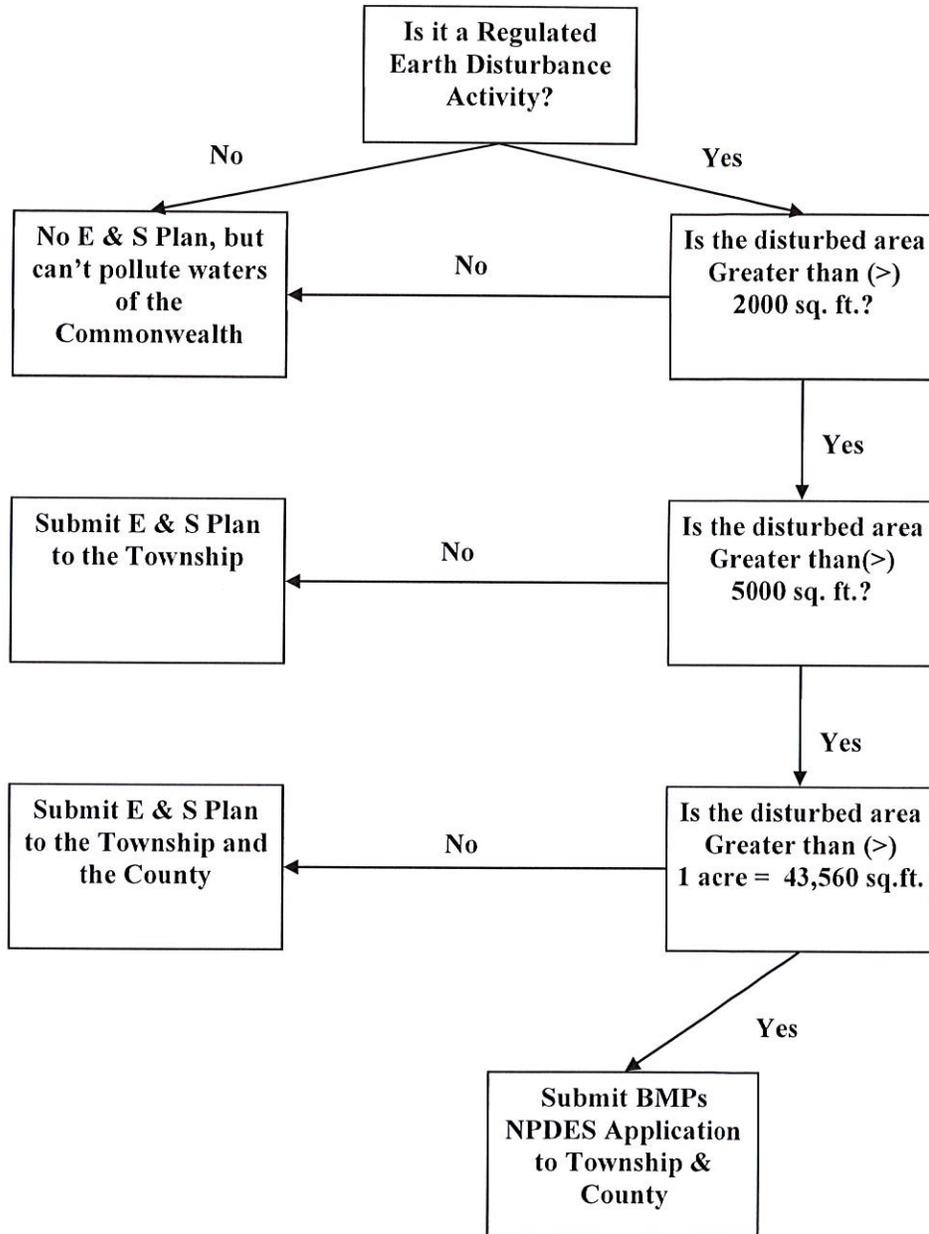


SIEVE for E & S PLAN

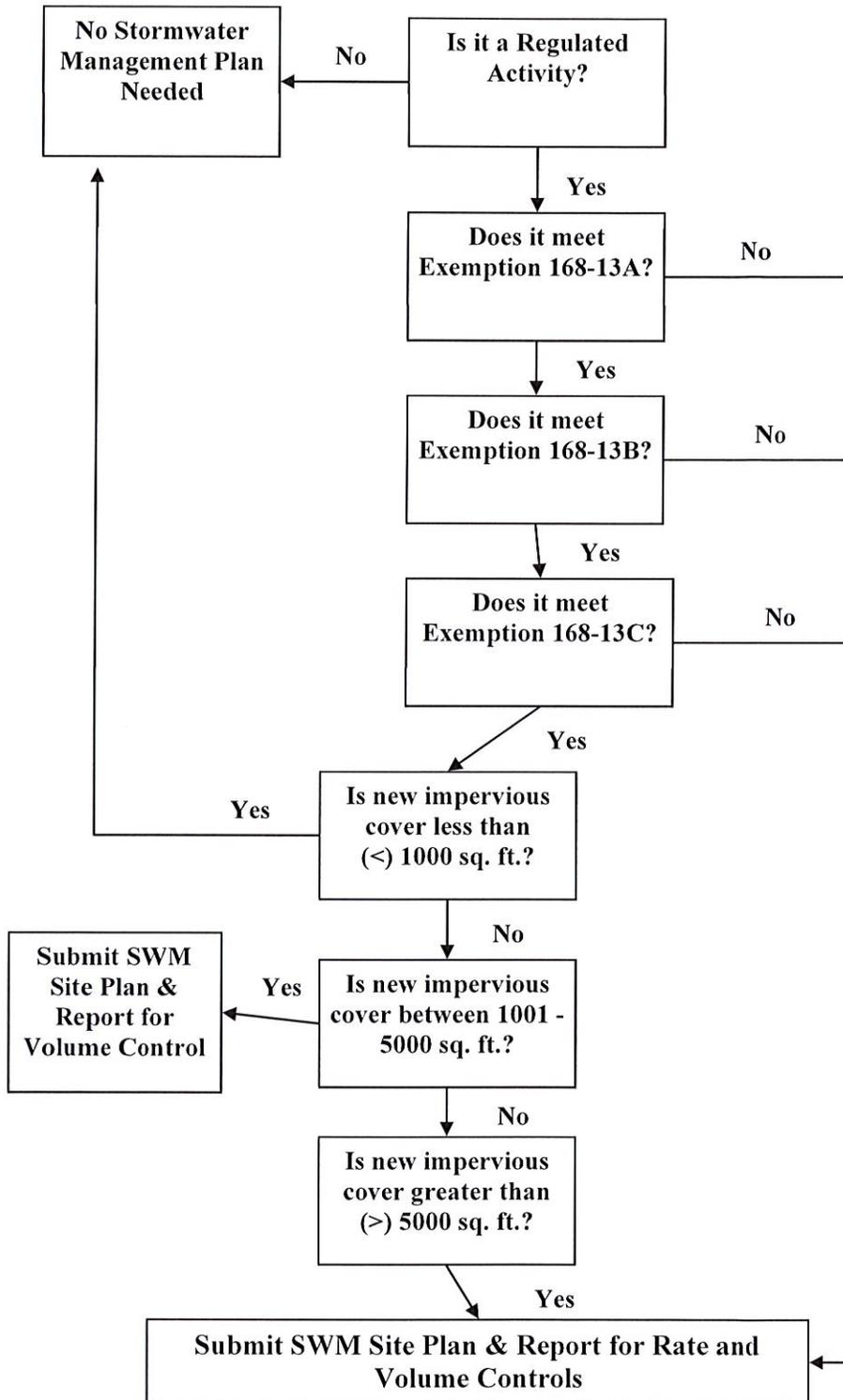
Prior to issuing a building or zoning permit, an application must pass through this screen to see if an Erosion and Sedimentation Control Plan is necessary.



