

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

B792640215

FACILITY: Crop Production Services		SRN / ID: B7926
LOCATION: 25479 PRAIRIE CORNERS, MENDON		DISTRICT: Kalamazoo
CITY: MENDON		COUNTY: SAINT JOSEPH
CONTACT: Sandy Spence , Assistant Manager		ACTIVITY DATE: 06/13/2017
STAFF: Dennis Dunlap	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MINOR
SUBJECT: Scheduled inspection.		
RESOLVED COMPLAINTS:		

This was not an announced inspection. Dennis Dunlap was the inspector for AQD. Willard Heath and Sandy Spence (Assistant Manager) were the contacts for Crop Production Services (CPS).

The facility has three 18,000 gallon anhydrous ammonia tanks. The oldest tank is on the east side and was installed in 1966 and is grandfathered. The other two tanks were installed under permits 720-86 and 735-81. These two permits have identical special conditions.

The facility has written approval from Nottawa Township (Special Condition (SC) 11.) and follows ANSI procedures (SC 10). The facility has an operation and maintenance plan (SC 12.). An emergency plan is posted in all the buildings. Emergency procedures have been discussed with the local fire dept. (SC 24).

Safety relief valves are at the top each ammonia tank. These were replaced in Dec., 2012. These are required to be replaced, retested and recertified every five years (SC 13).

There is a remotely operated shut-off valve (SC 14). The facility has bulkheads with predictable break away points (SC 15).

The facility has back flow valves on the main container side and excess flow valves for nurse tank loading areas (SC 16). The hoses used for filling nurse tanks are less than 25 feet in length (SC 17).

The hoses used to fill the nurse tanks were replaced in Dec. 2012, and will need to be replaced every five years (SC 18). The four hoses used to fill the main tanks are replaced by the truck company that fills the main tanks. Three of these hoses were up to date. However, one of the hoses was stamped "2009". The facility contacts said that they would let the truck company know to replace the hose right away.

Properly trained staff are present at deliveries and transfer operations (SC 19).

Nurse tank filling occurs at two filling stations utilizing the main storage tank. (SC 20).

Nurse tanks and the main containers are not filled beyond 85% water capacity (SC 21). For nurse tanks there are float gauges and bleed valves.

There are three bulk containers filled with water that are used as water traps. One of these is for the bulk tank and there is one for each of the nurse tank filling stations (SC 22).

The three main containers meet the isolation distances. It appears that the nurse and applicator tank storage meet the isolation distance of less than 50 feet from the property lines (SC 23).

The emergency plan has the number for the MI Pollution Emergency Alert System (SC 25).

The facility has a sign with emergency numbers that is posted at the facility entrance (SC 26). However, the sign was taken down during some recent construction. The facility contacts said that the sign would be put up again right away.

During the inspection nurse tanks were being filled as this is the busy season. There was a very faint ammonia odor at times during the filling of the nurse tanks. 75-100 nurse tanks may be filled in a day. All nurse tanks (about 80 in all) are owned by CPS. The nurse tanks hold about 2,000 pounds and this may cover about 20 acres. During the busy season a delivery to the main tanks may occur every 5 hours.

The nurse tanks are on a five-year inspection cycle, with a certain percentage inspected each fall. The inspection includes a pressure test at 375 pounds.

In the shop area there is Safety-Kleen-type degreaser. The lid was open, however, it was in use at the time. When not in use the lid needs to be closed.

NAME Dennis Dunlap

DATE 6/14/17

SUPERVISOR YMB 6/14/2017