

DEPARTMENT OF ENVIRONMENTAL QUALITY
AIR QUALITY DIVISION
ACTIVITY REPORT: On-site Inspection

P077362695

FACILITY: Spring Arbor Coatings - Fowlerville		SRN / ID: P0773
LOCATION: 895 Garden Lane, FOWLERVILLE		DISTRICT: Lansing
CITY: FOWLERVILLE		COUNTY: LIVINGSTON
CONTACT: Jason Adair , Quality Manager		ACTIVITY DATE: 03/22/2022
STAFF: Samantha Davis	COMPLIANCE STATUS: Compliance	SOURCE CLASS: SM OPT OUT
SUBJECT: Scheduled inspection for compliance with PTI No. 116-17B.		
RESOLVED COMPLAINTS:		

ACTIVITY REPORT – Scheduled Inspection

Safety Equipment Required: Steel-toed boots, earplugs, and safety glasses.

Purpose: Scheduled inspection for compliance with Permit to Install (PTI) 116-17B.

Location: Spring Arbor Coatings (P0773) is in the town of Fowlerville in a small industrial park. The facility is approximately 500 feet from the Red Cedar River and 1,270 feet from the nearest residence. There is a forest buffer between these areas.

Facility Background/Regulatory Overview: Spring Arbor’s main operations consist of electrodeposition coating of steel automotive components. This facility operates 2 shifts, 5 days per week.

Spring Arbor Coatings operates under a synthetic minor permit, PTI 116-17B for two electrodeposition coating lines and curing ovens.

A *synthetic minor* permit limits the facility’s potential to emit (PTE) for five of the criteria pollutants: carbon monoxide, nitrogen oxides, sulfur dioxides, volatile organic compounds, and particulate matter to keep it from becoming a major source.

Fee Status: This facility is fee subject and required to report to MAERS.

Inspection:

Arrived: 10 AM

Departed: 11 AM

Last Inspection: 7/11/2018

Complaints: None

There were no visible emissions from the facility upon arrival. No odors were identified in the residential area to the East or on Garden Lane approaching the facility. Wind was out the West at 2mph, 40 degrees F, cloudy conditions.

Upon arrival I was greeted by Pete, Plant Manager, and we were joined by Jason Adair, Quality Manager. First, we sat down for a pre-meeting to discuss any changes to the facility, and what I wanted to see out on the plant floor. Pete and Jason then showed me the two coatings lines. Coatings line 1 has 13 dip tanks and utilizes two exhausts. The first one is a pretreatment exhaust for the phosphate and the cleaner. The line uses a .5 gal of VOC paint and an Ultra filter. The second exhaust is for the natural gas oven, which is kept at about 400 degrees F to cure paint. Line 1 is mostly used for small parts. Coating line 2 is a similar line

with one less dip tank, and also utilizes two exhausts. This line is primarily used for larger parts.

They use ethylene glycol as a paint additive and also for any cleaning. This is tracked and reported to MAERS.

Pete informed me that the chip shortage had production down about 25%.

Table 1-1: This table identifies the emission unit, description of the unit, the correlating exemption it is operating under and the compliance status of the unit.

No.	Emission Unit	Description	Permit No. or Exemption	Comp. Status
1	EUCOATINGF1	Electrodeposition steel coatings line with curing oven.	PTI 116-17B	C
2	EUCOATINGF2	Electrodeposition steel coatings line with curing oven.	PTI 116-17B	C
3	Boiler 1	Natural gas fired boiler; 1 million btu. Serves e-coat line 1.	Exempt 282(b)(i)	C
4	Boiler 2	Natural gas fired boiler; 1 million btu. Serves e-coat line 1.	Exempt 282(b)(i)	C

Recordkeeping: Following the tour we returned to the conference room to go over recordkeeping requirements.

Coating Line 1 and Coating Line 2 both have an individual VOC limit of 10 tpy on 12-month rolling time period, with a material limit of 1.1 lb/gal (minus water) of VOC. Both lines are well below their emission limit in the permit.

FGFacility in the permit has some HAP emission limits but I was told all of the solvents and paints used at Spring Arbor Coatings – Fowlerville are HAP-free. They also do not utilize Methyl isobutyl ketone.

Summary: Based on my inspection and record review, it appears that Spring Arbor Coatings is in compliance with their PTI No. 116-17B.

NAME Samantha Davis

DATE 5/27/22

SUPERVISOR BM