

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

N120629500

FACILITY: Quality Spindle Services, Inc. (QSS)		SRN / ID: N1206
LOCATION: 33871 RIVIERA DR, FRASER		DISTRICT: Southeast Michigan
CITY: FRASER		COUNTY: MACOMB
CONTACT:		ACTIVITY DATE: 05/01/2015
STAFF: Kerry Kelly	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MINOR
SUBJECT:		
RESOLVED COMPLAINTS:		

On May 1, 2015, AQD staff Joyce Zhu and I conducted an unannounced self-initiated inspection at GS Industries, Inc. located at 33871 Riviera Drive, Fraser, Michigan. This facility is identified by the Air Quality Division with the State Registration Number (SRN) of N1206. The purpose of this inspection was to determine the facility's compliance with the requirements of the Federal Clean Air Act; Article II, Part 55, Air Pollution Control, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (Act 451); Michigan's Air Pollution Control Rules; and the conditions of Permit to Install (PTI) Nos. 762-85, 763-85, and 764-85.

General Information

When we arrived at 33871 Riviera Drive we discovered GS Industries, Inc. no longer owns, or operates within, the facility at this address. The new owner and operator is Quality Spindle Services, Inc. (QSS). QSS engineers and manufactures metal spindles for various types of machines. Regular hours of operation are Monday – Friday 6:00 am to 4:00 pm and occasionally Saturday.

Pre-Inspection Meeting

During the pre-inspection meeting we initially showed our credentials (ID Badge), stated the purpose of our visit, and gave a copy of the pamphlet "Environmental Inspections: Rights and Responsibilities" to Mr. John Anderegg and Mrs. Deborah Anderegg. Mr. Anderegg identified himself as the owner of QSS. I explained to Mr. Anderegg and Mrs. Anderegg that permits for a sand blast room (PTI No. 762-85), woodworking operations (PTI No. 763-85) and a spray paint booth (PTI No. 764-85) were issued to their business address. The Andereggs were unaware of the permits and expressed interest in having them voided. Mr. Anderegg stated that sand blasting is done for a total of about 20 minutes a day, woodworking no longer takes place, and the spray paint booth is still operational and used very rarely. I explained to Mr. and Mrs. Anderegg that Permit No. 763-85 can be voided if QSS does not perform woodworking operations. I also informed Mr. Anderegg and Mrs. Anderegg that QSS may be exempt from R 336.1201 for the sand blast room and spray paint booth, showing them R 336.1285(l)(vi) and R 336.1287(c). I asked Mrs. Anderegg for paint usage records required by exemption R 336.1287(c). Mr. and Mrs. Anderegg accompanied us during the walk through inspection.

Spindle Manufacturing Process

During the facility walk through, AQD staff Ms. Zhu and I inspected the spindle assembly room, inspection and testing room, and metal manufacturing activities such as grinding, milling, and turning. Emissions from the metal manufacturing machines are released only into the general in-plant environment. These processes are exempt according to R 336.1285(l)(vi). There are two cold cleaners with mineral spirits used to clean parts. The lids on the cold

cleaners were closed. Cold cleaner use instructions were given to Mrs. Anderegg. The cold cleaners are exempt by R 336.1281(h).

Coating Operations

Ms. Zhu and I inspected one spray paint booth with one air-assisted spray gun. The paint booth was not in use during the inspection. The exhaust in the paint booth appears to serve only the coating spray equipment and the filters in the booth were properly installed. According to Mr. Anderegg the filters are changed every two to three years because the paint booth is very rarely used. Spray nozzles are cleaned using lacquer thinner. The purged solvents are collected and stored in sealed 55 gallon drums. A waste hauler, Crystal Clean, collects the waste solvent for disposal. Paints are stored in a closed cabinet.

Sand blast room

Mr. Anderegg showed us the sand blast room. Stored inside the sand blast room was a portable sand blaster. Mr. Anderegg stated that the sand blast unit can be moved to anywhere in the facility and he does not use any of the ventilation equipment in the sand blast room. The emissions from the portable sand blast machine are released to the general in-plant environment. Mr. Anderegg also said he is interested in removing the sand blast room ventilation equipment and has had contractors estimate the cost of removing it.

Conclusion

On May 8, 2015, I sent the permit section a request to have Permit No. 763-85 voided because woodworking is no longer taking place at this facility and the woodworking equipment has been removed. QSS submitted coating and lacquer thinner usage records for May 2013 – April 2015 on May 8, 2015. The reported usage of paint and lacquer thinner combined is 0.625 gallons per month. The spray paint booth is therefore exempt by R 336.1287(c) because less than 200 gallons of coating per month is used, the exhaust system that serves only coating spray equipment is supplied with a properly installed and operating particulate control system, and coating usage records were provided for the latest two year period. The portable sand blast equipment is exempt by R 336.1285(l)(vi) because the emissions are released only into the general in-plant environment. On May 26, 2015, I received an e-mail from Mrs. Anderegg requesting permit nos. 762-85 and 764-85 for the sand blast room and spray paint booth, respectively, be voided. I submitted a request to the MDEQ permitting section on May 28, 2015 to have permit nos. 762-85 and 764-85 voided. QSS appears to be operating in compliance with air quality regulations.

NAME Kerry Kelly DATE 5/29/15 SUPERVISOR CJE