

Re: Fulton County
Wauseon Field of Dreams
Construction
Storm Water

July 7, 2009

Mr. Larry Lammon
1270 North Shoop Avenue
Wauseon, Ohio 43567

Dear Mr. Lammon:

On June 25, 2009, I inspected the Wauseon Field of Dreams south of Linfoot Street, in Wauseon. The purpose of my visit was to evaluate compliance of the site with the National Pollutant Discharge Elimination System (NPDES) permit for storm water discharges associated with construction activity (Construction General Permit), Facility ID No. 2GC00494. The inspection was conducted under the provisions of Ohio's water pollution control statutes, Ohio Revised Code (ORC) Chapter 6111. Ohio EPA has no record of other permittees for this site. Mr. Jeremy Herman, of Miller Bros. Construction, was present to provide information on the project.

As a result of the inspection, I have the following comments:

1. At the time of inspection, the site was active. Initial ground work had just begun. Storm sewer was not yet installed. Silt fence had been installed around the perimeter of the site.
2. A Storm Water Pollution Prevention Plan (SWP3) had been developed for the site and was available. A general overview indicated some deficiencies, such as there was no mention of a sediment pond. A site of this size must include a sediment settling pond as the main sediment control. This information is a required component of the site's SWP3. *This is a violation of Part III.G. of the permit.*
3. Inspection logs were not yet available. I was told by Mr. Herman that work had just begun on June 22 at the site and therefore no logs had been done yet, but would begin on June 29. Inspections must be conducted weekly and within 24 hours of a 0.5" rainfall. I recommend installing a rain gauge on site to properly measure the amount of rainfall at the construction site. Inspections must include: disturbed areas, material storage areas, all sediment and erosion control measures, discharge locations, and all vehicle access points. Records must include: inspector name and qualifications, inspection date, observations, a certification that the facility is in compliance with the SWP3 and the permit, and identify any incidents of non-compliance. The record and certification must be signed in accordance with Part V.G. of the permit. *See Part III. G.2.i. of the permit.*
4. A proper construction entrance was needed on the entrance by the construction trailer, where vehicles had accessed the site. Tracking was evident onto the new roadway. This entrance needs to be redressed with new stone. *This is a violation of Part III.G.2.g.ii.*

5. Silt fence had been installed around the perimeter of the site. Due to drainage area size and topography, the primary sediment control required for this project was one or more sediment settling ponds, installed within 7 days of grubbing and prior to grading. None had been installed. More than 0.5 acre has been placed behind the southern line of silt fence. This exceeds the allowable drainage area for silt fence. *Permit Requires:* Sediment controls shall be functional throughout the course of earth disturbing activity. Structural practices shall be used on all sites remaining disturbed for more than 14 days. All sediment controls must be capable of ponding in order to be considered functional. Sediment basins and perimeter sediment barriers shall be implemented prior to grading and within seven days from the start of grubbing. Appropriate controls must be constructed or existing controls altered to address any changing drainage patterns. *This is a violation of Part III.G.2.d. and d. i. of the permit.*

Permit Requires: Concentrated runoff and runoff from drainage areas which exceed the design capacity of silt fence or inlet protection shall pass through a sediment settling pond. To qualify as a sediment settling pond, structures must meet the following specifications: A dewatering zone sized at 67 cubic yards per total contributing drainage acre; dewatering depth less than or equal to 5 feet (optimal depths are between 3 to 5 feet); for ponds serving 5 acres or more, the dewatering zone shall have a minimum 48 hr. drain time; a sediment storage zone sized at 1000 cubic feet per disturbed acre; and the distance between inlets and the outlet at least 2:1 length:width ratio. *This is a violation of Part III.G.2.d.ii. of the permit.*

Permit Requires: The maximum drainage area behind silt fence is:

Drainage Area for 100 Lineal Ft. of Silt Fence	Range of Slope
0.5 acres	<2%
0.25 acres	≥2% but <20%
0.125 acres	≥20% but <50%

Where the above criteria is exceeded, a diversion which directs runoff to a sediment settling pond is indicated. *This is a violation of Parts III.G.2.d. iii. of your permit.*

One or more sediment settling ponds must be constructed to lessen the impact of sediment laden runoff. Diversion berms or trenches may be required to convey runoff to the basin(s).

6. The silt fence was not entrenched along all sides of the property. The silt fence must be entrenched 4-6 inches. This is an installation error. *This is a violation of Part III.G.2.h. of the permit.*
7. I observed sagging filter fabric in several locations on all sides of the property. *Permit Requires:* All control practices shall be maintained and repaired as needed to assure continued performance of their intended function. *This is a violation of Part III.G.2.h. of the permit.* For more information on the correct installation and maintenance techniques for these practices, please see the *Rainwater and Land Development Manual*.

Within 10 days of the date on this letter, please submit to this office **written notification** as to the actions taken or proposed to prevent any future violations. Your response should include the dates, either actual or proposed, for the completion of the actions as well as a current copy of the site's Storm Water Pollution Prevention Plan (SWP3), including completed inspection logs. Your SWP3 must fulfill all of the requirements of Part III.G. of your permit. For sediment settling basins used during construction, please include: calculations of the required sediment settling volume; the elevation at which this volume is achieved; what the pond's surface area is at this elevation; and calculations demonstrating how the outlet orifice sizing and placement insure the required volume is released over 48 to 72 hours. For each post construction control, please show: the calculations of the Water Quality Volume (WQv), a detail drawing of the structure with relevant elevations, stage-storage tables, and release rate calculations. Offsite drainage must be included when sizing the structure. Runoff coefficients must be based on those contained in Table 1 the permit. If a weighted runoff coefficient is being used, include supporting calculations. The SWP3 must address how the Post-Construction requirement will be met for all disturbed areas. If there are any questions, please contact me at (419) 373-3006.

Sincerely,

Danielle Meienburg
Division of Surface Water
Storm Water Program

pc NWDO File
Dennis Richardson, City of Wauseon, 230 Clinton Street, Wauseon, Ohio 43567

Jeremy Herman, Miller Bros. Construction, 1613 S. Defiance St., Archbold, Ohio 43502