

Plant

DEPARTMENT OF ENVIRONMENTAL QUALITY
AIR QUALITY DIVISION
ACTIVITY REPORT: Scheduled Inspection

P056927815

FACILITY: PADNOS GRANDVILLE RECYCLING		SRN / ID: P0569
LOCATION: 3485 VIADUCT STREET SW, GRANDVILLE		DISTRICT: Grand Rapids
CITY: GRANDVILLE		COUNTY: KENT
CONTACT: Kris Randall, Supervisor		ACTIVITY DATE: 11/10/2014
STAFF: April Lazzaro	COMPLIANCE STATUS: Pending	SOURCE CLASS: Minor
SUBJECT: Unannounced, scheduled inspection.		
RESOLVED COMPLAINTS:		

Staff, April Lazzaro arrived at the facility to conduct an announced, scheduled inspection and met with Kris Randall, Supervisor of the non-ferrous shredder residue sorting operations (eddy current separator). I provided Mr. Randall the opportunity to look over the DEQ Environmental Inspections: Rights and Responsibilities brochure, but since he had already received one, he indicated it was not necessary. I stated that I was here for an inspection of the eddy current separator system, as a follow up to my previous inspection in April 2014 when the system was in the commissioning stage. At that time, I had pointed out concerns with dust generation. Additionally, a call was made to Rob McCormick, Padnos Environmental staff and stated that I would be back to conduct another inspection in the next few months and that Padnos needed to figure out if the system needed permitting.

Mr. Randall and I first observed the 48,000 CFM baghouse on the east side of the facility. It is painted dark blue, and at many of the welds on the side panels, it was noted that particulate is on the metal in a typical weld leak spray pattern. I also noted that there is accumulation of material on the inlet duct. Mr. Randall indicated that it is from when it sat on the ground prior to installation. I suggested Mr. Randall look into the leaks in the duct welds and he said he would.

We walked to the north to see the feed area of the eddy current separation system. There is a large hopper where the automotive shredder residue (ASR) is feed into the system with a front end loader. Mr. Randall indicated that they have modified one of the loaders with spray bars, and are in the process of fabricating the equipment to install on a second loader. Also, he indicated that they fabricating equipment to put a hood with spray bar on the hopper itself. Also Padnos has installed a Dust Boss on top of a column near the system. There are several conveyors located outside the building in this area that show clear evidence of particulate emissions. That is indicated by the amount of dust and dirt coating the (relatively) new equipment, and the piles of accumulated matter on the duct work below the conveyors. Staff received approval from Mr. Randall to take some photos of this area (attached).

We went inside to see the active capture hoods at each of the transfer points that is being ducted to the baghouse. Mr. Randall indicated that the baghouse is only internally vented because it provides the make up air to the system. The interior aspect of the sorting is also very dusty, as evidenced by accumulation of matter on the equipment.

As we were walking back toward the front of the building, Mr. Randall pointed out the hood that is in fabrication progress for the feed bin. It was coated in a thick layer of dust.

I asked Mr. Randall if he had information on the permitting status of this operation, and I brought up the fact I had specifically given Padnos time to get that done following the April 2014 inspection. Mr. Randall indicated that I would have to ask Rob McCormick, environmental staff about it because he did not know. I showed him the cover page of a permit for a similar sorting operation on the east side of the state. I let him write down the name and PTI number and indicated that if he wanted a copy of the permit, he would have to request the information through FOIA. (I did not give him a copy of the permit)

I thanked him, and asked to be escorted up to the front of the building.

Following the inspection, I forwarded all pictures taken of the equipment to Padnos to make sure there was no confidential information included. Padnos has stated that all but one of the five photos taken contain proprietary information, and as such four have been placed in a confidential file.

Additionally, I sent an e-mail to Mr. McCormick requesting an air permitting evaluation/exemption demonstration pursuant to Rule 278a. This gives the facility 30 days to provide the documentation on an exemption. Mr. McCormick responded that he had received the e-mail.

The facility compliance status is currently pending receipt and review of the exemption documentation. The documentation is due by December 10, 2014.

A follow-up report will be written upon receipt of the documentation and the compliance status will be determined at that time.



Image 1(Padnos Grandville) : Outdoor pile of material sorted from eddy current separation system. Other photos in confidential folder.

NAME Paul Lazzari

DATE 11-19-14

SUPERVISOR PAR3