Authorization under 25 PA Code Chapter 102 Erosion and Sediment Control, West Hanover Township Zoning Ordinance Chapter 195-97 Erosion and Sedimentation Control, West Hanover Township Subdivision and Land Development Ordinance Chapter 173-29 Erosion & Sedimentation Control approval and NPDES permit.

SIEVE for SWM PLAN

Prior to issuing a building or zoning permit, an application must pass through this screen to see if a Stormwater Management Plan is necessary. See Code of the Township of West Hanover Chapter 168 Stormwater Management.





WEST HANOVER TOWNSHIP
7171 Allentown Boulevard
Harrisburg, PA 17112
(717) 540-6075
Website: www.westhanover.com

**Stormwater Management Procedures
Chapter 168**

What is a regulated activity?

Regulated Activities – Any earth disturbance activities or any activities that involve the alteration or development of land in a manner that may affect stormwater runoff. “Regulated Activities” include, but are not limited to, the following:

- A. Earth Disturbance Activities.
- B. Land Development.
- C. Subdivision.
- D. Construction of new or additional impervious or semi-pervious surfaces.
- E. Construction of new buildings or additions to existing buildings.
- F. Diversion or piping of any natural or man-made stream channel.
- G. Installation of new or modification of existing stormwater management facilities or appurtenances thereto.
- H. Installation of new or modification of existing stormwater BMPs.
- I. Changes in soil absorption cause by compaction during development or timber harvesting.
- J. Redirection or concentration of runoff to adjoining properties.
- K. Modification in contours, including filling and/or draining of low areas.

Impervious Surface (Impervious Area) – A surface that prevents the infiltration of water into the ground. Impervious surface (or areas) shall include, but are not limited to: roofs, additional indoor living spaces, patios, garages, storage sheds and similar structures, streets, sidewalks and vehicle and pedestrian areas that are gravel and crushed stone. Decks are not counted as impervious areas if they do not prevent infiltration. Any surface area proposed to initially be gravel, crushed stone or paving shall be assumed to be impervious, unless designed as an infiltration BMP.

Best Management Practices (BMPs) – Activities, facilities, designs, measures or procedures used to manage stormwater impacts from Regulated Activities, to meet State Water Quality Requirements, to promote groundwater recharge and to otherwise meet the purposes of this Ordinance. Stormwater BMPs are commonly grouped into one of two broad categories or measures: “non-structural” or “structural”. “Non-structural” BMPs are measures referred to as operational and/or behavior-related practices that attempt to minimize the contact of pollutants with stormwater runoff whereas “structural” BMPs are measures that consist of a physical device or practice that is installed to capture and treat stormwater runoff. “Structural” BMPs include, but are not limited to, a wide variety of practices and devices, from large-scale wet ponds and constructed wetlands, to small-scale underground treatment systems, infiltration facilities, filter strips, low impact design, bioretention, wet ponds, permeable paving, grassed swales, riparian or forested buffers, sand filters, detention basins, and manufactured devices. “Structural” stormwater BMPs are permanent appurtenances to the project site.

Does it meet Exemption 168-13.A?

Exemption 302.A – Under no circumstances shall the applicant be exempt from implementing such measures as necessary to:

1. Meet State Water Quality Standards and Requirements.
2. Protect health, safety, and property.
3. Meet special requirements for High Quality (HQ) and Exceptional Value (EV) watersheds.

Does it meet Exemption 168-13.B?

Exemption 302B – The applicant must demonstrate that the following BMPs are being utilized to the maximum extent practicable to receive consideration for the exemptions:

1. Design around and limit disturbance of Floodplains, Wetlands, Natural Slopes over 15%, existing native vegetation, and other sensitive and special value features.
2. Maintain riparian and forested buffers.
3. Limit grading and maintain non-erosive flow conditions in natural flow paths.
4. Maintain existing tree canopies near impervious areas.
5. Minimize soil disturbance and reclaim disturbed areas with topsoil and vegetation.
6. Direct runoff to pervious areas.

