

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

B711737320

FACILITY: Gavilon Grain LLC		SRN / ID: B7117
LOCATION: 3274 CARROLLTON RD, CARROLLTON		DISTRICT: Saginaw Bay
CITY: CARROLLTON		COUNTY: SAGINAW
CONTACT: Peter Jones , Superintendent		ACTIVITY DATE: 10/25/2016
STAFF: Gina McCann	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MINOR
SUBJECT: Scheduled inspection of PTI #124-14 and PTI #94-80.		
RESOLVED COMPLAINTS:		

I (glm) completed a scheduled inspection of Gavilon Grain, LLC on October 25, 2016. I met with Peter Jones, Superintendent, Gavilon Grain, LLC. We toured the facility and all associated emission units. An inspection follow up email was sent on October 25, 2016 regarding NSPS DD applicability and the affected facilities. At the time of the inspection the facility appeared to be in compliance with PTIs #124-14, 94-80, NSPS DD and applicable state air quality regulations.

Facility Description

The facility is a grain terminal elevator located in Carrollton, Michigan along the Saginaw River, with a permanent storage capacity of 2,832,400 million bushels. The facility is in an area with mixed zoning. Along the river front is generally zoned commercial and/or industrial and properties adjacent to the riverfront are zoned residential. They are an opt-out source for PM.

Throughout the years AQD has received varying complaints from residence regarding "bees wings" or the chafe from corn kernels. Review of the complaint file for the last five years shows one in 2016, two in 2015, zero in 2014, zero in 2013 and one complaint in 2012.

The facility received a complaint regarding "bees wings" on October 12, 2016. Samples were taken from the resident's boat and analyzed microscopically by the City of Grand Rapids. Results are attached.

PTI #124-14**EU-GALLERYBELT**

The gallery belt grain handling system is controlled a baghouse. Special condition I.2., requires the facility to comply with a visible emission, six-minute average of 0 percent opacity on the gallery belt grain handling system. The gallery belt system is enclosed and at the time of the inspection there was no visible opacity.

EU-BASEMENTBELT

The basement belt grain handling system is controlled by a baghouse. The basement belt system only runs when loading a train or if the product is being transferred. Special condition I.2., requires the facility to comply with a visible emission, six-minute average of 0 percent opacity on the basement belt grain handling system. The basement belt system is enclosed and at the time of the inspection there was no visible opacity.

EU-TRKREC/UNLOAD

There are three loadouts for the train one of which can also unload trucks. There are three dump pits for truck unloading. The truck receiving/unloading grain handling system is controlled by a baghouse. The baghouse receives quarterly inspections which include visually inspecting bags, fans, air locks, etc. The facility maintains inspection records.

All loadouts are subject to the NSPS DD for grain elevators. Attached is a spreadsheet of NSPS DD applicability to affected facilities. Initial performance test records were not received. The facility states the records are beyond the 5 year record retention requirement. Yet, there is a stack test from 1993 available for the baghouse system for the bin top dust system.

At the time of the inspection the pressure differential on the magnehics was 5.0 inches of water column (" W.C.). Readings are taken at least once per day. Mr. Jones said the normal pressure differential operating range of the truck receiving is between 4.0-5.0 " W.C.

At the time of the inspection I viewed several trucks unloading. Trucks pull through the bay and unload in dump pits. The door at the end of the bay closes as the truck noses out the one end. I did not perform a certified VE reading, though the opacity was limited and appeared to be below the 5% limit in special condition I.3.

The facility maintains a written log of the number of grain trucks dumped daily. The following table is a copy of the most recent logs.

Date	Number of grain trucks dumped
10/24/2016	64
10/23/2016	96
10/22/2016	110

The facility maintains a fugitive dust plan in PTI # 124-14. On July 19, 2016 they received 630 gallons of calcium chloride, which was applied to the unpaved areas of the yard. They do not own a vacuum type sweeper as the plan suggests, however they do push broom the yard frequently. The yard appeared to be maintained.

PTI #94-80

This permit is for a Berico dryer. This permit is vintage and has minimal requirements. Special condition 12 restricted visible opacity from the dryer to 0% opacity. At the time of the inspection, the facility appeared to be in compliance with the requirements of this condition. Additionally, the site maintains a maintenance log for the equipment.

NAME

John L. McCann

DATE

11/21/2016

SUPERVISOR

C. Akre