



**Environmental
Protection Agency**

Ted Strickland, Governor
Lee Fisher, Lt. Governor
Chris Korleski, Director

Re: Lucas County
The Hamptons at Fallen Timbers
Construction
Storm Water

December 1, 2010

Stitt Road Development
1645 Indian Wood Circle
Maumee, Ohio 43537

Dear Sir or Madam:

On November 4, 2010, I inspected the Hamptons at Fallen Timbers subdivision. The subdivision is located off the south side of Stitt Road, west of Waterville-Monclova Road, Monclova Township. The purpose of the 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, Facility ID No. 2GC01777. 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 project.

1. Due to the absence of personnel or a construction trailer, the Storm Water Pollution Prevention Plan (SWP3) and inspection logs were not available for review.
2. At the time of inspection, roads and utilities had been installed. A home had been constructed at 5749 Hamptons Drive but the remainder of the lots were empty. The right of way along the streets had grass, but cover was sparse in some areas. Vegetative growth must be reassessed in the spring and may require reseeding/repair to establish a thick enough density of vegetation to prevent erosion. The ground above the stone banks of the retention pond also requires reseeding, especially on the northwest side. Lot 2 was bare and small soil stockpiles were present behind 5749 Hamptons Drive. The permit requires that: "Portions of the construction site which will be inactive for more than 21 days must have temporary stabilization initiated within the first seven. Temporary stabilization is required prior to the onset of winter weather for ground that will be idle over winter. Permanent stabilization is required within 7 days on any portion of the site that has reached final grade or will be idle for longer than 1 year. In addition, disturbed areas in residential subdivisions must be stabilized at least 7 days prior to transfer of permit coverage for the individual lot(s). Permanent seeding and mulching is required before construction activity is completed throughout the entire site. If seasonal conditions prohibit the establishment of vegetative cover, other means, such as mulching and matting, must still be used and maintained until more permanent methods can be implemented. Please see Part III.G.2.b.i. of the permit." I recommend applying at least temporary stabilization to the stockpiles and bare areas around 5749 Hamptons Drive.

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3. Sediment tracking onto the road was observed south of 5749 Hamptons Drive. *The lack of a stable construction entrance is a violation of Part III.G.2.d.iv. of the permit.*
4. Inlet protection was in place in some locations. However, even where it existed, the inlet protection had sometimes been installed incorrectly (wrapping the grates with filter fabric) or was in disrepair (frayed fabric). For details on proper installation and maintenance, please refer to the *Rainwater and Land Development: Ohio's Standards for Storm Water Management, Land Development, and Urban Stream Protection* prepared by Dan Mecklenburg. A copy of this Manual may be obtained at <http://www.dnr.state.oh.us/soilandwater/water/rainwater/default.htm>

Inlet protection is only required when areas do not drain to a sediment settling pond. A sediment pond was required to be installed before grading the site. Without reviewing the site's plans, I cannot verify that the retention pond present on the south end of the site meets the permit requirements for a sediment settling pond. Please be aware that the design criteria often differs between sediment settling ponds, which are required during construction, and post-construction storm water management ponds, which are required to be in place after the site has reached final stabilization. The differences in design criteria may result in differences in structure volume, outlet sizes and outlet elevations. When this is the case, it must be emphasized to contractors not to install the post-construction storm water practice until all earth-disturbing activities have been completed and a 70% density of perennial vegetative cover has been achieved in the drainage area tributary to the structure. *Please see Part III.G.2.d.iv. (inlet protection) and Part III.G.2.d.ii (sediment settling ponds) of the permit.* Within 10 days of the date on this letter, please submit verification from your storm water professional that the pond's current design meets the permit requirements for a sediment settling pond. If the pond does not currently meet the design criteria of a sediment settling pond, proper inlet protection must be used on storm sewers down gradient from construction activities.

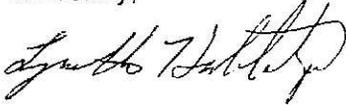
5. Without reviewing the SWP3, I can not verify if post construction storm water management requirements of the permit will be met. Under the conditions of the permit, the subdivision is required to have one or more of the permanent structural post-construction Best Management Practices (BMPs) listed in Table 2 of the permit to treat the water quality volume (WQv) and ensure compliance with Ohio's Water Quality Standards listed in Ohio Administrative Code 3745-1. An additional volume equal to 20% of the WQv is to be incorporated into the BMP for sediment storage and/or reduced infiltration capacity. Drain times must meet those in Table 2 of the permit.

Please submit information demonstrating how the post-construction storm water management requirement will be met within 10 days of the date on this letter. Your reply should include a statement about the type(s) of BMPs implemented, a site map showing the location of each practice, a delineation of its tributary drainage area and its size, and the basis for its design. For each control include: the calculations of the Water Quality Volume (WQv), a detail drawing of the structure with relevant elevations, stage-storage tables, and release rate calculations. Runoff coefficients must be based on those contained in Table 1 of the permit. If a weighted runoff coefficient is being used, include supporting calculations. Your reply must address how the Post-Construction requirement will be met for all disturbed areas.

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If there are any questions, please contact me at (419) 373-3009.

Sincerely,



Lynette Hablitzel, P.E.
Division of Surface Water
Storm Water Program

/cs

pc: DSW, NWDO File
Brian Miller, P.E., Assistant Drainage Engineer, Lucas County Engineer
Jeff Grabarkiewicz, Lucas SWCD
Eric Wagner, Monclova Township

