

1
2 **BEFORE THE HEARING BOARD OF THE**
3 **SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT**

4 **In The Matter Of**

5 SOUTH COAST AIR QUALITY
6 MANAGEMENT DISTRICT,

7 Petitioner,

8 vs.

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

11 Respondent.

Case No. 6177-4

**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: January 16-17, 2024
Time: 9:30 am
Place: Hearing Board
South Coast Air Quality
Management District
21865 Copley Drive
Diamond Bar, CA 91765

15 On September 6, 2023, a hearing on a Stipulated Order for Abatement was held, and,
16 following a hearing, a Stipulated Order for Abatement was issued. Following petition from the South
17 Coast AQMD the Hearing Board held a Status/Modification Hearing pursuant to notice in
18 accordance with the provisions of California Health and Safety Code §§ 40823 and 42451(a) and
19 District Rule 812 to consider modifications to the Stipulated Order. The following members of the
20 Hearing Board were present: Cynthia Verdugo-Peralta, Chair; Jerry P. Abraham, MD, MPH, CMQ;
21 Micah Ali; Mohan Balagopalan; and Robert Pearman, Esq., Vice Chair. Petitioner South Coast Air
22 Quality Management District ("South Coast AQMD") was represented by Kathryn Roberts, Senior
23 Deputy District Counsel, Mary Reichert, Senior Deputy District Counsel and Ryan Mansell, Senior
24 Deputy District Counsel. Respondent Chiquita Canyon, LLC, was represented by Jacob P. Duginski,
25 attorney at law, Megan L. Morgan, attorney at law, Leigh S. Barton, attorney at law, and Julia F. Li,
26 attorney at law, of Beveridge & Diamond, P.C. South Coast AQMD and Respondent presented a
27 stipulation on proposed modifications. The public was given the opportunity to testify, evidence was
28 received, and the matter was submitted. The Hearing Board finds and decides as follows:

-1-

1 **FINDINGS OF FACT**

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

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

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

20 4. **South Coast AQMD Rule 102 and H&S Code Section 39013** define "air
21 contaminant," including as used in Rule 402 and Section 41700, as "any discharge, release, or other
22 propagation into the atmosphere directly or indirectly caused by man and includes, but is not limited
23 to, smoke, charred paper, dust, soot, grime, carbon, fumes, gases, odors, particulate matters, acids or
24 any combination thereof."

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

28 6. **South Coast AQMD Rule 3002(c)(1)** requires operators to operate all Title V

1 facilities in compliance with all Title V permit conditions at all times.

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

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

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

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

17 11. **South Coast AQMD Permit No. G73696, Condition No. 16** limits CCL's Flare No.
18 1 to a maximum of 2.5 lbs/hour of sulfur oxides ("SO_x") as SO₂.

19 12. **South Coast AQMD Permit No. G73696, Condition No. 17** limits CCL's Flare No.
20 2 to a maximum of 2.5 lbs/hour of SO_x as SO₂.

21 13. **South Coast AQMD Permit No. A/N 624296, Condition No. 31** limits CCL's Flare
22 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
23 limited by its permit to a daily average in the inlet of 85 ppmv sulfur as H₂S, and monthly average
24 of 60 ppmv sulfur as H₂S, and a daily average in the inlet of 150 ppm sulfur as H₂S

25 14. Respondent's operation at CCL also includes a landfill gas collection and control
26 system that includes vertical and horizontal gas collection wells and associated piping and trenches,
27 multiple collection headers and blowers for venting landfill gas, a landfill gas treatment system, a
28 condensate/leachate collection system and three flares which combust landfill gas. CCL also has an

1 active permit application for an additional fourth flare which, if permitted, would be incorporated
2 into its landfill gas collection and control system.

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

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

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

18 18. South Coast AQMD Inspectors investigated the complaints and traced some of them
19 back to CCL and confirmed CCL as the source of the odors on numerous occasions, and have
20 consistently traced odors back to the area of the landfill affected by the reaction rather than the
21 working face. Between May and September 5, 2023, South Coast AQMD issued 58 Notices of
22 Violation (“NOVs”) against Respondent for violating South Coast AQMD Rule 402 and H&S Code
23 § 41700.

24 19. On September 6, 2023, the Hearing Board held a hearing on South Coast AQMD’s
25 Petition for an Order for Abatement. At the conclusion of the hearing, the Hearing Board issued a
26 Stipulated Order for Abatement (“Stipulated Order”).

27 20. Following adoption of the Stipulated Order, South Coast AQMD learned that CCL
28 was experiencing leachate seeps, where leachate would be exposed at the landfill surface and to the

1 ambient air rather than being collected subsurface via Respondent's leachate collection system. To
2 address this and related issues which were not covered in the Stipulated Order. South Coast AQMD
3 petitioned for a status modification hearing on November 3, 2023. A hearing was initially set on
4 December 12, 2023. The hearing was continued to January 9, 2024. The Parties later stipulated to
5 combine the continued modification hearing with the pre-set status hearing on January 16, 2024.

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

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

16 23. Prior to the close of the hearing on January 17, 2024, the Parties jointly submitted a
17 set of stipulated proposed modifications to the Stipulated Order.

18 CONCLUSIONS

19 1. The Modified Stipulated Order for Abatement set forth hereinafter is likely to
20 mitigate conditions that could contribute to potential odors and potential nuisance.

21 2. The issuance of this Modified Stipulated Order for Abatement upon a fully noticed
22 hearing would not constitute a taking of property without due process of law.

23 3. There is good cause for adopting the modifications of the Order as stipulated to by
24 the Parties.

25 4. This Modified Stipulated Order for Abatement is not intended to be nor does it act as
26 a variance.

27 ORDER

28 THEREFORE, subject to the aforesaid statements and good cause appearing, the Hearing

1 Board hereby orders Respondent to comply with California Health and Safety Code Section 41700,
2 South Coast AQMD Rules 402, 203, 431.1, and 3002, and all conditions of Respondents Permits.
3 The Hearing Board further hereby orders Respondent to comply with the following conditions and
4 increments of progress:

5 **Odor Surveillance**

- 6 1. Respondent shall conduct odor surveillance in the communities surrounding CCL as
7 follows:
- 8 a. Respondent shall contract with a trained third party to conduct odor surveillance
9 each operating day within thirty (30) days after the issuance of the September 6,
10 2023 Order (the "Initial Order"). Respondent shall conduct odor surveillance each
11 operating day until the trained third party has been contracted. Respondent, or
12 Respondent's contractor, as applicable, shall conduct community odor surveillance
13 at least twice each operating day, once between the hours of 7:00 a.m. and 11:00
14 a.m. and once between the hours of 8:00 p.m. and 12:00 a.m. If a three-week period
15 passes without Respondent receiving a Rule 402 NOV from the South Coast
16 AQMD, or detecting odors at above an intensity of 2 at more than 2 stops during a
17 single surveillance, then Respondent, or Respondent's contractor, as applicable,
18 may stop conducting the odor surveillances. If Respondent, or Respondent's
19 contractor, as applicable, has stopped conducting the odor surveillances pursuant to
20 this condition and Respondent subsequently receives a Rule 402 NOV from the
21 South Coast AQMD, then Respondent, or Respondent's contractor, as applicable,
22 must resume conducting the odor surveillances until another three-week period
23 passes with no Rule 402 NOVs issued by the South Coast AQMD, or without
24 Respondent or Respondent's contractor, as applicable, detecting odors at above an
25 intensity of 2 at more than 2 stops in a single surveillance.
- 26 b. Respondent, or Respondent's contractor, as applicable, shall conduct an odor
27 surveillance at each of the following Surveillance Locations:

28

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 Kennington 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
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

1 c. Respondent, or Respondent's contractor, as applicable, conducting the odor
2 surveillance shall not have visited the Reaction Area (as defined in Condition 9(a)),
3 working face, or other areas where exposed trash or landfill gas odors exist at CCL
4 within four hours prior to conducting an odor surveillance.

5 d. Odor surveillance shall be conducted by proceeding to each Surveillance Location
6 and making an assessment of each parameter listed in Condition No. 1(e).
7 Assessment of each parameter shall be made while standing in ambient air and shall
8 not be made from within a vehicle.

9 e. Respondent, or Respondent's contractor, as applicable, shall record odor
10 surveillance results in an "Odor Surveillance Log" before the end of the work day.
11 The Odor Surveillance Log shall contain, but not be limited to: (1) the date and time;
12 (2) stop number; (3) the name of the person performing the surveillance and written
13 acknowledgement that they did not visit the working face or other on-site areas
14 where exposed trash or landfill odors such as, but not limited to landfill gas odors,
15 refuse or refuse contaminated material odors, or landfill liquids/landfill leachate
16 odors exist within a four hours prior to conducting an odor surveillance, (4) the wind
17 speed and direction; (5) a narrative description of any odor detected (including the
18 type of odor, such as trash, landfill gas, chemical, odor neutralizer, as applicable);
19 (6) current weather conditions; and (7) an assessment of the strength of any odor
20 detected using the scale below:

0	No odor detected
1	Very light odor detected
2	Light odor detected
3	Moderate odor
4	Strong odor
5	Very strong odor

21
22
23
24
25 f. If Respondent, or Respondent's contractor, as applicable, conducting the odor
26 surveillance detects odors at three or more stops that are determined to be of a
27 strength of 3 or higher on the scale above during any surveillance occurring during
28 Respondent's operating hours (between the hours of 4:00am and 5:00pm),

1 Respondent, or Respondent's contractor, as applicable, shall immediately notify
2 landfill operating staff. Respondent shall designate an employee able to receive and
3 direct action related to such notifications promptly. Upon receiving such
4 notification, Respondent shall, within 30 minutes of receipt, review and initiate
5 modifications, as appropriate, to fan placement, and conduct a visual inspection of
6 the Reaction Area (as defined in Condition 9(a)) to assess, and address as needed,
7 any cracks in the surface of the area.

