



Pennsylvania Department of Environmental Protection

Lee Park, Suite 6010  
555 North Lane  
Conshohocken, PA 19428

August 20, 2003

Southeast Regional Office

Phone: 610-832-6130  
Fax: 610-832-6133

Mr. Robert Wideman  
Township Manager  
Hankin Tract Weatherstone WWTF  
P.O. Box 163  
2200 Flowing Springs Road  
Birchrunville, PA 19421

Re: West Vincent Township Weatherstone WWTF  
SEW 1501426 Amendment No. 1  
File Type: Permit  
West Vincent Township  
Chester County

Dear Mr. Wideman:

Your permit is enclosed.

You must comply with all Standard and Special Conditions attached to this Permit. Construction must be done in accordance with the permit application and all supporting documentation. Please review the permit conditions and the supporting documentation submitted with your application before starting construction.

Any person aggrieved by this action may appeal, pursuant to Section 4 of the Environmental Hearing Board Act, 35 P.S. Section 7514, and the Administrative Agency Law, 2 Pa. C.S. Chapter 5A, to the Environmental Hearing Board, Second Floor, Rachel Carson State Office Building, 400 Market Street, P.O. Box 8457, Harrisburg, PA 17105-8457, 717-787-3483. TDD users may contact the Board through the Pennsylvania Relay Service, 800-654-5984. Appeals must be filed with the Environmental Hearing Board within 30 days of receipt of written notice of this action unless the appropriate statute provides a different time period. Copies of the appeal form and the Board's rules of practice and procedure may be obtained from the Board. The appeal form and the Board's rules of practice and procedure are also available in braille or on audiotape from the Secretary to the Board at 717-787-483. This paragraph does not, in and of itself, create any right of appeal beyond that permitted by applicable statutes and decisional law.

**IF YOU WANT TO CHALLENGE THIS ACTION, YOUR APPEAL MUST REACH THE BOARD WITHIN 30 DAYS. YOU DO NOT NEED A LAWYER TO FILE AN APPEAL WITH THE BOARD.**



August 20, 2003

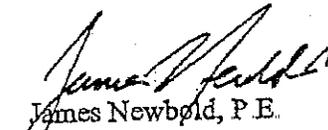
Mr Robert Wideman

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IMPORTANT LEGAL RIGHTS ARE AT STAKE, HOWEVER, SO YOU SHOULD SHOW THIS DOCUMENT TO A LAWYER AT ONCE. IF YOU CANNOT AFFORD A LAWYER, YOU MAY QUALIFY FOR FREE PRO BONO REPRESENTATION. CALL THE SECRETARY TO THE BOARD (717-787-3483) FOR MORE INFORMATION.

If you have any questions, please call Ms. Jennifer Cunningham at 610-832-6139.

Sincerely,

  
James Newbold, P.E.  
Regional Manager  
Water Management

Enclosures

cc: Mr. DeLorimier  
Chester County Health Department  
Operations Section  
Water Management  
Permits Chief  
File  
Re 30 (GJE03)218-2A

3800-PM-WSWMD015 Rev. 4/2003  
Permit



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF WATER SUPPLY AND WASTEWATER MANAGEMENT

