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**WATER**

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## PART 1

### STORMWATER MANAGEMENT

**A. General Provisions.****§ 26-101. Short Title. [Ord. No. 2022-133, 11/2/2022<sup>1</sup>]**

This Part shall be known and may be cited as the "Oxford Township Stormwater Management Ordinance."

**§ 26-102. Statement of Findings. [Ord. No. 2022-133, 11/2/2022]**

1. The governing body of the municipality finds that:
  - A. Inadequate management of accelerated runoff of stormwater resulting from development throughout a watershed increases runoff volumes, flows and velocities, contributes to erosion and sedimentation, overtaxes the carrying capacity of streams and storm sewers, greatly increases the cost of public facilities to carry and control stormwater, undermines floodplain management and flood control efforts in downstream communities, reduces groundwater recharge, threatens public health and safety, and increases nonpoint source pollution of water resources.
  - B. A comprehensive program of stormwater management (SWM), including reasonable regulation of development and activities causing accelerated runoff, is fundamental to the public health, safety, and welfare and the protection of the people of the Commonwealth, their resources, and the environment.
  - C. Stormwater is an important water resource that provides groundwater recharge for water supplies and supports the base flow of streams.
  - D. The use of green infrastructure and low-impact development (LID) is intended to address the root cause of water quality impairment by using systems and practices which use or mimic natural processes to 1) infiltrate and recharge, 2) evapotranspire, and 3) harvest and use precipitation near where it falls to earth. Green infrastructure practices and LID contribute to the restoration or maintenance of predevelopment hydrology.
  - E. Federal and state regulations require certain municipalities to implement a program of stormwater controls called a municipal separate storm sewer system (MS4) program. These municipalities are required to obtain a permit for stormwater discharges from their separate storm sewer systems under the national pollutant discharge elimination system (NPDES) program.

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1. Editor's Note: This Part also superseded former Part 1, Stormwater Management, adopted by 2012-87, 10/29/2012.

**§ 26-103. Purpose. [Ord. No. 2022-133, 11/2/2022]**

1. The purpose of this Part is to promote health, safety, and welfare within the municipality and its watershed by minimizing the harms and maximizing the benefits described in § 26-102 of this Part, through provisions designed to:
  - A. Meet legal water quality requirements under state law, including regulations at 25 Pa. Code 93 to protect, maintain, reclaim, and restore the existing and designated uses of the waters of this Commonwealth.
  - B. Preserve natural drainage systems.
  - C. Manage stormwater runoff close to the source, reduce runoff volumes, and mimic pre-development hydrology.
  - D. Provide procedures and performance standards for stormwater planning and management.
  - E. Maintain groundwater recharge to prevent degradation of surface and groundwater quality and to otherwise protect water resources.
  - F. Prevent scour and erosion of stream banks and streambeds.
  - G. Provide proper operation and maintenance of all stormwater best management practices (BMPs) implemented within the municipality.
  - H. Provide standards to meet and enforce NPDES permit requirements.
  - I. Create a platform to advocate and grow the use of low-impact development procedures and green infrastructure.

**§ 26-104. Statutory Authority. [Ord. No. 2022-133, 11/2/2022]**

The municipality is empowered to regulate land use activities that affect runoff by the authority of the Act of July 31, 1968, P.L. 805, No. 247, The Pennsylvania Municipalities Planning Code, as amended, and/or the Act of October 4, 1978, P.L. 864 (Act 167), 32 P.S. § 680.1, et seq., as amended, The Stormwater Management Act.

**§ 26-105. Applicability. [Ord. No. 2022-133, 11/2/2022]**

All regulated activities and all activities that may affect stormwater runoff, including land development and earth disturbance activity, are subject to regulation by this Part.

**§ 26-106. Repealer. [Ord. No. 2022-133, 11/2/2022]**

Any other ordinance provision(s) or regulation of the municipality inconsistent with any of the provisions of this Part is hereby repealed to the extent of the inconsistency only.

**§ 26-107. Severability. [Ord. No. 2022-133, 11/2/2022]**

If a court of competent jurisdiction declares any section or provision of this Part invalid, such a decision shall not affect the validity of any remaining provisions of this Part.

**§ 26-108. Compatibility with Other Requirements. [Ord. No. 2022-133, 11/2/2022]**

Approvals issued and actions taken under this Part do not relieve the applicant of the responsibility to secure required permits or approvals for activities regulated by any other code, law, regulation, or ordinance.

**§ 26-109. Erroneous Permit. [Ord. No. 2022-133, 11/2/2022]**

Any permit or authorization issued or approved based on false, misleading, or erroneous information provided by an applicant is void without the necessity of any proceedings for revocation. Any work is undertaken or uses established pursuant to such permit or other authorization is unlawful. No action may be taken by a board, agency, or employee of the Municipality purporting to validate such a violation.

**§ 26-110. Waivers. [Ord. No. 2022-133, 11/2/2022]**

1. If the Municipality determines that any requirement under this Part cannot be achieved for a particular regulated activity, the Municipality may, after evaluating alternatives, approve measures other than those in this Part, subject to § 26-110, Subsections 2 and 3.
2. Waivers or modifications of the requirements of this Part may be approved by the Municipality if enforcement will exact undue hardship because of peculiar conditions pertaining to the land in question, provided that the modifications will not be contrary to the public interest and that the purpose of the Part is preserved. Cost or financial burden shall not be considered a hardship. Modification may be considered if an alternative standard or approach will provide equal or better achievement of the purpose of the Part. A request for modifications shall be in writing and accompany the stormwater management site plan submission. The request shall provide the facts on which the request is based, the provision(s) of the Part involved, and the proposed modification.
3. No waiver or modification of any regulated stormwater activity involving earth disturbance greater than or equal to one acre may be granted by the Municipality unless that action is approved in advance by the Department of

Environmental Protection (DEP) or the delegated county conservation district.

**§ 26-111. Amendment. [Ord. No. 2022-133, 11/2/2022]**

Amendments to the appendices and tables attached to this Part may be made from time to time by resolution of the approval body.

**B. Definitions.**

**§ 26-112. Terms Defined. [Ord. No. 2022-133, 11/2/2022]**

1. For the purposes of this Part, certain terms and words used herein shall be interpreted as follows:
  - A. Words used in the present tense include the future tense; the singular number includes the plural, and the plural number includes the singular; words of masculine gender include feminine gender, and words of feminine gender include masculine gender.
  - B. The word "includes" or "including" shall not limit the term to the specific example but is intended to extend its meaning to all other instances of like kind and character.
  - C. The words "shall" and "must" are mandatory; the words "may" and "should" are permissive.
  - D. Any term defined within 25 PA Code (Chapter 102) shall be the default definition.
2. These definitions do not necessarily reflect the definitions contained in pertinent regulations or statutes and are intended for this Part only.

**AGRICULTURAL ACTIVITY** — Activities associated with agriculture such as agricultural cultivation, agricultural operation, and animal heavy use areas. This includes the work of producing crops, including tillage, land clearing, plowing, disking, harrowing, planting, harvesting crops, or pasturing and raising of livestock and installation of conservation measures. Construction of new buildings or impervious area is not considered an agricultural activity.

**APPLICANT** — A landowner, developer, or another person who has filed an application to the municipality for approval to engage in any regulated activity at a project site in the municipality.

**BEST MANAGEMENT PRACTICE (BMP)** — 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 Part. Stormwater BMPs

are commonly grouped into one of two broad categories or measures: "structural" or "nonstructural." In this Part, nonstructural BMPs or measures refer to operational and/or behavior-related practices that attempt to minimize the contact of pollutants with stormwater runoff, whereas structural BMPs or measures are those 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 retention 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.

**CARBONATE GEOLOGY** — See definition of "karst."

**CG-1 (CONTROL GUIDELINE -1)** — A standard method for design flood estimation in ungauged catchments that investigates set design storms characterized by a specific duration, temporal distribution, rainfall intensity, return frequency, and total depth of rainfall.

**CG-2 (CONTROL GUIDELINE - 2)** — A simplified method for design storm estimation that is focused on capturing and removing the first flush of stormwater runoff. This method is applicable to designing projects with a land disturbance of 0.5 acres or less.

**CLEAN WATER ACT (CWA)** — The Federal Water Pollution Control Act, as amended, 33 U.S.C.A. §§ 1251-1387.

**CLEANING AGENT** — Any product, substance, or chemical other than water that is used to clean.

**CONSERVATION DISTRICT** — A conservation district, as defined in Section 3(c) of the Conservation District Law [3 P. S. § 851(c)] that has the authority under a delegation agreement executed with DEP to administer and enforce all or a portion of the regulations promulgated under 25 Pa. Code 102.

**DEP** — The Pennsylvania Department of Environmental Protection.

**DESIGN STORM** — The magnitude and temporal distribution of precipitation from a storm event measured in probability of occurrence (e.g., a five-year storm) and duration (e.g., 24 hours) used in the design and evaluation of stormwater management systems. Also see "return period."

**DETENTION VOLUME** — The volume of runoff that is captured and released into the waters of the Commonwealth at a controlled rate.



DEVELOPMENT SITE (SITE) — See "project site."

DISTURBED AREA — An unstabilized land area where an earth disturbance activity is occurring or has occurred.

EARTH DISTURBANCE ACTIVITY — A construction or other human activity which disturbs the surface of the land, including, but not limited to: clearing and grubbing; grading; excavations; embankments; road maintenance; building construction; and the moving, depositing, stockpiling, or storing of soil, rock, or earth materials.

EROSION — The natural process by which the surface of the land is worn away by water, wind, or chemical action.

EXISTING CONDITION — The dominant land cover during the five-year period immediately preceding a proposed regulated activity.

FEMA — Federal Emergency Management Agency.

FLOODPLAIN — Any land area susceptible to inundation by water from any natural source or delineated by applicable FEMA maps and studies as being a special flood hazard area. It also includes areas that comprise Group 13 Soils, as listed in Appendix A of the Pennsylvania DEP Technical Manual for Sewage Enforcement Officers (as amended or replaced from time to time by DEP).

FLOODWAY — The channel of the watercourse and those portions of the adjoining floodplains that are reasonably required to carry and discharge the 100-year flood. Unless otherwise specified, the boundary of the floodway is as indicated on maps and flood insurance studies provided by FEMA. In an area where no FEMA maps or studies have defined the boundary of the 100-year floodway, it is assumed – absent evidence to the contrary – that the floodway extends from the stream to 50 feet from the top of the bank of the stream.

FOREST MANAGEMENT/TIMBER OPERATIONS — Planning and activities necessary for the management of forestland. These include conducting a timber inventory, preparation of forest management plans, silvicultural treatment, cutting budgets, logging road design and construction, timber harvesting, site preparation, and reforestation.

GREEN INFRASTRUCTURE — Systems and practices that use or mimic natural processes to infiltrate, evapotranspire, or reuse stormwater on the site where it is generated.

HEC-RAS (HYDROLOGICAL ENGINEERING CENTER – RIVER ANALYSIS SYSTEM) — Is a hydraulic modeling program based on four types of analysis in rivers: Steady Flow, Unsteady Flow, Sediment Transport, and

Water Quality Analysis. Models simulate the flow in natural riverbeds or artificial channels to determine water levels using various data inputs. HEC-RAS Analyses are primarily developed for flood studies and determining potential drainage impacts to waterways.

**HYDROLOGIC SOIL GROUP (HSG)** — Infiltration rates of soils vary widely and are affected by subsurface permeability as well as surface intake rates. Soils are classified into four HSGs (A, B, C, and D) according to their minimum infiltration rate, which is obtained for bare soil after prolonged wetting. The NRCS defines the four groups and provides a list of most of the soils in the United States and their group classification. The soils in the area of the development site may be identified from a soil survey report that can be obtained from local NRCS offices or conservation district offices. Soils become less pervious as the HSG varies from A to D (NRCS<sup>2</sup>).

**ILLICIT CONNECTION** — Any physical connection to a municipal separate storm sewer system that can convey illicit discharges into the system.

