



**Environmental
Protection Agency**

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

August 14, 2012

RE: CUYAHOGA COUNTY
CITY OF WESTLAKE
WESTLAKE HIGH SCHOOL
CONSTRUCTION STORM WATER
PERMIT # 3GC05330

Mr. Dave Puffer
Westlake Board of Education
27200 Hilliard Boulevard
Westlake, OH 44145

Mr. Frank Jaram
Site Tech Inc.
35700 Royalton Road
Grafton, OH 44044

Dear Mr. Puffer and Mr. Jaram

On June 12, 2012, I performed a compliance inspection for storm water best management practices (BMPs) at the above referenced site. I was accompanied by Kelly McVay of our Division of Surface Water. While on site, I met with the following representatives of Turner Resource: Jeff Johnson, Superintendent of the site, Mark Zuk, Assistant Superintendent, and Robert Teitenberg, Sr. Project Manager. Our records indicate that the Westlake Board of Education has obtained coverage under the Ohio EPA General Storm Water National Pollutant Discharge Elimination System (NPDES) Permit for Construction Activities #3GC05330*AG.

After review of the site and Storm Water Pollution Prevention Plan (SWP3), I noted the following violations of the NPDES permit:

Controls During Construction

1. The silt fence has holes in a few places. The joints of the fence need to be connected by twisting the stakes together prior to staking, not overlapping them. In addition, silt fence requires maintenance in a crucial part by wetlands (Fig 2).
2. The area behind the baseball diamond is bare and idle. Because this area is not likely to be reworked within 21 days of last disturbance, it is subject to temporary stabilization requirements of the NPDES permit. Because this area is scheduled to be graveled, we suggested that the area be graveled at this time to achieve stabilization.
3. The stockpile has been stabilized, but not to 70% growth density. Measures must be taken to ensure vegetation establishes. Because of this hot, dry weather, grass may need to be watered. If it still does not grow, another round of seeding needs to take place or soil amendments may be required. Stabilization is also required around the sediment basin.
4. A skimmer has been installed on the outlet of the stormwater management pond to establish a sediment basin for this site. However, we noted that a guide post with wire has not been provided. We recommend that this feature be added to ensure the skimmer remains in place (see enclosed specifications on Sediment Basins found in *Rainwater and Land Development, Ohio's Standards for Stormwater Management*,

Land Development and Urban Stream Protection (Ohio Department of Natural Resources, 2006).

5. The waste dumpster did not have a cover or lid. A tarp or other such cover should be provided to minimize storm water contact with solid waste and the formation of leachates.
6. The contractor has installed concrete washout pit. however, we noted that some of the concrete washings are not making it into the washout pit. Please provide direction to concrete delivery drivers on proper washout procedures and implement good housekeeping to clean up any spills that may occur accidentally.
7. We also noted some concerns with the mortar mix area. Please refer to the enclosed copy of my e-mail correspondence with Mark Zuk on June 14, 2012 regarding this matter.

Post-Construction Runoff Issue

8. The outlet of the stormwater management basin discharges directly to the protected wetlands. A level spreader has not been provided to diffuse runoff before it discharges to these wetlands as required by Part III.G.2.f of the NPDES permit. Please amend the SWP3 and reconstruct the basin outlet as needed to comply with this requirement. See enclosed specifications for level spreaders found in *Rainwater and Land Development, Ohio's Standards for Stormwater Management, Land Development and Urban Stream Protection* (Ohio Department of Natural Resources, 2006).

You are directed to provide Dan Bogoevski with a letter of response indicating the actions that you have taken or will take to address the deficiencies noted above. Include any amendments to the SWP3 with your response. Your response must be received **no later than August 28, 2012**. Failure to comply with the NPDES permit is a violation of Ohio Revised Code 6111.04 and 6111.07 and is punishable by fines.

If you have any questions, please contact Dan Bogoevski, District Engineer for Ohio EPA's Division of Surface Water at (330) 963-1145 or by e-mail at Dan.Bogoevski@epa.state.oh.us

Sincerely,



Katie Bowman
Assistant to the District Engineer
Division of Surface Water

KB/cs

cc: Robert Kelly, City Engineer, Westlake
Dennis M. Clough, Mayor, City of Westlake
Jeff Johnson, Project Superintendent, Bryan Hocevar, Superintendent, Robert Teitenberg, Superintendent; Turner Resources

Attachments: Photos, *Rainwater and Land Development* pages, E-mail correspondence

INSPECTION PHOTOS

Westlake High School



Figure 1: Outlet to the wetlands. No level spreader has been provided.



Figure 2: Silt fence is down along the wetlands.



Figures 3&4: Areas of the sediment basin where seed needs to be planted.



Figure 5: Skimmer in the sediment basin



Figures 6&7: Silt fence has fallen into disrepair



Figure 8: Dumpster needs to be covered



Figure 9: Concrete is missing the concrete washout pit



Figure 10: Mortar mixing and dumping area