

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

U25180672945733

FACILITY: Fernco		SRN / ID: U251806729
LOCATION: 1445 Enterprise Dr., Davison		DISTRICT: Lansing
CITY: Davison		COUNTY: GENESEE
CONTACT: Roger Redmond , Corporate Quality and Safety Manager		ACTIVITY DATE: 07/24/2018
STAFF: Samantha Braman	COMPLIANCE STATUS: Compliance	SOURCE CLASS:
SUBJECT: Self-initiated inspection of Fernco's new facility.		
RESOLVED COMPLAINTS:		

Purpose: Unannounced, self-initiated inspection of new facility location.

Location: The new Fernco facility on Enterprise Dr. is in a slight industrial and residential area. Closest residence to the facility is 500 feet. (See map attached.)

Facility Background/Regulatory Overview: Fernco operates on one shift, five days per week. Their main operations consist of injection molding of plastic couplings and seals.

Fernco of Davison is considered a minor source of air emissions.

A *major source* has the potential to emit (PTE) of 100 tons per year (TPY) or more, of one of the criteria pollutants. *Criteria pollutants* are those for which a National Ambient Air Quality Standard exists, and include carbon monoxide, nitrogen oxides, sulfur dioxide, volatile organic compounds (VOCs), lead, particulate matter smaller than 10 microns, and particulate matter smaller than 2.5 microns. It is also considered a minor area source for Hazardous Air Pollutants (HAPs), because it was not considered to have a PTE of 10 TPY or more for a single HAP, nor to have PTE of 25 TPY or more for combined HAPs.

Fee Status: This facility does not belong to a category fee and is not required to report to MAERs.

Inspection:

Arrived: 12:55 PM

Departed: 3:00 PM

Weather 75°F, wind SW at <5 MPH

Brad Myott and I were notified by the operator on the guest telephone in the lobby that Roger Redmond, Corporate Quality and Safety Manager, was not housed at this facility, but at the new Enterprise Drive location. Once she was able to reach Roger, he met us at the Dayton Street location to take us on a tour of the facility. We learned that after the construction of the Enterprise Drive location they are approximately 1-2 years out from a complete transition to the new facility. The Dayton Street facility will soon be just office space. Roger showed us around what is left of the plant on Dayton Street and showed us around the new facility down the road. Currently, it appears as if there is only exempt equipment at the Enterprise location. Roger also notified us that he plans on retiring in a few years.

No.	Emission Unit or Flexible Group	Description	Permit Number or Exemption	Comp. Status
1	Horizontal Injectors	18 horizontal injectors.	Exempt 286(b)	
2	Vertical Injectors	Two Magna 280 vertical injectors.	Exempt 286(b)	C
3	Storage Silos	Four 78,000 lb silos.	Exempt 286(b)	C

Curing Ovens: There are two new curing ovens, installed in 2017 and 2018. Liquid PVC (plastisol) is poured into open molds of varying sizes for specialty orders only. The ovens only put out about 250-300 pieces in a day, which is about ¼ of the plastisol they used to use. Ovens are operated at 360°. They are currently housed at the Dayton St. facility, but will be relocated to the Enterprise facility within the next few years. These ovens appear to be exempt under 286(b).

EU 1 & 2: There are two electric vertical injectors. These are currently at the Dayton facility, and were not up and running yet. Will operating at the Dayton facility for a couple years, and then will be transferred to the new location on Enterprise Drive in a year or two. These two injectors are to replace the four smaller injectors which will be scrapped once the two are up and running. At the Enterprise location there are currently 18 horizontal injectors in use. They all use PVC pellets. This equipment is exempt under 286(b).

EU 3: There are four 78,000 lb. silos in use at the Enterprise Dr. location which are used to store the PVC pellets.

Recordkeeping: There are no recordkeeping requirements associated with this permit. Roger gave us the SDS for the Plastisol, as well as the purchase orders.

Concerns Noted: When curing ovens are transferred to Enterprise Drive facility, it is recommended that Fernco put in some sort filter or other control device to capture any smoke being released out of the curing oven vents to mitigate visible emissions (VE) and odors.

Previous Inspections:

None

Summary: Facility appeared to be in compliance with all applicable state air regulations. No violations were noted during this inspection.

NAME Sarah Brennan

DATE 8/24/18

SUPERVISOR B.M.