**ILLICIT DISCHARGE** — Any discharge to a municipal separate storm sewer that is not composed entirely of stormwater, except non-stormwater discharges as described in the "Discharges Authorized by this General Permit" section of this general permit. Examples of illicit discharges include dumping of motor vehicle fluids, household hazardous wastes, grass clippings, leaf litter, animal wastes, or unauthorized discharges of sewage, industrial waste, restaurant wastes, or any other non-stormwater waste into a municipal separate storm sewer system. Illicit discharges can be accidental or intentional.

**IMPAIRED WATERS** — Surface waters that fail to attain one or more of their designated uses under 25 Pa. Code Chapter 93 and as listed in Categories 4 and 5 of Pennsylvania's Integrated Water Quality Monitoring and Assessment Report.

**IMPERVIOUS SURFACE (IMPERVIOUS AREA)** — A surface that prevents the infiltration of water into the ground. Impervious surfaces (or areas) shall include, but not be limited to: roofs; additional indoor living spaces, patios, garages, storage sheds, and similar structures; and any new streets, driveway, access drives, parking areas, and sidewalks. Any areas designed to be covered by loose surfacing materials such as gravel, stone, and/or crushed stone and intended for storage of and/or travel by motorized or nonmotorized vehicles or travel by pedestrians shall be considered impervious. Surfaces or areas designed, constructed, and maintained to permit infiltration as specified herein may be considered pervious. For the purposes of this Part, a surface or area shall not be considered impervious if such surface or area does not diminish the capacity for infiltration of stormwater for storms up to, and including, a two-year, twenty-four-hour storm event.

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2. **Editor's Note:** See § 26-162, Subsections 1 and 2.

**KARST** — A type of topography or landscape characterized by surface depressions, sinkholes, rock pinnacles/uneven bedrock surface, underground drainage, and caves. Karst is formed on carbonate rocks, such as limestone or dolomite.

**LAND DEVELOPMENT (DEVELOPMENT)** — Inclusive of any or all of the following meanings: i) the improvement of one lot or two or more contiguous lots, tracts, or parcels of land for any purpose involving a) a group of two or more buildings or b) the division or allocation of land or space between or among two or more existing or prospective occupants by means of, or for the purpose of streets, common areas, leaseholds, condominiums, building groups, or other features; ii) any subdivision of land; iii) development in accordance with § 503(1.1) of the PA Municipalities Planning Code.

**LOW IMPACT DEVELOPMENT (LID)** — Site design approaches and small-scale stormwater management practices that promote the use of natural systems for infiltration, evapotranspiration, and reuse of rainwater. LID can be applied to new development, urban retrofits, and revitalization projects. LID utilizes design techniques that infiltrate, filter, evaporate, and store runoff close to its source. Rather than rely on large-scale conveyance and treatment systems, LID addresses stormwater through a variety of small, cost-effective landscape features located on-site.

**MUNICIPAL SEPARATE STORM SEWER** — A conveyance or system of conveyances (including roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, man-made channels, or storm drains): i) Owned or operated by a state, city, town, Municipality, county, parish, district, association, or other public body (created by or pursuant to state law) having jurisdiction over disposal of sewage, industrial wastes, stormwater, or other wastes, including special districts under state law such as a sewer district, flood control district or drainage district, or similar entity, or an Indian tribe or an authorized Indian tribal organization, or a designated and approved management agency under section 208 of the CWA that discharges to surface waters; ii) Designed or used for collecting or conveying stormwater; iii) Which is not a combined sewer; and iv) Which is not part of a publicly owned treatment works (POTW) as defined at 40 CFR 122.2. [25 Pa. Code § 92a.32(a) and 40 CFR § 122.26(b)(8)]

**MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4)** — All separate storm sewers that are defined as "large" or "medium" or "small" municipal separate storm sewer systems pursuant to 40 CFR §§ 122.26(b)(4), (b)(7), and (b)(16), respectively, or designated under 40 CFR § 122.26(a)(1)(v). [25 Pa. Code § 92a.32(a) and 40 CFR § 122.26(b)(18)]

**MUNICIPALITY** — Oxford Township, Adams County, Pennsylvania.

**NON-STRUCTURAL BMPs** — Actions that involve management and source controls such as 1) policies and ordinances that provide requirements and

standards to direct growth to identified areas, promote redevelopment, protect areas such as wetlands and riparian areas, maintain and/or increase open space, provide buffers along water bodies, minimize impervious surfaces, and minimize disturbance of soils and vegetation; 2) education programs for developers and the public about minimizing water quality impacts; 3) measures such as minimizing the percentage of impervious area after development, use of measures to minimize directly connected impervious areas, and source control measures such as good housekeeping, maintenance, and spill prevention; and other BMPs as referenced in the current version of the Pennsylvania Stormwater BMP Manual.

**NRCS** — Natural Resources Conservation Service, a subset of the United States Department of Agriculture.

**OUTFALL** — A point source as defined by 40 CFR § 122.2 at the point where a municipal separate storm sewer discharges to surface waters and does not include open conveyances connecting two municipal separate storm sewers, or pipes, tunnels, or other conveyances which connect segments of the same stream or other surface waters and are used to convey surface waters. [25 Pa. Code § 92a.32(a) and 40 CFR § 122.26(b)(9)]

**OWNER OR OPERATOR** — The owner or operator of any "facility" or "activity" subject to regulation under the NPDES program. [25 Pa. Code § 92a.3(b)(1) and 40 CFR § 122.2]

**PEAK DISCHARGE** — The maximum rate of stormwater runoff from a specific storm event.

**PERMITTEE** — The owner or operator of a regulated small MS4 authorized to discharge under the terms of this general permit.

**PERVIOUS AREA** — Any area not defined as impervious.

**POINT SOURCE** — A discernible, confined, and discrete conveyance, including, but not limited to, any pipe, ditch, channel, tunnel, conduit, well, discrete fissure, container, rolling stock, concentrated aquatic animal production facility (CAAP), concentrated animal feeding operation (CAFO), landfill leachate collection system, or vessel or other floating craft from which pollutants are or may be discharged. (25 Pa. Code § 92a.2)

**POLLUTANT** — Any contaminant or other alteration of the physical, chemical, biological, or radiological integrity of surface water which causes or has the potential to cause pollution as defined in section 1 of the Pennsylvania Clean Streams Law, 35 P.S. § 691.1. (25 Pa. Code § 92a.2)

**PROJECT SITE** — The specific area of land where any regulated activities in the municipality are planned, conducted, or maintained.

PSRM — The Penn State Runoff Model.

PULS METHOD — The Modified PULS routing method, also known as storage routing or level-pool routing, is based upon a finite difference approximation of the continuity equation, coupled with an empirical representation of the momentum equation (Chow, 1964; Henderson, 1966).

QUALIFIED PROFESSIONAL — Any person licensed by the Pennsylvania Department of State or otherwise qualified by law to perform the work required by this Part.

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 EARTH DISTURBANCE ACTIVITY — Activity involving earth disturbance subject to regulation under 25 Pa. Code 92, 25 Pa. Code 102, or the Clean Streams Law.

RETENTION VOLUME/REMOVED RUNOFF — The volume of runoff that is captured and not released directly into the surface waters of this Commonwealth during or after a storm event.

RETURN PERIOD — The average interval, in years, within which a storm event of a given magnitude can be expected to occur one time. For example, the twenty-five-year return period rainfall would be expected to occur on average once every 25 years; or stated in another way, the probability of a twenty-five-year storm occurring in any one year is 0.04 (i.e., a 4% chance).

RIPARIAN BUFFER — A permanent area of trees and shrubs located adjacent to streams, lakes, ponds and wetlands.

RUNOFF — Any part of precipitation that flows over the land.

SCS CURVE NUMBER METHOD — The SCS curve number method is simple, widely used, and an efficient method for determining the approximate amount of runoff from a rainfall event in a particular area. Although the method is designed for a single storm event, it can be scaled to find average annual runoff values. The curve number is based on the area's hydrologic soil group, land use, treatment, and hydrologic condition.

SEDIMENT — Soils or other materials transported by surface water as a product of erosion.

STATE WATER QUALITY REQUIREMENTS — The regulatory requirements to protect, maintain, reclaim, and restore water quality under Title 25 of the Pennsylvania Code and the Clean Streams Law.

**STORMWATER** — Drainage runoff from the surface of the land resulting from precipitation or snow or ice melt.

**STORMWATER MANAGEMENT FACILITY** — Any structure, natural or man-made, that, due to its condition, design, or construction, conveys, stores, or otherwise affects stormwater runoff. Typical stormwater management facilities include but are not limited to: detention and retention basins; open channels; storm sewers; pipes; and infiltration facilities.

**STORMWATER MANAGEMENT SITE PLAN** — The plan prepared by the developer or their representative indicating how stormwater runoff will be managed at the development site in accordance with this Part. Stormwater management site plan will be designated as SWM site plan throughout this Part.

**STRUCTURAL BMPs** — Stormwater storage and management practices including, but not limited to, wet ponds and extended detention outlet structures; filtration practices such as grassed swales, sand filters, and filter strips; infiltration practices such as infiltration basins and infiltration trenches; and other BMPs as referenced in the current version of the Pennsylvania Stormwater BMP Manual.

**SUBDIVISION** — As defined in The Pennsylvania Municipalities Planning Code, Act of July 31, 1968, P.L. 805, No. 247.

**SURFACE WATERS** — Perennial and intermittent streams, rivers, lakes, reservoirs, ponds, wetlands, springs, natural seeps, and estuaries, excluding water at facilities approved for wastewater treatment such as wastewater treatment impoundments, cooling water ponds, and constructed wetlands used as part of a wastewater treatment process. (25 Pa. Code § 92a.2)

**TOTAL MAXIMUM DAILY LOAD (TMDL)** — The sum of individual waste load allocations for point sources, load allocations for nonpoint sources and natural quality, and a margin of safety expressed in terms of mass per time, toxicity, or other appropriate measures. (25 Pa. Code § 96.1)

**URBANIZED AREA (UA)** — Land area comprising one or more places [central place(s)] and the adjacent densely settled surrounding area (urban fringe) that together have a residential population of at least 50,000 and an overall population density of at least 1,000 people per square mile, as defined by the United States Bureau of the Census and as determined by the latest available decennial census. The UA outlines the extent of automatically regulated areas.

**USDA** — United States Department of Agriculture.

**WASTELOAD ALLOCATION (WLA)** — The portion of a surface water's loading capacity that is allocated to existing and future point source discharges. (25 Pa. Code § 96.1)

**WATER QUALITY CRITERIA** — Numeric concentrations, levels, or surface water conditions that need to be maintained or attained to protect existing and designated uses. (25 Pa. Code § 93.1)

**WATER QUALITY STANDARDS** — The combination of water uses to be protected and the water quality criteria necessary to protect those uses. (25 Pa. Code § 92a.2)

**WATERS OF THIS COMMONWEALTH** — Any and all rivers, streams, creeks, rivulets, impoundments, ditches, watercourses, storm sewers, lakes, dammed water, wetlands, ponds, springs, and all other bodies or channels of conveyance of surface and underground water, or parts thereof, whether natural or artificial, within or on the boundaries of this Commonwealth.

**WATERSHED** — Region or area drained by a river, watercourse, or other surface water of this Commonwealth.

**WETLAND** — Areas that are inundated or saturated by surface or groundwater at a frequency and duration sufficient to support, and that under normal circumstances do support a prevalence of vegetation typically adapted for life in saturated soil conditions, including swamps, marshes, bogs, and similar areas.

### **C. Stormwater Management Standards.**

#### **§ 26-113. General Requirements. [Ord. No. 2022-133, 11/2/2022]**

1. Regulated activities are subject to the following permitting requirements:
  - A. Regulated activities that involve proposal of less than 10,000 square feet of impervious surface, where the total cumulative impervious added since October 29, 2012 is less than 10,000 square feet, and where the disturbed area is less than one acre, may be exempted from portions of Article III (Stormwater Management Standards) including § 26-115 (Volume Control) and § 26-116 (peak rate control), and Subpart D (SWM site plan requirements) including § 26-130 (Financial Security) of this Part. These regulated activities are considered small projects. For these activities the applicant shall complete requirements as defined by the small project approach (see Appendix C). The regulated activity shall be subject to all other requirements of this Part other than related requirements for which an exemption or exemptions have been authorized.