### WATER QUALITY MANAGEMENT PERMIT

PERMIT NO. 1501426

AMENDMENT NO. 1

APS ID. 490042

AUTH. ID. 511095

<p>A. PERMITTEE (Name and Address): West Vincent Township P.O. Box 163, 2200 Flowing Springs Road Bit chrunville, PA 19421</p>	<p>B. PROJECT/FACILITY (Name): West Vincent Township Weatherstone WWTF</p>
<p>C. LOCATION (Municipality, County): West Vincent Township, Chester County</p>	
<p>D. This amendment approves the construction &amp; modification of sewerage facilities consisting of: Influent pump station, grinders, aerated lagoons, storage lagoons, chlorination equipment and 44.04 acres of spray fields. This amendment approves a change from center pivot to fixed impact sprinklers in one spray zone.</p>	
<p>Pump Stations: <u>1</u> Design Capacity: <u>150,000</u> GPM</p>	<p>Industrial Wastewater/Sewage Treatment Facility: Annual Average Flow: <u>0.11</u> MGD Design Hydraulic Capacity: <u>n/a</u> MGD Design Organic Capacity: <u>n/a</u> lb. BOD<sub>5</sub>/day</p>
<p>E. APPROVAL GRANTED BY THIS PERMIT IS SUBJECT TO THE FOLLOWING:</p> <p>1. <b>New Permits:</b> All construction, operations, and procedures shall be in accordance with the Water Quality Management Permit application dated _____, its supporting documentation, and addendums dated _____, which are hereby made a part of this permit.</p> <p><b>Amendments:</b> All construction, operations, and procedures shall be in accordance with the Water Quality Management Permit Amendment application dated <u>6-25-03</u> and its supporting documentation, and addendums dated _____, which are hereby made a part of this amendment.</p> <p>Except for any herein approved modifications, all terms, conditions, supporting documentation and addendums approved under Water Quality Management Permit No. _____ dated _____ shall remain in effect.</p> <p><b>Transfers:</b> Water Quality Management Permit No. _____ dated _____ and conditions, supporting documentation and addendums are also made part of this transfer.</p> <p>2. <b>Permit Conditions Relating to Sewerage and Erosion &amp; Sediment Control</b> are attached and made part of this permit.</p> <p>3. Special Conditions numbered <u>I - XX</u> are attached and made part of this permit.</p>	
<p>F. THE AUTHORITY GRANTED BY THIS PERMIT IS SUBJECT TO THE FOLLOWING FURTHER QUALIFICATIONS:</p> <p>1. If there is a conflict between the application or its supporting documents and amendments and the attached conditions, the attached conditions shall apply.</p> <p>2. Failure to comply with the rules and regulations of DEP or with the terms or conditions of this permit shall void the authority given to the permittee by the issuance of this permit</p> <p>3. This permit is issued pursuant to the Clean Streams Law Act of June 22, 1937, P.L. 1967, as amended 35 P.S. §691.1 <i>et seq.</i>, and/or the Dam Safety and Encroachments Act of November 26, 1978, P.L. 1375, as amended, 32 P.S. §693.1 <i>et seq.</i> Issuance of this permit shall not relieve the permittee of any responsibility under any other law.</p>	
<p>PERMIT ISSUED: <u>August 20, 2003</u></p>	<p>BY: <u>[Signature]</u> TITLE: <u>Water Management Program Manager</u></p>

Sewerage Permit No. 1501426 Amendment No. 1  
West Vincent Township  
West Vincent Township, Chester County

This permit is subject to the following Special Condition(s):

- I. Effective disinfection to control disease producing organisms shall be the production of an effluent which will contain a concentration not greater than 200/100 ml of Fecal Coliform organisms, as a geometric average value nor greater than 1000/100 ml of these organisms in more than 10 percent of the samples tested.
- II. Prior to the operation of the proposed facilities, the permittee shall obtain a permit or approval from the Bureau of Waste Management for the sludge disposal site.
- III. If there is a change in ownership of this facility or in permittee name, an application for transfer of permit must be submitted to the Department.

IV. Groundwater Monitoring Requirements

The groundwater-monitoring program will consist of eleven (11) groundwater monitoring wells. There are seven (7) existing groundwater-monitoring wells, (MW-1, MW-3, MW-4, MW-5, MW-6, MW-7, and MW-8,) three (3) new groundwater monitoring wells (MW-10, MW-11, and MW-12) downgradient of the disposal area and one (1) new upgradient groundwater monitoring well (MW-13).

The permittee shall effectively monitor the impact the systems operation on the groundwater table:

1. Groundwater samples shall be collected quarterly (January, April, July, October) from all of the groundwater monitoring wells on site. The water samples shall be analyzed for the following:

pH	Alkalinity
Total Suspended Solids	Nitrite-Nitrogen
Nitrate-Nitrogen	Ammonia-Nitrogen
Total Phosphates	Chlorides
Sulfates	Fecal Coliform
Turbidity	Total Dissolved Solids
Temperature	Static Water Level
Sample Depth	Conductivity

2. The groundwater monitoring well shall be purged at least three (3) to five (5) well volumes and allowed to recover prior to sample collection. Samples shall be collected from no greater than five feet below the top water table.