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

12 **Reducing Sulfur in the Landfill Gas to be Flared**

- 13 3. Respondent shall expedite, to the maximum extent feasible, replacement of granular
14 activated carbon media in the Landfill Gas Treatment System (under Permit G55163, A/N
15 603249), including the execution of contracts, as well as the delivery, replacement, startup,
16 and testing of any operation necessary to replenish and/or replace spent granular activated
17 carbon media in the Landfill Gas Treatment System. Respondent shall ensure adequate
18 stock of all odor control products and supplies are maintained on site.

- 19 a. Respondent shall monitor and record the landfill gas temperature at least daily at
20 the inlet of the Landfill Gas Treatment System. The temperature of the landfill gas
21 shall not exceed 145 F

- 22 4. Respondent shall prioritize and maximize the use and operation of landfill gas flares No. 2
23 (under Permit G73696, A/N 645450) and No. 3 (under A/N 624296) over landfill gas flare
24 No. 1 (under Permit G73696, A/N 645450) to the maximum extent feasible when
25 combusting landfill gas at the facility (FID 119219). Once Respondent receives the
26 necessary permits and puts the new landfill gas flare discussed in Condition 20 ("landfill
27 gas flare No. 4") into operation, Respondent shall prioritize and maximize the use and
28 operation of landfill gas flares Nos. 3 and 4 over landfill gas flares No. 1 and No. 2 (under

1 Permit G73696, A/N 645450) and prioritize and maximize the use and operation of landfill
2 gas flare No. 2 over landfill gas flare No. 1 to the maximum extent feasible when
3 combusting landfill gas at the facility (FID 119219).

4 5. Respondent shall sample, analyze, and record the landfill gas sulfur compounds combusted
5 in each flare (as measured at sampling location FL-150 that is representative of the gas
6 combusted in the flares under Permit G73696, A/N 45450; A/N 624296) at least once each
7 week using colorimetric tests for H₂S and at least once each week sample for analysis for
8 total sulfur compounds as H₂S using South Coast AQMD Method 307-91. Additionally,
9 Respondent shall sample, analyze, and record the landfill gas sulfur compounds found in
10 the raw, pre-treatment and pre-control, landfill gas collected from the Reaction Area (as
11 defined in Condition 9(a)) at least once each calendar month for total sulfur compounds as
12 H₂S using South Coast AQMD Method 307-91.

13 a. Respondent shall record South Coast AQMD Method 307-91 analysis upon receipt
14 of laboratory analysis report. Each recorded measurement or result shall be
15 documented with the time and date when the measurement or sample collection was
16 conducted, and initialed by the personnel that conducted the measurement or sample
17 collection.

18 b. Sulfur compound readings and analysis shall be reported to South Coast AQMD
19 pursuant to Condition No. 8.

20 i. Tedlar bags used for Method 307-91 sampling and analysis shall not contain
21 droplets or debris.

22 ii. Colorimetric tube readings shall be conducted by taking a reading from a
23 Tedlar bag sample using an appropriate colorimetric tube sample collection
24 pump. All sampling shall be performed in accordance with the operational
25 manual for the colorimetric tube sample collection pump.

26 iii. Colorimetric tube readings shall use colorimetric tubes of appropriate
27 concentration range and shall be reported as follows:
28

1. Respondent shall first use the estimated appropriately ranged colorimetric tube.
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.

- 1 6. Respondent shall maintain adequate stock of appropriately ranged colorimetric tubes.
- 2 7. Respondent shall maintain a record of the following information, and provide such records
- 3 to the South Coast AQMD pursuant to Condition No. 8:
- 4 a. The hourly and daily flow of landfill gas combusted, in standard cubic feet, in each
- 5 flare (flares No. 1 & No. 2 under Permit G73696, A/N 645450; flare No. 3 under
- 6 A/N 624296), the thermal oxidizer (under Envent Corporation A/N 645484), the
- 7 second thermal oxidizer/flare (under Zeeco A/N 648539), and any other equipment
- 8 used to combust or control landfill gas at the facility, and the total amount of landfill
- 9 gas combusted at the facility;
- 10 b. The daily flow of landfill gas not flared, in standard cubic feet, if applicable; and
- 11 c. The results of the sulfur readings, sampling, and analyses, calculated as H₂S with
- 12 the time and date when each measurement or sample collection was conducted.
- 13 8. Respondent shall submit a monthly written report on the landfill operation, progress of the
- 14 status of the Landfill Gas Flares (flares No. 1 and No. 2 under Permit G73696, A/N 645450;
- 15 flare No. 3 under A/N 624296), Landfill Gas Treatment System (under Permit G55163,
- 16 A/N 603249), and efforts to resolve the total sulfur concentration in the landfill gas
- 17 exceeding 150 ppmv calculated as H₂S. Monthly reports shall be submitted to Respondent
- 18 on the third Monday of each subsequent month (except for this first month as described
- 19 below) not later than 5:00pm via email to Baitong Chen, Air Quality Engineer,
- 20 (bchen@aqmd.gov); Nathaniel Dickel, Senior Air Quality Engineer, (ndickel@aqmd.gov),
- 21 and Christina Ojeda, Air Quality Inspector, (cojeda@aqmd.gov). The first report for August
- 22 2023 shall be due on September 30, 2023. Each monthly report shall contain at a minimum
- 23 the following information:
- 24 a. The landfill gas sulfur compounds measurements and laboratory analysis with the
- 25 time and date of each measurement or sample collection, as identified in Condition
- 26 No. 5.
- 27 b. The landfill gas records and calculations identified in Condition No. 7, in a
- 28 Microsoft Excel spreadsheet format.

- 1 c. The integrated landfill surface sample analysis and landfill surface monitoring
2 readings identified in Condition Nos. 9 and 10, in a Microsoft Excel spreadsheet
3 format.
- 4 d. Estimated schedule for any replacement or refurbishment of granular activated
5 carbon media in the Landfill Gas Treatment System (under Permit G55163, A/N
6 603249) identified in Condition No. 3. The landfill gas temperature at inlet of the
7 Landfill Gas Treatment System (under Permit G55163, A/N 603249) identified in
8 Condition No. 3(a).
- 9 e. Description of any problems or delays, if any, encountered or projected to occur
10 pertinent to the execution of contracts, as well as the delivery, replacement, startup,
11 and testing of any operation necessary to replenish and/or replace spent granular
12 activated carbon media in the Landfill Gas Treatment System (under Permit
13 G55163, A/N 603249). Respondent shall submit copies of documents or other
14 records to support any problems or delays noted pursuant to this Condition No. 8(e)
15 along with such description.
- 16 f. Specifications of the equipment and materials used for the weekly colorimetric tests
17 (only if there is a change from the previously provided specifications of the
18 colorimetric instrumentation or method used).
- 19 g. All wellhead temperature and CO concentration readings, lab analysis, and Draeger
20 tube readings for landfill gas from the past month in a Microsoft Excel spreadsheet
21 format.
- 22 h. A graphic map showing location of each well with temperature exceedances (above
23 145 degrees Fahrenheit), each well with CO exceedances (above 1,000 ppmv and
24 below 1,500 ppmv, and above 1,500 ppmv), and stratification of temperature ranges
25 during that month, which includes a description of any remedial measures taken to
26 address or lower gas well temperatures.
- 27
28

- 1 i. All vertical liquid impacted landfill gas wells. per Condition No. 17, including a
2 description of any remedial measures taken to address or reduce liquids in landfill
3 gas wells.
- 4 j. Updates on the investigation into the availability, viability, and utilization, including
5 pilot testing if needed, of an alternative sulfur compound treatment system that
6 controls, treats, or removes dimethyl sulfide ("DMS") and other sulfur compounds.
7 if any.
- 8 k. A summary report on SCS's implemented improvements to the landfill gas
9 collection system.
- 10 l. An inspection log for landfill cover inspections, pursuant to Condition No. 30.
- 11 m. Any subsequent additions to the landfill gas collection system, pursuant to
12 Condition No. 15.
- 13 n. Any subsequent additions to the landfill gas condensate or leachate collection
14 system, such as dewatering sumps/pumps, or other dewatering work performed per
15 the dewatering guidelines and implementation plan pursuant to Condition No. 18.
- 16 o. Updates on the procurement and installation of the geosynthetic cover(s), pursuant
17 to Condition No. 31.
- 18 p. Updates on landfill excavation work subject to Rule 1150, including excavation
19 location(s) (that are identified on graphic map(s) of the landfill), and
20 excavated/exposed waste characteristics (saturated, semi-dry, dry, odor type and
21 intensity, etc.) Excavation work occurring pursuant to an exemption as listed in
22 South Coast AQMD Rule 1150(c)(3), or Rule 1150(c)(2) that is performed in the
23 Reaction Area, must also be included in these updates.
- 24 q. Updates regarding leachate including:
25 i. Leachate temperature recordings pursuant to Condition No. 27(a);
26 ii. Daily log of inspection findings and containment activities
27 pursuant to Condition 27(b);
28

1 iii. Weekly record of leachate seepage and pooling pursuant to
2 Condition 27(c); and

3 iv. Quantity of leachate measured, and associated company name and
4 physical address of the off-site disposal/treatment facility(ies) that
5 receive leachate generated by the landfill, pursuant to Condition
6 27(d).