- (1) The Municipality may deny exemptions, suspend, or revoke any approved exemption at any time for any project where the Municipality believes the regulated activity poses a threat to public health, safety, property, or the environment.
  - (2) The Municipality reserves the right to deny an exemption if a drainage problem is known or identified by the Municipality to exist or is expected to exist downstream from the proposed regulated activity.
- B. Regulated activities that propose greater than 10,000 square feet of new impervious area shall be required to follow the requirements set forth in Subpart D (SWM site plan Requirements).
  - C. No regulated activities shall commence until the municipality issues written approval of a SWM site plan or other applicable authorization which demonstrates compliance with the requirements of this Part.
2. SWM site plans approved by the municipality, in accordance with § 26-128 (Authorization to Construct and Term of Validity), shall be on-site throughout the duration of the regulated activity.
  3. The municipality may, after consultation with DEP, approve measures for meeting the state water quality requirements other than those in this Part, provided that they meet the minimum requirements of, and do not conflict with, state law including, but not limited to, the Clean Streams Law.<sup>3</sup>
  4. For all regulated earth disturbance activities, erosion and sediment control BMPs shall be designed, implemented, operated, and maintained during the regulated earth disturbance activities (e.g., during construction beginning with initial topsoil removal and through the conversion and operation of all Post Construction Stormwater Management to meet the purposes and requirements of this Part and to meet all requirements under Title 25 of the Pennsylvania Code and the Clean Streams Law. Various BMPs and their design standards are listed in the Erosion and Sediment Pollution Control Program Manual (E&S Manual<sup>4</sup>), No. 363-2134-008, as amended and updated.
  5. Impervious areas:
    - A. The measurement of impervious areas shall include all of the impervious areas in the total proposed development, even if development is to take place in stages.
    - B. For development taking place in stages, the entire development plan must be used in determining conformance with this Part.

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3. Editor's Note: See 35 P.S. § 691.1 et seq.

4. Editor's Note: See § 26-162, Subsection 3.



- C. For projects that add impervious area to a parcel, the total impervious area on the parcel is subject to the requirements of this Part; except that the volume controls in § 26-115 and the peak rate controls of § 26-116 do not need to be retrofitted to existing impervious areas that are not being altered by the proposed regulated activity.
6. Stormwater flows onto adjacent property shall not be created, increased, decreased, relocated, or otherwise altered. Such stormwater flows shall be subject to the requirements of this Part.
7. All regulated activities shall include such measures as necessary to:
  - A. Protect health, safety, and property.
  - B. Meet the water quality goals of this Part by implementing measures to:
    - (1) Minimize disturbance to floodplains, wetlands, and wooded areas.
    - (2) Maintain or extend riparian buffers.
    - (3) Avoid erosive flow conditions in natural flow pathways.
    - (4) Minimize thermal impacts to waters of this Commonwealth.
    - (5) Disconnect impervious surfaces by directing runoff to pervious areas, wherever possible.
  - C. Incorporate methods described in the Pennsylvania Stormwater Best Management Practices Manual (BMP Manual<sup>5</sup>). If methods other than green infrastructure and LID methods are proposed to achieve the volume and rate controls required under this Part, the SWM site plan must include a detailed justification demonstrating that the use of LID and green infrastructure is not practicable.
8. The design of all facilities over karst geology shall include an evaluation of measures to minimize adverse effects.
9. Infiltration BMPs should be spread out such that impervious BMP loading ratios are less than or equal to 5:1, made as shallow as practicable, and located to maximize use of natural on-site infiltration features while still meeting the other requirements of this Part.
10. Unless designed as a retention pond with permanent ponding, storage facilities should completely drain both the volume control and rate control capacities over a period of time not more than 72 hours from the end of the design storm.

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5. Editor's Note: See § 26-162, Subsection 4.

11. The design storm precipitation depth to be used in the analysis of peak rates of discharge should be obtained from the latest version of the Precipitation-Frequency Atlas of the United States, National Oceanic and Atmospheric Administration (NOAA), National Weather Service, Hydrometeorological Design Studies, Center, Silver Spring, Maryland. NOAA's Atlas 145 can be accessed at: <http://hdsc.nws.noaa.gov/hdsc/pfds/>.
12. For all regulated activities, SWM BMPs shall be designed, implemented, operated, and maintained to meet the purposes and requirements of this Part and to meet all requirements under Title 25 of the Pennsylvania Code, the Clean Streams Law, and the Storm Water Management Act. Various BMPs and their design standards are listed in the BMP Manual.<sup>6</sup>
13. Financial security for the completion of stormwater management facilities is set forth in §§ 26-129 and 26-130 of this Part.

**§ 26-114. Exemptions. [Ord. No. 2022-133, 11/2/2022]**

1. Agricultural activity is exempt from the SWM site plan preparation requirements of this Part, provided the activities are performed according to the requirements of 25 Pa. Code Chapter 102.
2. Forest management and timber operations are exempt from the SWM site plan preparation requirements of this Part, provided the activities are performed according to the requirements of 25 Pa. Code Chapter 102.
3. The use of land for domestic (i.e., for a single individual dwelling unit) gardening and landscaping is exempt from specific approval and permitting under this Part so long as such activities comply with all other applicable ordinances and statutes.
4. Exemptions from any provisions of this Part shall not relieve the applicant from the requirements in § 26-113, Subsection 4 through 12.
5. The Municipality may deny or revoke any exemption pursuant to this section at any time for any project that the Municipality believes may pose a threat to public health and safety or the environment.

**§ 26-115. Volume Controls. [Ord. No. 2022-133, 11/2/2022]**

1. Green infrastructure and low-impact development practices provided in the BMP Manual<sup>7</sup> shall be utilized for all regulated activities wherever possible. Water volume controls shall be implemented using the Design Storm Method in Subsection 1A or the Simplified Method in Subsection 1B below. This Part establishes that only the Design Storm Method may be used for regulated

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6. Editor's Note: See § 26-162, Subsection 4.

7. Editor's Note: See § 26-162, Subsection 4.

activities that add greater than 1/2 acre of new impervious area or disturb greater than one acre of total area.

- A. The Design Storm Method (CG-1 in the BMP Manual<sup>8</sup>) is applicable to any size of regulated activity. This method requires detailed modeling based on site conditions, as verified through design phase soil infiltration testing.
- (1) Do not increase the post-development total runoff volume for all storms equal to or less than the two-year, twenty-four-hour duration precipitation.
  - (2) For modeling purposes:
    - (a) Existing (predevelopment) nonforested pervious areas must be considered meadow in good condition.
    - (b) Twenty percent of existing impervious areas to be disturbed by the project, when present, shall be considered meadow in good condition in the model for existing conditions. Regulated activities not requiring an NDPES permit are exempt from this requirement.
- B. The Simplified Method (CG-2 in the BMP Manual<sup>9</sup>) provided below is independent of site conditions and should be used if the Design Storm Method is not followed. This method is not applicable for regulated activities that add greater than 1/2 acre of new impervious area. For new impervious surfaces:
- (1) Stormwater facilities shall capture and store the first two inches of runoff from all new impervious surfaces.
  - (2) At least the first one inch of runoff from new impervious surfaces shall be permanently removed from the runoff flow, i.e., it shall not be released into the surface waters of this Commonwealth. Removal options include reuse, evaporation, transpiration, and infiltration.
  - (3) Wherever possible, infiltration facilities should be designed to accommodate infiltration of the entire permanently removed runoff; however, in all cases, at least the first 0.5 inch of the permanently removed runoff should be infiltrated.
  - (4) Volume not infiltrated or otherwise permanently removed (up to one inch) shall be detained using BMPs and released at a controlled rate.

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8. Editor's Note: See § 26-162, Subsection 4.

9. Editor's Note: See § 26-162, Subsection 4.

**§ 26-116. Rate Controls. [Ord. No. 2022-133, 11/2/2022]**

1. For computation of pre-development peak discharge rates, 20% of existing impervious areas to be disturbed by the project, when present, shall be considered meadow. Regulated activities not requiring an NDPES permit are exempt from this requirement.
2. Post-development discharge rates shall not exceed the pre-development discharge rates for the one-, two-, five-, ten-, twenty-five-, fifty-, and 100-year, twenty-four-hour storm events. If it is shown that the peak rates of discharge indicated by the post-development analysis are less than or equal to the peak rates of discharge indicated by the pre-development analysis for one-, two-, five-, ten-, twenty-five-, fifty-, and 100-year, twenty-four-hour storms, then the requirements of this section have been met. Otherwise, the applicant shall provide additional controls as necessary to satisfy the peak rate of discharge requirement.

**§ 26-117. Riparian Buffers. [Ord. No. 2022-133, 11/2/2022]**

1. If a riparian buffer is proposed as part of a plan as a BMP intended to protect and improve water quality, a riparian buffer easement shall be created and recorded.
2. Except as required by Chapter 102 Erosion and Sediment Control, the riparian buffer easement shall be measured to be the greater of the limit of the 100-year floodplain or a minimum of 35 feet from the top of the streambank (on each side).
3. Minimum Management Requirements for riparian buffers.
  - A. Existing native vegetation shall be protected and maintained within the riparian buffer easement.
  - B. Whenever practicable invasive vegetation shall be actively removed, and the riparian buffer easement shall be planted with native trees, shrubs, and other vegetation to create a diverse native plant community appropriate to the intended ecological context of the site.
4. The riparian buffer easement shall be enforceable by the municipality and shall be recorded in the appropriate County Recorder of Deeds Office so that it shall run with the land and shall limit the use of the property located therein. The easement shall allow for the continued private ownership and shall count toward the minimum lot area required by Zoning unless otherwise specified in the Municipal Zoning Ordinance.
5. Any permitted use within the riparian buffer easement shall be conducted in a manner that will maintain the extent of the existing 100-year floodplain, improve or maintain the stream stability, and preserve and protect the ecological function of the floodplain.

6. The following conditions shall apply when public and/or private recreation trails are permitted within riparian buffers:
  - A. Trails shall be for nonmotorized use only.
  - B. Trails shall be designed to have the least impact on native plant species and other sensitive environmental features.
7. Septic drain fields and sewage disposal systems shall not be permitted within the riparian buffer easement and shall comply with setback requirements established under 25 Pa. Code Chapter 73.

**§ 26-118. Design Criteria. [Ord. No. 2022-133, 11/2/2022]**

1. **Off-Site Areas.** Off-site areas which drain through a proposed development site are not subject to release rate criteria when determining allowable peak runoff rates. However, on-site drainage facilities shall be designed to safely convey off-site flows through the development site for the 100-year storm.
2. **On-Site Areas.** On-site areas proposed to remain undisturbed as part of the regulated activity, including previously developed areas, shall be considered as existing conditions.
3. **Downstream Hydraulic Capacity Analysis.** The downstream capacity hydraulic analysis shall be conducted in accordance with this Part.
  - A. All downstream facilities impacted by the total site area of the regulated facility shall be studied to determine if the facility has adequate capacity to handle existing and proposed flows. An impacted downstream facility is one to which the runoff from the total site area of the regulated activity comprises more than 50% of the total flow to such a facility. The study shall end at a perennial stream unless directed otherwise by the Municipal Engineer. Downstream facilities include, but are not limited to, man-made or natural swales and open channels, pipes, inlets, culverts, bridges, and roadways.
  - B. If any facility is found to be undersized, the applicant shall be responsible for evaluating the impact of the regulated activity and mitigating any negative impacts.
4. **Regional Detention Alternatives.** For certain areas within the study area, it may be more cost-effective to provide one control facility for more than one development site than to provide an individual control facility for each development site. The initiative and funding for any regional runoff control alternatives are the responsibility of prospective developers. The design of any regional control basins must incorporate reasonable development of the entire upstream watershed. The peak outflow of a regional basin would be determined on a case-by-case basis using the hydrologic model of the watershed consistent with the protection of the downstream watershed

areas. "Hydrologic model" refers to the calibrated model as developed for the stormwater management plan.