3. Groundwater sampling shall commence at least six (6) months prior to system start-up.
  4. The groundwater monitoring wells shall be installed in the locations as shown on the site plan dated November 27, 2001, Sheets C-2, C-4 and C-5, which was received by the Department on December 10, 2001. Construction details of the groundwater monitoring wells shall be submitted to the Department for review prior to the final inspection of the facility.
  5. The results of the quarterly and annual samples shall be reported to the Department using the Background/Monitoring Data Report form.
- V. Copies of monthly Discharge Monitoring Report and the quarterly/annual groundwater Background/Monitoring Data Report forms must be submitted within 28 days of the end of the monitoring period to:

Department of Environmental Protection  
Southeast Regional Office  
Water Management  
Lee Park, Suite 6010  
555 North Lane  
Conshohocken, PA 19428

- VI. The water level, within the impoundments, shall be controlled so that a freeboard of at least 24 inches is maintained at all times.
- VII. Spray irrigation shall not occur on frozen soil or during prolonged or heavy rainfall events. Effluent may not be applied if more than 0.5 inches of rainfalls during the previous 24-hour period.
- VIII. Permittee shall maintain following minimum buffer zones at all times:
  - \* 100' from existing and proposed building
  - \* 25' from boundaries of delineated wet tanks
  - \* 50' from property boundaries, roadways, parking lots and large rock out crops.
- IX. If the effluent from the, herein approved, sewage treatment facilities creates a health hazard or nuisance, the permittee shall upon notice from the Department of Environmental Protection, provide such additional treatment as may be required by the Department.

X. Discharge Limitations and Monitoring Requirements

Effluent from the sewage treatment plant shall be sampled at the sample port located inside the control building for all composite sample parameters and sample point at the valve vault (after chlorination) for all grab sample parameters and shall be limited at all times as follows:

Parameter	Discharge Limitations (mg/l)			Monitoring Requirements	
	Average Monthly	Average Weekly	Instantaneous Maximum	Measurement Frequency	Sample Type
Flow (mgd)	0.11			Continuous	Recorded
CBOD <sub>5</sub>	25	40	50	2/Month	8 Hour Composite
Suspended Solids	30	45	60	2/Month	8 Hour Composite
Total Nitrogen*	20	30.0	40.0	2/Month	8 Hour Composite
Fecal Coliform	200/100 ml as geometric average			2/Month	Grab
pH	Within limits of 6 to 9 standard units at all times			2/Month	Grab

\*Total Nitrogen shall be measured and reported as the sum of Ammonia (NH<sub>3</sub>-N), Nitrite (NO<sub>2</sub>-N) and Nitrate (NO<sub>3</sub>-N).

Additional treatment requirements include the satisfactory disposal of sludge and the reduction of quantities of oils, greases, acids, alkalis, toxic, taste and odor producing substances, inimical to the public interest to levels which will not pollute the receiving waters.

Monitoring results shall be reported monthly on the Discharge Monitoring Report (DMR). The term "composite" sample means a combination of individual samples collected at regular intervals over a time period. The term "grab" sample means an individual sample collected in less than 15 minutes. Samples and measurements taken as required, herein, shall be representative of the volume and nature of the monitored discharge.

XI. The authorization to discharge contained in Section C of this permit shall expire in five years from the date of issuance, or reissuance. Application for renewal of this permit, or notification of intent to cease discharging by the expiration date, must be submitted to the Department at least 180 days prior to the above expiration date (unless permission has been granted by the Department for submission at a later date). In the event that a timely and complete application for renewal has been submitted and the Department is unable, through no fault of the permittee, to reissue the permit before the above expiration date, the terms and conditions of this permit will be automatically continued and will remain fully effective and enforceable pending the grant or denial of the application for permit renewal.

The application for renewal shall be submitted on the appropriate Water Quality Management Part II Application Forms and shall include a tabulated summary of all groundwater monitoring data for the previous five years, including a discussion of ground water quality trends resulting from this discharge

XII. Unless, otherwise, specified in this permit, the test procedures for analysis of pollutants shall be those contained in 40 C.F.R. Part 136, or alternative test procedures approved pursuant to that Part. For the analysis of CBOD5 consult Section 507 of Standard Methods.

XIII. Application of effluent shall be managed to prevent run-off of effluent from the permitted sprayfield and ponding of effluent in the spray area.

XIV. If the permittee monitors any pollutant more frequently than the permit requires, the results of this monitoring shall be incorporated, as appropriate, into the calculations used to report self-monitoring data on the DMR.

XV. Recording of Results

For each measurement or sample taken pursuant to the requirements of this permit, the permittee shall record the following information:

1. The exact place, date, and time of sampling or measurement.
2. The person(s) who performed the sampling or measurement.
3. The dates the analyses were performed.
4. The person(s) who performed the analyses.
5. The analytical techniques or methods used.
6. The results of such analyses.

