



June 8, 2023

Tony Bonanno
Shafter-Wasco Composting Facility
3700 M St Ste 500
Bakersfield, CA 93301

RE: Notice of Final Action - Authority to Construct
Facility Number: S-9813
Project Number: S-1211716

Dear Mr. Bonanno:

The Air Pollution Control Officer has issued the Authority to Construct permits to Shafter-Wasco Composting Facility for a new co-composting facility, at 17621 Scofield Ave, Shafter. Enclosed are the Authority to Construct permits and a copy of the notice of final action that has been posted on the District's website (www.valleyair.org).

Notice of the District's preliminary decision to issue the Authority to Construct permits was posted on April 14, 2023. The District's analysis of the proposal was also sent to CARB on April 14, 2023. No comments were received following the District's preliminary decision on this project.

Also enclosed is an invoice for the engineering evaluation fees pursuant to District Rule 3010. Please remit the amount owed, along with a copy of the attached invoice, within 60 days.

Samir Sheikh

Executive Director/Air Pollution Control Officer

Northern Region
4800 Enterprise Way
Modesto, CA 95356-8718
Tel: (209) 557-6400 FAX: (209) 557-6475

Central Region (Main Office)
1990 E. Gettysburg Avenue
Fresno, CA 93726-0244
Tel: (559) 230-6000 FAX: (559) 230-6061

Southern Region
34946 Flyover Court
Bakersfield, CA 93308-9725
Tel: (661) 392-5500 FAX: (661) 392-5585

Mr. Tony Bonanno
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Thank you for your cooperation in this matter. If you have any questions, please contact Mr. Nick Peirce at (209) 557-6400.

Sincerely,

A handwritten signature in blue ink, appearing to read "Nick Peirce", is written over the printed name of Brian Clements.

Brian Clements
Director of Permit Services

BC:jy

Enclosures

cc: Courtney Graham, CARB (w/ enclosure) via email



AUTHORITY TO CONSTRUCT

PERMIT NO: S-9813-1-0

ISSUANCE DATE: 06/08/2023

LEGAL OWNER OR OPERATOR: SHAFTER-WASCO COMPOSTING FACILITY

MAILING ADDRESS: 2700 M ST STE 500
BAKERSFIELD, CA 93301

LOCATION: 17621 SCOFIELD AVE
SHAFTER, CA

EQUIPMENT DESCRIPTION:

ORGANIC WASTE MATERIALS AND MANURE RECEIVING, STORAGE, AND MIXING OPERATION

CONDITIONS

1. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
2. No air contaminant shall be released into the atmosphere which causes a public nuisance. This prohibition shall not apply to odors emanating from composting operations, which are not under the jurisdiction of the San Joaquin Valley Air Pollution Control District. [District Rule 4102 and CH&SC 41705(a)(2)]
3. Prior to operating equipment under Authorities to Construct S-9183-1-0 and '-4-0, the permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 26,400 lb, 2nd quarter - 26,400 lb, 3rd quarter - 26,400 lb, and fourth quarter - 26,400 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 8/15/19) for the ERC certificates specified below. [District Rule 2201]
4. ERC Certificate Numbers S-5287-1, S-5289-1, S-5290-1, S-5293-1, S-5304-1, S-5308-1, C-1553-1, C-1554-1, C-1555-1, and C-1556-1 (or certificates split from these certificates) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this Authority to Construct. [District Rule 2201]
5. Within 48 hours of the receipt of green material on site, the operator shall either (1) Remove the green material from the facility; or (2) Place the green material in an active-phase composting windrow and start active phase composting. Wood material, as defined below, is not subject to the 48 hour limitation. [District Rule 2201]

