

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

P032535726

<b>FACILITY:</b> Providence Agriculture		<b>SRN / ID:</b> P0325
<b>LOCATION:</b> 11784 LYTLE ROAD, LENNON		<b>DISTRICT:</b> Lansing
<b>CITY:</b> LENNON		<b>COUNTY:</b> SHIAWASSEE
<b>CONTACT:</b> Tony Crist , Manager		<b>ACTIVITY DATE:</b> 07/26/2016
<b>STAFF:</b> Julie Brunner	<b>COMPLIANCE STATUS:</b> Compliance	<b>SOURCE CLASS:</b> MINOR
<b>SUBJECT:</b> Self-Initiated inspection of fertilizer operation (PTI 38-12)		
<b>RESOLVED COMPLAINTS:</b>		

On July 26, 2016, I conducted a self-initiated inspection of Providence Agriculture (P0325) located at 11784 Lytle Road in Lennon. This was in coordination with a scheduled inspection of Morning Star – Lennon Elevator (B4997). The last AQD inspection of this facility was on July 14, 2015.

Facility Contacts:

Mr. Tony Crist, Providence Ag Manager, 810-621-3945, [tony.crist@providenceaq.com](mailto:tony.crist@providenceaq.com)  
Mr. Dave Smith, Providence Ag, 810-621-3945, [dave.smith@providenceaq.com](mailto:dave.smith@providenceaq.com)

Facility Description:

Providence Agriculture is a fertilizer (mixing only) manufacturer that shares office space with Morning Star – Lennon Elevator. The fertilizer operation is located across the street from the grain terminal elevator. Former names/owners for the fertilizer business include Aurora Agronomy, Fuzion Ag, and Crist Family Storage.

Providence Ag is located off the downtown of Lennon in a mixed use commercial/residential area. Residential housing is located along the fence line of the facility to the east, and west of the facility.

The facility is a minor source of any regulated air contaminants including hazardous air pollutants (HAPs) and not subject to the Title V Renewable Operating Permit (ROP) program.

Active Air Use Permits to Install (PTI) 38-12 -

<b>Emission Unit (EU) ID</b>	<b>EU Description (Process Equipment &amp; Control Devices)</b>
<b>EUFERTILIZER</b>	<b>Dry fertilizer blending operation consisting of a 10 ton Adams vertical blender with loading hopper, 30 foot covered discharge conveyor with a fixed discharge. All fertilizer ingredients are stored in an enclosed building and fed into the hopper with a front-end loader.</b>

Michigan Air Emissions Reporting System (MAERS):

The facility does not report emission information to MAERS.

Inspection:

I arrived at 9:32 AM. Weather conditions were 75°F and sunny with no wind. I detected no odors around the facility. There were no visible emissions from the operations.

A pre-inspection meeting was conducted with Mr. Dave Smith (Providence Ag) and Mr. Rob Stowenburg (Morning Star – Lennon Elevator). (Mr. Tony Crist was on vacation and not available.) I gave a brief overview of the inspection process and provided an "Environmental Inspections" brochure.

The facility operations were discussed. This is not the busy time for fertilizer. They are busy from April to July

and at the end of September. Current operating hours are 8:00 AM to 4:00 PM. The facility does not have any boilers or emergency generators. A facility tour was then taken.

The dry blending fertilizer operation is covered on PTI 38-12. The fertilizer is in pelletized or granular form, and is stored in enclosed garages. The fertilizer is mixed/blended according to customer needs. The fertilizer ingredients include potash (potassium chloride), MAPP (monoammonium phosphate), ammonium sulfate, pelletized urea, and lime. The storage capacity of the garages is around 600 to 700 tons of materials.

The doors of the garages were mainly closed and one that was open had a granular material in it. The concrete pad that the enclosed garages and mixers sit on was clean of material, debris, and dust. Two mixer blenders were located on either side of the garages, an 8 ton and 10 ton. The dry materials are transferred from the storage garages to the mixers by front end loader. The blended fertilizer is transferred from the mixer to trucks via a covered conveyor with a fixed drop point. The mixers were not operating during the inspection.

The facility is required to have a fugitive dust plan. The gravel driveways are treated with calcium chloride twice a year or more depending, during the busy season. There is a privacy fence between the garages and the nearest residence that the facility helps maintain. There have been fugitive dust complaints in the past but with the issuance of the permit to help address this issue, there have not been any recent complaints.

Departure:

I departed the facility at 10:32 AM after discussing my observations with Dave (and Rob).

Records:

Providence Ag processed 7,675 tons of fertilizer for the period July 1, 2015 thru July 1, 2016 below the permit limit of 20,000 tons per 12-months.

Summary:

The facility appeared to be in compliance with all applicable rules and regulations, and with PTI 38-12.

NAME Julie L. Brown DATE 7/28/16 SUPERVISOR S.M.