Ohio | Environmental Protection Agency

John R. Kasich, Governor
Mary Taylor, Lt. Governor
Scott J. Nally, Director

June 28, 2011

RE: WAYNE COUNTY
CITY OF WOOSTER
TARTAN RIDGE SUBDIVISION
CONSTRUCTION STORM WATER

Mr. Gerald Swartzentruber
MSB Real Estates LLC
P.O. Box 16
Kidron, OH 44636

Dear Mr. Swartzentruber:

On June 9, 2011, I, along with Roger Kobilarcski and Dave Case of the City of Wooster, performed an inspection at the above-referenced site to determine compliance with the Ohio EPA General Storm Water National Pollutant Discharge Elimination System (NPDES) Permit for Construction Activities #3GC04948*AG. Our records indicate that MSB Real Estates LLC was granted coverage under the NPDES permit on June 8, 2010.

During my inspection, I documented the following deficiencies:

1. The silt fence needs maintenance or is not used where necessary (Figure 1). At the front of the site, where the new development begins, the silt fence is not properly attached to its supporting posts (Figures 2). In other areas, individual pieces of silt fence are not wound together to prevent any breaches in the material (Figure 3). Near Sediment Basin B, silt fence is missing. Please install silt fence along the outer boundaries of all disturbed areas and around the base of the dirt stockpile (Figure 4).

2. Overall, the site lacks stabilization (Figures 5 and 6). For all areas that will not be disturbed within the next 21 days, you must implement temporary seeding and mulching within seven days of the last earth disturbance. In addition, you must temporarily stabilize the dirt stockpile with vegetation. Please monitor all newly-seeded areas to ensure that the vegetation takes root and begins to grow. If this does not occur within a reasonable amount of time, you must put new seed and mulch in these areas until the vegetation fills in appropriately.

3. The diversions and the banks of the sediment basins lack vegetation (Figure 7). In order to prevent further erosion in these areas, please stabilize the bed of each diversion, as well as the areas surrounding the sediment basins.

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4. When seeding areas in the future, please use a mix that contains more grass. Although the rye that is currently being used has grown in well, it does not have the same filtration capacity as thicker grasses, and its roots are sparse.

5. The inlet protection that is present onsite is not an appropriate sediment control measure (Figures 8). The sand bags do not effectively prevent the flow of sediment into the storm drains (Figure 9). You must install inlet protection per the guidelines given in the *Rainwater and Land Development Manual* (Ohio Department of Natural Resources, 2006), available on-line at http://www.dnr.state.oh.us/tabid/9186/default.aspx.

6. The rock construction entrances that lead from the paved roadways to the unpaved construction areas need maintenance (Figures 10). Please install new gravel or clean the existing gravel so that these entrances will effectively prevent off-site tracking of sediment. In addition, please clean the streets in these areas to remove any sediment that has been tracked onto the roadways.

7. Sediment has built up in the basins, causing sediment-laden water to discharge from these treatment practices (Figure 11). Please clean out all sediment basins when they become full to ensure that they contain the appropriate sediment storage volume. Also, please install rip-rap around any inlet pipes that carry water to these basins. This will prevent further erosion along the banks of the basins.

8. At the outlet to Sediment Basin C, significant erosion is occurring (Figure 12). As a result, the treated water from the basin is traveling over bare dirt, causing it to pick up more sediment before it discharges into the ravine. Please install rip-rap around the outlet pipe, place rock in the bed of the channel, and build rock-check dams along the rest of the channel to the point where the water will no longer come in contact with bare dirt.

9. An erosion gulley has formed along the hill that leads from the paved roadway to the dirt stockpile in the rear of the property (Figure 13). In order to prevent storm water from picking up speed and causing further erosion as it travels along this drive, please either seed and mulch this area to stabilize the bare dirt or install a rock construction drive along this incline.

Please provide me with a letter of response indicating the actions you will take to address the deficiencies noted above. Your response, along with any amendments to the Storm Water Pollution Prevention Plan (SWP3), must be submitted to the Ohio EPA **no later than July 7, 2011**. If corrective actions are not completed by this date, please

include a schedule that outlines when action will be taken. It is Ohio EPA's expectation that all of these deficiencies will be addressed within 10 days of receipt of this letter.

Finally, please fax a copy of your most recent storm water inspection report to my attention at (330) 487-0769 or via e-mail at michelle.hummel@epa.state.oh.us. The NPDES permit requires you to inspect all storm water best management practices once every 7 days and within 24 hours of a 0.5-inch or greater rainfall. The results of these inspections must be documented as indicated in Part III.G.2.i of the NPDES permit.

If you have any questions regarding this matter, please contact me at your earliest convenience at (330) 963-1128.