7 9. Respondent shall collect integrated landfill surface samples for analysis across the Reaction
8 Area (as defined in Condition 9(a)) at least every two weeks as specified in Rule 1150.1
9 Attachment A 2.0. In the event Respondent is unable to sample specific landfill surface
10 area(s) or grid(s) due to inaccessibility or dangerous conditions for a technician,
11 Respondent shall document the date and the conditions that do not allow the sampling of
12 the specific area(s) or grid(s). Documentation shall be sufficient to show the inaccessibility
13 or dangerous conditions and may include weather forecasts and actual rainfall
14 measurements, or photographs and/or videos that depict the site conditions that prevent
15 such sampling activities for each specific area or grid affected.

16 a. The "Reaction Area" shall be defined initially by the boundary of Cells
17 1/2A, 2B/3, 4, and Module 2B/3/4 P2. The boundary of the Reaction Area
18 shall be modified to include the associated landfill surface area of the cells
19 and modules that experience well temperatures of at least 170 degrees
20 Fahrenheit, settlement, cracks in the landfill cover, presence and quantity
21 of liquids, and the presence of hydrogen in the landfill gas. The Reaction
22 Committee (defined in Condition No. 12), shall transmit to the South Coast
23 AQMD [attn: Baitong Chen, bchen@aqmd.gov; Nathaniel Dickel,
24 ndickel@aqmd.gov; Christina Ojeda, cojeda@aqmd.gov]; 1) the revised
25 map which clearly displays the proposed boundary change(s) and depicts
26 the new Reaction Area; 2) a narrative summary explaining the rationale
27 behind the proposed changes, including memorializing any dissenting
28

1 view of any member of the Reaction Committee; and 3) any supporting
2 data relied upon in the decision to revise the Reaction Area.

3 b. The Reaction Committee shall review applicable data and shall consider
4 revision to the Reaction Area as frequently as appropriate but shall make
5 a determination about whether to revise the Reaction Area map at least
6 once per month, with the determination and revised Reaction Area map (if
7 applicable) submitted to the South Coast AQMD [attn: Baitong Chen,
8 bchen@aqmd.gov; Nathaniel Dickel, ndickel@aqmd.gov; Christina
9 Ojeda, cojeda@aqmd.gov] no later 7 days following the end of the month.

10 10. Respondent shall conduct instantaneous landfill surface monitoring across the Reaction
11 Area (as defined in Condition 9(a)) at least every two weeks as specified in Rule 1150.1,
12 Attachment A 3.0, beginning no later than seven (7) days after the issuance of this Order.
13 In the event Respondent is unable to monitor specific landfill surface area(s) or grid(s) due
14 to inaccessibility or dangerous conditions for a technician, Respondent shall document the
15 date and the conditions that do not allow the monitoring of the specific area(s) or grid(s).

16 11. Respondent shall continue operating its flares and landfill gas treatment system even if the
17 emitted landfill gas exceeds the limits on total reduced sulfur and SO_x laid out in CCL's
18 permits (Permit G55163, Condition Nos. 11 and 16 and CCL's Facility-Wide Permit,
19 Condition No. 3) and South Coast AQMD Rules 431.1(c)(2), 3002(c)(1), and 203(b).
20 Respondent shall include deviation reporting associated with exceedances of these
21 emissions limits in its semi-annual Title V reports and in accordance with the requirements
22 of Respondent's Title V permit.

23 **Investigation of Underlying Reaction and Odor Impacts**

24 12. Respondent shall organize a committee (the "Reaction Committee") consisting of subject
25 matter experts to aid in the investigation, impact assessment, and remediation of the
26 ongoing landfill reaction and resultant odors as specified below. Respondent shall, through
27 retention of one or more consultants and/or designation of one or more new or existing
28 employees, complete the formation of the Reaction Committee within thirty (30) days of

1 the issuance of this Order. Respondent shall, within thirty (30) days of the issuance of this
2 Order, or within ten (10) days of their appointment, if appointment occurs after October 6,
3 2023, provide to the South Coast AQMD [Baitong Chen, Air Quality Engineer,
4 (bchen@aqmd.gov); Nathaniel Dickel, Senior Air Quality Engineer, (ndickel@aqmd.gov),
5 and Christina Ojeda, Air Quality Inspector (cojeda@aqmd.gov)] the names of all persons
6 included in the Reaction Committee along with a Curriculum Vitae, or other description of
7 the individual's credentials, experience, and/or expertise in the applicable subject matter.

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

10 i. Landfill design and operational best management practices;

11 ii. Landfill gas collection/extraction systems, landfill gas
12 condensate/leachate collection systems, and landfill gas control;

13 iii. Chemical reaction(s) within landfills leading to formation of and
14 elevated levels of dimethyl sulfide ("DMS") and non-methane
15 organic compounds ("NMOC");

16 iv. Public health relating to air quality and exposure to air
17 contaminants including DMS. The public health member shall, at
18 a minimum, apply CAAQS and applicable OEHHA standards,
19 reference exposure levels, and cancer potency factors in
20 performing analyses of potential health impacts or effects and in
21 reaching conclusions. The public health member shall also include
22 in any human health screening evaluation an odor assessment
23 evaluating the potential health impact of exposure to odorants in
24 addition to cancer and non-cancer risk determination.

25 b. Reaction Committee members shall be subject to ongoing oversight by the South
26 Coast AQMD. If in the South Coast AQMD's determination one or more members
27 appointed by Respondent to the Reaction Committee is not serving in this capacity
28 satisfactorily, as defined herein, South Coast AQMD may provide written notice

Commented [KR1]: Wording reflects change by Board at adoption

1 to Respondent through Counsel that the applicable person(s) is no longer serving
2 satisfactorily. Failure to serve in a satisfactory capacity is defined as:

- 3 i. Failure of a Reaction Committee member to attend regularly
4 scheduled meetings of the Reaction Committee and South Coast
5 AQMD technical staff without prior notice;
- 6 ii. Failure of a Reaction Committee member to meet deadlines
7 imposed on the Reaction Committee for deliverables set forth in
8 this Order;
- 9 iii. Failure of the Public Health member to include the analyses
10 required by Condition 12(a)(iv); or
- 11 iv. Failure of a Reaction Committee member to respond in a timely
12 and substantive manner to recommendations provided by South
13 Coast AQMD technical staff, as required by Condition 12(f)(iv)

14 c. If Respondent receives such notice from South Coast AQMD, Respondent may
15 respond in writing within ten (10) days to contest South Coast AQMD's
16 conclusion and explain how the member will remedy the cited unsatisfactory
17 conduct and why such conduct does not affect the member's ability to serve in a
18 satisfactory capacity on the Reaction Committee in the future.

19 d. If South Coast AQMD receives such a response, South Coast AQMD shall have
20 ten (10) days to determine whether a member of the Reaction Committee may
21 continue to serve on the Reaction Committee. If South Coast AQMD determines
22 that Respondent's written response does not address the alleged unsatisfactory
23 performance, then South Coast AQMD may petition for a status/modification
24 hearing before the Hearing Board, and the Hearing Board shall determine if a
25 member of the Reaction Committee should be removed.

26 e. While awaiting a decision from the Hearing Board, a member of the Reaction
27 Committee may continue to serve on the Reaction Committee. If the Hearing
28 Board determines that a member of the Reaction Committee's performance has
not been satisfactory, then it may issue an Order directing Respondent to remove
and replace that member of the Reaction Committee. Respondent shall remove the
applicable person from any further work or service on the Reaction Committee
within ten (10) days of receipt of the Order. Respondent shall identify and appoint

1 a replacement member of the Reaction Committee, pursuant to Condition No.
2 12(a) above, within thirty (30) days of receipt of the Order.

3 f. Beginning in March 2024, Respondent shall host a monthly virtual meeting with all
4 members of the Reaction Committee and South Coast AQMD technical staff. The
5 purpose of the monthly meeting shall be to allow Reaction Committee members to
6 provide an update on progress of ongoing and future planned work performed/to be
7 performed pursuant to this Order which is directly related to the subsurface reaction
8 at the Landfill, and allow South Coast AQMD to provide recommendations and/or
9 feedback on such progress.

10 i. To facilitate each meeting, Respondent shall provide South Coast
11 AQMD (attn: Baitong Chen, bchen@aqmd.gov; Nathaniel Dickel,
12 ndickel@aqmd.gov; Christina Ojeda, cojeda@aqmd.gov; Payam
13 Pakbin, ppakbin@aqmd.gov; Kathryn Roberts,
14 kroberts@aqmd.gov; Mary Reichert, mreichert@aqmd.gov) a
15 proposed agenda listing the topics to be discussed, and the
16 presenter, not later than ten (10) calendar days prior to the meeting.
17 South Coast AQMD shall have the option to expand the agenda to
18 include additional topics within the purview of the Reaction
19 Committee. If South Coast AQMD elects to expand the agenda, it
20 shall provide notice to Respondent not later than four (4) calendar
21 days prior to the meeting.

