



State of Ohio Environmental Protection Agency

**Southeast District Office**

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Ted Strickland, Governor  
Lee Fisher, Lieutenant Governor  
Chris Korleski, Director

May 25, 2010

**Re:** Athens County  
Harmony Ridge Borrow Area  
Permit Number OGC01196\*AG  
Certified Mail 70073020000178849101

Trista Black  
J.B. Hayes Excavating  
758 W Union Street  
Athens, Ohio 45701

Sue Farleigh  
Farleigh's Hold Consulting, LLC  
7576 State Route 685  
Glouster, Ohio 45732

To whom it may concern:

On May 18, 2010, this office received your Storm Water Pollution Prevention Plan (SWP3) for review. The SWP3 must identify all potential pollutants that may reasonably be expected to affect the quality of storm water discharge from your site. These plans must meet the minimal requirements set forth in your National Pollution Discharge Elimination System (NPDES) permit to discharge storm water associated with construction activities. The erosion, sediment, and storm water management practices used to satisfy the conditions of this permit must meet the standards and specifications in the current edition of the Rainwater and Land Development manual. After reviewing your plans, I have the following comments:

1. Part III. C.1. of the permit states the SWP3 shall include the certification in Part V.H., be signed in accordance with Part V.G., and be retained on site during working hours.

**Please sign the certification portions of the SWP3.**

2. Part III.C.3 of the Permit States that the director or authorized representative may notify the permittee at any time that the SWP3 does not meet one or more of the minimum requirements of this part. Within 10 days after such notification from the director (or as otherwise provided in the notification) or authorized representative, the permittee shall make the required changes to the SWP3 and, if requested, shall submit to Ohio EPA the revised SWP3 or a written certification that the requested changes have been made.

**Submit an updated SWP3 within 10 days to me at this office.**

3. Part III. G. of the permit states operations that discharge storm water from construction activities are subject to the following requirements and the SWP3 shall include the following items:

**The following portions were lacking in your SWP3 or were not included at all. Please amend the plan to address these areas.**

Part III. G. h. The name and/or location of the immediate receiving stream or surface water(s) and the first subsequent named receiving water(s) and the aerial extent and description of wetlands or other special aquatic sites at or near the site which will be disturbed or which will receive discharges from disturbed areas of the project.

Part III. G. k. A copy of the permit requirements (attaching a copy of this permit is acceptable);

Part III. G. n. Site map showing:

Part III. G. n. i. Limits of earth-disturbing activity of the site including associated off-site borrow or spoil areas that are not addressed by a separate NOI and associated SWP3;

Part III. G. n. iii. Existing and proposed contours. A delineation of drainage watersheds expected during and after major grading activities as well as the size of each drainage watershed, in acres;

Part III. G. n. iv. Surface water locations including springs, wetlands, streams, lakes, water wells, etc., on or within 200 feet of the site, including the boundaries of wetlands or stream channels and first subsequent named receiving water(s) the permittee intends to fill or relocate for which the permittee is seeking approval from the Army Corps of Engineers and/or Ohio EPA;

Part III. G. n. vi. The location of all erosion and sediment control practices, including the location of areas likely to require temporary stabilization during the course of site development;

Part III. G. n. vii. Sediment and storm water management basins noting their sediment settling volume and contributing drainage area;

Part III. G. n. viii. Permanent storm water management practices to be used to control pollutants in storm water after construction operations have been completed.

Within ten (10) days of receipt of this letter, please submit to me at this office a notice of the measures you have taken or corrections you have made to address the deficiencies noted above in your plan. As stated above, all controls implemented at your site must meet the minimal standards of the Rainwater and Land Development manual. If you have any questions, please contact me at (740) 380-5277.

Sincerely,



Aaron Wolfe  
Storm Water Coordinator  
Division of Surface Water

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Part III. G. n. x. The location of designated construction entrances where the vehicles will access the construction site;

Part III. G. n. xi. The location of any in-stream activities including stream crossings;

4. Include tables like the ones found below on your site map.

**Table 1: Permanent Stabilization**

Area requiring permanent stabilization	Time frame to apply erosion controls
Any areas that will lie dormant for one year or more	Within seven days of the most recent disturbance
Any areas within 50 feet of a surface water of the State and at final grade	Within two days of reaching final grade
Any other areas at final grade	Within seven days of reaching final grade within that area

**Table 2: Temporary Stabilization**

Area requiring temporary stabilization	Time frame to apply erosion controls
Any disturbed areas within 50 feet of a surface water of the State and not at final grade	Within two days of the most recent disturbance if the area will remain idle for more than 21 days
For all construction activities, any disturbed areas that will be dormant for more than 21 days but less than one year, and not within 50 feet of a surface water of the State	Within seven days of the most recent disturbance within the area  For residential subdivisions, disturbed areas must be stabilized at least seven days prior to transfer of permit coverage for the individual lot(s).
Disturbed areas that will be idle over winter	Prior to the onset of winter weather

Where vegetative stabilization techniques may cause structural instability or are otherwise unobtainable, alternative stabilization techniques must be employed.

5. Part III.G.2.d.ii of the permit states that the sediment settling pond volume consists of both a dewatering zone and a sediment storage zone. The volume of the dewatering zone shall be a minimum of 1800 cubic feet (ft<sup>3</sup>) per acre of drainage (67 yd<sup>3</sup>/acre) with a minimum 48-hour drain time for sediment basins serving a drainage area over 5 acres. The volume of the sediment storage zone shall be calculated by one of the following methods: Method 1: The volume of the sediment storage zone shall be 1000 ft<sup>3</sup> per disturbed acre within the watershed of the basin. OR Method 2: The volume of the sediment storage zone shall be the volume necessary to store the sediment as calculated with RUSLE or a similar generally accepted erosion prediction model. The accumulated sediment shall be removed from the sediment storage zone once it's full. When determining the total contributing drainage area, off-site areas and areas which remain undisturbed by construction activity must be included unless runoff from these areas is diverted away from the sediment settling pond and is not co-mingled with sediment-laden runoff. The depth of the dewatering zone must be less than or equal to five feet. The configuration between inlets and the outlet of the basin must provide at least two units of length for each one unit of width (> 2:1 length:width ratio), however, a length to width ratio of 4:1 is recommended. When designing sediment settling ponds, the permittee must consider public safety, especially as it relates to children, as a design factor for the sediment basin and alternative sediment controls must be used where site limitations would preclude a safe design. The use of a combination of sediment and erosion control measures in order to achieve maximum pollutant removal is encouraged.

**The sediment pond located onsite appears to be of sufficient size. Please take the above requirements into account when sizing storm water ponds for compliance with this permit:**

**The copy of the SWP3 that was given to me for review did not include any site map. I know that some site map work had been completed for ODNR permitting requirements. Please put together a complete SWP3 utilizing any existing material you may have that may not be included in my SWP3 copy. Please ensure that the above requirements are met.**