

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

N624025516

FACILITY: Application Engineering, Inc.		SRN / ID: N6240
LOCATION: 1310 KALAMAZOO ST, SOUTH HAVEN		DISTRICT: Kalamazoo
CITY: SOUTH HAVEN		COUNTY: VAN BUREN
CONTACT: Edward Burgess, President		ACTIVITY DATE: 06/10/2014
STAFF: Dorothy Bohn	COMPLIANCE STATUS: Compliance	SOURCE CLASS:
SUBJECT: unannounced inspection		
RESOLVED COMPLAINTS:		

I arrived at 10 am. Edward Burgess, owner, helped me until about 10:40 then Bruce did. I gave Ed an inspection brochure. The building used to be the R&D facility for Bohn Aluminum and then Karl Schmidt. The building still says Production Engineering on it. It has been Application Engineering since 2003 and Ed has owned it since 2008. Basically they make parts and accessories (except electronics and software) for engine testing equipment (dynamometers). The engines can vary in size from that of a weed eater to a ship size. They make small dynameters and supply mid-size ones.

They have machining & sandblasting equipment that vents in and welding equipment. This is all exempt per Rule 285(l)(vi) and Rule 285(i). Painting is sent out except for the occasional use of a can which is exempt per Rule 287(b).

Plating line: Ed showed me a room with a plating line. He said that this came with the business and that he has not used it nor does he have any of the chemicals for using it. If he got someone that knew how to operate it then they might use it. I told him that if he gets to the point where he thinks they are going to use it he needs to contact the AQD in advance to determine if it would meet an exemption or need a PTI. Some of the tanks are labeled copper cyanide & HCl.

RICE: They have 4 rooms that can be set up as test cells but only one has an engine. It is used infrequently. Bruce said it hasn't been used in the last 5 months but is typically used 1-2 times a year for about 2-4 hours each time. It is typically run to build up heat to test equipment before it is sent out to a customer. They will leak test and ensure that the equipment is operating properly.

Some of the equipment tested are fuel delivery systems and cooling systems. Stoddard solvent is used to mimic diesel fuel when testing a diesel fuel delivery system. Hot water is used for the heating/cooling systems. They will check for leaks, fuel economy, for heating/cooling, etc. The fuel systems are self-contained so not much stoddard gets emitted. Ed said that a 55 gallon drum lasts them about 2 years. This would meet Rule 290.

They would like to do long term testing with the cells but it has not worked out yet. It would take 4-6 months to get a test cell ready to test. The engine is a Ford 7.5 liter gasoline engine with a date of 2/10/93 on it. In a 6/12 email Ed states the it is just under 335 hp and 250 kw. The engine will be an existing engine under the MACT ZZZZ and they appear to be an area source of HAP.

The building is heated by several small natural gas fired furnaces and they do not have an emergency generator.

I left at 11am. I will send them information on Rule 290 and a link to information on the MACT standard for RICE (ZZZZ). They appear to be in compliance with Michigan's regulations.

NAME Dorothy Bohn DATE 6/16/14 SUPERVISOR _____