22 ii. Respondent shall ensure that all members of the Reaction
23 Committee with responsibility for any topic included on the
24 agenda shall attend that month's meeting. At Respondent's
25 election, additional staff or consultants may also attend. At South
26 Coast AQMD's sole discretion, it may invite any staff or consultant
27 of any regulatory agency with jurisdiction over Respondent,
28 including jurisdiction predicated on the subsurface reaction at the

1 Landfill, to participate in and provide recommendations or
2 feedback on any agenda topics.

3 iii. South Coast AQMD, and any personnel invited pursuant to the
4 clause above, may provide feedback or recommendations on any
5 topic on the agenda. Comments noted as "recommendations" shall
6 include suggestions to revise, change, expand, or otherwise alter
7 any aspect of the topic discussed on the agenda. All other
8 comments shall be considered feedback.

9 iv. Following each monthly meeting, Respondent shall prepare a
10 summary of the meeting, including the topics discussed and all
11 recommendations received. Respondent shall include in the
12 summary a response from the Reaction Committee to all
13 recommendations and, as applicable, any changes made as a result.
14 Respondent, at its election, may also include a summary of and
15 response to any feedback received. Respondent shall post the
16 summary of the meeting to the webpage created pursuant to
17 Condition No. 39, not later than twenty (20) days following the
18 meeting.

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

23 i. A study into known and possible methods for effective treatment
24 of DMS and preventative mechanisms for DMS formation in
25 landfill gas, including assessment of other landfills and review of
26 scientific studies. By no later than April 30, 2024, Respondent shall
27 provide a report detailing the findings of this Landfill Gas DMS
28 Treatment Study and the proposals for implementation of the

1 treatment methods. This report shall be submitted to South Coast
2 AQMD [Baitong Chen, Air Quality Engineer, (bchen@aqmd.gov);
3 Nathaniel Dickel, Senior Air Quality Engineer,
4 (ndickel@aqmd.gov), and Christina Ojeda, Air Quality Inspector,
5 (cojeda@aqmd.gov)]. Respondent shall submit any required
6 permit applications, with information included, for equipment
7 installations or modifications necessary for implementation of the
8 remedy strategies and/or treatment methods;

- 9 ii. An investigation and report on 1) the cause of the alleged chemical
10 reaction(s) resulting in the elevated well temperatures, elevated
11 levels of DMS formation in the landfill gas, and elevated levels of
12 NMOC formation in the landfill gas and 2) solutions to slow and
13 stop the reaction(s) in the landfill. Investigation into the cause of
14 the alleged chemical reaction(s) shall include, but not be limited
15 to, waste characterization study of waste disposed within the
16 Reaction Area, to the extent records of such waste are within
17 Respondent's possession, including (but not limited to) analysis of
18 chemical and physical characteristics, BTU, moisture content,
19 biological methane potential. Respondent shall also conduct drill
20 core sampling in the Reaction Area (as defined in Condition 9(a))
21 to assess waste characterization in areas not affected by elevated
22 temperatures at the time of drilling. Respondent shall submit a
23 report on the findings of the investigation by no later than
24 December 8, 2023 to South Coast AQMD [Baitong Chen, Air
25 Quality Engineer, (bchen@aqmd.gov); Nathaniel Dickel, Senior
26 Air Quality Engineer, (ndickel@aqmd.gov), and Christina Ojeda,
27 Air Quality Inspector, (cojeda@aqmd.gov)];

1 iii. An investigation and report on the feasibility and availability of a
2 continuous community emission monitoring system to conduct
3 continuous monitoring and provide estimates of DMS
4 concentrations at the facility fenceline and within the affected
5 community. By no later than December 1, 2023, Respondent shall
6 submit to the South Coast AQMD [Baitong Chen, Air Quality
7 Engineer, (bchen@aqmd.gov); Nathaniel Dickel, Senior Air
8 Quality Engineer, (ndickel@aqmd.gov), and Christina Ojeda, Air
9 Quality Inspector, (cojeda@aqmd.gov)], the feasibility and
10 availability findings of this fenceline and community DMS
11 monitoring program. The findings shall identify all companies,
12 vendors, contractors, and consultants that were inquired regarding
13 the feasibility and availability and the results for each inquiry,
14 including an ultimate decision if monitoring is feasible. If the
15 Reaction Committee deems monitoring under this provision
16 feasible, Respondent shall prepare and submit to the South Coast
17 AQMD [Baitong Chen, Air Quality Engineer,
18 (bchen@aqmd.gov); Nathaniel Dickel, Senior Air Quality
19 Engineer, (ndickel@aqmd.gov), and Christina Ojeda, Air Quality
20 Inspector, (cojeda@aqmd.gov)] a workplan for the installation of
21 and operation of the required monitoring equipment and related
22 installations within thirty (30) days of the Reaction Committee's
23 decision. This workplan will include a timeline for procurement
24 of monitoring equipment and for the commencement of
25 monitoring. It will also include a timeline for reporting out on the
26 collected data, including a proposal relating to the real-time
27 posting of monitoring data on Respondent's website or other
28 regular report-outs on the data;

- 1 iv. A study and report on landfill best management practices and
2 alternative methods to minimize the release of fugitive surface gas
3 and minimize odors from fugitive surface gas, including cover
4 practices at the Reaction Area (as defined in Condition 9(a)) and
5 working face, and how best to address related odorous emissions,
6 such as through the use of misting systems, fans, odor neutralizer,
7 or other means. By no later than November 6, 2023, Respondent
8 shall submit a report detailing the findings of this Fugitive Landfill
9 Gas Odor Mitigation Study and the proposals for the minimization
10 of landfill gas release and odors. This report shall be submitted to
11 South Coast AQMD [Baitong Chen, Air Quality Engineer,
12 (bchen@aqmd.gov); Nathaniel Dickel, Senior Air Quality
13 Engineer, (ndickel@aqmd.gov), and Christina Ojeda, Air Quality
14 Inspector, (cojeda@aqmd.gov)];
- 15 v. A report on the known health risks from acute and long-term
16 exposure to DMS, including any action levels from other public
17 health or government entities, and including a summary of
18 recommended actions for persons exposed to DMS for acute and
19 long-term durations. By no later than January 15, 2024,
20 Respondent shall submit this report to South Coast AQMD
21 [Baitong Chen, Air Quality Engineer, (bchen@aqmd.gov);
22 Nathaniel Dickel, Senior Air Quality Engineer,
23 (ndickel@aqmd.gov), and Christina Ojeda, Air Quality Inspector,
24 (cojeda@aqmd.gov)]; and
- 25 vi. A report of the health impacts from ongoing and long-term (e.g.
26 greater than one year) exposure to hydrogen sulfide (H2S), or other
27 speciated sulfur compounds, and any other hazardous air pollutants
28 (HAPs), as defined in the federal Clean Air Act, 42 U.S.C. § 7412.

1 The HAPs evaluated in the report shall include those which are
2 detected: (1) in landfill gas over the past twelve months at the
3 Chiquita Canyon Landfill as documented in the initial or additional
4 flux chamber study (per Condition No. 12(f)) or detected in stack
5 emissions testing; (2) in the liquids and leachate samples collected
6 and analyzed (per Condition No. 37); (3) in air sampling performed
7 to determine emissions from exposed liquids/leachate; and (4) in
8 the community pursuant to the enhanced community air
9 monitoring program in exceedance of recommended toxicity
10 screening values published by the US EPA or other applicable
11 screening values where US EPA toxicity screening values are
12 unavailable. The report shall include, but not be limited to,
13 assessment and analysis of any action levels from other public
14 health or government entities in the United States for any such
15 constituents, recommended actions for persons exposed to such
16 constituents, and recommendations on how to limit any anticipated
17 adverse health impacts. Such report shall also include a summary
18 of all findings, health impacts and recommendations in an easy-to-
19 read format designed for distribution to and use by the public. By
20 no later than August 1, 2024, Respondent shall submit this report
21 to South Coast AQMD [Baitong Chen, Air Quality Engineer,
22 (bchen@aqmd.gov); Nathaniel Dickel, Senior Air Quality
23 Engineer, (ndickel@aqmd.gov), and Christina Ojeda, Air Quality
24 Inspector, (cojeda@aqmd.gov)].

- 25 h. Respondent shall make public all reports resulting from investigations and studies
26 done pursuant to this Condition through a link preceded by a brief narrative
27 description on the webpage created pursuant to Condition No. 39.
28

1 i. Respondent has conducted an initial flux chamber study pursuant to the direction of
2 the Los Angeles County Department of Public Health. Respondent shall submit a
3 report documenting the findings of the initial study no later than October 31, 2023
4 to South Coast AQMD [Baitong Chen, Air Quality Engineer, (bchen@aqmd.gov);
5 Nathaniel Dickel, Senior Air Quality Engineer, (ndickel@aqmd.gov), and Christina
6 Ojeda, Air Quality Inspector, (cojeda@aqmd.gov)]. Respondent shall conduct an
7 additional landfill gas flux study for methane, non-methane organic compounds
8 (“NMOC”), toxic air contaminants (TAC), total reduced sulfur (“TRS”), and
9 speciated sulfur compounds to determine the surface flux throughout the landfill.
10 The study shall be conducted through the use of dynamic flux chambers oriented at
11 various locations throughout the landfill site. Respondent shall prepare a proposed
12 protocol for the study based on the results of the initial study and shall submit the
13 protocol to South Coast AQMD [Baitong Chen, Air Quality Engineer,
14 (bchen@aqmd.gov); Nathaniel Dickel, Senior Air Quality Engineer,
15 (ndickel@aqmd.gov), and Christina Ojeda, Air Quality Inspector,
16 (cojeda@aqmd.gov)] for review and approval by December 31, 2023. A report
17 documenting the differences in the findings between the initial study and the
18 additional study shall be submitted by no later than 90 days after South Coast
19 AQMD approves the protocol to South Coast AQMD [Baitong Chen, Air Quality
20 Engineer, (bchen@aqmd.gov); Nathaniel Dickel, Senior Air Quality Engineer,
21 (ndickel@aqmd.gov), and Christina Ojeda, Air Quality Inspector,
22 (cojeda@aqmd.gov)].