Does it meet Exemption 168-13.C?

Exemption 302C – The applicant must demonstrate that the proposed development/additional impervious area will not adversely impact the following:

1. Capacities of existing drainageways and storm sewer systems.
2. Velocities and erosion.
3. Quality of runoff if direct discharge is proposed.
4. Existing known problem areas.
5. Safe conveyance of the additional runoff.
6. Downstream property owners.

What is to be included in the stormwater management (SWM) site plan and report?

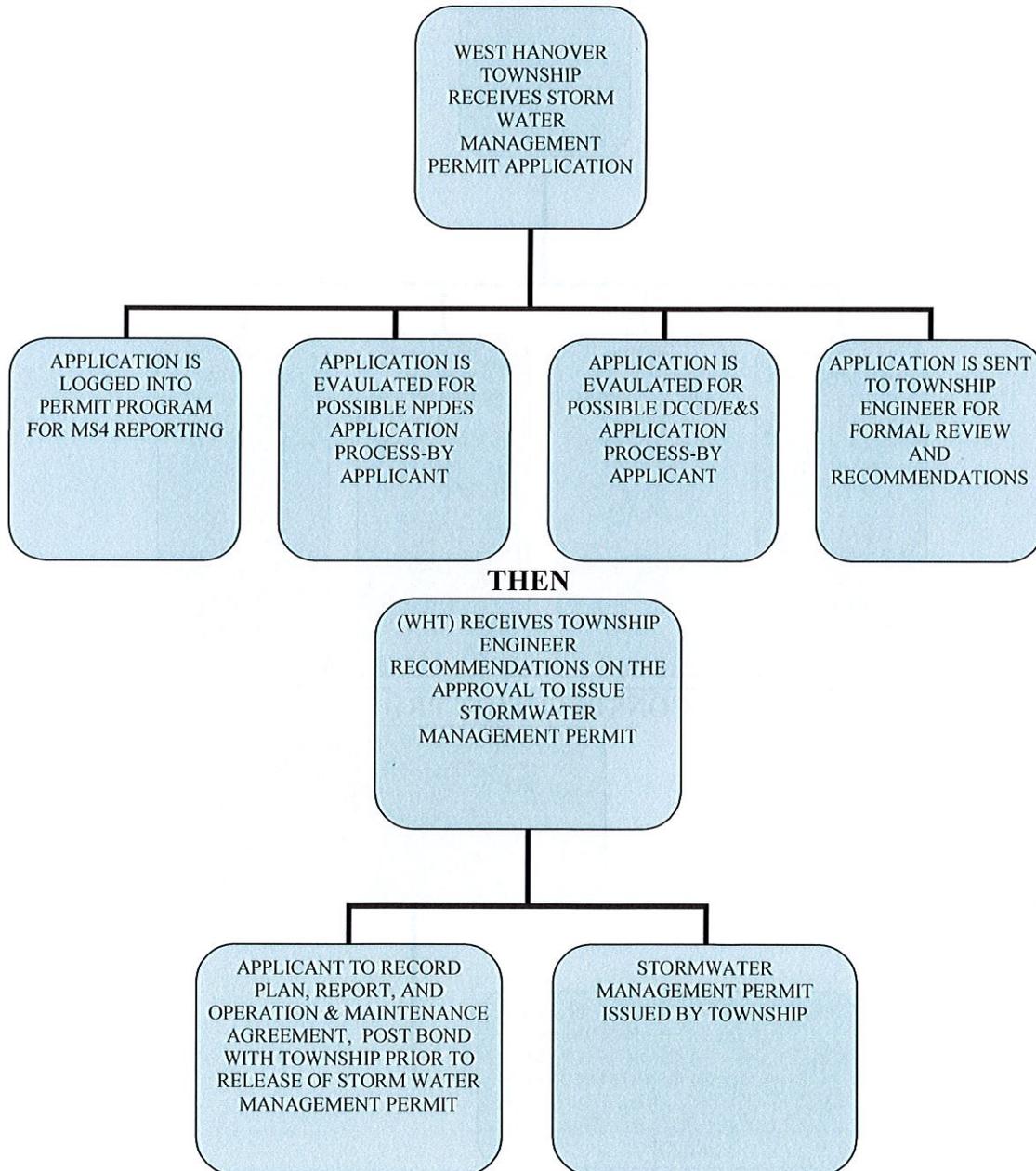
The SWM Site Report shall consist of all applicable calculations, maps and plans prepared under the direction of a professional engineer or land surveyor registered in Pennsylvania with experience in drainage and stormwater management planning. All SWM Site Plan materials shall be submitted to the Township in a format that is clear, concise, legible, neat, physically bound, and well organized; otherwise, the SWM Site Plan shall be rejected. Appropriate sections from the West Hanover Township Subdivision and Land Development Ordinance, and other applicable local ordinances, shall be followed in preparing the SWM Site Plan.

