

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

B653224375

FACILITY: VIKING RECREATIONAL VEHICLES		SRN / ID: B6532
LOCATION: 580 W BURR OAK STREET, CENTREVILLE		DISTRICT: Kalamazoo
CITY: CENTREVILLE		COUNTY: SAINT JOSEPH
CONTACT: Mark Truckey , Production Manager		ACTIVITY DATE: 02/19/2014
STAFF: Dennis Dunlap	COMPLIANCE STATUS: Compliance	SOURCE CLASS: <i>Miken</i>
SUBJECT: Scheduled inspection.		
RESOLVED COMPLAINTS:		

This was not an announced inspection. The inspection brochure was handed out. Mr. Mark Truckey is the contact person.

This facility builds Viking pop-up campers and Clipper travel trailers. Three main areas were toured: the tent camper building; the CNC building; and the travel trailer plant. Currently the plant is operating one shift 4 days/wk.

**Tent Camper Building-** this part is entered through the office area. There was a parts cleaner and a maintenance welding area. Frames for the tent campers are shipped in already assembled and painted. Wheels are put on here. The floor is wood composite. Darko is a material that is glued onto the part of the floor that will be outside. A water-based glue is used here and for the linoleum.

The siding for the camper is made from wood laminate that is glued with a two-part urethane. The siding is not glued onto the camper but is held in place by molding and putty. For wood cutting there is a panel saw, table saw, radial arm saw, and a pin router. These are connected to a dust collector outside. The hopper is enclosed. The air from the dust collector is circulated back inside the building. There is an upstairs area but currently not used very much.

The rest of the process is assembly for putting in cabinets, countertops, sinks, plumbing, electrical, cushions, and fabric.

**CNC Building-** this is a separate building primarily for cutting and finishing woodwork used inside the trailers. There is a CNC router and other routers, drills, and a belt sander. These are connected to an outside dust collector. Wood work comes into the plant mostly finished but needs to be finished on the edges. Dinette rails are also finished. There is a spray booth here to finish the wood work. About 2 gallons per month of coating is used. The spray booth has filters and emits outside.

**Travel Trailer Building-** this is a separate building used to make Clipper travel trailers. The frames come in already assembled and painted. The axles are put on here. The linoleum is put on with an adhesive. Some lumber is cut here for framing. There are three portable dust collectors for saws. The outside panels are aluminum which is already finished but is cut with hand saws for fitting in the side panels. Insulation is glued on with a spray adhesive. There is an adhesive for the rubber roof. Putty tape and foam are used for assembly.

There is a lamination area to make wood laminate. A urethane adhesive (Swift Bond) is applied to one side of a sheet of wood and then another sheet of wood is placed over this. It is then put in a bag under vacuum for several hours to provide pressure and for curing. The Swift Bond comes in a tote. The Swift Bond goes into a 55 gallon heated drum before it is applied. This is an MDI polymer product and there are no emissions from this.

A record keeping sheet for 2013 was supplied. Each material used such as adhesives, enamel, or isopropyl alcohol, etc., is on the sheet for each month. This shows the gallons used per month and VOC emissions per month. February, 2013, was the highest month for VOC emissions at 766.9 pounds. Total emissions of VOC for 2013 were 2.7 tons. Mr. Bill MacDonald is currently revising the record keeping so that there are formal emission units that will meet either Rule 287 or Rule 290. As it is now the usage amounts meet these two exemptions.

It appears that all processes are exempt from needing an air use permit.

NAME Dennis Dunlap

DATE 3/4/14

SUPERVISOR MA 3/4/2014