

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

FY2014 Insp

U6314304625045

FACILITY: EIDE Miller Precision Machining, Inc.	SRN / ID: U63143046
LOCATION: 4998 McCarthy Dr.	DISTRICT: Southeast Michigan
CITY: Milford	COUNTY: OAKLAND
CONTACT:	ACTIVITY DATE: 04/04/2014
STAFF: Iranna Konanahalli <i>JK</i>	COMPLIANCE STATUS: Compliance
SUBJECT: FY 2014 inspection of EIDE Miller Precision Machining, Inc. ("EIDE Miller"), fka Elopak Precision Machining, Inc.,	SOURCE CLASS:
RESOLVED COMPLAINTS:	

Epile: U63 14 3046-SAR-2014 04 04

EIDE Miller Precision Machining, Inc. (U-63-14- 3046)
4998 McCarthy Dr. (fka 4998 Pontiac Trail)
Milford, Michigan 48381

On April 04, 2014, I conducted a level 2 self-initiated inspection of EIDE Miller Precision Machining, Inc. ("EIDE Miller"), fka Elopak Precision Machining, Inc., located at 4998 McCarthy Dr. (fka 4998 Pontiac Trail), Milford, Michigan 48381. The inspection was conducted to determine compliance with the Federal Clean Air Act; Article II, Part 55, Air Pollution Control, of the Natural Resources and Environmental Protection Act, 1994 PA 451 and Michigan Department of Environmental Quality, Air Quality Division (MDEQ-AQD) administrative rules.

During the inspection, Martin Eidemiller (Phone: 248-529-2150 or 248-669-2660-ext. 225; Fax248-684-0402; E-mail: meidemiller@epmachining.com), President, assisted me.

Founded in 1976, EIDE Miller is in the business of precision machining. Norwegian company Elopak owned Elopak Precision Machining and Martin Eidemiller was VP and GM of the plant. Martin Eidemiller renamed the company: EIDE Miller Precision Machining, Inc.

Elopak, Inc., which is headquartered in Norway, bought Pure-Pak in 1985. Elopak makes Gable-top-filling machines (high speed), which are used to form, fill and seal food containers, e.g. milk cartons, orange juice, etc. (liquid filling only). Elopak, Inc. (N2712) operated its carton machines assembly plant in New Hudson and bought the parts from EIDE Miller. This was an assembly plant and all parts were assembled; 99 percent of the parts were made by suppliers. According to Ms. Pylar, employment at New Hudson reduced from 300 to 40 employees. Parent company Elopak moved, about 2012, all manufacturing to Monchengladbach, Germany. Offices and spare parts warehousing were moved to Wixom from New Hudson about January 2013.

As Elopak shutdown US manufacturing operations for cartons, Mr. Martin Eidemiller bought Elopak Precision Machining (34,000 sq. ft. facility). Eidemiller still deals with Elopak which moved its spare parts business to Wixom.

34,000 sq. ft. Eidemiller facility has lathes, CNC machines, Fadal mills, etc. for machining. Currently business is automotive (50%), appliance (including Elopak), defense, etc.

Safety-Kleen Cold-cleaners

There are two identical Safety-Kleen 3'x4' parts cold-cleaners (Model 34 Solvent VAT parts

washer) with spray a brush and a solvent tank. The cold-cleaners are sink-on-tank type. The cold-cleaners are subject rule 336.611 or 336.1707 depending on if it is new or existing. A cold-cleaner is exempt from Rule 336.1201 pursuant to Rule 281(h) or Rule 285(r) (iv). Existing cold cleaners were placed into operation prior to July 1, 1979. New cold cleaners were placed into operation on or after July 1, 1979.

The units may be described as a "sink on a tank" type. The solvent is stored in the tank (enclosure reservoir) of about 50 gallons capacity. Parts are placed in the sink area and solvent is pumped over the part. The solvent then drains back into the tank. Mineral spirits, a low vapor pressure organic solvent, is used as a cleaner.

Mechanically assisted lids were closed during the FY 2014 inspection. The cold-cleaner operating procedures were not posted during FY 2014 inspection.

On April 04, 2014, I gave DEQ's decals for "cold-cleaner operating procedures" for posting and complying with work-practice rules. I asked the company to follow the common sense work practice in the procedures.

Safety-Kleen services the units.

Safety-Kleen (800-669-5740) Premium Solvent (virgin and recycled). Petroleum Distillates CAS 64742-478

100% VOC solvent. Flash Point (FP) = 148 °F. Auto Ignition = 480 °F. Boiling Point (BP) = 350 (Initial) °F @ 760 mm Hg. Vapor Pressure (VP) = 0.2 mm Hg at 68 °F. Specific Gravity (SG, Water = 1.0) = 0.77-0.82. Density (ρ) @ 68 °F = 6.4-6.7 lbs / gallon (0.770-0.800 kg /L). Flammability range = 1 %v (LEL) – 7%v (UEL).

Lathes, CNC, machines and Mills

12 lathes (11 CNC and 1 manual), 12 Fadel Mills are present. None of these machines exhaust to outside ambient air; five machines are equipped with air filtration devices.

The machines are exempt from Rule 336.1201 (Permit-to-Install) pursuant to Rule 336.1285 (l).

Conclusion

All process equipment including cold-cleaners are exempt from Rule 336.1201.

NAME

B. Llanawald

DATE

05/05/2014

SUPERVISOR

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