

NOV 29 2018

Helia van der Vis  
Turning Leaf Organics  
25948 Road 92  
Tulare, CA 93274

**RE: Notice of Final Action - Authority to Construct**  
**Facility Number: C-9196**  
**Project Number: C-1171609**

Dear Ms. van der Vis:

The Air Pollution Control Officer has issued the Authority to Construct permit to Turning Leaf Organics for the construction of a co-composting operation, at 25948 Road 92, Tulare. Enclosed are the Authority to Construct permit and a copy of the notice of final action to be published approximately three days from the date of this letter.

Notice of the District's preliminary decision to issue the Authority to Construct permit was published on October 25, 2018. The District's analysis of the proposal was also sent to CARB on October 19, 2018. 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

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**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

Ms. Helia van der Vis  
Page 2

Thank you for your cooperation in this matter. If you have any questions, please contact Mr. Errol Villegas at (559) 230-6000.

Sincerely,



Arnaud Marjollet  
Director of Permit Services

AM:jy

Enclosures

cc: Tung Le, CARB (w/enclosure) via email

## AUTHORITY TO CONSTRUCT

PERMIT NO: C-9196-1-0

ISSUANCE DATE: 11/26/2018

LEGAL OWNER OR OPERATOR: TURNING LEAF ORGANICS

MAILING ADDRESS: 25948 RD 92  
TULARE, CA 93274

LOCATION: 25948 ROAD 92  
TULARE, CA 93274

### EQUIPMENT DESCRIPTION:

CO-COMPOSTING OPERATION WITH SPRINKLER SYSTEM AND EITHER A WATERPROOF OR FINISHED COMPOST COVER SERVING THE ACTIVE AND CURING PHASES, MANURE AND GREEN WASTE RECEIVING, AND FINISHED COMPOST LOADOUT OPERATION

## CONDITIONS

1. Visible emissions shall not exceed 20% opacity for a period or periods aggregating more than three (3) minutes in any one (1) hour. [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. Only co-compost (a mixture of dairy manure and green waste) shall be composted. Dairy manure includes cow, bull, calf, and heifer excretions and waste, including, but not limited to, dried solids and urine from cows. Green waste includes vegetative material generated from gardening, agriculture, bulking agent, or landscaping activities including, but not limited to, a mixture of grass clippings, leaves, tree and shrub trimmings, and plant remains. [District Rule 2201]
4. The combined amount of dairy manure and green waste received shall not exceed 100 wet-tons/day. [District Rules 2201 and 4565]
5. The amount of co-compost shall not exceed 25,000 wet tons in any one day or any one calendar year. [District Rules 2201 and 4565]
6. The amount of dairy manure received shall not exceed 20,000 wet-tons/calendar year. [District Rules 2201 and 4565]
7. The amount of green waste received shall not exceed 5,000 wet-tons/calendar year. [District Rules 2201 and 4565]

### CONDITIONS CONTINUE ON NEXT PAGE

YOU **MUST** NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (559) 230-5950 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

