



EDMUND G. BROWN JR.
GOVERNOR

MATTHEW RODRIGUEZ
SECRETARY FOR
ENVIRONMENTAL PROTECTION

Central Valley Regional Water Quality Control Board

9 May 2017

Megan Smith
Mid Valley Disposal
15300 W. Jensen Avenue
Kerman, CA 93630

CERTIFIED MAIL
7016 2710 0000 2623 8429

CORRECTION OF ENROLLEE IDENTIFICATION NUMBER, GENERAL WASTE DISCHARGE REQUIREMENTS FOR COMPOSTING OPERATIONS WQ 2015-0121-DWQ, MID VALLEY DISPOSAL, FRESNO COUNTY

A Notice of Applicability (NOA) was issued on 7 March 2017 to Mid Valley, Inc. for the Mid Valley Disposal and Transfer Station 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-R5F001**. Please use this number in all future correspondence regarding this facility.

We apologize for any inconvenience. If you have any questions, please contact Elizabeth Martinez at (559) 445-6127 or by email at elizabeth.martinez@waterboards.ca.gov.

Original signed by:

DANIEL L. CARLSON
Senior Engineering Geologist
PG No. 5379, CEG No. 1695, CHG No. 488

cc: Glenn Allen, Fresno County Department of Environmental Health, Fresno
Nadine Langley, SWRCB

Central Valley Regional Water Quality Control Board

7 March 2017

Mr. Joseph Kalpakoff
Mid Valley Disposal, Inc.
15300 W. Jensen Avenue
Kerman, CA. 93660

NOTICE OF APPLICABILITY

**WATER QUALITY ORDER 2015-0121-DWQ
GENERAL WASTE DISCHARGE REQUIREMENTS FOR COMPOSTING OPERATIONS
MID VALLEY DISPOSAL, INC.
MID VALLEY DISPOSAL RECYCLING AND TRANSFER STATION
FRESNO COUNTY**

On 8 August 2016, Mid Valley Disposal, Inc. (hereafter Discharger) submitted a Notice of Intent (NOI) Technical Report, and filing fee for the Mid Valley Disposal Recycling and Transfer Station (Facility), to obtain coverage under Water Quality Order 2015-0121-DWQ, General Waste Discharge Requirements for Composting Operations (hereafter General Order), for composting operations at the above-referenced site. 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 Notice of Applicability (NOA) was developed after the review of your NOI and Technical Report as described in the attached Staff Memorandum which is a part of this NOA. Based on staff's review, the Facility meets the conditions of the General Order, and is hereby covered under General Order **2015-0121-DWQ-R5S002** as a **Tier II** composting operation. The Discharger must comply with all Tier II requirements of the General Order.

The filing fee for the Mid Valley Disposal Recycling and Transfer Station Facility is based on Threat to Water Quality and Complexity rating of 3B. The submitted \$4,699 filing fee covers the first year permitted by this NOA. 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 Staff 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:

- The Water and Wastewater Management Plan as submitted in the Technical Report and approved by staff must be implemented.
- Technical reports must be submitted 90 days prior to each construction activity, while post-construction reports must be submitted 60 days after the completion of each construction activity.
- Any expansion of facility operation must meet the requirements of the General Order prior to commencement of composting operations in any new area.
- A revised NOI is required at least 90 days prior to:
 - adding a new feedstock, additive, or amendment;
 - changing 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 2017**, and then annually by 1 April each year.

Now that the NOA has been issued, Elizabeth Martinez is your point of contact for any questions about the General Order and NOA, and you may contact her at (559) 445-6127 or at Elizabeth.Martinez@waterboards.ca.gov.

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:	Elizabeth Martinez, Title 27 Unit
Discharger Name:	Mid Valley Disposal, Inc.
Facility Name:	Mid Valley Disposal Recycling and Transfer Station
County:	Fresno County
CIWQS Place ID:	830138

If you have any questions regarding this letter or the attached Staff Memorandum, please contact Daniel Carlson at (559) 444-2484 or Daniel.Carlson@waterboards.ca.gov.

Sincerely,

Original signed by Clay L. Rodgers for:

PAMELA C. CREEDON
Executive Officer

Enclosures: Staff Memorandum

cc: Nadine Langley, State Water Resources Control Board, Sacramento
Glenn Allen, Fresno County Environmental Health Department, Fresno

Central Valley Regional Water Quality Control Board

STAFF MEMORANDUM

TO: DANIEL L. CARLSON
Senior Engineering Geologist

LONNIE M. WASS
Supervising Water Resource Control Engineer

CLAY L. RODGERS
Assistant Executive Officer

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

ELIZABETH A. MARTINEZ
Water Resources Control Engineer

DATE: 7 March 2017

SUBJECT: APPLICABILITY OF COVERAGE UNDER STATE WATER RESOURCES CONTROL BOARD WATER QUALITY ORDER 2015-0121-DWQ, MID VALLEY DISPOSAL RECYCLING AND TRANSFER STATION, FRESNO COUNTY

REPORT OF WASTE DISCHARGE

Clements Environmental Corporation prepared and submitted a report titled *General Waste Discharge Requirement Technical Report – Tier II, Mid Valley Disposal Recycling and Transfer Station*, dated August 2016, on behalf of Mid Valley Disposal, Inc. Subsequent information was provided to Central Valley Water Board Staff through emails dated 6th and 31st of October 2016 and 1st and 17th of November 2016. The Drilling, Soil Logging, and Laboratory Testing Report, dated 6 January 2017 and revised 19 January 2017, was also reviewed upon receipt.

