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

N641565953

FACILITY: Eimo Technologies, Inc.		**SRN / ID:** N6415
LOCATION: 14300 PORTAGE RD, VICKSBURG		**DISTRICT:** Kalamazoo
CITY: VICKSBURG		**COUNTY:** KALAMAZOO
CONTACT: Keith Holladay , Engineering Manager		**ACTIVITY DATE:** 10/25/2022
STAFF: Monica Brothers	**COMPLIANCE STATUS:** Compliance	**SOURCE CLASS:** MINOR
SUBJECT: Unannounced scheduled inspection		
RESOLVED COMPLAINTS:		

Staff, Monica Brothers and Sharon Espinosa, arrived at the facility at about 1:45pm and met with Keith Holladay, Engineering Manager. Upon arrival, I did not observe any visible emissions or odors coming from the facility. We first went to a conference room where I briefly explained the inspection process and asked Keith some preliminary questions. Eimo makes plastic parts for the medical, automotive, and consumer products industries. They have injection molding, machining, and printing equipment. They commenced operations at this location in 1968. They currently have about 250 employees and run the plastic injection molding operation 24/7, five or six days per week, and one shift per day for machining. There are two buildings at this site, one for most of the plastic injection molding machines, and the other for machining and printing. They do not have any boilers at the facility, but they do have one emergency generator, one diesel fire pump, and three cold cleaners. They currently have a General PTI #103-11 for a coating booth. However, Keith said that the coating operations did not work out at the facility and that they currently do not have any coating booths. This PTI will be voided.

After our initial discussion we took a tour of the facility. We began in the plastic injection building where they have about 50-60 plastic injection molding machines. These are considered exempt under Rule 286. They have material dryers that use desiccant to absorb moisture from the plastic pellets that they use in the injection molding machines. These dryers are powered by electricity and are vented internally. We viewed some assembly area and the clean room, where they do plastic injection molding for medical products. They have a small printing area in this building for small jobs. There are also two parts washers that are contained within a booth that vents externally. These are maintained by Vesco. Keith said that these parts washers were in a booth because they use lacquer thinner instead of mineral spirits. The lacquer thinner is more potent and potentially irritating to the user. The SDS for the lacquer thinner is attached to this report.

We then went over to the machining building where we observed the printing department. There is a large printer in this area with heated dryers that are powered by electricity. There is also an electrically powered cure oven for the printed parts. This printer prints on plastic parts that are then later added to the plastic injection molding machines. I let Keith know that I would need to see some ink usage records and SDS sheets for the inks used in the printer. He later emailed me these items. The four pad printers at the facility use only about five gallons of ink per month (combined). They use the lacquer thinner in the parts washers for cleaning some of the printer parts, as well as about 1 quart per month of a hardener and 0.1 gallon per month of an antistatic paste and retarder. The printing processes can be considered exempt under Rule 287(2)(c). This building also contains various machining equipment like, electro-discharge machines, graphite cutter, surface grinders, internally vented sand blasters, mills and grinders, welders, and two injection molding machines. The electro-discharge machines emit some smoke but are controlled

by a dust collector (torit) and vented internally. The mills and grinders are vented externally but are controlled by two dust collectors (torits). All of this equipment, except for the plastic injection molding machines, can be considered exempt under Rule 285. The plastic injection molding machines are considered exempt under Rule 286. There is also one parts washer in this building. It is a Safety Kleen parts washer that uses Vicsol Mineral Spirits and is maintained by Vesco. I gave Keith a couple of stickers to put on the parts washers. The parts washers are considered exempt under Rule 281(2)(h).

We also took a look at the generator and fire pump. The generator is a 17kW Generac natural gas -fired unit that runs weekly for twelve minutes for readiness testing. The installation date for this unit was February 2012 and the non-resettable hour meter read 235.1 hours. The diesel fire pump is a 244hp unit that runs for 30 minutes weekly for readiness testing. The installation date for the fire pump is 1991, and the non-resettable hour meter read 310.9 hours. The generator and fire pump are considered exempt under Rule 285(2)(g). The facility seemed to be in-compliance at the time of inspection.

NAME [signature] DATE 1/26/23 SUPERVISOR RIL 1/26/23