CONDITIONS CONTINUE ON NEXT PAGE

YOU MUST NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (661) 392-5500 WHEN CONSTRUCTION IS COMPLETED AND PRIOR TO OPERATING THE EQUIPMENT OR MODIFICATIONS AUTHORIZED BY THIS AUTHORITY TO CONSTRUCT. This is NOT a PERMIT TO OPERATE. Approval or denial of a PERMIT TO OPERATE will be made after an inspection to verify that the equipment has been constructed in accordance with the approved plans, specifications and conditions of this Authority to Construct, and to determine if the equipment can be operated in compliance with all Rules and Regulations of the San Joaquin Valley Unified Air Pollution Control District. Unless construction has commenced pursuant to Rule 2050, this Authority to Construct shall expire and application shall be cancelled two years from the date of issuance. The applicant is responsible for complying with all laws, ordinances and regulations of all other governmental agencies which may pertain to the above equipment.

Samir Sheikh, Executive Director / APCO

Brian Clements, Director of Permit Services

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6. Within 48 hours of the receipt of food material on site, the operator shall either (1) Remove the food material from the facility; or (2) Preprocess the material for use in the composting system. [District Rule 2201]
7. Within 48 hours of the receipt of animal manure on site, the operator shall either (1) Remove the animal manure from the facility; or (2) Preprocess the animal manure for use in the composting system. [District Rule 2201]
8. Green material is defined as vegetative material generated from gardening, agriculture, or landscaping activities including, but not limited to, a mixture of grass clippings, leaves, tree and shrub trimmings, and plant remains. Leaves, tree and shrub trimmings, and plant remains that must be processed by a grinder prior to composting are considered to be the woody material portion of trees (Wood material as defined in this permit) and are not considered to be green materials. [District Rule 2201]
9. Wood material is defined as untreated lumber and the woody-material portion of mixed demolition wastes and mixed-construction wastes. Wood material also includes overs, and the woody material portion of trees. Wood material or wood material chips to which other organic material has been added are not considered to be wood material. [District Rule 2201]
10. Food material is defined as food scraps collected from the food processing industry, food service industry, grocery stores, or residential food scrap collection. Food material also includes food material that is chipped or ground. [District Rule 2201]
11. Animal manure is defined as non-human animal excretions and waste, including, but not limited to, solids and urine from cows, cattle, or swine. [District Rule 2201]
12. The combined quantity of green material, food material, animal manure, and wood material received shall not exceed either of the following limits: 400 wet-tons in any one day, 100,000 wet-tons in any rolling 12-month period. [District Rule 2201]
13. VOC emissions from the storage and processing of the green material, food material, wood material, and animal manure shall not exceed 0.2 lb-VOC/wet-ton of material stored and processed. [District Rule 2201]
14. Ammonia (NH₃) emissions from the storage and processing of the green material, food material, wood material, and animal manure shall not exceed 0.02 lb-NH₃/wet-ton of material stored and processed. [District Rule 2201]
15. PM₁₀ emissions from the receiving, sorting, storage, and mixing of materials shall not exceed 0.00132 lb-PM₁₀/wet-ton of material received and processed. [District Rule 2201]
16. The operator shall perform one of the following to organic material within 48 days of receipt at the facility to satisfy the stockpile requirements: (a) Remove the organic material from the facility; (b) Place the organic material in the active-phase composting windrow and start active phase composting; (c) Cover the organic material with a waterproof cover that have at least a six-feet overlap of adjacent sheets and be securely anchored. [District Rule 2201]
17. A daily operations log shall be maintained and shall include the following: (a) The date, type, and weight (in wet tons) of each organic material received; (b) The date each stockpile was initially formed; (c) The date and action taken on each stockpile to satisfy the time for transferring materials from the stockpiles to active composting; (d) Total quantity and type of each organic material stored for composting (in wet tons); and (e) Total quantity and type of each organic material mixed for composing (in wet tons). [District Rule 2201]
18. A rolling 12-month log shall be maintained of the total wet-tons of each material received by type. The records shall be updated at least monthly. [District Rule 2201]
19. All bulk material transport vehicles shall limit Visible Dust Emissions to 20% opacity by either limiting vehicular speed, maintaining sufficient freeboard on the load, applying water to the top of the load, or covering the load with a tarp or other suitable cover. [District Rules 8011 and 8031]
20. An owner/operator shall prevent or cleanup any carryout or trackout in accordance with the requirements of District Rule 8041, Section 5.0. [District Rules 8011 and 8041]