XVI. Recordkeeping and Retention

The permittee shall keep records of operation and efficiency of the wastewater treatment facilities. All records of monitoring activities and results (including all original strip chart recordings for continuous monitoring instrumentation and calibration and maintenance records), copies of all reports required by this permit, and records of all data used to complete the application for this permit shall be retained by the permittee for three (3) years. The three-year period shall be extended as requested by the Department.

XVII. When the, herein approved, sewage treatment works is completed and before it is placed in operation, the permittee shall notify the Department in writing so that an inspection of the works may be made by a representative of the Department.

### XVIII. Crop Management

Spray field vegetation and soils must be managed in accordance with the submitted crop management plan and soil nutrient analyses and in accordance with the Penn State Cooperative Extension Agronomy Facts Bulletin Nos. 26 and 28. The selected vegetation will be a mixture of need canary grass and tall fescue. The vegetative cover must be cut and removed whenever crop height reaches approximately 12 inches, but should not be cut closer than three and four inches, in order to maintain the growing tips on the selected vegetation. If the crop responds differently than in normal agricultural applications, because of the high nitrogen and high moisture conditions of spray irrigation, the harvesting parameters may be revised in consultation with the local Penn State Cooperative Extension Office.

Forests take up and store nutrients and return a portion of those nutrients back to the soil in the form of leaf fall and debris such as fallen trees. When growth and nutrient uptake begin a decrease with age the stand should be thinned by identifying the older trees and harvesting them. Whole tree harvesting must take place in the summer when the leaves are on the trees to maximize nitrogen removal. In addition, fallen trees should be harvested.

XIX. The sprayfields shall be maintained to ensure that vegetation shall not interfere or impair proper operation of the sprayheads and sprayfields.

### XX. Sprayfield Hydraulic Loading Requirements

The recorded effluent flows to each sprayfield zone must be consistent with the maximum hydraulic loading rates per week (A) and the minimum hydraulic loading rates per month (B) shown in the following chart. Please note that, from May through October, each zone must receive the maximum hydraulic loading per week in order to meet the minimum hydraulic loading per month.

The maximum hydraulic loading rate per week for each zone is based on a combination of factors including soil drainage classification, soil permeability, and nitrogen loading. **THE MAXIMUM HYDRAULIC LOADING RATE PER WEEK (A) CANNOT BE EXCEEDED.**

However, the sizing of the lagoons and treatment facilities is based on each zone meeting its minimum hydraulic loading rate per month. Minimum hydraulic loadings per month must be met to empty the storage lagoons before winter weather reduces the hydraulic loading rates. **THE MINIMUM HYDRAULIC LOADING RATES PER MONTH (B) MUST BE MET UNLESS THE LAGOON IS EMPTY.**

If minimum hydraulic loading rates per month cannot be met because of harvesting schedules, weather conditions, administrative or technical problems, the Department must be contacted immediately. Adding new sprayfields, adding pumps or increasing pump sizes, or spraying two or more zones simultaneously will require additional sewage facilities planning and/or revisions to this permit.

Month	No. of Spray Days	Spray Volume Gallons Per Zone					
		Zone 1 CP (Open)		Zone 2 W (Wooded)		Zone 3 G (Open)	
		Max/Week [A]	Min/Month [B]	Max/Week [A]	Min/Month [B]	Max/Week [A]	Min/Month [B]
January	9	40,049	51,492	11,268	14,487	21,314	27,404
February	9	40,049	51,492	11,268	14,487	21,314	27,404
March	23	120,149	394,776	33,804	111,072	63,943	210,101
April	27	120,149	463,433	33,804	130,389	63,943	246,640
May	31	160,199	709,453	45,072	199,608	85,258	377,573
June	30	200,248	858,209	56,341	241,462	106,573	456,742
July	31	200,248	886,816	56,341	249,511	106,573	471,966
August	31	200,248	886,816	56,341	249,511	106,573	471,966
September	30	200,248	858,209	56,341	241,462	106,573	456,742
October	31	160,199	709,453	45,072	199,608	85,258	377,573
November	26	140,174	520,647	39,438	146,487	74,601	277,090
December	15	40,049	85,820	11,268	24,146	21,314	45,674