  
for Arnaud Marjolle, Director of Permit Services

C-9196-1-0 Nov 26 2018 11:36AM -- YOSHIMUJ : Joint Inspection NOT Required



8. VOC emissions from composting shall not exceed either of the following limits: 163.1 lb/day or 19,580 lb/year. [District Rules 2201 and 4102]
9. Ammonia (NH<sub>3</sub>) emissions from composting shall not exceed either of the following limits: 268.5 lb/day or 32,230 lb/year. [District Rules 2201 and 4102]
10. PM<sub>10</sub> emissions from material transfer shall not exceed either of the following limits: 2.5 lb/day or 27 lb/year. [District Rules 2201 and 4102]
11. The permittee shall scrape or sweep, at least once a day all areas where compostable material is mixed, screened, or stored such that no compostable material greater than one inch (1") in height is visible in the areas scraped or swept immediately after scraping or sweeping, except for compostable material in process piles or storage piles. [District Rule 4565]
12. The permittee shall maintain a minimum oxygen concentration of at least five percent (5%), by volume, in the free air space of every active and curing compost pile. [District Rule 4565]
13. The permittee shall maintain the moisture content of every active and curing compost pile between 40% and 70%, by weight. [District Rule 4565]
14. The permittee shall manage every active pile such that the initial carbon to nitrogen ratio of every pile is at least twenty (20) to one (1). [District Rule 4565]
15. The permittee shall test the oxygen concentration of each active compost pile and each curing pile at least once each week using TMECC Method 05.08-C (In- Situ Oxygen Refresh Rate). [District Rule 4565]
16. The permittee shall maintain a record indicating the date and the tested oxygen concentration of each active compost pile. [District Rule 4565]
17. The permittee shall test the moisture content of each active compost pile at least once each week using TMECC Method 03.09. [District Rule 4565]
18. The permittee shall maintain a record indicating the date and the tested moisture content of each active compost pile. [District Rule 4565]
19. The carbon to nitrogen ratio test shall be performed when the material is prepared for active composting using test method TMECC Method 05.02-A (Carbon to Nitrogen Ratio). Testing shall be done each day that materials are mixed. Samples shall be representative of the initial composition of the active compost pile. [District Rule 4565]
20. If the tested parameters of the mitigation measures are found to be outside the applicable limits the permittee shall take corrective action, within 24 hours of discovery, to bring the pile characteristics to within the specified limits. [District Rule 4565]
21. The permittee shall maintain a daily record of the quantity (in tons/day) and type (i.e. green waste and animal manure) of each material received or generated onsite used in the co-composting operation. [District Rule 4565]
22. The permittee shall maintain a daily record indicating the date and areas where compostable materials are mixed, screened, or stored have been scraped or swept such that no compostable material is greater than one inch (1") in height is visible in the areas, except for compostable material process piles or storage piles. [District Rule 4565]
23. Permittee shall not stockpile manure for more than 18 hours prior to transferring the compost material to an active phase composting windrow. [District Rule 2201]
24. Permittee shall keep daily records of the amount of time the compost material is stockpiled prior to transferring to an active phase composting windrow. [District Rule 2201]
25. Each day a windrow is formed or turned, the operator shall record (1) the windrow ID or lot number; (2) the date the windrow was formed or turned and the waterproof cover or finished compost cover applied; (3) the wet tons of co-compost in the windrow. The wet tons may be calculated from the volume of co-compost used upon first forming a windrow multiplied by the co-compost density. [District Rules 2201 and 4565]
26. Permittee shall apply a waterproof cover or a finished compost cover to each windrow within 3 hours of initial windrow formation and within 3 hours after turning the windrow. [District Rules 2201 and 4565]

CONDITIONS CONTINUE ON NEXT PAGE

27. Permittee shall sprinkle water over the windrows, when forming or turning, to maintain adequate moisture content of the compost materials to prevent visible emissions in excess of 5% opacity. [District Rule 2201]
28. Permittee shall maintain a daily record of the quantity (in tons/day) and type (i.e. green waste and animal manure) of each material received or generated onsite used in the co-composting operation. [District Rule 2201]
29. Permittee shall keep a record of the total wet tons of dairy manure composted during the calendar year and shall update that record monthly. [District Rules 2201 and 4565]
30. Records and other supporting documentation shall be maintained as required to demonstrate compliance with the requirements of the rules under Regulation VIII only for those days that a control measure was implemented. Such records shall include the type of control measure(s) used, the location and extent of coverage, and the date, amount, and frequency of application of dust suppressant, manufacturer's dust suppressant product information sheet that identifies the name of the dust suppressant and application instructions. Records shall be kept for one year following project completion that results in the termination of all dust generating activities. [District Rule 8011]
31. An owner/operator shall prevent or cleanup any carryout or trackout in accordance with the requirements of District Rule 8041 Section 5.0, unless specifically exempted under Section 4.0 of Rule 8041 (8/19/04) or Rule 8011(8/19/04). [District Rules 8011 and 8041]
32. 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]
33. 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 operator shall implement at least one of following control measures to limit visible dust emissions (VDE) to 20% opacity and comply with the requirements for a stabilized unpaved road as defined in District Rule 8011: (1) Watering; (2) Uniform layer of washed gravel; (3) Chemical/organic dust stabilizers/suppressants; (4) Vegetative materials; (5) Paving; (6) Roadmix; or (7) 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 8071]
34. 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 8071]
35. 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 Rule 1070]