5. Capacity improvements may also be provided as necessary to implement any regional or sub-regional detention alternatives.
6. Watershed Integrity. Stormwater runoff shall not be transferred from one watershed to another unless the watersheds are sub-watersheds of a common watershed that join together within the perimeter of the property. The transfer of watersheds may be permitted in the event the transfer does not alter the peak discharge onto downstream lands, or drainage easements are acquired from the affected landowners.
7. Design Standards — Collection Systems.
  - A. Storm sewer pipes, other than those used for street subbase underdrains, shall have a minimum diameter of 15 inches. Structural calculations that address the actual design requirements will be required where installation conditions merit.
  - B. Storm sewer pipes and culverts shall be installed with a minimum slope of 0.5%.
  - C. Allowable pipes, culvert, and bridge materials shall be as outlined in the municipality's Construction and Material Specifications.
  - D. All storm sewer crossings and culvert crossings of streets shall not deviate by more than 15° from perpendicular to the street center line.
  - E. Design storm frequency to be used for:
    - (1) All storm sewer pipes, culverts, bridges, gutters, and swales (excluding outfall structures from stormwater management facilities) conveying water originating only from within the boundaries of the project site shall be designed for a twenty-five-year storm event.
    - (2) All storm sewer pipes, culverts and bridges, gutters, and swales conveying water originating from off-site shall be designed for a fifty-year storm event with provisions to pass the 100-year storm safely through the site.
    - (3) Culverts under sole access drives or streets to a developed property shall be designed to convey the 100-year storm event without roadway overtopping.
    - (4) Drainage and access easements shall be provided to encompass the water surface limits of the 100-year storm event throughout the project site and to provide access from a public street to the stormwater facility. Easements shall begin at the furthest

upstream property line of the proposed development in the watershed.

- (5) When a pipe or culvert is intended to convey the discharge from a stormwater management facility, its required capacity shall be computed by the rational method and compared to the peak outflow from the stormwater facility for the 100-year storm. The greater flow shall govern the design of the pipe or culvert.
  - (6) When a pipe is part of a storm sewer system and crosses the roadway, it shall be designed as a storm sewer with the same design storm as the remainder of the drainage system.
  - (7) A 100-year storm frequency may be required for the design of the stormwater collection system to ensure that the runoff from the post-development storm is directed into the intended management facility.
  - (8) Proposed channels or swales must be able to convey the increased runoff associated with a proposed 100-year return period event within their banks at velocities consistent with protection of the channels from erosion. Acceptable velocities shall be based upon criteria included in the PADEP Erosion and Sediment Pollution Control Program Manual (E&S Manual<sup>10</sup>).
- F. All storm sewer pipes and culverts shall be laid to a minimum depth of 12 inches from finished subgrade to the crown of the pipe in paved and grassed areas, or more if specified by the manufacturer.
- G. Curves or angle points in pipes or box culverts without the use of an inlet or manhole are prohibited unless pre-approved by the municipality. Tee joints, elbows, and wyes shall be limited for use in constructing underground detention facilities, underground retention facilities, underdrain systems, and roof leader collection systems.
- H. Pipe connections to box structures shall not penetrate through the corner of the box.
- I. Manholes, inlets, headwalls, endwalls, and end sections shall conform to the requirements of the PennDOT, Publication 408.
- J. Inlets shall be:
- (1) Placed on both sides of the street at low spots;

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10. Editor's Note: See § 26-162, Subsection 3.

- (2) At a maximum of 600 feet apart along a storm sewer pipe run, and at points of abrupt changes in the horizontal or vertical directions of storm sewers;
  - (3) Shall normally be along the curb line at or beyond the curb radius points;
  - (4) Within the street right-of-way;
  - (5) Designed with a maximum gutter spread (based on the twenty-five-year storm event) no greater than 1/2 of the travel lane width and have a maximum depth of three inches at the curb line, a parking lane shall not be considered as part of the travel lane;
  - (6) Designed at intersections and access driveways to allow the depth of flow to be less than 1 1/2 inches (for the twenty-five-year storm event);
  - (7) In general, spaced such that, based upon the rational method,  $t_c = 5$  min. and ten-year rainfall intensity, the area contributing to the inlet shall not produce a peak runoff of greater than four cfs. Also, inlets shall be spaced so that their efficiency, based upon efficiency curves published by the Pennsylvania Department of Transportation, is not less than 65%.
- K. Flow velocities from any storm sewer may not result in erosion of the receiving channel. Adequate erosion protection shall be provided along all open channels and at all points of discharge.
- L. All other storm sewer manholes and inlets shall have smooth flow lines grouted.
- M. Headwalls and endwalls shall be used where stormwater runoff enters or leaves the storm sewer horizontally from a natural or man-made channel. In all cases where drainage is picked up by means of a headwall, the pipe shall be designed as a culvert. Inlet and outlet conditions shall be analyzed. PennDOT type "dw" headwalls and endwalls shall be utilized for pipes 15 inches and larger in diameter. End sections shall be utilized for pipes smaller than 15 inches in diameter. An entrance condition analysis must be performed according to PennDOT Publication 13M, Chapter 10, Drainage Design and Related Procedures.
- N. Guards shall be provided on all intake and outfall structures as well as outlet structures. The guard bars shall be 1/2-inch diameter galvanized bars on six-inch centers attached to the structure with 3/8-inch diameter stainless steel anchors. Guards shall also be provided for any pipe opening, 18 inches in diameter or larger.



- O. For all swales, capacities, and velocities shall be computed using the Manning Equation. The following design considerations shall be met:
    - (1) Two analyses of channel velocity and stability shall be provided with each swale design. One analysis shall be based upon the swale in an unvegetated state with control matting, and the second shall consider the channel in permanent, designed conditions.
    - (2) All swales shall have a minimum slope of 1% unless otherwise approved by the Municipal Engineer.
  - P. Placement or use of BMPs within the public street right-of-way shall be prohibited.
8. Design Standards — General BMP regulations:
- A. The design of all BMP facilities shall incorporate best engineering practices. The design engineer shall utilize all available design criteria in the BMP Manual to meet the requirements of this Part and shall provide all the necessary backup documentation with their submittal.
  - B. The BMPs must be designed to protect and maintain existing uses and maintain the level of Water Quality necessary to protect those uses in all streams, and to protect and maintain Water Quality in "Special Protection" streams, as required by statewide regulations at 25 Pa. Code Chapter 93.
  - C. No regulated earth disturbance activities within the Municipality shall commence until approval by the Municipality of a plan that ensures post-construction stormwater discharges do not degrade the physical, chemical, or biological characteristics of the receiving waters.
9. Design Standards - Subsurface Infiltration Facilities:
- A. Positive overflow must be provided in the subsurface infiltration facility. Overflow structures or pipes must be designed to convey the inflow capacity of the facility. Volume control credits may not be used above the lowest invert of the positive overflow structure or pipe.
  - B. The minimum allowable distance between a subsurface infiltration facility and structure/building/retaining wall is 10 feet.
  - C. The subsurface infiltration facility must be located at least two feet above any limiting zone, i.e., seasonal high groundwater table, bedrock, or poorly infiltrating soils.
  - D. Soils with rates exceeding 10 inches per hour require soil amendments. During construction, upon reaching the subgrade of the infiltration facility, a two-foot-thick layer of soil amendments must be

spread across the entire facility bottom area, below the designed bottom of the facility. Soil media infiltration rate must be provided upon design.

- E. The infiltration facility must include an acceptable form of pretreatment before stormwater enters the facility.
  - F. Subsurface infiltration facilities may not use a geotextile liner to separate the storage area from the subgrade. Geotextile liners may only be used on the sides and top. AASHTO Class 1 or Class 2 geotextile is recommended.
  - G. Subsurface infiltration facilities must contain a cleanout or observation well at the end of any portion of underdrain. The observation well or cleanout must be placed at the invert of the stone bed and extend up to grade. Adequate inspection and maintenance access to the observation well or cleanout must be provided.
  - H. In subsurface infiltration facilities that include chamber, pipe, or other storage systems, a sufficient number of access features must be provided to efficiently inspect and maintain the infiltration area.
  - I. Perforated distribution pipes must contain a bedding of at least four inches separating the pipe and subgrade.
  - J. Infiltration testing standards set forth in Appendix B shall be followed when designing a subsurface infiltration facility.
10. Design Standards; Detention and Retention Basins.
- A. Permanent detention and retention basins shall be designed to meet the following standards:
    - (1) The maximum permitted depth for detention or retention basins shall be six feet, measured from the bottom of the emergency spillway to the lowest point in the basin.
    - (2) The minimum top width of all basin embankments shall be eight feet.
    - (3) The maximum permitted inside side-slopes for detention or retention basins shall be four to one vertical. Three to one vertical inside side-slopes may be approved upon furnishing an appropriate planting schedule. The maximum permitted outside side-slopes shall be three to one vertical and utilize a seed mix designed for embankments. Areas for vehicle access shall be provided and encompassed by a twenty-foot-wide easement and shall have slopes no greater than five to one vertical. The proposed vegetation shall be low-maintenance varieties.

- (4) Any stormwater management facility (i.e., detention basin) designed to store runoff and requiring a berm or earthen embankment required or regulated by this Part shall be designed to provide an emergency spillway to handle flow up to and including the 100-year, twenty-four-hour design storm at post-development conditions, assuming the principal outlet structure to be clogged. The height of the embankment must be set as to provide a minimum of one foot of freeboard above the maximum elevation computed. Should any stormwater management facility require a dam safety permit under PADEP 25 Pa.Code, Chapter 105, the facility shall be designed in accordance with PADEP 25 Pa.Code, Chapter 105, and meet the regulations of PADEP 25 Pa.Code, Chapter 105, concerning dam safety which may be required to pass storms larger than the 100-year event.
- (5) A cutoff trench composed of impervious material, four feet minimum in width, shall be provided within all basin embankments. The top of the cutoff trench should be six inches from the spillway elevation.
- (6) Where a basin embankment is constructed using fill on an existing 15% or greater slope, the basin must be keyed into the existing grade.
- (7) Fencing. Any aboveground stormwater management detention/retention facility that is designed to store at least a two-foot depth of runoff shall be subject to the following fencing requirements:
  - (a) The stormwater facility must be completely surrounded by a fence of not less than four feet in height with no greater than four-inch openings. Details and/or shop drawings shall be provided for review and approval by the Municipality.
  - (b) All gates or doors opening through such enclosure shall be equipped with a self-closing and self-latching device for keeping the gate or door securely closed at all times, when not in actual use.
- (8) All outlet structures and emergency spillways shall include a nonerosive means of energy dissipation at its outlet to assure conveyance and flow without endangering the safety and integrity of the basin and the downstream drainage area.
- (9) Plans for infiltration must show the locations of existing and proposed septic tank infiltration areas and wells. A minimum twenty-five-foot separation from on-lot disposal systems (OLDS) infiltration areas, including replacement areas, is

desired and will be evaluated by the Municipality on a case-by-case basis. However, the separation shall not be less than the PADEP required 10 feet. Infiltration rates shall be based upon perc and probe tests conducted at the site of the proposed facility.

- (10) Aboveground infiltration facilities shall provide a means of emergency dewatering of the facilities to the bottom elevation. If amended soils are used in the facility bottom, an underdrain shall be placed below or at the bottom of the amended soils to dewater the amended soils in emergency situations.

11. Design Standards; Rain Gardens/Bioretenion Facilities.

A. A rain garden/bioretenion facility is an excavated shallow surface depression or storage area created by an earthen embankment in which amended soils are planted with specific native vegetation to treat and capture runoff. Rain gardens shall meet the following design standards (note: any SWM facility exceeding these design standards shall be considered a retention/detention basin and subject to their design standards):

- (1) The maximum ponding depth shall be 12 inches.
- (2) Infiltration testing standards set forth in Appendix C shall be followed when designing a rain garden facility.
- (3) The bottom of the rain garden storage area must be located at least two feet above any limiting zone, i.e., seasonal high groundwater table, bedrock, or poorly infiltrating soils.
- (4) Pretreatment shall be used in the design of the facility. Pretreatment can include structures such as sumped and trapped inlets, sediment/grit chambers or separators, media filters, inlet inserts, or other appropriate prefabricated or proprietary designs to remove sediment, floatables, and/or hydrocarbons from stormwater runoff prior to being conveyed to a rain garden/bioretenion basin. A facility may be exempt from pretreatment at the discretion of the municipal engineer.
- (5) Maximum side slopes for surface storage areas shall be 4(H):1(V).
- (6) Any stone storage systems incorporated into the rain garden design must be separated from the soil media by a geotextile liner. A geotextile liner shall not be used to separate the stone storage system from the subgrade. Stone storage systems shall have a level bottom or use a terraced system if installed along a slope.

