



Central Valley Regional Water Quality Control Board

6 November 2020

CERTIFIED MAIL
7018 1830 0001 0015 4748

Phyllis Faria
7559 Avenue 152
Tipton, CA 93272

CERTIFIED MAIL
7018 1830 0001 0015 4731

Kurt Fry
23004 Road 140
Tulare, CA 93274

CORRECTION OF ENROLLEE IDENTIFICATION NUMBER, GENERAL WASTE DISCHARGE REQUIREMENTS FOR COMPOSTING OPERATIONS WQ 2015-0121-DWQ, CAIN TRUCKING COMPOSTING FACILITY, TULARE COUNTY

A Notice of Applicability (NOA) was issued on 30 October 2020 to Cain Trucking for their composting facility for coverage under the *General Waste Discharge Requirements for Composting Operations Order WQ 2015-0121-DWQ*, adopted by the State Water Resources Control Board on 4 August 2015. The NOA incorrectly listed the enrollee identification number for your facility. The correct enrollee identification number is **2015-0121-DWQ-R5F017**. Please use this number in all future correspondence regarding this facility. A revised NOA is attached. We apologize for any inconvenience. If you have any questions, please contact Kristen Gomes at (559) 445-5108 or by email at kristen.gomes@waterboards.ca.gov.

Original Signed by:
SCOTT J. HATTON
Supervising Engineer

Enclosure: NOA

cc: Brianna St.Pierre Brianna.St.Pierre@waterboards.ca.gov;
Jessica Gocke jgocke@tularehhsa.org;
Alexandra Macedo mec@tularesalesyard.com;
Paul Barcello paul@caintrucking.com

Central Valley Regional Water Quality Control Board

6 November 2020

NOTICE OF APPLICABILITY

WATER QUALITY ORDER 2015-0121-DWQ GENERAL WASTE DISCHARGE REQUIREMENTS FOR COMPOSTING OPERATIONS CAIN TRUCKING COMPOSTING FACILITY TULARE COUNTY

In October 2017, Cain Trucking submitted a Notice of Intent (NOI) and Technical Report for the Cain Trucking Composting Facility (Facility). The Technical Report, NOI, and filing fee were submitted to obtain coverage under Water Quality 2015-0121-DWQ, General Waste Discharge Requirements for Composting Operations (hereinafter General Order) for composting operations at the above referenced site. However, at that time, the Central Valley Regional Water Quality Control Board (Central Valley Water Board) was unable to issue a *Notice of Applicability* (NOA) since Cain Trucking was still in the process of obtaining the necessary permits from Tulare County. The Technical Report was prepared by Macedo Engineering and was originally dated 26 October 2017. After Cain Trucking received the local operating permit from Tulare County on 25 March 2020, the Technical Report was subsequently revised to address Central Valley Water Board staff comments on 6 October 2020.

The [complete General Order](#) can be accessed at:

(http://www.waterboards.ca.gov/board_decisions/adopted_orders/water_quality/2015/wqo2015_0121_dwq.pdf)

This NOA was developed after the review of the NOI and Technical Report as described in the attached memorandum, which is a part of this NOA. Based on staff's review, the Facility can meet the conditions of the General Order and is hereby covered under General Order **2015-0121-DWQ-R5F017** as a **Tier II** composting operation. The Discharger must comply with all Tier II requirements of the General Order.

The filing fee for the Cain Trucking Composting Facility is based on Threat to Water Quality and Complexity rating of 3B. The Discharger shall submit the required annual fee (as specified in the annual billing issued by the State Water Resources Control Board) until the NOA is officially terminated.

To fully comply with this NOA, please familiarize yourself with the contents of the enclosed memorandum and all of the requirements of the General Order. The Discharger is responsible for implementing all operations in a manner that complies with the General Order. Any noncompliance with this General Order constitutes a violation of the Water Code and is grounds for enforcement action, and/or termination of enrollment under this General Order.

Conditions of this Composting General Order include but are not limited to:

1. **Ninety days prior to the start of construction**, submit engineering plans and technical specifications for review and approval for the expansion and liner installation for the stormwater basin, which meets the requirements of the General Order.
2. **By 4 August 2022**, the expansion and liner installation for the stormwater detention basin must be completed.
3. **By 4 August 2022**, the existing facility needs to be graded so that all surface runoff drains to the drainage conveyance system/stormwater detention basin.
4. Submit a post-construction certification report to the Central Valley Water Board within 60 days of completing all construction activities associated with all applicable containment and monitoring structures, as required for compliance with this General Order and the MRP.
5. Prior to any facility expansion, a technical report with design information will need to be submitted for approval by the Executive Officer of the Central Valley Water Board at least 90 days prior to new construction of working surfaces, stormwater (detention) basins, berms, ditches, or any other water quality protection containment structure. The design information must include water balance calculations for detention basins and wastewater conveyance features.
6. Any expansion of facility operation must meet the requirements of the General Order prior to commencement of composting operations in any new area.
7. A revised NOI is required at least 90 days prior to:
 - adding a new feedstock, additive, or amendment;
 - changing construction material or construction specifications;
 - changing a monitoring program; or
 - changing an operation or activity not described in the approved NOI and technical report.

