

DEPARTMENT OF ENVIRONMENTAL QUALITY  
AIR QUALITY DIVISION  
ACTIVITY REPORT: Self Initiated Inspection

N750834402

FACILITY: A & L IRON AND METAL INC.		SRN / ID: N7508
LOCATION: 2000 MILBOCKER RD., GAYLORD		DISTRICT: Gaylord
CITY: GAYLORD		COUNTY: OTSEGO
CONTACT: Brian Miller		ACTIVITY DATE: 04/28/2016
STAFF: Gloria Torello	COMPLIANCE STATUS: Non Compliance	SOURCE CLASS: MINOR
SUBJECT: Self Initiated Inspection, excess visible emissions from generator engine.		
RESOLVED COMPLAINTS:		

Gloria Torello and Becky Radulski of AQD staff drove past the facility while completing field work in Otsego County. AQD staff observed black excess visible emissions from the stack on the generator engine. With this observation, AQD staff pulled into the facility and started taking visible emissions readings. The Visible Emissions Observation Form is attached. The highest 6-minute visible emission reading was 45.4 percent, and the second highest 6-minute visible emission reading was 42.29 percent. Permit 173-08 limits visible emissions from EUGENERATOR to 20 percent.

During the visit AQD staff met the Mr. Jason Harding and Mr. Brian Miller from A&L staff. Jason said it was the end of the month and the shredder was running harder. Large pieces of metal, such as the majority of a car, was placed on the conveyor line and shredded. With the increased demand on the generator engine there was an increase in excess visible emissions. The generator engine operated on diesel fuel. The shredding operations then stopped for the day.

AQD and A&L staff went to the office. A&L staff had copies of their AQD permits and recordkeeping available. Jason said the generator engine was serviced last month. The generator engine may operate on diesel or natural gas. A&L retained Derenzo and Associates in the past to complete visible emission readings at the facility. It was Torello's understanding the generator engine provides power to a "DC motor" and the shredder receives its direct power from the DC motor. The DC motor has a gauge which measures AMP load.

There was discussion of possible causes of, and solutions to, the generator engine's excess visible emissions. The discussion touched on generator engine maintenance, the generator engine operating on natural gas, using electricity from the grid to power the shredder, loading the shredder lighter to decrease demand on the generator engine, operating with the DC motor within a limited AMP range.

Torello communicated it is the permittee's responsibility to operate their equipment and be in compliance with the permit limits. Torello provided A&L staff with her business card. The generator engine would operate again the next morning from approximately 8:00 a.m. until noon and Becky said she would stop back at the facility in the morning to observe the generator engine stack.

NAME

Gloria Torello

DATE

5-9-16

SUPERVISOR