- (7) In the event a sand layer is to be used as part of the underground filtration/storage system. The sand must be placed between the soil medium and stone storage. All sides of the sand must be separated by a geotextile liner.
- (8) The planting soil medium must have a minimum depth of 18 inches. Planting soil shall be a loam soil capable of supporting a healthy vegetative cover. Soils shall be amended with a composted organic material. At a minimum, the organic amended soil shall be combined with 20% to 30% organic material (compost) and 70% to 80% soil base (topsoil) free of clay. Amended soils shall be spread throughout the bottom floor of the facility.
- (9) Underdrains must be provided for all rain gardens and extend throughout the entire rain garden bottom. Underdrains must be surrounded by a stone layer with a minimum of four inches above and below the pipe.
- (10) Rain gardens that are used for volume control credits shall have an underdrain with a valve that is to remain closed at all times unless dewatering the facility to perform maintenance.
- (11) A sufficient number of cleanouts must be provided to access underdrains to allow for maintenance and inspection of the underdrain pipe.
- (12) Native plants shall be utilized and capable of supporting the proposed ponding depth. The designer shall refer to the PA DEP BMP manual for a list of potential native plant species.

**§ 26-119. Regulations Governing SWM Facilities. [Ord. No. 2022-133, 11/2/2022]**

1. Any stormwater facility located on state highway rights-of-way shall be subject to approval by the Pennsylvania Department of Transportation (PennDOT).
2. Any stormwater management facilities regulated by this Part that would be located in or adjacent to waters of the Commonwealth or wetlands shall be subject to approval by PADEP through the joint permit application process or, where deemed appropriate by PADEP, the general permit process. When there is a question of whether wetlands may be involved, it is the responsibility of the developer or his agent to show that the land in question cannot be classified as wetlands; otherwise, approval to work in the area must be obtained from PADEP.
3. Any stormwater management facility located within the vicinity of a floodplain shall be subject to approval in accordance with PADEP 25

Pa.Code, Chapter 105, "Floodplain Management," of PADEP's rules and regulations and the municipal floodplain management regulations.

4. The design of all stormwater management facilities shall incorporate good engineering principles and practices. The Municipality shall reserve the right to disapprove any design that would result in the occupancy or continuation of adverse hydrologic or hydraulic conditions within the watershed.
5. The existing points of concentrated drainage that discharge onto adjacent property shall not be altered without permission of the adjacent property owner(s) and shall be subject to any applicable discharge criteria specified in this Part. New proposed discharge points shall be no closer than 10 feet to the property line in which they are located.
6. Areas of existing diffused drainage discharge shall be subject to any applicable discharge criteria in the general direction of existing discharge, whether proposed to be concentrated or maintained as diffused drainage areas, except as otherwise provided by this Part. If the diffused flow is proposed to be concentrated and discharged onto adjacent property, the developer must document that adequate downstream conveyance facilities exist to safely transport the concentrated discharge or otherwise prove that no erosion, sedimentation, flooding, or other harm will result from the concentrated discharge.
7. Where a development site is traversed by watercourses, twenty-foot-wide minimum drainage easements (10 feet from top of the bank out) shall be provided conforming to the line of such watercourses. The terms of the easement shall prohibit excavation, the placing of fill or structures, and any alterations that may adversely affect the flow of stormwater within any portion of the easement. Also, maintaining of vegetation in a natural state within the easement shall be required, except as approved by the appropriate governing authority.
8. When it can be shown that, due to topographic conditions, natural drainage ways on the site cannot adequately provide for drainage, open channels may be constructed conforming substantially to the line and grade of such natural drainage ways. Work within natural drainage ways shall be subject to approval by PADEP through the joint permit application process or, where deemed appropriate by PADEP, through the general permit process.
9. Roof drains and sump pumps shall discharge to lawns, infiltration or vegetative BMPs, or pervious area to promote overland flow and infiltration/percolation wherever/whenever possible. If the above discharge criteria cannot be met or when it is more advantageous to connect directly to streets, storm sewers or other stabilized conveyance designations, then the discharge will be permitted on a case-by-case basis by the Municipality. All discharges shall be conveyed in a manner so as to not cause water problems on adjoining property owners.

10. Special Requirements for Areas Falling Within Defined Exceptional Value and High-Quality Subwatersheds. The temperature and quality of water and streams that have been declared as exceptional value and high quality are to be maintained as defined in 25 Pa.Code, Chapter 93, "Water Quality Standards," Pennsylvania Department of Environmental Protection rules and regulations. Temperature-sensitive BMP's and stormwater conveyance systems are to be used and designed with storage pool areas and supply outflow channels and should be shaded with trees. This will require modification of berms for permanent ponds and the relaxation of restrictions on planting vegetation within the facilities, provided that capacity for volumes and rate control is maintained. At a minimum, the southern half on pond shorelines shall be planted with shade or canopy trees within 10 feet of the pond shoreline. In conjunction with this requirement, the maximum slope allowed on the berm area to be planted is 10 to one. This will lessen the destabilization of berm soils due to root growth. A long-term maintenance schedule and management plan for the thermal control BMPs are to be established and recorded for all development sites within defined exceptional value and/or high-quality subwatersheds.
11. The use of soil amendment, or amended soil shall not be utilized within the yard area or building envelope of a lot unless approved by the Municipal Engineer or unless the soil amendment is a component of the BMP facilities design such as the use of soil amendment within infiltration basins or rain gardens.
12. No SWM facilities shall be installed over existing utility mains or services.

**§ 26-120. Calculation Methodology. [Ord. No. 2022-133, 11/2/2022]**

1. Stormwater runoff from all development sites shall be calculated using the rational method, modified rational method, or a soil cover complex methodology.
  - A. Any stormwater runoff calculations involving drainage areas greater than 200 acres, including on- and off-site areas, shall use generally accepted calculation technique that is based on the NRCS soil cover complex method. It is assumed that all methods will be selected by the design professional based on the individual limitations and suitability of each method for a particular site.
  - B. The Municipality may allow the use of the rational method or modified rational method to estimate peak discharges from drainage areas that contain less than 200 acres. When using the rational method, an ascending and descending limb factor of three and seven shall be used, respectively.
  - C. All calculations consistent with this Part using the soil cover complex method shall use the appropriate design rainfall depths. If a hydrologic computer model such as PSRM or HEC-RAS is used for

stormwater runoff calculations, then the duration of rainfall shall be 24 hours. The SCS Rainfall Type II curve shall be used for the rainfall distribution. Those projects proposing infiltration structures shall utilize this method.

- D. When routing a detention basin, the rational method or SCS method may be used to determine peak rates through the primary outlet structure. Only the SCS Method may be used to determine the peak water surface elevation during the 100-year, twenty-four-hour design storm, dictating the height of the embankment.
- E. Underground storage facilities that solely receive stormwater and are designed to capture and infiltrate the entire 100-year, twenty-four-hour SCS runoff volume may have their drainage areas removed from the overall post-development drainage area(s).
- F. For the purposes of pre-development flow rate determination, undeveloped land, including disturbed areas, shall be considered as "meadow" in good condition, unless the natural ground cover generates a lower curve number or rational "C" value (i.e., forest), as listed in Tables 1 and 2, respectively.
- G. All calculations using the rational method shall use rainfall intensities consistent with appropriate times of concentration for overland flow and return periods. Times of concentration for overland flow shall be calculated using the methodology presented in Chapter 3 of Urban Hydrology for Small Watersheds, NRCS, TR-55 (as amended or replaced from time to time by NRCS). Time of concentration for channel and pipe flow shall be computed using Manning's equation.
- H. Runoff curve numbers (CN) for both existing and proposed conditions to be used in the soil cover complex method shall be obtained from Table 1.
- I. Runoff coefficients (c) for both existing and proposed conditions for use in the rational method shall be obtained from Table 2.
- J. Where uniform flow is anticipated, the Manning equation shall be used for hydraulic computations such as the capacity of open channels, pipes, and storm sewers. Values for Manning's roughness coefficient (n) shall be consistent with Table 3.
- K. The design of any stormwater detention facilities intended to meet the performance standards of this Part shall be verified by routing the design storm hydrograph through these facilities, using either manual methods or computerized routing. Routing shall be based upon the modified PULS method; other routing methodologies shall be subject to the approval of the Municipal Engineer.



- L. The stormwater collection system shall be designed using the peak discharge computed using the rational formula.

**§ 26-121. Carbonate Geology. [Ord. No. 2022-133, 11/2/2022]**

- 1. In areas of carbonate geology, a geologist shall certify to the following:
  - A. No stormwater management facility will be placed in, over, or immediately adjacent to the following features:
    - (1) Closer than 100 feet from sinkholes;
    - (2) Closer than 100 feet from closed depressions;
    - (3) Closer than 100 feet from caverns, intermittent lakes, or ephemeral streams;
    - (4) Closer than 50 feet from lineaments in carbonate areas;
    - (5) Closer than 50 feet from fracture traces;
    - (6) Closer than 25 feet from bedrock pinnacles (surface or subsurface).
  - B. Stormwater resulting from regulated activities shall not be discharged into sinkholes.
  - C. If the developer can prove through analysis that the project site is an area underlain by carbonate geology, and such geologic conditions may result in sinkhole formations, then the project site is exempt from recharge requirements as described in § 26-116, "Volume Control." However, the project site shall still be required to meet all other standards found in this Part.
  - D. It shall be the developer's responsibility to verify if the project site is underlain by carbonate geology. The following note shall be attached to all stormwater management plans and signed and sealed by the developer's registered professional: "I, \_\_\_\_\_, certify that the proposed stormwater management facility (circle one) is/is not underlain by carbonate geology."
  - E. Whenever a stormwater management facility will be located in an area underlain by carbonate geology, a geological evaluation of the proposed location by a geologist shall be conducted to determine susceptibility to sinkhole formation. The evaluation may include the use of impermeable liners to reduce or eliminate the separation distances listed in the BMP manual. Additionally, the evaluation shall, at a minimum, address soil permeability, depth to bedrock, seasonally high groundwater table, susceptibility for sinkhole formation, suitability of stormwater management facilities, subgrade

stability, and maximum infiltration capacity in depth of water per unit area.

- F. A detailed soils evaluation of the project site shall be performed to determine the suitability of recharge facilities. The evaluation shall be performed by a qualified professional, and at a minimum, address soil permeability, depth to bedrock, susceptibility to sinkhole formation, and subgrade stability. The general process for designing the infiltration BMP shall be:
- (1) Site evaluation to determine general areas of suitability for infiltration practices.
  - (2) Provide field percolation tests throughout the area proposed for development to determine appropriate percolation rate and/or hydraulic conductivity. At least one infiltration test must be included in each soil group, and at least one infiltration test must be conducted for every five lots proposed for development. Infiltration tests must be taken at the location and depth of all proposed infiltration structures.
  - (3) Design infiltration structure for required storm volume based on all available data.
- G. Extreme caution shall be exercised where infiltration is proposed in geologically susceptible areas such as strip mine or limestone areas. It is also extremely important that the design professional evaluate the possibility of groundwater contamination from the proposed infiltration/recharge facility and recommend a hydrogeologic study be performed if necessary. Whenever a basin is located in an area underlain by limestone, a geological evaluation of the proposed location shall be conducted to determine susceptibility to sinkhole formations. The design of all facilities over carbonate formations shall include measures to prevent groundwater contamination and, where necessary, sinkhole formation. The infiltration requirement in the high quality/exceptional waters shall be subject to the Department's 25 Pa.Code, Chapter 93, and anti-degradation regulations. A detailed hydrogeologic investigation may be required by the Municipality, and where appropriate, the Municipality may require the installation of an impermeable liner in detention basins.

**§ 26-122. Erosion and Sedimentation Control Requirements. [Ord. No. 2022-133, 11/2/2022]**

1. As required in § 26-113, Subsection 4, whenever the vegetation and topography are to be disturbed, such activity must be in conformance with PA Code Title 25, Environmental Protection, Part I, Subpart C, Article II, Chapter 102. Erosion and Sediment Control and in accordance with the County Conservation District.