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

24 13. Respondent shall expand its gas well system. Respondent shall continue to operate the
25 installed five deep trench collectors in the Reaction Area (as defined in Condition 9(a)) and
26 six leachate extraction pumps along the west slope. Respondent has installed 18 vertical
27 dual extraction wells, and these 18 vertical dual extraction wells shall be connected to the
28

1 landfill gas system by September 15, 2023 unless the circumstances outlined in Condition
2 13(a) apply.

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

10 14. Respondent shall continue to monitor each landfill gas collection system well at least
11 monthly for at least temperature pursuant to 40 CFR Part 63 Subpart AAAA. Respondent
12 shall address wells with a temperature reading of at least 170 degrees Fahrenheit or greater
13 in accordance with 40 CFR 63 Subpart AAAA. Notwithstanding temperature exceedances,
14 Respondent shall continue to operate all wells as necessary to ensure the continued
15 operation of the landfill gas collection system.

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

- 20 b. Any breakdown or malfunction of the landfill gas collection system
21 resulting in the emission of raw landfill gas as described in Condition
22 14(a) shall be reported to the South Coast AQMD by phone (1-800-
23 CUT-SMOG) or other District-approved method within one hour after
24 occurrence or within one hour of the time said person knew or
25 reasonably should have known of its occurrence and immediate remedial
26 measures shall be undertaken to correct the problem and prevent further
27 emissions into the atmosphere.

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

11 a. By January 31, 2024, Respondent shall provide to the South Coast
12 AQMD [attn: Baitong Chen, Air Quality Engineer, (bchen@aqmd.gov);
13 Nathaniel Dickel, Senior Air Quality Engineer, (ndickel@aqmd.gov),
14 and Christina Ojeda, Air Quality Inspector, (cojeda@aqmd.gov)] the
15 design and installation schedule for a minimum of an additional seventy
16 (70) wells and their associated piping. The proposed well locations and
17 connecting piping shall be identified on a drawing which shows the
18 entire gas collection system and shall be described in writing. Estimated
19 gas collection volume, well depths, pipe lengths, diameters and layouts
20 shall be supplied to the South Coast AQMD in this advance notification.
21 Updates to the design and schedule shall be provided in the monthly
22 report pursuant to Condition No. 8(m);

23 b. Within 14 days of completion of the installation of the wells identified in
24 the plan submitted under Condition 15(a), if Respondent decides that
25 more wells are imminently necessary, Respondent shall submit to South
26 Coast AQMD [attn: 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,

1 (cojeda@aqmd.gov)] the design and installation schedule of the
2 additional wells and their associated piping that Respondent will plan to
3 install. The information required by Condition 15(a) shall be included in
4 the submission. Updates to the design and schedule shall be provided in
5 the monthly report pursuant to Condition No. 8(m);

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

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

1 with evidence substantiating the delay, and additionally shall provide an
2 updated installation schedule.

3 k. Respondent shall, once additional/adequate gas extraction capacity is
4 installed, operate gas extraction wells with less than 3 percent oxygen
5 where feasible, and follow landfill best management practices to keep the
6 oxygen below 5 percent in interior wells;

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

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

17 16. Respondent shall submit, by October 6, 2023, a complete permit modification application
18 for the Landfill Gas Collection System (under Permit G43917, A/N 578102) to increase the
19 number of permitted wells in the well field. The submittal shall be accompanied with a
20 complete Title V Revision application and shall be submitted with an expedited permit
21 processing request and associated required fees, forms, and information.

22 17. Respondent shall expeditiously dewater wells being impacted by liquids, and shall take
23 proactive measures to remove additional liquids in the Reaction Area to limit the reaction
24 severity and spread. This shall be accomplished through the installation of dewatering
25 sumps/pumps at at least 60 percent of the landfill gas vertical extraction wells in the
26 Reaction Area (as defined in Condition 9(a)) that are capable of extracting liquids by March
27 15, 2024 unless otherwise determined infeasible per Condition No. 17(a). below.
28 Respondent shall provide updates in the monthly reports pursuant to Condition No. 8.

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

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

- 14 a. Proposed methodologies and monitoring procedures that determine the level of
15 dewatering within the Reaction Area (as defined in Condition 9(a)) wells impacted
16 by liquid. Methods may include the measurement of the gas flow at each landfill
17 gas collection well impacted by liquids;
- 18 b. Use of dewatering pumps or other methods to remove liquids from Reaction Area
19 (as defined in Condition 9(a)) wells impacted by liquids;
- 20 c. An implementation plan for the use of dewatering pumps or other methods to
21 remove liquids from the Reaction Area wells impacted by liquids. The plan shall
22 include a list of wells in the Reaction Area and depth where liquids are expected to
23 impact landfill gas collection efficacy or be a concern, the proposed action to
24 remove the liquids, and the schedule for liquid removal. The implementation plan
25 shall also include pro-active measures, such as additional dewatering pumps, to be
26 installed at landfill gas collection wells where liquid impaction issues have not yet
27 occurred, but may be expected to occur.

- 1 d. Upgrades to the site leachate collection system as needed, including through the
2 addition of increased air compressor and/or drain line infrastructure;
- 3 e. Protocols for the pumping and monitoring of dewatering pumps and other such
4 methods to remove water from Reaction Area (as defined in Condition 9(a)) wells
5 impacted by liquids;
- 6 f. Well field liquid sounding in the Reaction Area (as defined in Condition 9(a)), and
7 a proposed schedule for conducting liquid sounding on a consistent basis;
- 8 g. A timeline for appropriate reporting on impacted wells;
- 9 h. The feasibility of integrity testing of all vertical gas wells in the Reaction Area (as
10 defined in Condition 9(a)) and a timeline and protocol for addressing any wells that
11 the integrity testing demonstrates are damaged or are exhibiting temperatures of at
12 least 170 degrees Fahrenheit; and
- 13 i. A timeline for implementation of appropriate dewatering procedures upon
14 discovery of wells impacted by liquids.

15 The proposed Reaction Area dewatering guidelines and implementation procedures shall
16 be implemented within seven (7) days of South Coast AQMD approval.

- 17 19. Respondent shall submit, by October 6, 2023, a complete permit modification application
18 to the Landfill Gas Condensate and Leachate Collection/Storage System (under Permit
19 G66132, A/N 613131) to increase the landfill's liquid storage capacity. The submittal
20 shall be accompanied with a complete Title V Revision application and shall be submitted
21 with an expedited permit processing request and associated required fees, forms, and
22 information.
- 23 20. Respondent shall increase its landfill gas control capacity. Respondent has submitted a
24 permit application for a new 6,000 scfm ultra-low emissions landfill gas flare (Flare No. 3),
25 which is currently in a public comment period. Once the flare is fully permitted and fully
26 operational equipment is received, Respondent shall have forty-five (45) days to finish
27 installation and begin operating the new landfill gas flare unless the circumstances outlined
28 in Condition No. 20(a) apply. Respondent shall notify the South Coast AQMD that the new

1 landfill gas flare is operational within 48 hours of beginning operation (Baitong Chen, Air
2 Quality Engineer, (bchen@aqmd.gov); Nathaniel Dickel, Senior Air Quality Engineer,
3 (ndickel@aqmd.gov), and Christina Ojeda, Air Quality Inspector, (cojeda@aqmd.gov)).

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

9 21. Respondent shall submit, by October 31, 2023, a complete permit application for the new
10 construction of a Landfill Gas Flare (Flare No. 4) to increase the landfill gas control
11 capacity. The submittal shall be accompanied with a complete Title V Revision application
12 and shall be submitted with an expedited permit processing request and associated required
13 fees, forms, and information.

14 22. Respondent shall continue to use one or multiple portable thermal oxidizer(s)/flare(s) that
15 operate under a permit to operate or temporary permit to operate for additional landfill gas
16 control capacity until the Reaction Committee concludes that such portable thermal
17 oxidizer(s)/flare(s) are no longer needed. Respondent shall notify the South Coast AQMD
18 as to the Reaction Committee's recommendation within 48 hours of when the Reaction
19 Committee's recommendation was determined (Baitong Chen, Air Quality Engineer,
20 (bchen@aqmd.gov); Nathaniel Dickel, Senior Air Quality Engineer, (ndickel@aqmd.gov),
21 and Christina Ojeda, Air Quality Inspector, (cojeda@aqmd.gov)).

22 23. Respondent shall continue to use both 4,000 scfm flares (under Permit No. G73696, A/N
23 645450) when the Reaction Committee determines that such use is necessary due to
24 insufficient flaring capacity or other such necessity-based situations, until the second new
25 6,000 scfm ultra-low emissions flare (Flare No. 4) referenced in Condition No. 21 is
26 permitted and operational.