Month	No. of Spray Days	Spray Volume Gallons Per Zone					
		Zone 4 W (Wooded)		Zone 5 G (Open)		Zone 6 CP (Open)	
		Max/Week [A]	Min/Month [B]	Max/Week [A]	Min/Month [B]	Max/Week [A]	Min/Month [B]
January	9	38,013	48,874	14,255	18,327	110,917	142,608
February	9	38,013	48,874	14,255	18,327	110,917	142,608
March	23	114,040	374,703	42,765	140,513	332,752	1,093,330
April	27	114,040	439,868	42,765	164,950	332,752	1,283,474
May	31	152,053	673,379	57,020	252,517	443,670	1,964,825
June	30	190,066	814,572	71,275	305,464	554,587	2,376,804
July	31	190,066	841,724	71,275	315,646	554,587	2,456,031
August	31	190,066	841,724	71,275	315,646	554,587	2,456,031
September	30	190,066	841,572	71,275	305,464	554,587	2,376,804
October	31	152,053	673,379	57,020	252,517	443,670	1,964,825
November	26	133,046	494,173	49,892	185,315	388,211	1,441,928
December	15	38,013	494,173	14,255	30,546	110,917	237,680

Month	No. of Spray Days	Spray Volume Gallons Per Zone			
		Zone 7 W (Wooded)		Zone 8 G (Open)	
		Max/Week [A]	Min/Month [B]	Max/Week [A]	Min/Month [B]
January	9	12,897	16,582	50,231	64,583
February	9	12,897	16,582	50,231	64,583
March	23	38,692	127,131	150,695	492,143
April	27	38,692	149,241	150,695	581,255
May	31	51,589	228,468	200,927	889,822
June	30	64,486	276,372	251,159	1,076,398
July	31	64,486	285,585	251,159	1,112,278
August	31	64,486	285,585	251,159	1,112,278
September	30	64,486	276,372	251,159	1,076,398
October	31	51,589	228,468	200,927	889,822
November	26	45,140	167,666	175,811	653,015
December	15	12,897	27,637	50,231	107,639

Hourly application rates are restricted by slope according to the following chart:

Slope	0 - 5 Percent	6 - 8 Percent	9 - 12 Percent	13 - 20 Percent
Application Rate (inches/hour)	0.25	0.20	0.15	0.10

Re 30 (GJE02)016-1EE

3600-PM-WSWM0015b Rev. 4/2003  
Conditions Sewerage



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF WATER SUPPLY AND WASTEWATER MANAGEMENT  
**PERMIT CONDITIONS RELATING TO SEWERAGE**  
For use in Water Quality Management Permits

(Place a  in the box that applies)

**General**

- 1. Consistent with the Department of Environmental Protection's (DEP) technical guidance document *Conducting Technical Reviews of Water Quality Management Permit Wastewater Treatment Facilities*, DEP ID: 362-2000-007 available on DEP's website at [www.dep.state.pa.us](http://www.dep.state.pa.us), DEP did not conduct a detailed technical review of this application. DEP considers the registered Professional Engineer whose seal is affixed to the design documents to be fully responsible for the adequacy of all aspects of the facility design
- 2. The permittee shall adopt and enforce an ordinance requiring the abandonment of privies, cesspools or similar receptacles for human waste and onlot sewage disposal systems on the premises of occupied structures accessible to public sewers. All such structures must be connected to the public sewers.
- 3. The outfall sewer or drain shall be extended to the low water mark of the receiving body of water. Where necessary to ensure proper mixing and waste assimilation, an outfall sewer or drain may be extended with appurtenances below the low water mark and into the bed of a navigable stream provided that the permittee has secured an easement, right-of-way, license or lease from DEP in accordance with Section 15 of the Dam Safety and Encroachments Act, the Act of November 26, 1978, P.L. 1375, as amended.
- 4. The approval is specifically made contingent on the permittee acquiring all necessary property rights, by easement or otherwise, providing for the satisfactory construction, operation, maintenance and replacement of all sewers or sewerage structures in, along, or across private property with full rights of ingress, egress and regress.
- 5. When construction of the approved sewerage facilities is completed and before they are placed in operation, the permittee shall notify DEP in writing so that a DEP representative may inspect the facilities.
- 6. If, at any time, the sewerage facilities covered by this permit create a public nuisance, including but not limited to, causing malodors or causing environmental harm to waters of the Commonwealth, DEP may require the permittee to adopt appropriate remedial measures to abate the nuisance or harm.
- 7. This permit authorizes the construction and operation of the proposed sewerage facilities until such time as facilities for conveyance and treatment at a more suitable location are installed and capable of receiving and treating the permittee's sewage. Such facilities must be in accordance with the applicable municipal official plan adopted pursuant to Section 5 of the Pennsylvania Sewage Facilities Act, the Act of January 24, 1966, P.L. 1535 as amended. When such municipal sewerage facilities become available, the permittee shall provide for the conveyance of the sewage to these sewerage facilities, abandon the use of these approved facilities and notify DEP accordingly. This permit shall then, upon notice from DEP, terminate and become null and void, and shall be relinquished to DEP.
- 8. This permit does not relieve the permittee of its obligations to comply with all federal, interstate, state or local laws, ordinances and regulations applicable to the sewerage facilities.
- 9. This permit does not give any real or personal property rights or grant any exclusive privileges, nor shall it be construed to grant or confirm any right, easement or interest in, on, to, or over any lands which belong to the Commonwealth.
- 10. The authority granted by this permit is subject to all effluent requirements, monitoring requirements, and other conditions as set forth in NPDES Permit No. PA\_\_\_\_\_ and all subsequent amendments and renewals. No discharge is authorized from these facilities unless approved by an NPDES Permit.