Attachment B of the General Order includes specific monitoring and reporting requirements that you must comply with, including routine monitoring and reporting to the Central Valley Regional Water Control Board. The first year Annual Monitoring and Maintenance Report as identified in the General Order must be submitted to the Central Valley Water Board no later than **1 April 2021**, and then annually by 1 April each year.

All reports and other correspondence must be converted to searchable Portable Document Format (PDF) and submitted electronically. Documents that are less than 50 MB are to be emailed to: centralvalleyfresno@waterboards.ca.gov. Documents that are 50 MB or larger are to be transferred to a portable data storage device and mailed to this office at the address provided on the cover page.

To ensure that your submittal is routed to the appropriate staff person, the following information should be included in the body of the email or any documentation submitted to the mailing address for this office:

Attention:	Title 27 Unit
Discharger Name:	Cain Trucking, Inc.
Facility Name:	Cain Trucking Composting Facility
County:	Tulare County
CIWQS Place ID:	835311

If you have any questions regarding this letter or the attached memorandum, please contact Kristen Gomes at 559-445-5108 or by email at Kristen.gomes@waterboards.ca.gov.

Original Signed by Scott Hatton for:
Patrick Pulupa
Executive Officer

Enclosures: Memorandum

cc: Brianna St.Pierre Brianna.St.Pierre@waterboards.ca.gov
Jessica Gocke jgocke@tularehhsa.org
Alexandra Macedo mec@tularesalesyard.com
Paul Barcello paul@caintrucking.com

Central Valley Regional Water Quality Control Board

TO: SCOTT J. HATTON
Supervising Water Resource Control Engineer

CLAY L. RODGERS
Assistant Executive Officer

FROM: KRISTEN S. GOMES
Water Resource Control Engineer
PE No. 79025

ELIZABETH A.M. WELCH
Water Resource Control Engineer

DATE: 30 October 2020

**SUBJECT: APPLICABILITY OF COVERAGE UNDER STATE WATER
RESOURCES CONTROL BOARD WATER QUALITY ORDER 2015-
0121-DWQ, CAIN TRUCKING, TULARE COUNTY**

REPORT OF WASTE DISCHARGE

In October 2017, Cain Trucking submitted a Notice of Intent (NOI) and Technical Report for the Cain Trucking Composting Facility (Facility). The Technical Report, NOI, and filing fee were submitted to obtain coverage under Water Quality 2015-0121-DWQ, General Waste Discharge Requirements for Composting Operations (hereinafter General Order) for composting operations at the above referenced site. However, at that time, the Central Valley Regional Water Quality Control Board (Central Valley Water Board) was unable to issue a *Notice of Applicability* (NOA) since Cain Trucking was still in the process of obtaining the necessary permits from Tulare County.

On 11 October 2019, Central Valley Water Board staff inspected the Cain Trucking Compost Facility and issued an inspection report dated 30 October 2019. The inspection report outlined deficiencies in the technical report that was submitted with the NOI. The Technical Report was prepared by Macedo Engineering and was originally dated 26 October 2017. After Cain Trucking received the local operating permit from Tulare County on 25 March 2020, the Technical Report was subsequently revised to address these deficiencies on 6 October 2020.

SITE CONDITIONS

The Cain Trucking Composting Facility property is owned by Phyllis Faria and operated by Cain Trucking, Inc. The Facility is located at 7559 Avenue 152 in Tipton, CA. The Facility is approximately 128 acres in size.

Based on data from the department of Water Resources, the average annual precipitation is 11.85 inches and the average mean evaporation 70.83 inches per year. The magnitude of the 24-hour 25-year design storm is estimated to be 2.45 inches based on the data provided from the National Oceanic and Atmospheric Research Administration. According to the Federal Emergency Management Agency's (FEMA) Floodplain Map Panel 06107C1575E, the Facility is located in a Flood Zone X, which means that the site has less than a 0.2% chance of annual flooding.

