

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

B177468596

<b>FACILITY:</b> CLANCY EXCAVATING CO		<b>SRN / ID:</b> B1774
<b>LOCATION:</b> 29950 LITTLE MACK, ROSEVILLE		<b>DISTRICT:</b> Warren
<b>CITY:</b> ROSEVILLE		<b>COUNTY:</b> MACOMB
<b>CONTACT:</b> Doug Clancy , Manager		<b>ACTIVITY DATE:</b> 08/02/2023
<b>STAFF:</b> Robert Joseph	<b>COMPLIANCE STATUS:</b> Compliance	<b>SOURCE CLASS:</b> MINOR
<b>SUBJECT:</b> Scheduled inspection of Non-Metallic Mineral Processing Plant		
<b>RESOLVED COMPLAINTS:</b>		

On August 2, 2023, I, Robert Joseph, of the Michigan Department of Environment, Great Lakes, and Energy-Air Quality Division (EGLE-AQD), and staff member Joe Jaskowski, conducted a scheduled inspection of Clancy Excavating Co. (also referred to as “the facility” or “the plant”) located at 29950 Little Mack Avenue, Roseville, MI 48066. The purpose of the inspection was to determine the facility’s compliance with the requirements of the Federal Clean Air Act; Part 55; Air Pollution Control, of the Natural Resources and Environmental Protection Act, 1994 PA 451, Michigan Department of Environment, Great Lakes, and Energy-Air Quality Division (EGLE-AQD) Administrative Rules, conditions of the facility’s permit to install (589-87A) and Consent Judgement (2021-154-CE).

### Opening Introduction

The facility’s owner, Mr. Robert Clancy (86), passed away on May 23, 2023. The facility’s daily operations are now headed by, Doug Clancy, Site Manager. In addition, Cynthia Laurence, Secretary, is no longer employed at the facility after a recent medical procedure. Facility records are now being monitored by Jessica and Denise Clancy. The facility has been at its current location since 1965 and is a non-metallic mineral processing plant governed by the New Source Performance Standards (NSPS), Subpart OOO. The facility produces aggregate material such as 21AA (used as either road shoulder gravel or base course for pavement) and 1 x 3-inch crushed concrete (used in environmental control measures like sedimentation traps, vehicle access roads for track-out control, and as a base course for pavement). The facility is an aggregate supplier for state, county, local, and commercial construction projects.

### Background Introduction

The facility was issued a permit to install (PTI) 589-87, on February 10, 1988. This PTI required the installation and operation of a wheel wash system. A revised PTI, No. 589-87A, was issued on September 23, 2015, at the request of the facility to install rumble strips in-lieu of the wheel wash system. The facility installed the rumble strips in October 2018 at both the north and south exits (located just before the weigh station), however, they both lacked the proper dimensions for satisfactory truck traffic sedimentation control.

These rumble strips were determined to be unsatisfactory in May 2019 by the EGLE-AQD in the presence of the Assistant Attorney General, Charlie Cavanagh, who assisted the EGLE-AQD with the development of a Consent Judgment (CJ) in an effort to bring the facility into compliance. The CJ details the facility’s requirement to install rumble strips at both the south exit and also at the north exit once operational. The rumble strips must also meet the minimum specified dimensions (10’ x 50’ x 2”) and be maintained daily as required and recorded via recordkeeping. In addition, the CJ outlines stipulated penalties should the facility violate any of its conditions. It was signed into law on July 30, 2021.

In late November 2021, the facility installed rumble strips on the south exit to meet the required dimensions as outlined in the consent judgement. The facility currently is not utilizing the north exit as it was closed due to the construction of a storage facility which is now complete.

Also, the AQD received six fugitive dust complaints against them between May 19, 2022 – September 20, 2022. The AQD conducted investigations regarding these complaints and the facility was cited with a violation notice on June 10, 2022, due to fugitive dust plumes that were observed originating from the facility's storage pile and impacting the surrounding community. The facility attempted to reduce the height of the storage pile that was the source of the dust, in addition, the facility increased dust suppression applications atop the storage pile. In addition, truck traffic no longer could unload aggregate material along the side of the pile which was causing the fugitive dust disturbance.

The remaining complaints received were determined to be originating from the adjacent storage yard utilized by the lafrate Construction Company during the Gratiot Road reconstruction project in 2022. MDOT personnel were informed of this and advised to monitor the area to ensure proper dust suppression application was being performed. St. Clair Shores city council members visited both Clancy Excavating and the lafrate storage yard and agreed with the AQD's assessment of the site.

The storage yard is no longer active and the site was free from aggregate material during the inspection.

### **Facility Tour**

We arrived at the facility at approximately 11 a.m. and met with the facility secretaries, Jessica and Denise Clancy. We introduced ourselves and presented our identification and credentials and stated the purpose of our visit. It was at this time we were informed of the passing of Mr. Clancy as well as the recent departure of Cynthia Laurence. We then inquired about the status of Doug Clancy, and we were informed that he would be back shortly after a completing a delivery for a nearby commercial project. Upon our arrival, the aggregate concrete crusher was not operating as staff was performing clean-up work in the yard. Doug arrived on-site and spoke to us briefly regarding the changes in personnel and we informed him that we'd like to conduct a walk-through of the facility's operations.