27 24. Respondent shall operate and maintain the landfill so as to prevent standing leachate and
28 the pooling or ponding of leachate exposed to atmosphere throughout the facility. If pooling

1 or ponding of liquid/leachate is occurring, safety permitting, the liquid/leachate shall be
2 immediately collected and contained in a sealed tanker truck or leachate tank that minimizes
3 emissions, or repairs promptly performed to redirect leachate into the leachate collection
4 system.

5 25. Respondent shall, when encountering landfill leachate geysers or other discharges of
6 pressurized leachate as a result of drilling/maintenance/other operations, perform actions to
7 mitigate odors and the dispersion and exposure of leachate into the atmosphere, to the
8 maximum extent possible. Upon the equalization of pressure or diminished flow/end of the
9 landfill leachate geysers or other discharges of pressurized leachate, Respondent shall
10 remove soil saturated with leachate or add sufficient dry soil cover to the soil saturated with
11 the leachate, to mitigate the potential for odors from the saturated soil.

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

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

- 1 a. Measure and record the leachate temperature within the four (4) 6-inch
2 inch leachate pipes feeding into the onsite frac tanks, and at the piping
3 leading into the tanks at the bottom of the hill;
- 4 b. Respondent shall have dedicated staff or a contractor conduct and
5 document inspections twice each calendar day, once in the morning,
6 completing the inspection prior to 10 am, and once in the afternoon,
7 starting the inspection at 1 pm at the earliest. The inspections shall begin
8 with the surface of the Western and Northern slopes of the Reaction Area
9 for liquid/leachate seepage and pooling and shall additionally consist of
10 inspecting the facility's stormwater channel(s), and the facility's
11 stormwater basin(s). Respondent shall maintain records from each
12 inspection that include the details of any leachate seepage and pooling,
13 including location(s) (identified on graphic map(s) of the landfill), time
14 discovered, estimated duration of presence of leachate at such locations,
15 the characteristics of the leachate (estimated quantity, extent of area
16 impacted, odor type and intensity), the leachate saturation level of
17 surrounding soils (standing free liquid, saturated, semi-dry, dry), and
18 additional containment systems or measures deployed to route, collect,
19 and contain the exposed leachate and prevent further leachate exposure;
- 20 i. In the event that two weeks of twice daily inspections show no
21 exposed liquid/leachate seepage or pooling, Respondent may
22 reduce the inspection frequency to once daily. If after another two
23 weeks of daily inspections, no exposed liquid/leachate seepage or
24 pooling is observed, Respondent may reduce the inspection
25 frequency to once every other day during the operating week (i.e.,
26 three times each operating week). If at any point inspections
27 show exposed liquid/leachate seepage or pooling, inspection
28 frequency shall return to twice daily inspections.

1 c. On a weekly basis, compile and report the details of the inspection logs
2 from that calendar week required under Condition 27(b). Respondent
3 shall additionally report on any ongoing leachate seepage and pooling at
4 the landfill, found to have occurred at a location more than once within
5 the calendar week, including location(s) (identified on graphic map(s) of
6 the landfill), estimated duration of presence of leachate at such locations,
7 characteristics of leachate (estimated quantity, extent of area impacted,
8 odor type and intensity), leachate saturation of surrounding soils
9 (standing free liquid, saturated, semi-dry, dry), and containment systems
10 or measures deployed to route, collect, and contain the exposed leachate
11 and prevent further leachate exposure. By no later than January 23, 2024,
12 Respondent shall submit to South Coast AQMD [Baitong Chen, Air
13 Quality Engineer, (bchen@aqmd.gov); Nathaniel Dickel, Senior Air
14 Quality Engineer, (ndickel@aqmd.gov), and Christina Ojeda, Air Quality
15 Inspector, (cojeda@aqmd.gov)], the first weekly report, and shall submit
16 an additional weekly report every 7 calendar days thereafter;

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

27 28. Respondent shall operate and maintain the landfill gas collection and control system, and
28 condensate/leachate collection system with materials capable of handling gases and/or

1 liquids at the temperatures recorded at landfill gas wells and/or the leachate temperatures
2 measured pursuant to Condition No. 27(a). This shall include, but is not limited to,
3 landfill gas extraction wells, liquid/leachate extraction wells, sumps, pumps, piping,
4 French drain system(s), landfill gas treatment and control equipment, and
5 condensate/leachate storage equipment. Respondent shall utilize casing materials for
6 wells with elevated temperatures as agreed upon with the LEA. Information pertaining to
7 the installed equipment and its specifications, including material/temperature threshold
8 specifications, shall be provided to South Coast AQMD personnel within 48 hours of
9 request. If Respondent is not in possession of this information, it shall be requested from
10 the manufacturer within 24 hours of request by South Coast AQMD personnel and
11 provided to South Coast AQMD personnel within 24 hours of receipt from the
12 manufacturer.

- 13 29. Respondent shall ensure it has proper capacity to dispose of collected liquids/leachate at
14 an appropriate facility or facilities.

15 **Landfill Cover**

- 16 30. Respondent shall visually inspect the landfill cover around the Reaction Area (as defined
17 in Condition No. 9(a)) each operating day and shall promptly repair any cover issues
18 identified, which may include adding and spreading soil, wetting, and retracking any
19 damaged area. Respondent shall maintain a log demonstrating that it has addressed any
20 damages to the landfill cover, including the date the damage was identified, the action taken
21 to repair the damage, and the time at which the repair was completed. Results of the daily
22 inspection and the repair log required by this condition shall be included in the monthly
23 reports required pursuant to Condition No. 8.
- 24 31. Respondent shall install a geosynthetic cover over western portions of Module 2B/3/4 Phase
25 2, Module 2B/3, and Module 4 to limit the migration of landfill gas from the site.
26 Respondent shall submit the completed design for the cover, which will provide greater
27 definition to the cover location, including associated landfill gas extraction infrastructure
28 to be installed underneath the cover, to the South Coast AQMD by September 12, 2023

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

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

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

- 1 a. The report shall include a recommendation on whether additional modeling is
2 recommended to fully address the current odor circumstances at the landfill and
3 potential odor impacts on the nearby community.
- 4 b. If such additional modeling is recommended by the Reaction Committee, the
5 Reaction Committee shall, within 45 days of providing the report and
6 recommendation, provide a proposal to the South Coast AQMD that shall, at a
7 minimum, include the following:
- 8 i. The identification and qualifications of the primary personnel
9 and/or firms proposed to conduct the study, as well as the specific
10 techniques and location(s) where the study will be conducted;
- 11 ii. A timeline for completion of the study and submittal of the final
12 written reports to South Coast AQMD no later than 150 days after
13 South Coast AQMD approval of the study proposal.

- 14 33. Respondent shall follow the direction of DPH to expand and enhance its current ambient
15 air monitoring program to include DMS and other constituents of landfill gas, sampling at
16 residential locals where recent odor complaints have been reported and at on-site locations
17 where odors are most pronounced, and to conduct a flux chamber study (the "initial" flux
18 chamber study discussed in Condition No. 12(d)). Any reports submitted to DPH related to
19 these studies shall also be submitted to the South Coast AQMD (Baitong Chen, Air Quality
20 Engineer, (bchen@aqmd.gov); Nathaniel Dickel, Senior Air Quality Engineer,
21 (ndickel@aqmd.gov), and Christina Ojeda, Air Quality Inspector, (cojeda@aqmd.gov)).
- 22 34. By January 19, 2024, Respondent shall provide South Coast AQMD with access to all real-
23 time continuous monitoring data for PM2.5, PM10, and H2S recorded at all monitoring
24 stations (MS-01 through MS-12, and any subsequent additional monitoring stations).
25 Respondent shall by January 19, 2024 or within 5 calendar days after enhanced monitors
26 are brought online, provide South Coast AQMD with access to all real-time continuous
27 monitoring data for total reduced sulfur (TRS) and toxic air contaminants (TAC) recorded
28

1 by the enhanced monitors (MS-04, MS-12, and any additional enhanced monitors
2 thereafter, including additional monitors as required by Condition No. 36.).

3 a. Within 30 days of this issuance of this Order, Respondent shall ensure that live, real-
4 time H2S concentration data from all monitors within the Val Verde and surrounding
5 community are posted to and accessible at the webpage created pursuant to Condition
6 39 for public access, displayed in a format which is simple to review and understand.
7 The display shall allow the public to determine the real-time H2S concentration, and
8 the geographic location where the concentration is monitored. The display shall
9 additionally reference and display the acute 1-hour Reference Exposure Level (REL)
10 for H2S established by California Office of Environmental Health Hazard Assessment
11 (OEHHA), which is the same as the state-level standard for this compound (30 ppb).

12 i. Real-time data shall include, but not be limited to, chronological one-hour
13 average H2S concentrations as time series at each monitoring location. Wind
14 speed and direction shall also be included, if currently monitored by
15 Respondent.

16 ii. The website shall include a map which clearly marks the location of each air
17 monitoring station.

18 b. Within 30 days of this issuance of this Order, weekly data (from Saturday at 12:00
19 am to Friday at 11:59 pm) collected by these monitors shall be made available on the
20 webpage created pursuant to Condition No. 39, in a manner which allows for user
21 defined data download, no later than the following Monday at 5:30 pm. Data from
22 these monitors shall be kept on file and made available to South Coast AQMD
23 personnel upon request.