Land use within one mile of the site is rural agriculture. The Technical Report states that the nearest water supply is an agricultural well approximately 50 feet from the feedstock storage area. The well is protected from runoff by the elevated roadway along the southern and eastern edge of the Facility. There is an additional agricultural well located on the western side of Road 72 near the southwest corner of the Facility. The closest surface water body is an irrigation canal located along the southern edge of the Facility. The average depth to groundwater is approximately 80 feet below ground surface (bgs) and the historical high groundwater level was approximately 20 feet bgs.

According to the USDA Natural Resources Conservation Service, the onsite soils fall under the hydrological group B and are an Akers-Akers Saline-Sodic complex, which are a sandy clay. Soil borings demonstrate that the soils consist of approximately 71% sand, 17% silt, and 8-13% clay. Laboratory testing on soil samples taken from the site have permeability ranging from 1.1×10^{-7} to 9.3×10^{-8} cm/sec, which meets the requirements of the General Order.

All wastewater generated when stormwater contacts composting materials flows via sheet flow into drainage ditches and discharges into an existing undersized stormwater basin onsite. The basin needs to be expanded and a liner needs to be installed in accordance with Item 2 on page 21 of the Composting General Order by 4 August 2022.

COMPOSTING OPERATIONS

The Facility composts manure from nearby dairy facilities. The Technical Report states that no additives are used but soil amendments such as sulfur, gypsum, and other minerals are added at the customer's request. After composting is complete, the finished compost is stockpiled and covered until it is sold to customers. The total permitted operational capacity is 200,000 tons per year, which equates to approximately 330,000 cubic yards of material. The manure is stockpiled onsite for up to 60 days prior to being placed into windrows. The windrows are then moisture

conditioned as needed and periodically turned a total of 16 times. The first six turns take place within the first 15 days and the remaining turns are conducted on a weekly basis. After temperature requirements are met, the compost is left to cure before it is sold to customers.

TIMELINE FOR COMPLIANCE

Full compliance with the General Order must be completed **by 4 August 2022** for existing facility operations. Any expansion of the Facility must meet the requirements of the General Order prior to commencement of composting operations in any new area.

Improvement	Completion Date
Submit engineering plans and technical specifications for the expansion and liner installation for the stormwater detention basin.	90 days prior to start of construction
Completion of stormwater detention basin.	4 August 2022
Grading improvements.	4 August 2022

Cain Trucking must submit a post-construction certification report to the Central Valley Water Board within 60 days of completing all construction activities associated with all applicable containment and monitoring structures, as required for compliance with this General Order and its associated Monitoring and Reporting Program (MRP).

MONITORING AND REPORTING

Cain Trucking will regularly inspect and maintain all containment, control, monitoring structure, and monitoring systems pursuant to the submitted Technical Report and Attachment B of the General Order Monitoring and Reporting requirements. The frequency of inspections should be sufficient to prevent discharges of feedstocks, compost (active, curing, or final product), or wastewater from creating, threatening to create, or contributing to conditions of contamination, pollution, or nuisance.

Cain Trucking is required to conduct a monitoring program as prescribed in the applicable portions of Attachment B of General Order Monitoring and Reporting requirements. Sections that apply are A.1., A.2., A.4., A.5., and B. Results of monitoring will be reported annually in the Annual Monitoring and Maintenance Report, which will be submitted by **1 April** of each year as long as the Notice of Applicability is in effect.

SITE CLOSURE

The Technical Report states that a closure plan would be submitted at least 90 days prior to ceasing composting operations.

RECOMMENDATIONS

Based on staff review of the Technical Report, it is anticipated that Cain Trucking can meet the requirements of the General Order. The Notice of Applicability can be issued and stay in effect as long as Cain Trucking implements all operations in a manner that complies with the requirements of the General Order.

Cain Trucking must comply with the following items:

1. **Ninety days prior to the start of construction**, submit engineering plans and technical specifications for review and approval for the expansion and liner installation for the stormwater basin, which meets the requirements of the General Order.
2. **By 4 August 2022**, the expansion and liner installation for the stormwater detention basin must be completed.
3. **By 4 August 2022**, the existing facility needs to be graded so that all surface runoff drains to the drainage conveyance system/stormwater detention basin.
4. Submit a post-construction certification report to the Central Valley Water Board within 60 days of completing all construction activities associated with all applicable containment and monitoring structures, as required for compliance with this General Order and the MRP.
5. Prior to any facility expansion, a technical report with design information will need to be submitted for approval by the Executive Officer of the Central Valley Water Board at least 90 days prior to new construction of working surfaces, stormwater (detention) basins, berms, ditches, or any other water quality protection containment structure. The design information must include water balance calculations for detention basins and wastewater conveyance features.
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