21. On any unpaved road segment with 26 or more annual average daily vehicle trips (AADT), the owner/operator shall limit visible dust emissions (VDE) to 20% opacity and comply with the requirements of a stabilized unpaved road by application and/or reapplication/maintenance of at least one of the following control measures: (1) Watering; (2) Uniform layer of washed gravel; (3) Chemical/organic dust stabilizers/suppressants; (4) Roadmix; (5) Paving; or (6) Any other Any other method that can be demonstrated to the satisfaction of the APCO that effectively limits VDE to 20% opacity and meets the conditions of a stabilized unpaved road. [District Rules 8011 and 8061]
22. For unpaved vehicle or equipment traffic areas that have 50 or more annual average daily trips (AADT), or 150 or more vehicle daily trips (VDT) or 25 or more VDT with vehicles having 3 axles or more, the permittee shall apply water, washed gravel, road mix, chemical/ organic dust stabilizers/suppressants, vegetative materials, or other District-approved control measure as required to limit Visible Dust Emissions to 20% opacity and comply with the requirements for a stabilized unpaved road as defined in District Rule 8011. [District Rules 8011 and 8071]
23. Whenever any portion of the site becomes inactive, the permittee shall restrict access and periodically stabilize any disturbed surface to comply with the conditions for a stabilized surface as defined in District Rule 8011. [District Rules 8011 and 8971]
24. All records shall be maintained and retained on-site for a period of at least 5 years and shall be made available for District inspection upon request. [District Rules 1070 and 2201]



AUTHORITY TO CONSTRUCT

PERMIT NO: S-9813-3-0

ISSUANCE DATE: 06/08/2023

LEGAL OWNER OR OPERATOR: SHAFTER-WASCO COMPOSTING FACILITY

MAILING ADDRESS: 2700 M ST STE 500
BAKERSFIELD, CA 93301

LOCATION: 17621 SCOFIELD AVE
SHAFTER, CA

EQUIPMENT DESCRIPTION:

FEEDSTOCK SCREENING OPERATION WITH AN ELECTRIC-POWERED SCREENER

CONDITIONS

1. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
2. No air contaminant shall be released into the atmosphere which causes a public nuisance. This prohibition shall not apply to odors emanating from composting operations, which are not under the jurisdiction of the San Joaquin Valley Air Pollution Control District. [District Rule 4102 and CH&SC 41705(a)(2)]
3. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere [District Rule 2201]
4. Feedstock materials are green material, wood material, food material, animal manure or any mixture of these materials. [District Rule 2201]
5. Green material is defined as vegetative material generated from gardening, agriculture, or landscaping activities including, but not limited to, a mixture of grass clippings, leaves, tree and shrub trimmings, and plant remains. [District Rule 2201]
6. Wood material is defined as untreated lumber and the woody-material portion of mixed demolition wastes and mixed-construction wastes. Wood material also includes overs, and the woody material portion of trees. Wood material or wood material chips to which other organic material has been added are not considered to be wood material. [District Rule 2201]

CONDITIONS CONTINUE ON NEXT PAGE

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Samir Sheikh, Executive Director / APCO