**Construction**

- 11. The facilities shall be constructed under the supervision of a Pennsylvania registered Professional Engineer in accordance with the approved reports, plans and specifications. Any deviations from approved plans or specifications so revised should, therefore, be submitted well in advance of any construction work, which will be affected by such changes to the permit sufficient time for review and approval. Structural revisions or other minor changes not affecting capacities, flows or operations will be permitted during construction without approval. Upon request, "as-built drawings" clearly showing such alterations shall be filed with DEP at the completion of the work.

3800-PM-WSWM0015b Rev 4/2003  
Conditions Sewerage

- 12. A Pennsylvania registered Professional Engineer shall certify that construction of the permitted facilities was completed in accordance with the Part II application and design plans submitted to DEP, using the enclosed "Sewage and Industrial Wastewater Facilities Construction Certification". It is the permittee's responsibility to ensure that a Professional Engineer is on-site to provide the necessary oversight and/or inspections to certify the facilities. The facilities may not be placed into operation until the Professional Engineer completes the certification. The certification must be submitted to DEP within 30 days following startup of the facilities, along with as-built drawings, photographs (if available) and a description of any DEP-approved deviations from the application and design plans.
- 13. Manhole inverts shall be formed to facilitate the flow of the sewage and to prevent the stranding of sewage solids. The whole manhole structure shall be built to prevent undue infiltration, entrance of street wash or grit and provide safe access to facilitate manhole maintenance activities.
- 14. The local Waterways Conservation Officer of the Pennsylvania Fish and Boat Commission (FBC) shall be notified when the construction of any stream crossing and/or outfall is started and completed. A written permit must be secured from the FBC if the use of explosives in any waterways is required and the permittee shall notify the local Waterways Conservation Officer when explosives are to be used.

**Operation and Maintenance**

- 15. The permittee shall maintain facility operation and maintenance (O&M) manuals at the facility and ensure proper O&M of the permitted facility. The permittee shall file the O&M manuals with DEP upon request.
- 16. The sewers shall have adequate foundation support as soil conditions require. Trenches shall be back-filled to ensure that sewers will have proper structural stability, with minimum settling and adequate protection against breakage. Concrete used in connection with these sewers shall be protected from damage by water, freezing, drying or other harmful conditions until cured.
- 17. Stormwater from roofs, foundation drains, basement drains or other sources shall not be admitted directly to the sanitary sewers.
- 18. The approved sewers shall be maintained in good condition, kept free of deposits by flushing or other cleaning methods and repaired when necessary.
- 19. The sewerage facilities shall be properly maintained so that the facility will perform as designed.
- 20. The attention of the permittee is called to the highly explosive nature of certain gases generated by the digestion of sewage solids when these gases are mixed in proper proportions with air and to the highly toxic character of certain gases arising from such digestion or from sewage in poorly ventilated compartments or sewers. Therefore, at all places throughout the sewerage facilities where hazard of fire, explosion or danger from toxic gases may occur, the permittee shall post conspicuous permanent and legible warnings. The permittee shall instruct all employees concerning the aforesaid hazards, first aid and emergency methods of meeting such hazards and shall make all necessary equipment and material accessible.
- 21. An operator certified in accordance with the Water and Wastewater Systems Operator Certification Act of February 21, 2002, 63 P.S. §§ 1001, et seq. shall operate the sewage treatment plant.
- 22. The permittee shall properly control any industrial waste discharged into its sewerage system by regulating the rate and quality of such discharge, requiring necessary pretreatment and excluding industrial waste, if necessary, to protect the integrity or operation of the permittee's sewerage system.
- 23. There shall be no physical connection between a public water supply system and a sewer or appurtenance to it which would permit the passage of any sewage or polluted water into the potable water supply. No water pipe shall pass through or come in contact with any part of a sewer manhole.
- 24. All connections to the approved sanitary sewers must be in accordance with the corrective action plan as contained in the approved Chapter 94 Municipal Wasteload Management Annual Report.
- 25. Collected screenings, slimes, sludge and other solids shall be handled and disposed of in compliance with 25 Pa. Code, Chapters 271, 273, 275, 283 and 285 (related to permits and requirements for land filling, land application, incineration and storage of sewage sludge), Federal Regulations 40 CFR 257 and the Federal Clean Water Act and its amendments.

