

Plant

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

N781832861

FACILITY: BELWITH PRODUCTS, LLC		SRN / ID: N7818
LOCATION: 3100 BROADWAY AVE SW, GRANDVILLE		DISTRICT: Grand Rapids
CITY: GRANDVILLE		COUNTY: KENT
CONTACT: Robert Weston , Finishing Engineer		ACTIVITY DATE: 01/07/2016
STAFF: April Lazzaro	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MINOR
SUBJECT: Unannounced, unscheduled inspection.		
RESOLVED COMPLAINTS:		

Staff, April Lazzaro arrived at Belwith Products and met with Marie Rendak, Plant Manager and Robert Weston, Finishing Engineer. They were provided a copy of the DEQ Environmental Inspections: Rights and Responsibilities brochure and its contents were discussed.

Belwith Products designs and produces the first finish sample of cabinetry hardware. The hardware is metal and made from brass, bronze or zinc materials. To complete the sample, the metal is plated via a plating line to create various proprietary finishes. After this, the product will go elsewhere for manufacturing.

This facility currently holds permits for two plating lines, 110-02A for a solid brass antiquing line and 217-07 for a hand operated basket and rack electroplating line. The equipment permitted by 110-02A is mothballed and hasn't operated in a few years. The tanks are still present (empty), and the facility would like to maintain the permit for this.

The line permitted by 217-07 is still in operation, though because they are only producing the finish samples, it is limited. This permit requires the operation of a single pack fume scrubber system, which was observed externally. We had a maintenance discussion, and I mentioned that any leaks to the scrubber should be repaired immediately as they are a compliance issue. No leaks were observed as the unit was empty since no plating was currently taking place. The permit requires that a pressure drop gauge and a flow meter be installed, as well as daily records to demonstrate the appropriate levels. Mr. Weston provided me with the log sheets and all have information recorded for the days the line and scrubber were in operation. Unfortunately, they are not really monitoring what the appropriate ranges are, as they have been operating status quo for a long time. I requested that they contact the manufacturer to discuss this, as well as checking to see if the media needs replacement. During the visual inspection no discoloration of the stack or scrubber body was identified which could indicate a problem to the scrubber operation. Since it was off and empty, I did not require start-up of the unit even though Mr. Weston offered to. Mr. Weston indicated he will investigate the next time it is operational to see if anything is needed with the unit.

The company has two small spray booths where lacquer is applied via HVLP guns. One of the booths is not in operation, and the other had filters on and appropriately placed. This booth is exempt pursuant to Rule 287(a). Mr. Weston maintains purchase records to demonstrate compliance, usage is less than 100 gallons per year.

Both the sand blast and woodworking areas are controlled by internally vented sock style particulate filters. These are exempt per Rule 285(l)(vi).

The facility has a small sand casting operation and furnace to cast the finish samples. There is a furnace in where a pot will hold molten metal. The molten metal is then either poured into a sand mold, or poured into the spin cast machine to make the part. I specifically asked the staff who works with the metal if he is using any flux, and was told they just stir the metal and skim any impurities off the top. The furnace is exempt per Rule 282(a)(iv) or (vi). The spin casting appears to be exempt per Rule 285(l)(i).

Belwith Products was in compliance at the time of the inspection.

NAME April Lazzaro

DATE 1-8-16

SUPERVISOR PMB