Brian Clements, Director of Permit Services

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7. Food material is defined as food scraps collected from the food processing industry, food service industry, grocery stores, or residential food scrap collection. Food material also includes food material that is chipped or ground. [District Rule 2201]
8. Animal manure is defined as non-human animal excretions and waste, including, but not limited to, solids and urine from cows, cattle, or swine. [District Rule 2201]
9. The combined quantity of green material, food material, wood material, and animal manure processed by the feedstock screening operation shall not exceed 400 wet-tons in any one day and 100,000 wet tons in any rolling 12-month period. [District Rule 2201]
10. PM10 emissions from the feedstock screening operation shall not exceed 0.003 lb-PM10/wet-ton of material screened. [District Rule 2201]
11. Water sprays shall be used as needed to ensure visible emissions from the feedstock screening operation do not exceed 5% opacity for a period aggregating more than three (3) minutes in any one (1) hour.. [District Rule 2201]
12. Permittee shall keep a record of the daily and rolling 12-month combined quantity of green material, food material, wood material, and animal manure processed by the feedstock screening operation. . [District Rule 2201]
13. All bulk material transport vehicles shall limit Visible Dust Emissions to 20% opacity by either limiting vehicular speed, maintaining sufficient freeboard on the load, applying water to the top of the load, or covering the load with a tarp or other suitable cover. [District Rules 8011 and 8031]
14. An owner/operator shall prevent or cleanup any carryout or trackout in accordance with the requirements of District Rule 8041, Section 5.0. [District Rules 8011 and 8041]
15. On any unpaved road segment with 26 or more annual average daily vehicle trips (AADT), the owner/operator shall limit visible dust emissions (VDE) to 20% opacity and comply with the requirements of a stabilized unpaved road by application and/or reapplication/maintenance of at least one of the following control measures: (1) Watering; (2) Uniform layer of washed gravel; (3) Chemical/organic dust stabilizers/suppressants; (4) Roadmix; (5) Paving; or (6) Any other Any other method that can be demonstrated to the satisfaction of the APCO that effectively limits VDE to 20% opacity and meets the conditions of a stabilized unpaved road. [District Rules 8011 and 8061]
16. For unpaved vehicle or equipment traffic areas that have 50 or more annual average daily trips (AADT), or 150 or more vehicle daily trips (VDT) or 25 or more VDT with vehicles having 3 axles or more, the permittee shall apply water, washed gravel, road mix, chemical/ organic dust stabilizers/suppressants, vegetative materials, or other District-approved control measure as required to limit Visible Dust Emissions to 20% opacity and comply with the requirements for a stabilized unpaved road as defined in District Rule 8011. [District Rules 8011 and 8071]
17. Whenever any portion of the site becomes inactive, the permittee shall restrict access and periodically stabilize any disturbed surface to comply with the conditions for a stabilized surface as defined in District Rule 8011. [District Rules 8011 and 8971]
18. All records shall be maintained and retained on-site for a period of at least 5 years and shall be made available for District inspection upon request. [District Rules 1070 and 2201]

AUTHORITY TO CONSTRUCT

PERMIT NO: S-9813-4-0

ISSUANCE DATE: 06/08/2023

LEGAL OWNER OR OPERATOR: SHAFTER-WASCO COMPOSTING FACILITY

MAILING ADDRESS: 2700 M ST STE 500
BAKERSFIELD, CA 93301

LOCATION: 17621 SCOFIELD AVE
SHAFTER, CA

EQUIPMENT DESCRIPTION:

CO-COMPOSTING OPERATION (GREEN WASTE, FOOD WASTE, AND MANURE) UTILIZING POSITIVE AERATED STATIC PILES WITH GORE COVERS FOR THE ACTIVE AND CURING COMPOSTING PHASES

CONDITIONS

1. Within 12 months from startup of the co-composting operation, the permittee shall either submit an application to comply with Rule 2520 (Federally Mandated Operating Permits) or shall comply with District Rule 2530 (Federally Enforceable Potential to Emit). If the facility chooses the option to comply with District Rule 2530, the facility shall notify the District by submitting a request to include the District Rule 2530 conditions on their permits to operate prior to the 12-month deadline. [District Rule 2520]
2. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
3. No air contaminant shall be released into the atmosphere which causes a public nuisance. This prohibition shall not apply to odors emanating from composting operations, which are not under the jurisdiction of the San Joaquin Valley Air Pollution Control District. [District Rule 4102 and CH&SC 41705(a)(2)]
4. Prior to operating equipment under Authorities to Construct S-9183-1-0 and -4-0, the permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 26,400 lb, 2nd quarter - 26,400 lb, 3rd quarter - 26,400 lb, and fourth quarter - 26,400 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 8/15/19) for the ERC specified below. [District Rule 2201]