2. It is extremely important that strict erosion and sedimentation control measures be applied surrounding infiltration structures during installation to prevent the infiltrative surfaces from becoming clogged. Additional erosion and sedimentation control design standards and criteria must be applied where infiltration BMPs are proposed shall include the following:
  - A. Areas proposed for infiltration BMPs shall be protected from sedimentation and compaction during the construction phase so as to maintain their maximum infiltration capacity.
3. Fencing for sedimentation basins or traps must comply with § 26-120.
4. The developer shall demonstrate that the post-development hydrograph flows during erosion and sedimentation control phase are less than or equal to the pre-development hydrograph flows to assure the rate and volume of runoff leaving the site is controlled for the two-, five-, and ten-year frequency storms. All calculation methodology shall be in accordance with §§ 26-115 through 26-121.
5. In the event a regulated activity falls under the Chapter 102 thresholds for requiring a written erosion and sedimentation plan and/or NPDES permit, the applicant is still required to provide suitable erosion and sedimentation best management practices to prevent an illicit discharge caused by erosion during a precipitation event.

#### **D. Stormwater Management (SWM) Site Plan Requirements.**

##### **§ 26-123. Plan Requirements. [Ord. No. 2022-133, 11/2/2022]**

1. Appropriate sections from the municipality's Subdivision and Land Development Ordinance, and other applicable local ordinances, shall be followed in preparing the SWM site plans.
2. The Municipality shall not approve any SWM site plan that is deficient in meeting the requirements of this Part. At its sole discretion and in accordance with this Subpart, when a SWM site plan is found to be deficient, the municipality may either disapprove the submission and require a resubmission, or in the case of minor deficiencies, the Municipality may accept the submission of modifications.
3. Provisions for permanent access or maintenance easements for all physical SWM BMPs, such as ponds and infiltration structures, as necessary to implement the operation and maintenance (O&M) plan, shall be provided as follows:
  - A. A minimum twenty-foot-wide drainage easement shall be provided for all stormwater management facilities. Drainage easements shall provide for ingress and egress to a public right-of-way.

- B. A minimum twenty-foot-wide drainage easement shall be provided where the conveyance, treatment, of stormwater, either existing or proposed, is identified on the stormwater management plan. Drainage easements shall be provided to contain and convey the 100-year storm event.
  - C. A note on the stormwater management plan indicating that nothing shall be placed, planted, set, or put within the area of an easement that is not consistent with the approved plan. No alterations to swales, basins, BMPs, or other stormwater management shall be permitted without prior approval.
  - D. Stormwater management facilities not located within a public right-of-way shall be contained in and centered within a drainage easement. Easements shall follow property boundaries where possible.
4. The SWM site plan shall provide the following information:
- A. A written report including an overall project description of the proposed stormwater management concepts, including a summary identifying specific LID and green infrastructure practices and the existing site conditions. Including stormwater runoff calculations for both predevelopment and post-development conditions, including complete hydrologic, hydraulic, and structural computations for all stormwater management facilities.
  - B. A determination of site conditions in accordance with the BMP Manual.<sup>11</sup> A detailed site evaluation shall be completed for projects proposed in areas of carbonate geology or karst topography and other environmentally sensitive areas, such as brownfields.
  - C. All calculations, assumptions, and criteria used in the design of the stormwater management facilities must be shown. If multiple facilities are used in conjunction with each other, such as infiltration BMPs with vegetation-based management practices, a summary narrative shall be included describing any sequencing and how the facilities are meant to function with each other to manage stormwater runoff in accordance with this Part.
  - D. The plan sheet sizes shall be either 11 inches by 17 inches, 18 inches by 24 inches, 22 inches by 34 inches, or 24 inches by 36 inches. If the plan is prepared in two or more drawing sheets, a full-size drawing and key map showing the location of the sheets and a match line shall be placed on each sheet. Each sheet shall be numbered to show the relationship to the total number of sheets in the plan set.
  - E. Proposed name or identifying title of project.

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11. Editor's Note: See § 26-162, Subsection 4.

- F. Name and address of the landowner and applicant of the project site.
- G. The limit of disturbance (LOD) shall be shown with its area labeled in square feet or acres.
- H. The existing and proposed impervious areas labeled in square feet.
- I. Plan date and date of the latest revision to the plan.
- J. North point.
- K. Graphic Scale and Written Scale. All plans shall be drawn at a scale sufficient to determine consistency with this and other municipal ordinances.
- L. A table on the plan indicating the total acreage of the project site and the tract of land on which the project site is located, assumed square footage of impervious surface for each lot, and the assumed square footage of impervious surface permitted for each stormwater management facility.
- M. A location map, for the purpose of locating the project site to be developed, at a minimum scale of 1,000 feet to the inch, showing the relation of the tract to adjoining property and to all streets and the Municipality boundaries existing within 400 feet of any part of the tract of land on which the project site is proposed to be developed.
- N. A soil erosion and sediment control plan, where applicable, as prepared for and submitted to the approval authority as well as the Municipality.
- O. The effect of the project (in terms of runoff volumes, water quality, and peak flows) on surrounding properties and aquatic features and on any existing stormwater conveyance system that may be affected by the project.
- P. A hydrogeologic assessment of the effects of stormwater runoff on sinkholes, where present.
- Q. Plan and profile drawings of all SWM BMPs, including drainage structures, pipes, open channels, and swales. All plans and profiles should align vertically on the sheets for reference. All utility crossings shall be shown on these profiles.
- R. SWM site plan shall show the locations of existing and proposed on-lot wastewater facilities and water supply wells.
- S. The SWM site plan shall include an O&M Plan for all existing and proposed physical stormwater management facilities. This plan shall address long-term ownership and responsibilities for O&M as well as schedules and costs for O&M activities.

- T. A justification must be included in the SWM site plan if BMPs other than green infrastructure methods and LID practices are proposed to achieve the volume, rate, and water quality controls under this Part.
- U. A description of permanent stormwater management techniques, including the construction specifications and the materials to be used for stormwater management facilities.
- V. A notarized signature of the owner of the parcel for which the SWM site plan is proposed indicating that they are aware of and will be responsible for operation and maintenance of the facilities.
- W. A list of all approved waivers to the stormwater management ordinance.
- X. Existing features.
  - (1) Tract boundaries showing distances, bearings, and curve data, as located by field survey or by deed plotting.
  - (2) Existing contours at vertical intervals of one or two feet for land with an average natural slope of 20% or less and at vertical intervals of five feet for more steeply sloping land. The location of the benchmark and the datum used shall also be indicated.
  - (3) The names of all owners of all immediately adjacent unplatted land and the locations and dimensions of any streets or easements shown thereon.
  - (4) The names, locations, and dimensions of all existing streets, railroads, watercourses, drainage facilities, floodplains, streams, lakes, ponds, and other water bodies, existing drainage courses, Karst features, and other significant features within 200 feet of any part of the tract proposed to be developed and the location of all buildings and structures.
  - (5) Other physical features including wetlands, sinkholes, areas of native vegetation to be preserved, including trees greater than two inches in diameter at breast height, woodlands, other environmentally sensitive areas, and the total extent of the upstream area draining through the project site.
  - (6) The locations of all existing utilities, including on-lot disposal systems and wells, sanitary sewers, and water lines within 200 feet of the property lines.
  - (7) Soil boundaries and soil types as designated by the NRCS.
  - (8) Existing zoning districts and property line setbacks.

- (9) A note on the plan identifying the presence or absence of carbonate geology. See § 26-121, Subsection 1D of this Part.

Y. Proposed features.

- (1) The proposed land use, the number of lots and dwelling units, and the extent of commercial, industrial, or other nonresidential uses.
- (2) The locations and dimensions of all proposed streets, parks, playgrounds, and other public areas, sewer and water facilities; lot lines and building locations; parking compounds, driveways, paved areas, and other impervious surfaces.
- (3) The proposed changes to land surface and vegetative cover, including areas to be cut or filled.
- (4) Proposed contours at vertical intervals of two feet for land with an average natural slope of 15% or less and at vertical intervals of five feet for more steeply sloping land.
- (5) Finished elevations on tops of curbs at lot lines projected and lot corners. Elevations shall be shown to the nearest tenth of a foot.
- (6) A summary table depicting the minimum lowest floor elevation, which includes the basement for all lots located immediately adjacent to the floodplain area.
- (7) The location of any proposed on-lot disposal system, replacement drainfield easements, and water supply wells.
- (8) The location of any proposed signage identifying the constructed BMP. Proposed signage shall be installed on any nonresidential property or property under the control of a homeowner's association or community association.

Z. A summary table on the plan identifying all BMPs including BMP ID, drainage area to the BMP, name of receiving waterbody, the BMP's inspection and maintenance frequency, name of responsible person or organization at the time of stormwater management plan approval, and the lot numbers where the BMP is located.

AA. The name of the development, the name and address of the owner of the property, and the name and address of the individual or firm preparing the plan. Also to be included are the name, address, signature, and seal of any registered surveyor, professional engineer, landscape architect, or professional geologist (for geomorphological assessments) contributing to and/or with a responsibility for any aspect of the plan where applicable.

- BB. A planting plan is required for all vegetated stormwater BMPs.
- (1) Native or naturalized/noninvasive species suitable to the soil and hydrologic conditions of the site shall be used unless otherwise specified in the BMP Manual.
  - (2) Invasive vegetation may not be included in any planting schedule. (See Invasive Plants in Pennsylvania as published by the Department of Conservation and Natural Resources.)
  - (3) The limit of existing, native vegetation to remain shall be delineated on the plan along with proposed construction protection measures.
  - (4) Prior to construction, a tree protection zone shall be delineated at the dripline of the tree canopy. The tree protection zone of trees scheduled to remain shall be marked. Groups of trees may be marked by a protection zone along the outermost drip line boundary. A forty-eight-inch-high snow fence or forty-eight-inch-high construction fence mounted on steel posts located eight feet on center shall be placed along the tree protection boundary. No construction, storage of material, temporary parking, pollution of soil, or regrading shall occur within the tree protection zone.
  - (5) All planting shall be performed in conformance with good nursery and landscape practice. Plant materials shall conform to the standards recommended in the American Standard of Nursery Stock.
    - (a) Planting designs are encouraged to share planting space for optimal root growth whenever possible.
    - (b) No staking or wiring of trees shall be allowed without a maintenance note requiring the stake and/or wire to be removed within one-year of planting.

**§ 26-124. Plan Submission. [Ord. No. 2022-133, 11/2/2022]**

1. All materials submitted to the municipality for review must be provided in PDF format.
2. The application, provided by the municipality, shall be completed and submitted with the application fee, the SWM site plan, and the supporting report.
3. Proof of NPDES application and permit obtained (when required).
4. Twelve physical paper copies of the stormwater management site plan shall be submitted as follows:



- A. Two copies to the municipality.
- B. One copy to the municipal engineer (when applicable).
- C. One copy to the County Conservation District (when applicable).
- D. Eight eleven-inch-by-seventeen-inch copies to the municipality.
- E. An electronic copy to the municipality in .PDF form.

**§ 26-125. Plan Review. [Ord. No. 2022-133, 11/2/2022]**

1. SWM site plans shall be reviewed by the municipality for consistency with the provisions of this Part.
2. From the time an application for approval of a plat involving a subdivision or land development plan, whether preliminary or final, which includes a SWM site plan, is duly filed with the Municipality, no change or amendment of the ordinance or other governing ordinance or plan shall affect the decision on such application in accordance with the provisions of the governing ordinances or plans as they stood at the time the application was duly filed, as specified in § 508(4)(i) of the Pennsylvania Municipalities Planning Code, 53 P.S. § 10508(4)(i).
3. The Municipality shall notify the applicant in writing within 45 days whether the SWM site plan is approved or disapproved. If the SWM site plan involves a subdivision and land development plan, the notification shall occur within the time period allowed by the Municipalities Planning Code (90 days). If a longer notification period is provided by another statute, regulation, or ordinance, the applicant will be notified by the municipality. If the Municipality denies approval of the SWM site plan, the Municipality will state the reasons for the denial in writing. The Municipality may also approve the SWM site plan with conditions and, if so, shall provide the acceptable conditions for approval in writing.
4. For any SWM site plan that proposes to use any BMPs other than green infrastructure and LID practices to achieve the volume and rate controls required under this Part, the Municipality will not approve the SWM site plan unless it determines that green infrastructure and LID practices are not practicable.