3800-PM-WSWM0015a Rev. 4/2003  
Conditions Erosion and Sediment Control



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF WATER SUPPLY AND WASTEWATER MANAGEMENT

**PERMIT CONDITIONS RELATING TO EROSION AND SEDIMENT CONTROL**  
For use in Water Quality Management Permits

(Place a  in the box that applies)

**General**

- 1. By approval of the plans for which this permit is issued, neither the Department of Environmental Protection (DEP) nor the Commonwealth of Pennsylvania assumes any responsibility for the feasibility of the plans or the measures and facilities to be constructed thereunder.
- 2. If at any time the erosion and sediment control activities undertaken pursuant to this permit or other activities carried out at the location is causing or contributing to pollution of the waters of the Commonwealth, the permittee shall forthwith adopt such remedial measures as are acceptable to DEP.
- 3. This permit does not authorize any earth disturbance controlled or regulated by an ordinance enacted by a local municipality. Additional permits must be secured from local municipalities where earthmoving activities are covered by such local ordinances.
- 4. When the erosion and sediment control measures and facilities approved in this permit are completed, the permittee shall notify the County Conservation District or the DEP regional office so that a final inspection of the measures and facilities may be made.
- 5. The permittee shall be responsible for assuring that permit conditions are implemented in accordance with 25 Pa. Code Chapter 102.
- 6. The permittee shall comply with the Individual or General NPDES Permit for Stormwater Discharges Associated with Construction Activities issued by DEP or the County Conservation District.

**Construction**

- 7. The erosion control measures and facilities shall be constructed under the supervision and competent inspection of an individual trained and experienced in erosion control, in accordance with the plans, design and other data as herein approved or amended and with the conditions of this permit. Control facilities shall be inspected and maintained to ensure effective control.
- 8. At least seven days before earthmoving will begin, the permittee, by telephone or certified mail, shall notify DEP or its designee of the date for beginning of construction and invite the County Conservation District representative to attend a pre-construction conference. The permittee shall have his erosion control plan available at the activity site at all times.
- 9. All earthmoving activities shall be undertaken in the manner set forth in the erosion and sediment control plan identified with this permit. Revisions to the plan shall be pre-approved by DEP or the County Conservation District.
- 10. All slopes, channels, ditches or any disturbed area shall be stabilized as soon as possible after the final grade or final earthmoving has been completed. Where it is not possible to permanently stabilize a disturbed area immediately after the final earthmoving has been completed or where the activity ceases for more than 20 days, interim stabilization measures shall be implemented promptly.

**Operation and Maintenance**

- 11. No stormwater, sewage or other wastes not specifically approved in this permit, shall be admitted to the erosion and sediment control facilities for which this permit is issued.
- 12. Sediment shall at no time be permitted to accumulate in sedimentation basins to a depth that may limit storage capacity or interfere with the facility's settling efficiency. The sediment removed shall be handled and disposed of in a manner that will not create pollution problems so that every reasonable and practical precaution is taken to prevent the said material from reaching the waters of the Commonwealth.
- 13. Upon completion of the project, all disturbed areas shall be stabilized to prevent accelerated erosion. Any erosion and sediment control facility required or necessary to protect areas from erosion during the stabilization period shall be maintained until stabilization is completed. Upon completion of stabilization, all unnecessary or unusable control measures and facilities shall be removed, the areas shall be graded and the soils shall be stabilized.