CONDITIONS CONTINUE ON NEXT PAGE

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Samir Sheikh, Executive Director / APCO



Brian Clements, Director of Permit Services

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5. ERC Certificate Numbers S-5287-1, S-5289-1, S-5290-1, S-5293-1, S-5304-1, S-5308-1, C-1553-1, C-1554-1, C-1555-1, and C-1556-1 (or certificates split from these certificates) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this Authority to Construct. [District Rule 2201]
6. Feedstock materials are green material, wood material, food material, animal manure or any mixture of these materials. [District Rule 2201]
7. Green material is defined as vegetative material generated from gardening, agriculture, or landscaping activities including, but not limited to, a mixture of grass clippings, leaves, tree and shrub trimmings, and plant remains. Leaves, tree and shrub trimmings, and plant remains that must be processed by a grinder prior to composting are considered to be the woody material portion of trees (Wood material as defined in this permit) and are not considered to be green materials. [District Rule 2201]
8. Wood material is defined as untreated lumber and the woody-material portion of mixed demolition wastes and mixed-construction wastes. Wood material also includes overs, and the woody material portion of trees. Wood material or wood material chips to which other organic material has been added are not considered to be wood material. [District Rule 2201]
9. Food material is defined as food scraps collected from the food processing industry, food service industry, grocery stores, or residential food scrap collection. Food material also includes food material that is chipped or ground. [District Rule 2201]
10. Animal manure is defined as non-human animal excretions and waste, including, but not limited to, dried solids and urine from cows, cattle, or swine. [District Rule 2201]
11. All active-phase and curing-phase composting shall take place in concrete bunkers with engineered, under-pile aeration. [District Rules 2201 and 4565]
12. Active phase and curing phase composting shall be performed utilizing Gore covers over positively-aerated static piles (+ASPs), with a VOC and NH₃ control efficiency of at least 90% by weight, each. To demonstrate compliance with the control efficiency requirement for VOC, the following formula may be used: % VOC Control = $(3.04 \text{ lb-VOC/wet-ton} - \text{Measured VOC in lb-VOC/wet ton}) / (3.04 \text{ lb-VOC/wet ton}) \times 100\%$. To demonstrate compliance for NH₃, the following formula may be used: % NH₃ Control = $(1.425 \text{ lb-NH}_3/\text{wet-ton} - \text{Measured NH}_3 \text{ in lb-NH}_3/\text{wet ton}) / (1.425 \text{ lb-NH}_3/\text{wet ton}) \times 100\%$. [District Rules 2201 and 4565]
13. The Gore Cover System shall be operated according to manufacturer's recommendations. [District Rules 2201 and 4565]
14. No more than 30% (by weight) animal manure may be introduced into active phase composting on an annual basis. [District Rules 2201 and 4565]
15. The total combined quantity of green, wood, and food materials and manure added to the active phase compost piles shall not exceed 400 tons in any one day. [District Rules 2201 and 4565]
16. The total combined quantity of green, wood, and food materials and manure co-composted shall not exceed 100,000 wet-tons in any rolling 12-month period. [District Rules 2201 and 4565]
17. PM₁₀ emissions from the transfer of material related to the co-composting operation shall not exceed 0.00066 lb-PM₁₀/wet-ton. [District Rule 2201]
18. VOC emissions from the active and curing phase of co-composting served by the Gore cover shall not exceed 0.304 lb-VOC/wet-ton. [District Rule 2201]
19. Ammonia emissions from the active and curing phase of co-composting served by the Gore cover shall not exceed 0.1425 lb-NH₃/wet-ton. [District Rule 2201]
20. Initial source testing for VOC and NH₃ emissions from the active and curing phase of composting shall be performed no later than 270 days after composting commences in the new +ASP bunkers used in the active phase (i.e. after the first mixing of organic materials for introduction into active phase compost pile). Source testing will not be required during compost pile breakdowns. [District Rules 2201 and 4565]

