

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

N125835505

FACILITY: SCIENTIFIC BRAKE & EQUIPMENT CO		SRN / ID: N1258
LOCATION: 314 W GENESEE, SAGINAW		DISTRICT: Saginaw Bay
CITY: SAGINAW		COUNTY: SAGINAW
CONTACT: Brian Hallet ,		ACTIVITY DATE: 07/12/2016
STAFF: Gina McCann	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MINOR
SUBJECT: Targeted inspection for FY 2016 to determine compliance of PTIs # 1127-90, 1155-90 and 244-86.		
RESOLVED COMPLAINTS:		

I (glm) conducted a targeted inspection of Scientific Brake. I met with Mr. Brian Hallet and he provided a walk through tour of the facility. The purpose of the inspection was to determine compliance with PTIs # 1227-90 (spray painting), # 1155-90 (sandblasting) and 244-86 (brake shoe reclaiming).

Description

Scientific sells new and used trailers for commercial application. They sell and service snow plows, salt & sand spreaders, lift gates, tarp systems, dump bodies, platform bodies, van bodies, truck mounted cranes, and cargo van interior packages. In the late 1980's and early 1990's the facility was issued three permits for the following processes: # 1227-90 (spray painting), # 1155-90 (sandblasting) and 244-86 (brake shoe reclaiming).

PTI # 244-86: Compliant

During the inspection we viewed the area where the brake shoe reclaiming process was housed. Mr. Hallet said he has been with the company for eleven years and the equipment was gone before he started. There were a series of dip tanks used to remove the adhesive which held the brake shoe lining. The lining was removed from the brake shoe and then replaced. The facility removed the equipment since the industry now replaces the entire shoe instead of refurbishing. An email was sent on July 13, 2016 to have this permit voided since the equipment is no longer on site.

PTI # 115-90: Compliant

This process equipment is no longer on site at the facility. Sandblasting is now outsourced. An email was sent on July 13, 2016 to have this permit voided since the equipment is no longer on site.

PTI #1227-90: Compliant

The spray booth is used to paint equipment the customer purchases from Scientific. For instance, during the facility tour I viewed a semi tractor with a dump trailer in the paint booth. The dump trailer was purchased from Scientific, installed, and painted to match the semi tractor. According to Mr. Hallett the facility used 97 gallons of paint in 2015 and from January 1, 2016 thru June 17, 2016 the facility used 59 gallons of paint. The PTI limits the annual usage to 936 gallons. The PTI also limits VOC emissions to 2.7 ton per year (tpy). The facility provided msds for all coatings they use. Assuming all 97 gallons sprayed were the porcelain white 2.8 VOC Pithane, which had the highest density at 12.35 lb/gal, the VOC emissions for 2015 were 0.6 tpy. The facility could utilize PTI exemption R287(c) due to the low volume of usage, but they wish to keep the permit active.

At the time of my inspection the facility was in compliance with all active permits.

NAME Shirley L. McCann DATE 7/19/2016 SUPERVISOR C. Hare