Sincerely,

Michelle Hummel

Michelle Hummel
Assistant to the District Engineer
Division of Surface Water

MH/mt

cc: Joel Montgomery, Engineer and MS4 Program Manager, City of Wooster
Robert Breneman, Mayor, City of Wooster

ec: Dan Bogoevski, Ohio EPA, NEDO, DSW

Tartan Ridge Subdivision
City of Wooster Wayne County

Photos Taken: June 9, 2011
By: Michelle Hummel, DSW, NEDO

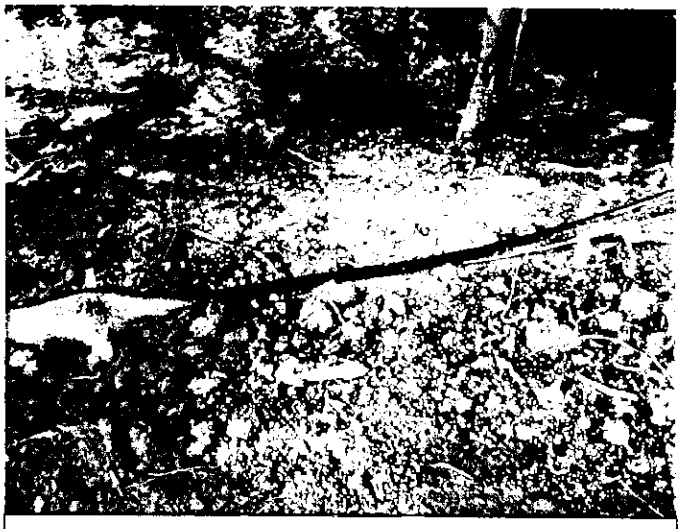

Figure 1 – Sediment has built up along the silt fence and needs to be removed.

Figure 2 – The silt fence is not properly attached to its supporting posts.

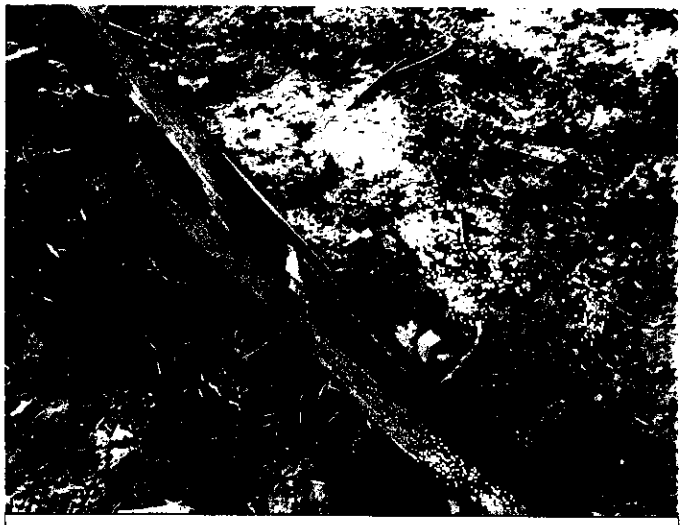

Figure 3 – Individual pieces of silt fence are not wound together appropriately.

Figure 4 – Silt fence should be installed around the dirt stockpile.

Figure 5 – The site lacks stabilization.

Figure 6 – All bare areas should be seeded and

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Figure 7 – The banks of the sediment basins lack vegetation.

Figure 8 – Sediment is escaping under the sand bags.

Figure 9 – Sediment-laden water can be seen in the storm drain.

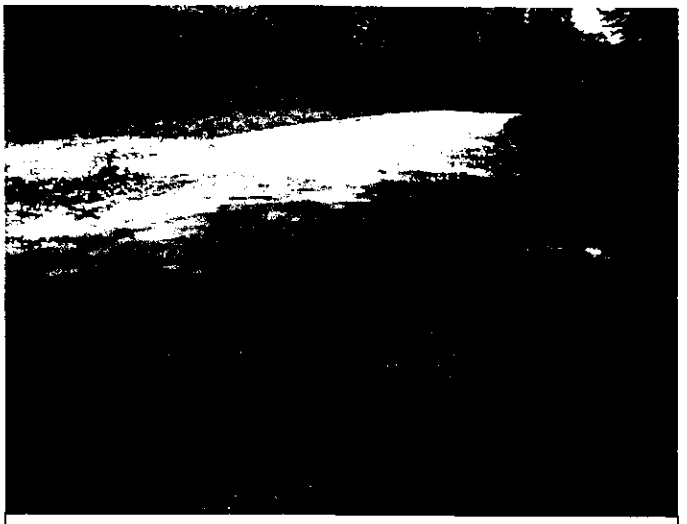

Figure 10 – Additional gravel is needed on the rock construction entrances.

Figure 11 – Sediment-laden water is being

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Figure 12 – The outlet to Sediment Basin C has eroded a channel through the bare dirt.

Figure 13 – An erosion gulley has formed along the incline to the area with the dirt stockpile.