24 i. In the event of unexpected downtime of a monitor, Respondent shall document
25 those dates and/or times during which the monitors did not collect data. This
26 documentation shall be kept on file and posted publicly to the website created
27 pursuant to Condition No. 39.

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

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

1 36. Respondent shall, within 75 days of the issuance of this Order, install and maintain
2 instrumentation within the nearby residential community, at sites MS-10 and MS-12, as
3 defined in Respondent's existing Community Air Monitoring Program. These instruments
4 shall be capable of measuring hourly concentrations of benzene, toluene, ethylbenzene,
5 xylenes, and other relevant volatile organic compounds (VOC) with site surface emissions
6 greater than 1 ton/year, as indicated in Table 5.5 of the Chiquita Canyon Landfill
7 Assessment of Air Emissions from Landfill Surfaces Report dated October 2023.
8 Respondent shall develop a monitoring plan that utilizes reliable and field-proven
9 instrumentation, such as a micro gas chromatograph (MicroGC) with pre-concentration,
10 and seek approval from South Coast AQMD. If measurement of any target compounds is
11 not able to be practically achieved, Respondent shall inform and seek approval from South
12 Coast AQMD. Respondent shall request and pay for expedited processing of all permits
13 and procurement of the instruments, if available. To ensure Respondent is on schedule to
14 complete installation within the 75 days, Respondent shall provide the South Coast AQMD
15 (attn: Kathryn Roberts, kroberts@aqmd.gov; Mary Reichert, mreichert@aqmd.gov) an
16 update at intervals of 30 days and 60 days from the issuance of the Order. Respondent shall
17 specifically address whether it believes an extension is necessary and provide supporting
18 documentation if it is seeking such extension. The AQMD may grant an extension of up to
19 60 days as appropriate based on the evidence submitted.

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

1 sampling and analysis taken and analyzed for VOCs at MS-10 and MS-12
2 to three times per week.

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

13 38. Respondent shall take at least one representative monthly sample of liquids from the
14 Reaction Area of the Landfill and at least one representative monthly sample of leachate
15 from the bottom tanks where liquids/leachate from the entire Landfill collect and analyze
16 them per U.S. EPA Method 624.1 for the presence of volatile organic compounds (VOCs)
17 and toxic air contaminants (TACs). In the event that Respondent demonstrates, to the
18 satisfaction of South Coast AQMD, that generated liquid/leachate is sufficiently collected
19 with no remaining seepage or potential for discharges of pressurized leachate, then the
20 leachate sampling and analysis shall be reduced to a quarterly schedule. If further leachate
21 seepage or discharges of pressurized leachate are found to occur, resulting in the exposure
22 of the liquid/leachate to atmosphere, then the sampling and analysis shall return to a
23 monthly schedule. Respondent shall, within 1 week of receipt from the contract laboratory,
24 post the analytical results on Respondent's website, and provide to South Coast AQMD
25 along with a detailed description and depiction of the sampling locations (Baitong Chen,
26 Air Quality Engineer, (bchen@aqmd.gov); Nathaniel Dickel, Senior Air Quality Engineer,
27 (ndickel@aqmd.gov), and Christina Ojeda, Air Quality Inspector, (cojeda@aqmd.gov)).
28

1 **Community Outreach**

2 39. Respondent shall continue to maintain and update regularly (on a weekly basis) a dedicated
3 page of its website with a highly visible link on its homepage (the “odor mitigation section”)
4 for presenting information discussing odor mitigation at CCL. Such webpage shall include
5 all information in English and Spanish within 30 days of the issuance of this Order and
6 meet the following requirements:

- 7 a. The odor mitigation webpage shall be accessible via a direct hyperlink included on
8 the homepage of CCL’s website (<https://chiquitacanyon.com>), via a clickable link
9 with text stating “Odor Mitigation;”
- 10 b. The odor mitigation webpage shall display prominently at the top of the page a
11 notification that complaints of any odors believed to be caused by CCL can be made
12 to CCL (24-Hour Hotline) at (661) 253-5155;
- 13 c. The odor mitigation webpage shall display prominently at the top of the page a
14 notification that complaints may also be submitted to the South Coast Air Quality
15 Management District via telephone at 1 (800) CUT-SMOG or 1 (800) 288-7664 or
16 online on South Coast AQMD’s website (which shall hyperlink to the following:
17 <http://www3.aqmd.gov/webappl/complaintsystemonline/NewComplaint.aspx>);
- 18 d. The odor mitigation webpage shall include a “Recent Updates” section which shall
19 provide a narrative description of Respondent’s understanding of the reaction and
20 DMS;
- 21 e. The odor mitigation webpage shall include an “Odor Mitigation Efforts” section
22 which shall describe the efforts Respondent is taking to mitigate potential odors;
- 23 f. The odor mitigation webpage shall include an “Odor and Maintenance Logs”
24 section which shall include via hyperlink any logs created pursuant to this Order,
25 preceded by a brief narrative description;
- 26 g. The odor mitigation webpage shall include a “Reports, Permits, and Other
27 Documents” section which shall include via hyperlink, preceded by a brief narrative
28 description;

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

1 applicable), and a note of whether public comment will be received for the following
2 meetings:

- 3 i. Any noticed hearing of the South Coast AQMD Hearing Board in Case No.
4 6177-4;
- 5 ii. Any meeting of the CAC where odor mitigation and/or violations are included
6 as an agenda item or anticipated to be discussed;
- 7 iii. Any meeting of the TAC where odor mitigation and/or violations are included
8 as an agenda item or anticipated to be discussed; and
- 9 iv. Any other meeting open to the public at which CCL is a scheduled host and/or
10 participant where odor mitigation and/or violation are included as an agenda
11 item or anticipated to be discussed.

12 40. Respondent shall host a public one-hour community meeting once each calendar month
13 following a month in which Respondent receives three or more Rule 402 NOVs from the
14 South Coast AQMD. If Respondent does not receive three or more Rule 402 NOVs from
15 the South Coast AQMD in a calendar month, Respondent does not need to host a
16 community meeting during the following month. During each meeting, Respondent shall
17 provide updates with regards to implementation of this Order and make time available for
18 public comment on matters related to CCL. The meeting date and time and format (in-
19 person or virtual) shall be announced via Respondent's website and shall also be sent via
20 email to everyone who has signed up for email notifications on Respondent's website. The
21 announcement shall include a link and dial-in information to the virtual platform used to
22 conduct the meeting, or if the meeting is in-person, the location of the meeting. All meetings
23 held in person shall adhere to all applicable public health guidelines and shall take place
24 within the Val Verde community. Any presentation, meeting materials, or other media
25 created or shared by Respondent at such community meeting shall be posted to
26 Respondent's Odor Mitigation webpage via hyperlink, including a brief narrative
27 description of the materials.

28 **Rule 1150 Landfill Excavation**

- 1 41. Respondent shall submit, by January 30, 2024, a complete plan application for a Rule
2 1150 Landfill Excavation Plan. The submittal shall be accompanied with a complete Title
3 V Revision application and shall be submitted with an expedited processing request and
4 associated required fees, forms, and information. A generic Rule 1150 plan application
5 and Title V Revision application shall include the following:
- 6 a. A signed and completed Form 400-A.
 - 7 b. A signed and completed Form 400-CEQA.
 - 8 c. Reason for excavation.
 - 9 d. A site summary indicating the site history.
 - 10 e. A list of materials buried or suspected materials buried in the site based on
11 available records.
 - 12 f. Results of any boring tests done to characterize the disposal site.
 - 13 g. Results of recent landfill gas analysis or soil vapor phase analysis including the
14 concentrations of methane, sulfur compounds, and speciated non-methane
15 hydrocarbons.
 - 16 h. A plot plan indicating the location of the excavation, staging areas, vehicle
17 route(s), vehicle cleaning area, and any nearby buildings, roadways, or other site
18 identifying features, and including any schools, residential area or other sensitive
19 receptors such as hospitals or locations where children or elderly people live or
20 work up to 2,500 feet away.
 - 21 i. Operating schedule for excavation and removal (hours/day, days/week,
22 weeks/year, or equivalent).
 - 23 j. Scheduled excavation starting and completion dates, and number of working days
24 required for the excavation.
 - 25 k. Description of how the excavation will be conducted, including excavation
26 equipment and vehicles hauling the excavated material.
 - 27 l. Description of mitigation measures for dust, odors, and hydrocarbons.
- 28

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

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

- 20 a. The South Coast AQMD shall be notified at least two (2) days prior to each
- 21 excavation commencement and within five (5) days after its completion. The
- 22 notification shall be made by email [Christina Ojeda, Air Quality Inspector,
- 23 (cojeda@aqmd.gov); Gerardo Vergara, Air Quality Inspector,
- 24 (gvergara@aqmd.gov); and Rule1150notifications@aqmd.gov]. The subject line of
- 25 the email shall contain "Rule 1150 Notification." The body of the email shall
- 26 contain the following information:

- 27 i. Company Name and Company ID

- ii. Site Address
- iii. Notification Type (2 days prior or 5 days after)
- iv. Estimated Excavation Start Date and Completion Date
- v. A Map of the Facility with Excavation Location Indicated

- b. Excavation shall not be conducted between the hours of 6:00 p.m. and 6:00 a.m. or on weekends and legal holidays unless excavation is occurring to comply with Condition 24, or otherwise approved in writing by the South Coast AQMD.
- c. Excavation shall not be conducted on days when South Coast AQMD forecasts first, second, or third stage episodes for area number 13 or when South Coast AQMD requires companies in area number 13 to implement their first, second or third stage episode plans. Episode forecasts for the following day can be obtained by calling (800) 288-7664.
- d. During excavation, continuous monitoring and recording of the wind speed and directions shall be conducted at an appropriate site or, through the meteorological station if present at the site.
- e. Excavation shall not be conducted, except in the Reaction Area, when the wind speed is greater than 15 mph (averaged over 15 minutes) or the wind speed instantaneously exceeds 25 mph. If Respondent receives either any NOV for violation of Section 41700 / Rule 402 or any complaints for dust, Respondent shall stop excavation in the Reaction Area during such wind conditions.
- f. During excavation, all working excavation areas, excavated material and unpaved roadways shall be watered down until the surface is moist and then maintained in a moist condition to minimize dust and emissions without creating a safety hazard condition.
- g. VOC contaminated soil (as defined by Rule 1166) shall not be spread onsite or offsite, nor stockpiled, if it results in uncontrolled evaporation of VOC to the atmosphere. VOC contaminated soil shall not be used for landfill cover.

