

**U.S. Environmental Protection Agency
Region 5**

Purpose: Clean Water Act National Pollutant Discharge Elimination System Compliance Evaluation Inspection

Facility: Carmeuse Lime, Inc. – Lorain Dock Operations
1840 Idaho Avenue
Lorain, Ohio 44052

Inspection Date: June 23, 2022

EPA Representatives:

Jake Berger, Physical Scientist, 312-353-8024, berger.jake@epa.gov

Anne Marie Vincent, Life Scientist, 440-250-1720, vincent.annemarie@epa.gov

Facility Representatives:

Justin Bowers, Area Environmental Manager – Ohio Region

Report Prepared by:

Jake Berger, Physical Scientist

Water Enforcement and Compliance Assurance Branch, Section 1

Inspector Signature and Date: _____
Berger, Jake Digitally signed by Berger, Jake
Date: 2022.07.26 09:57:12 -05'00'

Approver Name and Title: Molly Smith, Section 1 Supervisor, Water Enforcement and Compliance Assurance Branch

Approver Signature and Date: _____
MOLLY SMITH Digitally signed by MOLLY SMITH
Date: 2022.07.27 09:26:54 -05'00'

PURPOSE OF INSPECTION

The purpose of the inspection by the U.S. Environmental Protection Agency (USEPA) at Carmeuse Lime, Inc. – Lorain Dock Operations (Carmeuse or Facility) was to describe, evaluate, and document compliance with the Clean Water Act (CWA) and their National Pollutant Discharge Elimination System (NPDES) permit.

BACKGROUND

The Facility was formerly the Jonick Dock & Terminal Company until it was sold to Carmeuse Lime, Inc. in September 2021. Carmeuse is a distributor of bulk limestone material in Lorain, Ohio. Carmeuse is located on the Black River and receives bulk stone material at the Facility via barge. Customers purchase stone and remove it from the Facility via truck. Bulk stone material is stored in uncovered piles, at the water level, near the Black River. Carmeuse samples the Facility's industrial storm water discharges to the Black River from 3 outfalls near the uncovered stone piles. These outfalls are covered by the Ohio Environmental Protection Agency (OEPA) Industrial Storm Water General Permit (Permit) (OEPA Facility ID # 3GR01074*CG; Federal NPDES Identifier # OHR000006) which has an Effective Date of June 1, 2017. Permit # OHR000006 expired on May 31, 2022, and Carmeuse has 90 days from June 1, 2022 (the Effective Date of Permit # OHR000007) to submit a Notice of Intent (NOI) to OEPA to receive continued coverage under Permit # OHR000007. Carmeuse's industrial storm water discharges continue to be authorized under Permit # OHR000006 during this interim period.

INSPECTION

Jake Berger and Anne Marie Vincent of USEPA first arrived at the Facility at 7:50 a.m. EDT and were met by Kelly Allomong (Scale Operator). Jake Berger and Anne Marie Vincent showed her their inspector credentials and identification and were instructed to wait for Rob Hajski (Dock Foreman) to come up from the dock area. Rob Hajski explained that he would not be able to leave the dock operations to participate in the inspection, so Justin Bowers (Area Environmental Manager – Ohio Region) was called to come in from Carmeuse's office in Grand River, Ohio. Justin Bowers arrived at 10:30 a.m. EDT to serve as the Facility representative for the inspection. Jake Berger and Anne Marie Vincent showed him their credentials and identification and began the opening conference.

Opening Conference

USEPA staff explained that the purpose of the inspection was to:

- Review Carmeuse's records, including sample measurements, monitoring activities, and storm water plans, as required by Permit # 3GR01074*CG;
- Conduct a walkthrough of the Facility;
- Identify locations where storm water control had the potential to be insufficient; and

- Inform Carmeuse of areas of concern regarding the records review and facility walkthrough.

Records Review

Carmeuse had a binder of some storm water documents at the truck scale office. This included document templates for storm water record keeping, employee training records, and an undated and abridged version of their Storm Water Pollution Prevention Plan (SWPPP). Justin Bowers provided electronic copies of their self-inspection documentation and monitoring results. Justin Bowers immediately sent the full version of the SWPPP, which was finalized on January 31, 2020, to Jake Berger via email.