**§ 26-126. Modification of Plans. [Ord. No. 2022-133, 11/2/2022]**

1. Modifications to a submitted SWM site plan that involve a change in SWM BMPs or techniques, or that involves the relocation or redesign of SWM BMPs, or that is necessary because soil or other conditions are not as stated on the SWM site plan, as determined by the Municipality, shall require a resubmission of the modified SWM site plan in accordance with this Subpart.

- A. When reviewing a SWM site plan, whether or not the SWM site plan is included in a subdivision and/or land development plan application, the Municipality may, after consulting with DEP if over one acre of disturbance, grant a modification of the requirements of one or more provisions of this Chapter if the literal enforcement will enact undue hardship because of peculiar conditions pertaining to the land in question, provided that such modification will not be contrary to the public interest and that the purpose and intent of the ordinance are observed.
- B. All requests for a modification from an applicant shall be in writing and shall accompany and be a part of the application for approval of a SWM site plan and/or a subdivision or land development plan as applicable. The request shall state in full the grounds and facts of unreasonableness or hardship on which the request is based, the provision or provisions of the ordinance involved, and the minimum modification necessary.
- C. In granting any modification, the Municipality may attach such reasonable conditions and safeguards as it may deem necessary to implement the purposes of the Act 167 Plan and this Part.
- D. The Municipality shall keep a written record of all action on requests for modifications. The response of any consultation and/or review by DEP shall be included as an original report if available or otherwise documented in the required written record.

**§ 26-127. Resubmission of Disapproved SWM site plans. [Ord. No. 2022-133, 11/2/2022]**

A disapproved SWM site plan may be resubmitted, with the revisions addressing the Municipality's concerns, to the Municipality in accordance with this Subpart. The applicable review fee must accompany a resubmission of a disapproved SWM site plan.

**§ 26-128. Authorization to Construct and Term of Validity. [Ord. No. 2022-133, 11/2/2022]**

1. SWM site plans Independent of Subdivision and Land Development Plans. The Municipality's approval of a SWM site plan, when such plan is submitted independent of a subdivision and/or land development plan, authorizes the regulated activities contained in the SWM site plan for a maximum term of validity of five years following the date of approval. The Municipality may specify a term of validity shorter than five years in the approval for any specific SWM site plan, particularly if the nature of the proposed SWM facilities require more frequent maintenance and/or short-term replacement of certain components. Terms of validity shall commence on the date the Municipality signs the approval for a SWM site plan. If an approved SWM site plan is not completed according to § 26-129 within the

term of validity, then the Municipality may consider the SWM site plan disapproved and may revoke any and all permits. SWM site plans that are considered disapproved by the Municipality may be resubmitted in accordance with § 26-127 of this Part.

2. SWM site plans Included in a Subdivision and/or Land Development Plan. The Municipality's approval of a SWM site plan, which is a part of a subdivision and/or land development plan, authorizes that plan and the regulated activities therein so that no subsequent change or amendment in this Part or other governing ordinances or plans shall be applied to affect adversely the right of the applicant to commence and to complete any aspect of the approved development in accordance with the terms of such approval within five years from such approval, as specified in § 508(4)(ii) to (vii) of the Pennsylvania Municipalities Planning Code, 53 P.S. § 10508(4)(ii) to (vii).

**§ 26-129. As-Built Plans, Completion Certificate, and Final Inspection. [Ord. No. 2022-133, 11/2/2022]**

1. The developer shall be responsible for providing the municipality with as-built plans of all SWM BMPs included in the approved SWM site plan. The as-built plans and an explanation of any discrepancies with the construction plans shall be submitted to the Municipality for review and approval.
2. The as-built submission shall include a certification of completion signed by a qualified professional verifying that all permanent SWM BMPs have been constructed according to the approved plans and specifications. The latitude and longitude coordinates for all permanent SWM BMPs must also be submitted at the central location of the BMPs. If any licensed, qualified professionals contributed to the construction plans, then a licensed qualified professional must sign the completion certificate.
3. After receipt of the completion certification by the Municipality, the Municipality may conduct a final inspection.
4. The financial guarantee, as discussed under § 26-130, shall not be released by the Municipality until the items in this section are completed.

**§ 26-130. Financial Security. [Ord. No. 2022-133, 11/2/2022]**

1. Unless exempted by § 26-113, Subsection 1A for small projects, the applicant shall provide financial security to the Municipality to assure the timely installation and proper construction of all stormwater management facilities, including but not limited to erosion and sediment control measures and BMPs as required by the approved stormwater management plan and this Part. The posting and administration of financial security to guarantee the completion of required improvements and common amenities shall comply with the provisions of this section, the MPC, and other applicable laws of the Commonwealth.

2. All financial security shall be prepared by the applicant in the form required by the Municipality and in a form and content acceptable to the Solicitor for the Municipality. The amount of the security shall be calculated in accordance with Article V of the MPC. The following are acceptable forms of security. All other forms of security shall be individually approved by the Municipality.
  - A. Letter of Credit. A letter of credit provided by the applicant from a financial institution or other reputable institution subject to the approval of the Municipality. This letter shall be deposited with the Municipality and shall certify the following:
    - (1) That the creditor does guarantee funds in an amount equal to 110% of the cost of completing all required improvements.
    - (2) In case of failure on the part of the applicant to complete the specified improvements within the required time period or notification by the financial institution that the letter of credit will not be renewed, the creditor shall pay to the Municipality immediately and without further action, such funds as are necessary to finance the completion of those improvements, up to the limit of credit stated in the letter.
    - (3) The letter of credit may not be withdrawn or reduced in amount until released by the Municipality.
  - B. Surety Performance Bond. A security bond from a surety bonding company authorized to do business in the Commonwealth of Pennsylvania. The bond shall be payable and in a form acceptable to the Municipality.
  - C. Escrow Account. A deposit of cash with the Municipality or in escrow with a financial institution. The use of a financial institution for establishing an escrow account shall be subject to approval by the Municipality an agreement between the financial institution and himself guaranteeing the following:
    - (1) That the funds of said escrow account shall be held in trust until released by the Municipality, as appropriate, and may not be used or pledged by the applicant as security in any other manner during that period.
  - D. In the case of a failure on the part of the applicant to complete said improvements, then the institution shall immediately make the funds in said account available to the Municipality for use in the completion of those improvements.
  - E. As the work of installing the required improvements proceeds, the party posting the financial security may request the Municipality to authorize the release of such portions of the financial security

associated with the completed improvements. Requests for the partial release of financial security as the work of installing the required improvements proceeds shall be made and governed by the MPC.

- F. At such time that the applicant has completed and installed the required improvements, the elected officials shall consider the applicant's request for a release from the improvement guarantee in accordance with the procedure set forth in the MPC.
- G. At the completion of the project, and as a prerequisite for the release of the financial security, the applicant shall provide record plans in accordance with § 26-129.
- H. Upon receipt of the Record Plans and prior to the release of the remaining financial security per § 26-129, Subsection 4, the Municipality shall conduct a final inspection to certify compliance with this Part.
- I. In the event that any improvements which are required by this Part have not been installed as provided in this Part or in accordance with the approved stormwater management plan, the Municipality may enforce any corporate bond or other security by appropriate legal and equitable remedies. If proceeds of such bond or other security are insufficient to pay the cost of installing or making repairs or corrections to all the improvements covered by said security, the elected officials may, at their option, install part of such improvements in all or part of the stormwater management plan and may institute appropriate legal or equitable action to recover the monies necessary to complete the remainder of the improvements.

#### **E. Construction Inspections.**

##### **§ 26-131. Schedule of Inspections. [Ord. No. 2022-133, 11/2/2022]**

1. The Municipal Engineer or their assignee shall inspect phases of the installation of the permanent stormwater management facilities as deemed appropriate by the Municipal Engineer. It is the responsibility of the permittee to notify the Municipal Engineer 48 hours in advance of the beginning of construction of stormwater management facilities. Individual residential on-lot stormwater management systems shall be inspected by Municipal staff or appointed personnel.
2. During any stage of the work, if the Municipal Engineer determines that the permanent stormwater management facilities are not being installed in accordance with the approved stormwater management plan, the Municipality shall revoke any existing approvals issued under this Part until a revised drainage plan is submitted and approved, as specified in this Part.

3. All construction and materials shall correspond with the latest revision of the Municipality's Standard Construction and Material Specifications, as applicable.

#### **F. Operation and Maintenance.**

##### **§ 26-132. Responsibilities of Developers and Landowners. [Ord. No. 2022-133, 11/2/2022]**

1. Unless otherwise noted or if a facility is located within a municipal right of way, operation and maintenance of stormwater management facilities and conveyance systems is the sole responsibility of the property owner or assigns, in perpetuity.
  - A. The Municipality shall make the final determination on the continuing maintenance responsibilities prior to final approval of the SWM site plan. The municipality may require a dedication of such facilities as part of the requirements for approval of the SWM site plan. Such a requirement is not an indication that the municipality will accept the facilities. The municipality reserves the right to accept or reject the ownership and operating responsibility for any portion of the stormwater management controls.
  - B. Facilities, areas, or structures used as SWM BMPs shall be enumerated as permanent real estate appurtenances and recorded as deed restrictions or conservation easements that run with the land.
  - C. The O&M Plan shall be recorded as a restrictive deed covenant that runs with the land.
  - D. No person shall modify, remove, fill, landscape, or alter any SWM BMPs, facilities, areas, or structures without the written approval of the Municipality, with the exception of necessary maintenance activities such as mowing.
  - E. The Municipality may take enforcement actions against an owner for any failure to satisfy the provisions of this Subpart.

##### **§ 26-133. Operation and Maintenance Agreements. [Ord. No. 2022-133, 11/2/2022]**

1. Prior to final approval of the SWM site plan, the property owner shall sign and record an operation and maintenance (O&M) agreement (see Appendix A) covering all stormwater control facilities which are to be privately owned.
  - A. The owner, successor, and assigns shall maintain all facilities in accordance with the approved maintenance schedule in the O&M agreement.

- B. The owner shall convey to the Municipality conservation easements to assure access for periodic inspections by the Municipality and maintenance, as necessary.
  - C. The owner shall keep on file with the Municipality the name, address, and telephone number of the person or company responsible for maintenance activities; in the event of a change, new information shall be submitted by the owner to the Municipality within 10 working days of the change.
2. The owner is responsible for the operation and maintenance (O&M) of the SWM BMPs. If the owner fails to adhere to the O&M agreement, the Municipality may perform the services required and charge the owner appropriate fees. Nonpayment of fees may result in a lien against the property.

#### **G. Fees and Expenses.**

##### **§ 26-134. General. [Ord. No. 2022-133, 11/2/2022]**

1. The developer shall be required to submit a subdivision/land development or building permit application prior to any stormwater management facilities construction. The fee for plan reviews, permit issuance, and inspections shall be established by resolution of the Municipality to defray the following expenses:
  - A. The review of the stormwater management/erosion and sedimentation control plan by the Municipal Engineer.
  - B. The site inspections.
  - C. The inspection of stormwater management facilities and drainage improvements during construction.
  - D. The final inspection upon completion of the stormwater management facilities and drainage improvements presented in the stormwater management/erosion and sedimentation control plan.
  - E. Any additional work required to enforce any permit provisions regulated by this Part, correct violations, and assure proper completion of stipulated remedial actions.
2. All fees shall be paid by the applicant at the time of application and shall be included in the required deposit for review of subdivision/land development plans.
3. Any additional costs incurred by the Municipality in the administration of this Part shall be charged to the applicant and shall be paid promptly by the applicant. Upon completion of the construction of the stormwater

management facility and upon final approval thereof by the Municipal, any monies in excess of Municipal costs or expenses deposited by the applicant shall be refunded to the applicant.

## H. Prohibitions.

### § 26-135. Ultimate Responsibility. [Ord. No. 2022-133, 11/2/2022]

The standards set forth herein and promulgated by this Subpart are minimum standards; therefore, this Subpart does not intend nor imply that compliance by any person will ensure that there will be no contamination, pollution, or unauthorized discharge of pollutants.