CONDITIONS CONTINUE ON NEXT PAGE

21. Periodic source testing for VOC emissions from the active and curing phase of composting shall be performed at least once every 27 months after the initial testing is completed. [District Rules 2201 and 4565]
22. Source testing for the controlled VOC and NH₃ emissions shall be performed above the cover for both active phase (Phase I) and curing phase (Phase II) piles. At least two active phase piles of different ages shall be tested. One of the active phase piles selected for testing shall be representative of the day when the expected maximum VOC emission rate occurs (as indicated by temperature or other process data). At least one curing phase pile shall be tested. The age of the curing phase pile tested shall be representative of the day when the expected maximum VOC emission rate occurs. Additional piles or days may be included to ensure emission measurements are representative for the compost cycle. [District Rules 2201 and 4565]
23. All source testing shall take place under conditions representative of normal source operation, and, to the extent practicable, the emission measurements shall be representative of the emissions that occur over the active and curing phase (Phase I and Phase II) cycle. [District Rules 2201 and 4565]
24. District approved independent testing lab(s) shall perform the source testing. [District Rules 2201 and 4565]
25. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified at least 30 days prior to any compliance source test, and a source test plan must be submitted for approval at least 15 days prior to testing. [District Rule 1081]
26. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081]
27. The source test summary shall include the following for VOC and NH₃ emissions: (1) The controlled emission rates (lb/wet-ton) for the active phase (Phase I) pile; (2) The controlled emission rates (lb/wet-ton) for the curing phase (Phase II) pile; and (3) The total controlled emission rates (lb/wet-ton) for the active and curing phases combined. [District Rules 2201 and 4565]
28. At least quarterly, the operator shall demonstrate that the organic materials completing the active phase meet one of the following stability criteria: (1) The organic material respiration rate is no more than 20 milligrams of oxygen consumed per gram of volatile solids per day as measured by direct respirometry using the TMECC Method 05-08-A - SOUR: Specific Oxygen Uptake Rate; or (2) The organic material emits no more than 7 mg CO₂-C per gram of organic material per day, as measured using the TMECC Method 05-08-B - Carbon Dioxide Evolution Rate; or (3) The organic material has a Solvita® Maturity Index of 5 or greater, as measured using the TMECC Method 05-08-E - Solvita® Maturity Test. [District Rules 2201 and 4565]
29. At least quarterly, the operator shall demonstrate that the organic materials completing the curing phase meet one of the following stability criteria: (1) The organic material respiration rate is no more than 10 milligrams of oxygen consumed per gram of volatile solids per day as measured by direct respirometry using the TMECC Method 05-08-A - SOUR: Specific Oxygen Uptake Rate; or (2) The organic material emits no more than 4 mg CO₂-C per gram of organic material per day, as measured using the TMECC Method 05-08-B - Carbon Dioxide Evolution Rate; or (3) The organic material has a Solvita® Maturity Index of 7 or greater, as measured using the TMECC Method 05-08-E - Solvita® Maturity Test [District Rules 2201 and 4565]
30. The operator shall keep a record of the compost maturity test(s) conducted on active and curing phase piles consisting of (1) the pile ID or lot number; (2) the date the test was conducted; (3) the name of the test conducted; (4) the result of the compost maturity test. [District Rules 2201 and 4565]
31. The operator shall maintain a minimum oxygen concentration of at least five percent, by volume, in the free air space of every active and curing compost pile. [District Rule 4565]
32. The operator shall manage every active pile such that the initial carbon to nitrogen ratio of every pile is at least twenty to one. In order demonstrate compliance with the initial carbon to nitrogen ratio, the operator shall measure the carbon to nitrogen when material is prepared for active composting on each day that materials are mixed using TMECC Method 05.02-A (Carbon to Nitrogen Ratio). The samples tested must be representative of the initial composition of the active compost pile. [District Rule 4565]
33. If a tested parameter is found to be outside the applicable limits of the chosen facility mitigation measures, the operator must take remedial action within 24 hours of the discovery to bring pile characteristics within the specified limits. [District Rule 4565]

