

DEPARTMENT OF ENVIRONMENTAL QUALITY
AIR QUALITY DIVISION
ACTIVITY REPORT: On-site Inspection

N656573460

FACILITY: STONECO-MOSCOW PLANT DIV 88		SRN / ID: N6565
LOCATION: ROUND LAKE& MOSHERVILLE RD, MOSCOW		DISTRICT: Jackson
CITY: MOSCOW		COUNTY: HILLSDALE
CONTACT: Sue Hanf , Environmental Engineer		ACTIVITY DATE: 09/04/2024
STAFF: Brian Carley	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MINOR
SUBJECT: Scheduled on-site inspection		
RESOLVED COMPLAINTS:		

Facility Contact: Austin McBean, Manager
Phone: 517-262-5118
Email: austin.mcbean@mipmc.com

Company Contact Person: Ms. Susan Hanf, Environmental Engineer
Email: shanf@mipmc.com
Company Phone Number: 734-241-8966

Purpose

I arrived at the facility and met with Sue Hanf. I explained that I was there to determine compliance with Permit to Install (PTI) No. 115-21B. Ryan Hobbes joined us to drive us around the plant.

Background

Stoneco-Moscow operates a sand and gravel surface mining facility. This plant has the capability of relocating, but it has been at this location for years and the company has no intention of using it in a portable manner. The sand and gravel are processed via screening and crushing once it has been mined. The sand and gravel are mined out of watered-in gravel pit along the south side of Mosherville Road on Stoneco's property and on another property north of Mosherville Rd. Sand is screened out from the mined material and the remaining stone is crushed into different size materials. The processed material is sold to building and road contractors. The facility's crushers are subject to NSPS Subpart OOO for Non-Metallic Mineral Processing Plants.

Compliance Evaluation

The crushing plants at this location are not equipped with a baghouse; therefore, SC 1.1 is not applicable to the plant's operation. I did not observe any visible emissions from the crushers, conveyors, stackers, storage piles, and material handling operations during the inspection. I determined that they are complying with Special Condition (SC) I.1. They do not crush any asbestos tailings or asbestos containing waste material as required by SC II.1. The company is abiding by the Fugitive Dust Control Plan in Appendix B of its permit (SC III.1). Specifically, the following measures are being taken by the plant to control fugitive dust: the drop distance at each transfer point and storage pile is being minimize; vehicles are tarped before leaving the site; a wheel loader applies water to the roadways and plant yard whenever necessary; material spills are cleaned up immediately; chloride is applied twice a year; and the time and date of each water application is being recorded. They showed me their fugitive dust logs where they record each time they water or apply chloride.

Ryan then drove us out to where the new conveyors were installed, but are not operational at this time. The new conveyors go to a crusher that is located on the property north of

Mosherville Rd. They are expecting to do the require Subpart 000 VE test sometime in October this year (SC IX.1). They were dredging a pond for material, but the crusher was not operating at the time of inspection. I inquired about the water spray that is required for the crusher. I was informed that it was not hooked up at this time and I told them that they are required to have it installed and operational even though the material they are crushing is already wet. The remaining crushers did have operational water sprays installed. Water is supplied continuously from a pond located on the plant's property. Since the material being processed was mined from a watered-in gravel pit, it is wet when it is loaded into the primary jaw crusher. We were able to see that the processed material was wet on the conveyors, stackers, and in the stockpiles at the time of the inspection.

I asked for the daily records of the material processed for the month of August 2024 and the monthly and 12-month rolling time period records for the material processed for calendar year 2024. Sue emailed their records of the amount of material that they process daily which meets the requirements of SC VI.2 (see attachments 1 and 2). The company's 2023 SLEIS submittal indicated that 1,502,896.2 tons of material was processed in 2023, which is well below their limit of 2,000,000 tons/year as required by SC II.2.

Compliance Determination

Based on this inspection and their most recent SLEIS submittal, I determined that Stoneco-Moscow's crushing plant is in compliance with its PTI and all other applicable air rules and regulations.

NAME Brian Carley

DATE 09/10/2024

SUPERVISOR SC