firm of Latham & Watkins LLP, did not appear. The	
	Findings and Decision for an Order for Abatemen ID # 140	nt – Ameresco Chiquita Energy, LLC (Facility 1373)

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6177-3.)

THEREFORE, based on the aforesaid facts and conclusions, and good cause appearing, the Hearing Board hereby orders Respondent to refrain from violation of South Coast AQMD Rules 431.1, 3002, 203, and all applicable conditions of each of Respondent's permits. Additionally, Respondent is hereby ordered to comply with the following conditions:

1. Respondent shall expedite, to the maximum extent feasible, regular replacement of granular activated carbon (GAC) media in each of the GAC adsorbers of the Landfill Gas Treatment System (under Permit G58597, A/N 598260), including the execution of contracts, as well as the delivery, replacement, startup, and testing of any operation necessary to replenish and/or replace spent GAC media in the Landfill Gas Treatment System. Respondent shall ensure adequate stock of new, un-used GAC media is maintained on site. Replacement of the GAC media shall be conducted at least once every 240 operating days, and more frequently as specified below:

- a. Respondent shall conduct weekly colorimetric sampling for H2S at the outlet of the sulfur removal system located within the Landfill Gas Treatment System. All colorimetric sampling results shall be recorded. If the H2S concentration from colorimetric testing is measured at 15 ppmv or greater, Respondent shall conduct a second colorimetric test immediately. If the second colorimetric test confirms H2S concentrations above 15 ppmv, replacement of the GAC media shall be performed as soon as reasonably feasible, but not later than two weeks unless notice of the need for a longer time is submitted to the South Coast AQMD (attn: Baitong Chen, bchen@aqmd.gov; Nathaniel Dickel, ndickel@aqmd.gov; Christina Ojeda, cojeda@aqmd.gov);
 - i. Respondent shall maintain adequate stock of appropriately ranged colorimetric tubes. Colorimetric sampling shall be conducted using appropriately ranged colorimetric tubes. The tubes should be ranged, at a minimum, for readings up to 6 ppmv H2S, and, if the reading reaches the upper range value, then a second tube shall be immediately used with a range capable

of reading 15 ppmv H2S, and up to a maximum of 60 ppmv H2S. If a reading is not registered due to the lower detection limit or indicates 0 ppmv concentration reading, results shall be reported as the lower range limit of the colorimetric tube. All sampling shall be performed in accordance with the operational manual for the Draeger Accuro sample collection pump.

- ii. Respondent shall record and report the results of the H2S concentration readings in ppmv, date and time of sampling when each measurement was conducted, personnel name(s) who conducted the sampling, and colorimetric tube specifications sheets (if not already provided to South Coast AQMD pursuant to Condition No. 5) which include the H2S ppmv range. The H2S results and supporting information shall be reported to the South Coast AQMD pursuant to Condition No. 5.
- 2. Respondent shall manually monitor and record the landfill gas temperature at least daily at the inlet of each GAC adsorber vessel of the Landfill Gas Treatment System on any day when the facility operates. If the temperature of the landfill gas exceeds 160 degrees F, Respondent shall pause operations until the temperature drops back below 160 degrees F, unless otherwise approved in writing by the District. Temperature readings shall be reported to South Coast AQMD pursuant to Condition No. 5.
- 3. Respondent shall sample, analyze, and record the landfill gas sulfur compounds combusted in each turbine and the flare (as measured at sampling locations FLT 206 and FLT 321 that are representative of the gas combusted in the turbines under Permits G25211, A/N 459539 and G25212, A/N 458540 and flare under Permit G23448, A/N 458542, respectively) at least once each day sample for analysis for total sulfur compounds as H2S using South Coast AQMD Method 307-91, on any day when the facility operates, or using the modified sampling and analysis procedure approved by the District on June 9, 2023.
 - Respondent shall record South Coast AQMD Method 307-91 analysis upon receipt of laboratory analysis report. Each recorded measurement or result shall be

Quality Inspector, (gvergara@aqmd.gov)]. The first report for January 2024 shall be due on February 20, 2024. If a single instance of monthly reporting and/or required materials under this section exceed 20 MB in size, Respondent shall submit such information via a file share service (such as Google Drive or Dropbox) and include a link to such location via email to the same listed personnel. Each monthly report shall contain at a minimum the following information as relating to the immediately preceding month:

- a. The landfill gas H2S and sulfur compounds measurements and laboratory analysis, with the time and date of each measurement or sample collection, personnel name(s) who conducted the sampling, and additional supporting information (if necessary), as identified in Conditions No. 1 and No. 3.
- b. The landfill gas records and calculations identified in. Condition No. 4, in a Microsoft Excel sheet format.
- c. Estimated schedule for any replacement or refurbishment of granular activated carbon media in the Landfill Gas Treatment System (under Permit G58597, A/N 598260) identified in Condition No. 1.
- d. 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 G58597, A/N 598260).
- e. Information identified in Condition No. 6.
- f. Landfill Gas Treatment System (under Permit G58597, A/N 598260) temperatures recorded pursuant to Condition No. 2.
- 6. Whenever South Coast AQMD permitted Various Location equipment is brought or operated on site to process, treat, or control the landfill gas, the Respondent shall:
 - a. Notify South Coast AQMD in writing of the date and time that the equipment is brought to the facility in the corresponding monthly report per Condition No. 5 and

- include a copy of the various locations permit(s) in the corresponding monthly report per Condition No. 5.
- b. Maintain a daily log including the following information for each permit unit: permit number, application number, equipment location, and start and end time of equipment operation (as applicable). Respondent shall submit the daily log in the in the corresponding monthly report per Condition No. 5.
- c. Notify South Coast AQMD in writing of the date and time that the equipment is removed from the facility in the corresponding monthly report per Condition No. 5.
- 7. Respondent shall, to the maximum extent feasible, prioritize the flow of landfill gas through the GAC adsorber vessels of the Landfill Gas Treatment System, and limit the flow of any landfill gas bypassing the GAC adsorber vessels (provided that Ameresco shall not be required by this condition to limit the amount of gas it accepts from the Landfill).
- 8. Respondent shall, by March 5, 2024, submit an air dispersion modeling analysis protocol 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, (cojeda@aqmd.gov), and Gerardo Vergara, Air Quality Inspector, (gvergara@aqmd.gov)] for review and approval. The modeling protocol shall analyze SOx emissions to determine any impact zones of emissions from the permitted flare and turbines, where concentrations of SOx are expected to be higher than National and California Ambient Air Quality Standards. The protocol shall specify any modeling programs/software, methods, modeling inputs and parameters, as well as all assumptions to be used in the analysis proposed for the dispersion modeling analysis. A report of the air dispersion modeling analysis shall be submitted 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, (cojeda@aqmd.gov), and Gerardo Vergara, Air Quality Inspector, (gvergara@aqmd.gov)] within 30 days of written approval of the modeling proposal.

1	9. Within 2 months of the issuance of the report on DMS removal specified in Condition	
2	12(g)(i) of the Modified Order for Abatement issued in Case No. 6177-4 (January 17, 2024),	
3	due April 30, 2024 Respondent shall prepare a proposal for lab-scale research and/or testing	
4	that furthers the findings of such report. The proposal shall include cost estimates and	
5	proposed length of study.	
6	8.10. Respondent shall notify the South Coast AQMD (Attention: Kathryn Roberts,	
7	kroberts@aqmd.gov) and the Clerk of the Hearing Board in writing when final compliance	
8	has been achieved.	
9	9.11. The Hearing Board may modify this Order for Abatement without the stipulation	
10	of the parties upon a showing of good cause therefore, and upon making the findings required	
11	by Health and Safety Code Section 42451(a) and District Rule 806(a). Any modification of	
12	the Order shall be made only at a public hearing held upon 10 days published notice and	
13	appropriate written notice to the Respondent.	
14	12. The Parties shall return for a status/modification hearing on July XX, 2024.	
15	10.13. The Hearing Board shall retain jurisdiction over this matter until August 7, 2025 and a	
16	that time this Order shall no longer be of any force or effect, unless this Order is amended, modified	
17	or dissolved before then.	
18	11.14. This Order for Abatement is not intended to be nor does it act as a variance. Respondent	
19	is subject to all rules and regulations of the South Coast AQMD and to all applicable	
20	provisions of California law. Nothing herein shall be deemed or construed to limit the	
21	authority of the South Coast AQMD to issue Notices of Violation, to seek civil penalties or	
22	injunctive relief, or to seek further Orders for Abatement or other administrative or legal	
23	relief. The Findings of Fact are based on evidence presented by Petitioner and Respondent	
24	as of the date of this Order.	
25		
26	BOARD MEMBER:	
27		
28	DATED:	
	-10- Findings and Decision for an Order for Abatement – Ameresco Chiquita Energy, LLC (Facility ID # 140373)	