CONDITIONS CONTINUE ON NEXT PAGE

34. After completion of the active phase (Phase I) of composting, when transferring composting materials from the active phase bunker to a curing phase (Phase II) bunker (pile breakdown), the composting material shall only be uncovered to the extent necessary to access the face of the pile and avoid damage to the cover. The transfer of material from the active phase bunker to the curing phase bunker from the point of uncovering the active phase material to the point of covering the curing phase material shall be completed within 5 hours of first uncovering the active phase material. [District Rule 2201]
35. The operator shall conduct maintenance inspections of the cover each time a cover is placed on a compost pile. Any tears or other abnormalities in the cover that could compromise the ability of the cover to act as an air pollution control device shall be repaired immediately, or the cover shall be replaced. [District Rule 4565]
36. The operator shall conduct an inspection of the blower and air distribution system in each bunker prior to building a compost pile in that bunker. Any abnormalities that adversely affect the ability of the air distribution system to provide air to the compost pile shall be repaired prior to constructing the pile. [District Rule 4565]
37. Within 60 days after completing the initial source test, the operator shall submit an emissions monitoring plan for the covered compost piles to the District for approval and for incorporation into the permit. The plan shall include, but is not limited to: (1) the use of portable analyzer(s) for detecting VOC and ammonia leaks from the active and curing phase covered compost piles; (2) portable analyzer(s) specifications, operation, and calibration; (3) locations where VOC and NH₃ emissions will be sampled and the frequency of monitoring with the portable analyzer(s), (4) a protocol to establish the background VOC and NH₃ levels, (5) a protocol to establish the correlation between the portable analyzer measurements and the source test results, if possible; or (6) if no correlation between portable analyzer measurements and source test results for VOC and NH₃ can be made, the operator shall provide an explanation and propose an alternative form of monitoring; and (7) a plan of action for preventing and repairing leaks. [District Rules 2201 and 4565]
38. The portable analyzer(s) shall be calibrated, maintained, and operated in accordance with the manufacturer's specifications and recommendations. [District Rules 2201 and 4565]
39. The operator shall measure the concentrations of VOC and NH₃ emissions from the covered piles with a portable analyzer during the initial source test (to establish a correlation between the controlled VOC and NH₃ emission rates and the portable analyzer measurements, if possible) and at least once every month thereafter according to the approved emissions monitoring plan. [District Rules 2201 and 4565]
40. If either the VOC or NH₃ concentrations, as measured by the portable analyzer(s), exceed the allowable emission limits, the operator shall notify the District within the 24 hours and submit a plan of action to return the emissions to their normal levels. If the deviations are the result of a qualifying breakdown condition pursuant to Rule 1100, the operator may fully comply with Rule 1100 in lieu of the performing the notification requirements of this condition. [District Rules 2201 and 4565]
41. The operator shall keep a record of all VOC and NH₃ emissions monitoring conducted with the portable analyzer(s). The record shall include (1) The portable analyzer(s) used, including the date last calibrated and the concentrations of the calibration gases used; (2) The date and time the monitoring was conducted; (3) The locations of the measurements; (4) The VOC and NH₃ concentrations measured, (5) Corrective action taken upon discovery of a leak; (6) Date and time the leak was repaired as evidenced by a re-check with a portable analyzer(s). [District Rules 2201 and 4565]
42. The Gore cover on the active and curing phase composting piles shall be sufficiently anchored around the perimeter to prevent leaks of VOC and ammonia vapors. A leak shall be defined according to the approved emissions monitoring plan. [District Rules 2201 and 4565]
43. The operator shall maintain aerobic conditions in active phase of composting at all times. Compliance with this requirement may be demonstrated by computer records of data obtained in the controlling software that demonstrate that the blowers are operating and pushing air in a positive direction into the composting bunkers in total duration for a minimum 100 minutes of operating time in a 24-hour period each day of active phase composting. [District Rules 2201 and 4565]