Upon review of these records, the following areas of concern were identified:

- Section 2.1.2.9 of the Permit requires Carmeuse to “train all employees who work in areas where industrial materials or activities are exposed to storm water, or who are responsible for implementing activities necessary to meet the conditions of this permit (e.g., inspectors, maintenance personnel), including all members of your Pollution Prevention Team. Training shall cover both the specific control measures used to achieve the conditions in this Part, and monitoring, inspection, planning, reporting, and documentation requirements in other parts of this permit. Ohio EPA requires that training be conducted at least annually.” Carmeuse has no records of providing any employee training related to storm water pollution prevention since 2017.
- Section 5.1.7 of the Permit requires the SWPPP to be signed and dated by a responsible corporate officer. The digital copy of the 2020 SWPPP that was provided was not signed.
- Section 5.3 of the Permit requires that a copy of the SWPPP shall be retained at the facility. Only part of the SWPPP was available at the Facility, as described above.
- Section 6.2.1 of the Permit requires Carmeuse to conduct Benchmark Monitoring of industrial storm water, take an average of the monitoring concentration values, compare these averages to the benchmark concentration, and take additional actions if the average monitoring values exceed the benchmark concentration. The limits for Lead and Zinc are hardness dependent as described in Section 8.Q.6 of the Permit. Carmeuse conducted this sampling but made no calculations of the average measured concentrations and did not compare their data to the benchmark concentrations. Therefore, Carmeuse never determined if they were meeting or exceeding the benchmark concentrations.
- The SWPPP needs to be updated to reflect changes at the Facility which include, but are not limited to, the permanent removal of one the outfalls, changes in the types of materials stored onsite, and ownership/staffing changes.

The records review portion of the inspection concluded at 11:40 a.m. EDT and was immediately followed by a Facility walkthrough tour with Justin Bowers.

Facility Walkthrough

USEPA staff made the following observations during the Facility walkthrough, further documented in the Photograph Log (attached):

- The gravel surface of the loading platform near Outfall A lacks containment around the edges (Photo 1). Sections of the metal barrier are level with the gravel surface, allowing gravel to fall into the Black River.
- The vegetated berm along the Black River shoreline used to contain storm water does not extend the entire length of the material storage area (Photo 8 and Photo 9). Runoff and erosion leading into the Black River are evident at the northern end of the material storage area, where there is no berm.

The Facility walkthrough tour ended at 12:40 p.m. EDT and was immediately followed by the closing conference.

Closing Conference

USEPA staff relayed the following preliminary comments to Justin Bowers during the closing conference:

- Carmeuse has until 90 days from June 1, 2022, to submit a NOI to OEPA to receive continued coverage under Permit # OHR000007;
- The SWPPP will need to be reviewed and updated within 180 days from June 1, 2022, as required by Section 5 of the Permit;
- Benchmark Monitoring results need to be averaged, and that average is to be compared to the Benchmark Monitoring limits to determine if correctional action is needed. Hardness also needs to be measured in order to determine the corresponding limits for Lead and Zinc;
- Carmeuse is required to complete annual storm water training;
- A complete and signed version of the SWPPP needs to be available onsite; and
- Storm water controls were insufficient in some areas to prevent erosion and runoff to the Black River, such as the loading platform and north end of the material storage area.

USEPA confirmed that no information collected during the inspection was considered Confidential Business Information.

USEPA concluded the inspection and left the Facility at 12:56 p.m. EDT.

Carmeuse Lime, Inc.
EPA Inspection 6/23/2022
All photos taken by Jake Berger, Physical Scientist, U.S. EPA
Camera: Olympus Tough TG-6



1: P6230023

Description: Outfall A

Location: Loading area; platform edge near outfall

Camera Direction: North

Date/Time: 6/23/2022 – 11:56 a.m. EDT

* Photograph time stamps are in Central Daylight Time due to camera settings, actual time of photograph is noted in the caption below each image.



2: P6230024

Description: Runoff path into outfall A

Location: Loading area

Camera Direction: Northeast

Date/Time: 6/23/2022 – 11:57 a.m. EDT



3: P6230025

Description: Outfall A

Location: Loading area

Camera Direction: Down/North

Date/Time: 6/23/2022 – 11:58 a.m. EDT



4: P6230026

Description: Outfall B

Location: Loading area

Camera Direction: North

Date/Time: 6/23/2022 – 12:06 p.m. EDT



5: P6230027

Description: Closeup of Outfall B

Location: Loading area

Camera Direction: North

Date/Time: 6/23/2022 – 12:07 p.m. EDT



6: P6230028

Description: Runoff path into Outfall D

Location: Onshore material storage area

Camera Direction: Northwest

Date/Time: 6/23/2022 – 12:17 p.m. EDT



7: P6230029

Description: Outfall D

Location: Onshore material storage area

Camera Direction: West

Date/Time: 6/23/2022 – 12:18 p.m. EDT



8: P6230030

Description: Erosion rill off storage area driveway

Location: North side of onshore material storage area

Camera Direction: West

Date/Time: 6/23/2022 – 12:34 p.m. EDT



9: P6230031

Description: Erosion channel along shoreline

Location: North side of onshore material storage area

Camera Direction: West

Date/Time: 6/23/2022 – 12:38 p.m. EDT