SITE DESCRIPTION

The new Mid Valley Disposal Recycling and Transfer Station is owned and operated by Mid Valley Disposal, Inc and is located at 15300 W. Jensen Avenue, in Kerman, CA. The total operation footprint of the facility is 38 acres, and the facility is permitted as a full solid waste facility with a total daily capacity of 1,500 tons per day with a maximum 200 tons per day to be used for composting. The first phase of the project will use approximately 12.39 acre for all compostable material handling, which includes: roughly 7.09 acres for material receiving and chipping and grinding; 2.65 acres for active and curing compost phases; and 2.65 acres for finished product storage. All wastewater will be directed to on-site surface drains and contained in the on-site detention pond lined with HDPE.

COMPOSTING OPERATIONS

According to the Technical Report, the facility will only compost organic materials such as green waste, wood waste, food waste, and small amounts of manure. The green waste is collected from jurisdiction green bins located at residential homes, multi-family homes and commercial businesses. Green waste is also accepted from landscapers. Wood waste is primarily from agricultural orchard removal, with some wood coming from construction and demolition loads. Food waste is a growing and developing market in the Central Valley. Mid Valley Disposal plans to partner with grocery stores, restaurants, and food processors to receive pre-consumer food waste. As markets develop, Mid Valley Disposal will also accept post-consumer food waste from a variety of sources such as residential homes, schools, and hospitals. The manure is from local fairs and the Fresno Zoo. Up to 200 tons of these materials will be composted. The finished compost product and mulches will be stock-piled on-site until shipped off-site for agricultural or other uses. The Facility will use the San Joaquin Valley Air Pollution Control District (SJVAPCD) certified Best Available Control Technology (BACT) GORE™ composting system. The first phase of the GORE™ composting system is comprised of 16 concrete bunkers with sub-grade aeration trenches to collect wastewater and synthetic fabric covers to eliminate storm water contact with the composting material. The GORE™ composting system has been approved to achieve a 95.2% reduction in VOC emissions. The actual emission reduction may vary and will be modified as appropriate with SJVAPCD.

Prior to composting, select truckloads of organic material may be pre-processed in the Material Recover Facility (MRF) and Transfer Building to remove non-compostable materials. All material designated for the composting operation is source-separated material (i.e. not municipal solid waste) therefore Mid Valley Disposal Recycling Transfer Station anticipated minimal contamination. Prior to composting, all material will be chipped and ground to create a more homogenized blend, then fed through a trammel screen to further remove contaminants. All non-compostable residuals will be stored inside the MRF and Transfer Building until being transferred to a permitted landfill.

Field Exploration

Three exploratory test borings were drilled and a site reconnaissance was conducted by a staff engineer at Technicon Engineering Service, Inc. Tests were drilled with a CME 55 truck-mounted drill rig using hollow stem augers to depth 16.5 below the existing ground surface (bgs). The results for the hydraulic conductivity appear to meet the General Order requirements.

Composting Pads

The Technical Report states that the compostable materials handling areas are either paved with concrete or compacted with soil meeting the hydraulic conductivity specifications of the General Order. All organic material receiving, chipping and grinding, and mixing that occur outdoors are on compacted soil. All active and curing compost phases occur on concrete within concrete bunkers and covered with GORE™ synthetic fabric cover. All finished compost and mulch products are stored on compacted soil.

Wastewater

The facility is designed to manage the 25-year, 24-hour storm, and has sufficient capacity to hold the 100-year storm event for 27.48 acres of the facility. Storm water is directed to the storm water drainage system and basin, while a minimum amount of leachate is collected and stored in tanks for subsequent use in the composting process to maintain optimal moisture. The storm water basin will be lined with 60-mil HDPE and will be underlain by a 25ft x 25ft pan lysimeter.

DISCUSSION AND RECOMMENDATION

The facility will be inspected upon completion of construction. Within 60 days of completion of the storm water basin the Discharger will need to submit the CQA Report, as-builts, and an Operation and Maintenance Manual for the basin to our Office for Staff review and approval.

Based on staff review of the technical report and supporting documents, Mid Valley Disposal Recycling and Transfer Station meets the requirements of the General Order for a Tier II composting facility.