44. For materials that will be composted, the operator shall maintain daily records in compliance with CalRecycle reporting requirements of (1) the date when the material was received; (2) the type of material received; (3) the amount in tons received; and (4) the date when this material was moved into an active-phase composting pile and covered. [District Rules 2201 and 4565]
45. The operator shall keep records of oxygen content test results for active and curing compost piles and carbon to nitrogen ratio test results for material prepared for active composting. [District Rule 4565]
46. The operator shall keep a record of (1) the date each compost cover and blower are inspected; (2) the cover and blower ID number; (3) the condition of the cover and blower; and (4) a description of the repairs made, if any. [District Rules 2201 and 4565]
47. Each day that green, wood, and food materials and animal manure are introduced into active phase composting, the operator shall record (1) The combined total wet-tons of green, wood, and food materials and manure introduced into active phase composting that day. [District Rules 2201 and 4565]
48. The operator shall record the cumulative wet-tons of green, wood, and food materials and manure is introduced into active phase composting in any rolling 12-month period. [District Rules 2201 and 4565]
49. The operator shall keep a record of the wet-tons of compost material introduced into curing phase and finished phase that day and the cumulative wet-tons of compost material introduced into the curing phase and finished phase in any rolling 12-month period. [District Rules 2201 and 4565]
50. All bulk material transport vehicles shall limit Visible Dust Emissions to 20% opacity by either limiting vehicular speed, maintaining sufficient freeboard on the load, applying water to the top of the load, or covering the load with a tarp or other suitable cover. [District Rules 8011 and 8031]
51. An owner/operator shall prevent or cleanup any carryout or trackout in accordance with the requirements of District Rule 8041, Section 5.0. [District Rules 8011 and 8041]
52. On any unpaved road segment with 26 or more annual average daily vehicle trips (AADT), the owner/operator shall limit visible dust emissions (VDE) to 20% opacity and comply with the requirements of a stabilized unpaved road by application and/or reapplication/maintenance of at least one of the following control measures: (1) Watering; (2) Uniform layer of washed gravel; (3) Chemical/organic dust stabilizers/suppressants; (4) Roadmix; (5) Paving; or (6) Any other Any other method that can be demonstrated to the satisfaction of the APCO that effectively limits VDE to 20% opacity and meets the conditions of a stabilized unpaved road. [District Rules 8011 and 8061]
53. For unpaved vehicle or equipment traffic areas that have 50 or more annual average daily trips (AADT), or 150 or more vehicle daily trips (VDT) or 25 or more VDT with vehicles having 3 axles or more, the permittee shall apply water, washed gravel, road mix, chemical/ organic dust stabilizers/suppressants, vegetative materials, or other District-approved control measure as required to limit Visible Dust Emissions to 20% opacity and comply with the requirements for a stabilized unpaved road as defined in District Rule 8011. [District Rules 8011 and 8071]
54. Whenever any portion of the site becomes inactive, the permittee shall restrict access and periodically stabilize any disturbed surface to comply with the conditions for a stabilized surface as defined in District Rule 8011. [District Rules 8011 and 8971]
55. All records shall be maintained and retained on-site for a period of at least 5 years and shall be made available for District inspection upon request. [District Rules 2201 and 4565]