I inquired if there were any equipment additions or modifications made to the facility and Doug stated that no changes have occurred. He stated that the facility generally operates Monday through Friday, 7 a.m. to 4:30 p.m. and maintains six employees (three of which operators) including himself. The facility has a fleet of ten vehicles and sells their product by the ton. The facility operates one primary jaw concrete crusher (Pioneer Model 2854, manufactured 1985), one secondary cone crusher (El-Jay Model 1313 manufactured 1986), one three-deck screener (only two are currently used), two conveyors (Kohlberg Series Model 31-30125, manufactured 1990), and two other conveyors currently not in use (Barber-Greene Portables, manufactured 1978 and 1983). The facility also has one water truck and one wet broom sweep vehicle.

Doug informed us he had additional deliveries to complete and we informed him we'd stay and observe the facility's operations upon start-up and view the facility's recordkeeping with staff personnel. The facility's roadways appeared to be well maintained and with dust suppression application applied to them. In addition, the rumble strips were maintained and

appeared to be in good working condition. There did not appear to be any fugitive dust plumes generating off of the facility's storage piles.

The facility completed the construction of a new storage building in the northwest area of the site in 2022. The facility closed the north exit while construction was ongoing for the storage building as this required the north exit rumble strips to be grinded away. The facility is currently only utilizing the south exit as this requires usage of the facility's weigh scale for vehicular truck traffic exiting the site. Joe and I continued to observe the facility's operations before conducting a records review of the facility's permit. Upon completion of the inspection and records review, we thanked the facility staff for their time and left shortly before 12 p.m.

## **PTI 589-87A**

### ***GENERAL CONDITIONS***

There were no concerns regarding these conditions at the facility. No visible emissions were observed, no malfunctioning equipment, and no modifications of the facility's equipment was observed.

### ***EU-PLANT***

#### **I. EMISSION LIMITS**

There were no visible emissions greater than 10% opacity on-site.

#### **II. MATERIAL LIMITS**

Doug indicated that the facility does not process any asbestos related material nor was any material observed on-site.

#### **III. PROCESS/OPERATIONAL RESTRICTIONS**

The facility's nuisance minimization plan is being implemented as specified in Appendix A. The facility's roadways were swept and there were no signs of fugitive dust leaving the site into the surrounding community at the time of inspection. Doug indicated the facility maintains calcium chloride onsite and a water truck for application. Both were observed but not in operation at the time.

#### **IV. DESIGN/EQUIPMENT PARAMETERS**

The facility maintains water sprays for EU-PLANT on each conveyor and the concrete crusher. Rumble strips are installed that meet the CJ's dimensional requirement for the south exit and the facility is not currently using the north exit, however, they are required to install rumble strips before using the exit and have agreed to do so as outlined in the CJ.

#### **V. TESTING/SAMPLING**

U.S. EPA Method 9 opacity readings were performed on July 23, 2015. Test results indicate readings to be below the 10% opacity permit limit.

### ***Appendix A-Nuisance Minimization Plan***

### I. Site Roadways/Plant Yard

The facility provided records of yard sweepings and dust suppression applications with the use of calcium chloride. There were no visible emissions emanating from the storage piles nor was fugitive dust observed leaving the site. Records indicate power broom sweepings occurred as needed within the yard, and rumble strip cleaning occurred in the morning and late afternoon.

### II. Truck Traffic

There did not appear to be any issues with truck traffic loading or fugitive dust being generated by them given the installation of the rumble strips at the south exit.

### III. Storage Piles and Crusher Operations

There did not appear to be a concern with the conveyor drop height distance. The facility provided records of watering/dust suppression applications. Their records indicate that water with calcium chloride occurs most days at least twice daily, once in the morning and again in the early afternoon.

### IV. Recordkeeping

The facility provided records for applications of dust suppressants, roadway sweepings and plant yard sweepings. In addition, the facility provided a log detailing the amount of material processed daily through the aggregate crusher. Records indicate the hours and production throughput are as follows in 2023:

April: 96.5 hrs, 34,740 tons

May: 131 hrs, 47,160 tons

June 117.5 hrs, 42,300 tons

July 124 hrs, 44,640 tons

The facility does not have a production limit in the permit; however, the facility has been using 360 tons/hours to calculate their daily throughput (the aggregate crusher has various maximum crushing settings for production at 185, 213, 267, 321, 375 and 428 tons/hours). The facility was advised to utilize the average quantity of 360 tons/hour beginning July 1, 2021.

### Conclusion

Based on the AQD inspection and records review, Clancy Excavating is in compliance with the aforementioned requirements and conditions of the facility's PTI 589-87A and Consent Judgement (2021-154-CE).

NAME Robert Joseph

DATE 08-21-23

SUPERVISOR Joyce