- A. SWM Site Plan shall include (but is not limited to):
1. Plans no larger than 24" x 36" sheets and in a form that meets the requirements for recording in the Office of the Recorder of Deeds of Dauphin County.
 2. The name of the development, name and location address of the property site; names, address, and telephone number of the applicant/owner of the property; and name, address, telephone number, email address, and professional engineer or land surveyor seal of the individual preparing the SWM Site Plan.
 3. Date of submission and dates of all revisions.
 4. A graphical and written scale on all drawings and maps.
 5. A north arrow on all drawings and maps.
 6. A location map using USGS topographic map or equivalent, at a minimum scale of one (1) inch equals one-thousand (1,000) feet showing the project location with surrounding area for reference.
 7. Bearings and distance description of the entire tract perimeter.
 8. Existing and final contours at intervals of two (2) feet.
 9. Existing waterbodies within the project area including streams, lakes, ponds, field delineated wetlands or other bodies of water, sinkholes, flood hazard boundaries (FEMA delineated floodplains and floodways), areas of natural vegetation to be preserved, the total extent of the upstream area draining through the site, and overland drainage paths.
 10. The location of all existing and proposed utilities, on-lot wastewater facilities, water supply wells, sanitary sewers, and water lines on and within fifty (50) feet of property lines.
 11. A key map showing all existing man-made features beyond the property boundary that may be affected by the project.
 12. Soil names and boundaries with identification of the Hydraulic Soil Group classification.
 13. The proposed limit of disturbance line and associated proposed disturbed acres.
 14. Proposed structures, roads, paved areas, and buildings, including plans and profiles of roads, and paved areas and floor elevations of buildings.
 15. Horizontal alignment, vertical profiles, and cross sections of all open channels, pipes, swales and other BMPs.
 16. The location and clear identification of the nature of permanent stormwater BMPs.
 17. The location of all erosion and sedimentation control facilities.
 18. A minimum twenty (20) foot wide access easement around all stormwater management facilities that would provide ingress to and egress from a public right-of-way. In lieu of providing an easement to the public right-of-way, a note may be added to the plan granting the Township or their designee's access to all easements via the nearest public right-of-way.
 19. Construction details for all drainage and stormwater BMPs.
 20. Construction details of any improvements made to sinkholes.
 21. Identification of short-term and long-term ownership, operations, and maintenance responsibilities.
 22. Notes and Statements:
 - a. A statement signed by the landowner, acknowledging that the stormwater BMPs are fixtures that cannot be altered or removed without prior approval by the Township.
 - b. A statement referencing the Operation and Maintenance (O & M) Agreement and stating that the O & M Agreement is part of the SWM Site Plan.
 - c. A note indicating that Record Drawings will be provided for all stormwater management facilities prior to occupancy, or the release of financial security.