- 1 h. During excavation, monitoring for Total Organic Compounds as methane using an
2 Organic Vapor Analyzer (OVA) or other monitor approved by the South Coast
3 AQMD shall be conducted continuously at the working face of the excavation and
4 at the downwind property line or other approved locations. The maximum sustained
5 readings (greater than 15 seconds) shall be recorded every 15 minutes. The OVA
6 or other approved monitor shall be calibrated each day in accordance with
7 manufacturers' specifications.
- 8 i. If the OVA or other approved organic monitor shows a sustained reading (greater
9 than 15 seconds) of 2,000 ppmv Total Organic Compounds as methane or greater
10 at the working face of the excavation, the excavation shall cease and the area
11 generating the emissions shall immediately be completely covered with a minimum
12 of 6 inches of clean dirt, plastic sheet, or other South Coast AQMD approved cover.
13 Excavation shall not resume until the readings return to the pre-excavation level.
- 14 j. If the OVA or other approved organic monitor shows a sustained reading (greater
15 than 15 seconds) of 200 ppmv Total Organic Compounds as methane or greater
16 downwind from the site at the property line (or other approved locations), the
17 excavation shall cease and the area generating the emissions shall immediately be
18 completely covered with a minimum of 6 inches of clean dirt, plastic sheet, or other
19 South Coast AQMD approved cover. Excavation shall not resume until the readings
20 return to the pre-excavation level.
- 21 k. Excavated landfill material and refuse shall be immediately relocated for burial
22 onsite or immediately deposited into trucks/trailers for off-site transport and
23 completely covered with automated vinyl tarps, with such covers tied down, except
24 for during active loading/unloading of refuse.
- 25 l. When refuse loading is completed and during transport, no material shall extend
26 above the sides or rear of the truck or trailer which will haul the excavated material.
27 Excavated material shall be completely covered with automated vinyl tarps, with
28 the cover tied down.

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

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

14 **Other Conditions**

- 15 43. To ensure that fresh trash odors remain controlled, Respondent shall maintain the
16 following fresh trash-related odor mitigation measures recommended by its landfill
17 operations expert from the Stipulated Order for Abatement in Case No. 6177-1 during
18 Unfavorable Wind Conditions, as defined in the Stipulated Order for Abatement in Case
19 No. 6177-1. Respondent shall maintain the following odor mitigation measures:
- 20 a. Use orchard fans, and tow-and-blow fans as needed, placed and spaced around the
21 working face in accordance with the recommendations of Chiquita's landfill
22 operations expert;
- 23 b. Use equipment equipped with odor neutralizer misting systems in various portions
24 of CCL to neutralize any fresh trash odors. This equipment shall include, but not be
25 limited to, fans and arm tower misters;
- 26 c. Identify and appropriately handle odorous loads at the scale and working face as
27 new waste loads enter CCL;
- 28 d. Haul odorous loads with proper sequencing and cover; and

1 e. Regularly train staff on all aspects of landfill operations, employee safety, and odor
2 control.

3 44. Respondent shall obtain, install, and maintain an on-site landfill meteorological station to
4 measure wind speed and direction by October 31, 2023. The meteorological station shall
5 be installed at a location appropriate for determining wind speed and direction on the top
6 deck of the landfill in the Reaction Area (as defined in Condition 9(a)) on a 1-hour
7 average basis, with measurements recorded every 5 minutes. The station shall record and
8 preserve all available readings for three years and the readings shall be made available to
9 the South Coast AQMD upon request.

10 45. Respondent shall install, maintain in good working order, and operate 1,000 feet or more
11 of Semi-Permanent Vapor Odor Control in the Reaction Area (as defined in Condition 9(a))
12 within 14 days of the approval of this Order. Respondent shall operate the Semi-Permanent
13 Vapor Odor Control system immediately and continuously.

14 46. Respondent shall operate and maintain in good working order a landfill perimeter odor
15 control misting system on permanent fencing on the west and northwest of the property.

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

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

1 days of implementing such changes.

2 49. Equipment and operations at the Facility are subject to the jurisdiction and regulatory
3 requirements of multiple agencies, including but not limited to the District, CalRecycle,
4 Los Angeles County Public Works, Los Angeles County Department of Regional Planning,
5 and Los Angeles County Department of Public Health. The conditions in this Order shall
6 not in any way restrict or expand the scope of jurisdiction of any agency. If any agency that
7 shares jurisdiction over the Facility with the South Coast AQMD requires Respondent to
8 take any action that is inconsistent with this Order, Respondent shall immediately contact
9 the South Coast AQMD by email at [Kathryn Roberts, kroberts@aqmd.gov and Mary
10 Reichert, mreichert@aqmd.gov] and describe the inconsistent provisions, including
11 providing any written directive from any other agency which Respondent considers
12 inconsistent with one or more conditions in this Order. Respondent shall endeavor to
13 resolve the inconsistency with the Executive Officer, while adhering to the Condition(s) in
14 the Order. If the inconsistency is not resolved within 3 working days of the relevant agency,
15 Respondent shall immediately inform the South Coast AQMD and shall petition for a
16 status/modification hearing before the Hearing Board for further proceedings. At such
17 proceeding, only the provision in dispute shall be resolved by the Hearing Board while the
18 other conditions in this Order shall remain in full force and effect.

19 a. If Respondent notifies South Coast AQMD per Condition No. 49 above
20 that the inconsistency with one or more Condition and an order of another
21 agency cannot be resolved, compliance with the applicable Condition(s)
22 of this Order shall be waived until further Order of the Hearing Board.
23 Notwithstanding the above, in no instance shall compliance with
24 Condition No. 49 or Condition No. 49(a) be waived.

25 50. Respondent shall provide a workplan which lists the actions that Respondent plans to take
26 in order to address the subsurface reaction and return all aspects of the CCL to good and
27 compliant working order, including liquid/leachate seepage and discharges of pressurized
28 leachate, methane surface exceedances, fugitive emissions of landfill gas, well

1 temperature exceedances, and non-compliant composition of landfill gas. This workplan
2 shall include a timeline of the proposed work, and shall include both short-term and long-
3 term solutions planned to mitigate impacts to the surrounding communities and return the
4 facility into compliance. Respondent shall submit the complete workplan to South Coast
5 AQMD by March 13, 2024 (Baitong Chen, Air Quality Engineer, (bchen@agmd.gov);
6 Nathaniel Dickel, Senior Air Quality Engineer, (ndickel@agmd.gov), and Christina
7 Ojeda, Air Quality Inspector, (cojeda@agmd.gov). Respondent shall provide quarterly
8 updates on the workplan, by the 13th day of every third month, starting June 13, 2024,
9 specifying any updates to the plan or associated work timelines.

10 51. Respondent shall permit South Coast AQMD personnel to conduct all inspections deemed
11 necessary by South Coast AQMD Compliance staff, including, but not limited to,
12 collection of samples. If Respondent denies South Coast AQMD staff access to collect
13 sample(s) of any liquid observed onsite and exposed to ambient air, such liquid shall be
14 deemed to be leachate for the purpose of enforcing this Order, any applicable South Coast
15 AQMD Rule, and/or any permit condition applicable to Respondent. Notwithstanding the
16 preceding, Respondent may require all visitors, including South Coast AQMD staff, to
17 don appropriate personal protective equipment prior to visiting the Reaction Area. Upon
18 request by South Coast AQMD, Respondent shall, within 24 hours, provide a list of all
19 personal protective equipment that Respondent deems appropriate for visiting the
20 Reaction Area. Respondent shall not prohibit South Coast AQMD staff from access to
21 Respondent's facility, including the Reaction Area, if South Coast AQMD staff don all
22 personal protective equipment included on a list issued by Respondent pursuant to this
23 condition.

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

1 53. Respondent shall return for a status hearing on April 24 and 25, 2024, or as soon thereafter as
2 the Hearing Board can schedule the status hearing, to report on the status of implementation
3 of this Stipulated Order, and consider modification or dissolution of this Order, as
4 appropriate.

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

10 55. The Hearing Board shall retain jurisdiction over this matter until September 6, 2024 and at
11 that time this Order shall no longer be of any force or effect, unless this Order is amended,
12 modified, or dissolved before then.

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

19
20
21 BOARD MEMBER:


Mohan Balagopalan

22
23
24 DATED:

2/1/24