WEST HANOVER TOWNSHIP
7171 Allentown Boulevard
Harrisburg, PA 17112
(717) 540-6075
Website: www.westhanover.com

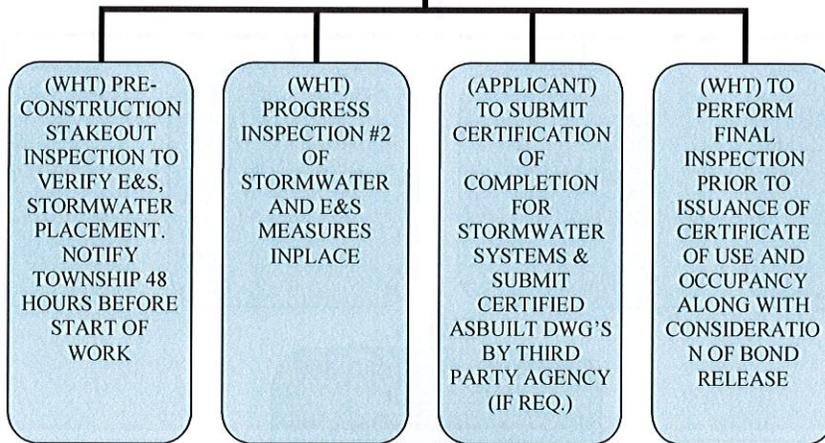
**Stormwater Management Procedures
MS4**





THEN

INSPECTION
PROCESS
DURING
CONSTRUCTION



POST CONSTRUCTION PROCESS

POST CONSTRUCTION INSPECTIONS
BY TOWNSHIP STAFF OR TOWNSHIP
ENGINEER IN ACCORDANCE WITH MS4
REQUIREMENTS

LEGAL PROPERTY OWNER IS SOLELY
RESPONSIBLE FOR REPAIRS,
MAINTENANCE AND OR RESTORATION
OF STORMWATER SYSTEMS ONSITE.
SCOPE OF WORK AS INDICATED ON
POST CONSTRUCTION INSPECTION
REPORT.

2015 - Permits and Related Township Fees - 2015

▶ Zoning Permits	Fees, charges and expenses for the administration of zoning activities.	\$5/\$1,000 of construction costs. Minimum fee \$50.00
	Certificate of Use	\$50.00
	Certificate of Nonconformance	\$50.00
▶ Stormwater Management Permit	Fees, charges and expenses for the administration of stormwater activities.	\$100.00
▶ Erosion & Sedimentation (E&S) Permit	Fees, charges and expenses for the administration of E&S activities	\$100.00
▶ Sign Permits	Fees, charges and expenses for the administration of sign permits.	\$5/\$1,000 of construction costs, Minimum fee \$50.00
▶ Timber Harvesting Permit	Fees, charges and expenses for the administration of timber harvesting activities.	\$5/\$1,000 of resident costs or benefits. Minimum fee \$50
▶ Subdivision – Minor Plan (Preliminary or Final)	The division or re-division of a single lot, tract or parcel of land into four or fewer lots, tracts or parcels.	\$300.00 \$350.00 deposit for Township Engineer reviews
▶ Subdivision – Major Plan Subdivision (Preliminary or Final)	The division or re-division of a single lot, tract or parcel of land into more than four lots, tracts or parcels.	\$500.00 + \$50.00 per lot or dwelling unit \$500.00 + \$25 per lot deposit for Township Engineer reviews
▶ Land Development	The improvement of one lot or two or more contiguous lots, tracts or parcels.	\$500.00 + \$50 per acre \$500.00 + \$100 per acre deposit for Township Engineer reviews
▶ Township Solicitor Fees	Legal fees for review of developer or owner agreements.	Hourly rate set annually by the Board of Supervisors
▶ Township Engineer or Township Third Party (TPA) Agency Fees	Fees for attending meetings, performing plan reviews, inspections, etc.	Hourly rate set annually per contract with each party and approved by Board Supervisors
▶ Starting work without permit	Failure to acquire necessary permits prior to construction	Double the applicable permit fee.
▶ Other	All fees charged by any other agency (County, State, Federal, etc.) are at the applicants expense.	