### § 26-136. Prohibited Discharges and Connections. [Ord. No. 2022-133, 11/2/2022]

1. Any drain or conveyance, whether on the surface or subsurface, that allows any nonstormwater discharge including sewage, process wastewater, and wash water to enter a regulated small MS4 or to enter the surface waters of this Commonwealth is prohibited.
2. No person shall allow, or cause to allow, discharges into a regulated small MS4, or discharges into waters of this Commonwealth, which are not composed entirely of stormwater, except as provided in Subsection 3 below and discharges authorized under a state or federal permit.
3. The following discharges are authorized unless they are determined to be significant contributors to pollution a regulated small MS4 or to the waters of this Commonwealth:
  - A. Discharges or flows from firefighting activities.
  - B. Discharges from potable water sources, including water line flushing and fire hydrant flushing, if such discharges do not contain detectable concentrations of total residual chlorine (TRC).
  - C. Noncontaminated irrigation water, water from lawn maintenance, landscape drainage and flows from riparian habitats and wetlands.
  - D. Diverted stream flows and springs.
  - E. Noncontaminated pumped ground water and water from foundation and footing drains and crawl space pumps.
  - F. Noncontaminated HVAC condensation and water from geothermal systems.
  - G. Residential (i.e., not commercial) vehicle wash water where cleaning agents are not utilized.



- H. Noncontaminated hydrostatic test water discharges if such discharges do not contain detectable concentrations of TRC.
4. In the event that the municipality or DEP determines that any of the discharges identified in Subsection 3 significantly contribute pollutants to a regulated small MS4 or to the waters of this Commonwealth, the municipality or DEP will notify the responsible person(s) to cease the discharge.

**§ 26-137. Roof Drains and Sump Pumps. [Ord. No. 2022-133, 11/2/2022]**

Roof drains and sump pumps shall discharge to infiltration or vegetative BMPs wherever feasible.

**§ 26-138. Alteration of SWM BMPs. [Ord. No. 2022-133, 11/2/2022]**

No person shall modify, remove, fill, landscape, or alter any SWM BMPs, facilities, areas, or structures that were installed as a requirement of this Part without the written approval of the Municipality.

**§ 26-139. Suspension of MS4 Access. [Ord. No. 2022-133, 11/2/2022]**

1. **Suspension Due to Illicit Discharges in Emergency Situations.** The Municipality may, without prior notice, suspend MS4 discharge access to a person when such suspension is necessary to stop an actual or threatened discharge which presents or may present imminent and substantial danger to the environment, or to the health or welfare of persons, or to the MS4 or waters of this Commonwealth. If the violator fails to comply with a suspension order issued in an emergency, the Municipality may take such steps as deemed necessary to prevent or minimize damage to the MS4 or waters this Commonwealth, or to minimize danger to persons including, without limitation, entering onto property for the purpose of disconnecting and/or performing emergency maintenance or repairs to storm sewers. In the event the Municipality must disconnect or perform emergency maintenance and/or repairs, the Municipality may file and attach a municipal lien on the property, which is causing the illicit discharge.
2. **Suspension Due to the Detection of Illicit Discharge or Illicit Connection.** Any person discharging to the MS4 in violation of this section may have their MS4 access terminated if such termination would abate or reduce an illicit discharge or illicit connection. The Municipality will notify a violator of the proposed termination of its MS4 access. The violator may petition the Municipality for a reconsideration and hearing.
3. A person commits an offense if the person reinstates MS4 access to premises terminated pursuant to this section, without the prior approval of the Municipality.

**§ 26-140. Industrial or Construction Activity Discharges. [Ord. No. 2022-133, 11/2/2022]**

Any person subject to an industrial or construction activity NPDES stormwater discharge permit shall comply with all provisions of such permit. Proof of compliance with said permit shall be required in a form acceptable to the Municipality prior to the allowing of discharges to the MS4.

**§ 26-141. Monitoring of Discharges. [Ord. No. 2022-133, 11/2/2022]**

1. Applicability. This section applies to all facilities that have stormwater discharges associated with industrial activity, including construction activity.
2. Access to Facilities.
  - A. The Municipality shall be permitted to enter and inspect facilities subject to regulation under this section as often as may be necessary to determine compliance with this section. If a discharger has security measures in force that require proper identification and clearance before entry into its premises, the discharger shall make the necessary arrangements to allow access to representatives of the Municipality.
  - B. Facility operators shall allow the Municipality ready access to all parts of the premises for the purposes of inspection, sampling, examination, and copying of records that must be kept under the conditions of an NPDES permit to discharge stormwater, and the performance of any additional duties as defined by state and federal law.
  - C. The Municipality shall have the right to set up on any permitted facility such devices as are necessary for the opinion of the authorized enforcement agency to conduct monitoring and/or sampling of the facility's stormwater discharge.
  - D. The Municipality has the right to require the discharger to install monitoring equipment as necessary. The facility's sampling and monitoring equipment shall be maintained at all times in a safe and proper operating condition by the discharger at its own expense. All devices used to measure stormwater flow, and quality shall be calibrated to ensure their accuracy.
  - E. Any temporary or permanent obstruction to safe and easy access to the facility to be inspected and/or sampled shall be promptly removed by the operator at the written or oral request of Municipality and shall not be replaced. The costs of clearing such access shall be borne by the operator.

- F. Unreasonable delays in allowing Municipality access to a permitted facility is a violation of a stormwater discharge permit and of this section. A person who is the operator of a facility with a NPDES permit to discharge stormwater associated with industrial activity commits an offense if the person denies the Municipality reasonable access to the permitted facility for the purpose of conducting any activity authorized or required by this section.
- G. If the Municipality has been refused access to any part of the premises from which stormwater is discharged, and it is able to demonstrate probable cause to believe that there may be a violation of this section or that there is a need to inspect and/or sample as part of a routine inspection and sampling program designed to verify compliance with this section or any order issued hereunder or to protect the overall public health, safety, and welfare of the community, then the Municipality may seek issuance of a search warrant from any court of competent jurisdiction.

**§ 26-142. Requirements to Prevent, Control and Reduce Stormwater Pollutants by the Use of BMPs. [Ord. No. 2022-133, 11/2/2022]**

The Municipality will adopt requirements identifying best management practices for any activity, operation, or facility which may cause or contribute to pollution or contamination of stormwater, the storm drain system, or waters of this Commonwealth. The owner or operator of a commercial or industrial establishment shall provide, at their own expense, reasonable protection from accidental discharge of prohibited materials or other wastes into the municipal storm drain system or watercourses through the use of these structural and nonstructural BMPs. Further, any person responsible for a property or premises, which is, or may be the source of an illicit discharge, may be required to implement, at said person's expense, additional structural and nonstructural BMPs to prevent the further discharge of pollutants to the municipal separate storm sewer system. Compliance with all terms and conditions of a valid NPDES permit authorizing the discharge of stormwater associated with industrial activity, to the extent practicable, shall be deemed compliance with the provisions of this section. These BMPs shall be part of a stormwater pollution prevention plan (SWPP) as necessary for compliance with requirements of the NPDES permit.

**§ 26-143. Watercourse Protection. [Ord. No. 2022-133, 11/2/2022]**

1. Every person owning property through which a watercourse passes, or such person's lessee, shall keep and maintain that part of the watercourse within the property free of trash, debris, excessive vegetation, and other obstacles that would pollute, contaminate, or significantly retard the flow of water through the watercourse.
2. In addition, the owner or lessee shall maintain existing privately owned structures within or adjacent to a watercourse so that such structures will not become a hazard to the use, function, or physical integrity of the watercourse.

**§ 26-144. Notification of Spills. [Ord. No. 2022-133, 11/2/2022]**

Notwithstanding other requirements of law, as soon as any person responsible for a facility or operation or responsible for emergency response for a facility or operation has information of any known or suspected release of materials which are resulting or may result in illicit discharges or pollutants discharging into stormwater, the storm drain system, or water of this Commonwealth said person shall take all necessary steps to ensure the discovery, containment, and cleanup of such release. In the event of such a release of hazardous materials, said person shall immediately notify emergency response agencies of the occurrence via emergency dispatch services. In the event of a release of non-hazardous materials, said person shall notify the Municipality in person or by phone or facsimile no later than the next business day. Notifications in person or by phone shall be confirmed by written notice addressed and mailed to the Municipality within three business days of the phone notice. If the discharge of prohibited materials emanates from a commercial or industrial establishment, the owner or operator of such establishment shall also retain an on-site written record of the discharge and the actions taken to prevent its recurrence. Such records shall be retained for at least three years.

**I. Enforcement and Penalties.****§ 26-145. Enforcement. [Ord. No. 2022-133, 11/2/2022]**

1. It shall be the responsibility of the owner of the real property on which any regulated activity is proposed to occur, is occurring, or has occurred, to comply with the terms and conditions of this Part.
2. It shall be unlawful for a person to undertake any regulated activity except as provided in an approved SWM site plan, unless specifically exempted in this Part.
3. It shall be unlawful to violate any section of this Part.
4. Inspections regarding compliance with the SWM site plan are the responsibility of the Municipality.
5. Notice of Violation. When a person has violated a prohibition of this Part, otherwise fails to comply with the requirements of this Part, or fails to conform to the requirements of any permit issued hereunder, the Municipality shall provide written notification of the violation to the property owner. Such notification shall set forth the nature of the violations and establish a time limit for the correction of these violation(s). Failure to comply or remediate and/or restore within the established deadline shall be cause for the work will be done by a designated governmental agency or a contractor, and the expense thereof shall be charged to the violator or assessed as a municipal lien on the property. Such written notice may require, without limitation:
  - A. The performance of monitoring, analyses, and reporting.

- B. The elimination of illicit connections or illicit discharges.
- C. That violating discharges, practices, or operations shall cease and desist.
- D. The abatement or remediation of stormwater pollution or contamination hazards and the restoration of any affected property.
- E. Payment of a fine to cover administrative and remediation costs.
- F. The implementation of source control or treatment BMPs.

**§ 26-146. Appeals of Notice of Violation. [Ord. No. 2022-133, 11/2/2022]**

1. Any person receiving a notice of violation may appeal the determination of the Municipality. The notice of appeal must be received within 30 days from the date of the notice of violation. Hearing on the appeal before a designated hearing representative of the Municipality shall take place within 15 days from the date of receipt of the notice of appeal.
2. Any person aggrieved by any action of the Municipality or its designee, relevant to the provisions of this Part, may appeal to the Municipality within 30 days of that action.
3. Any person aggrieved by any decision of the Municipality, relevant to the provisions of this Part, may appeal to the County Court of Common Pleas in the county where the activity has taken place within 30 days of the Municipality's decision.

**§ 26-147. Enforcement Measures after Appeal. [Ord. No. 2022-133, 11/2/2022]**

If the violation has not been corrected pursuant to the requirements set forth in the notice of violation, or, in the event of an appeal, within 15 days of the hearing representative's decision upholding the decision of the Municipality, then representatives of the Municipality shall enter upon the subject private property and are authorized to take any and all measures necessary to abate the violation and/or restore the property. It shall be unlawful for any person, owner, agent, or person in possession of any premises to refuse to allow the Municipality or designated contractor to enter upon the premises for the purposes set forth above.

**§ 26-148. Cost of Abatement of Violation. [Ord. No. 2022-133, 11/2/2022]**

1. Within 30 days after abatement of the violation, the owner of the property will be notified of the cost of abatement, including administrative costs. The property owner may thereafter file a written protest objecting to the amount of the assessment within 30 days. If the amount due is not paid within a timely manner as determined by the decision of the Municipality or by the expiration of the time in which to file an appeal, the charges shall become a special assessment against the property and shall constitute a municipal lien on the property for the amount of the assessment.

2. Any person violating any of the provisions of Subpart 1H of this Part shall become liable to the Municipality by reason of such violation. The liability shall be paid in not more than 12 equal payments. Interest at the rate of 12% per annum shall be assessed on the balance beginning on the first day following discovery of the violation.

**§ 26-149. Injunctive Relief. [Ord. No. 2022-133, 11/2/2022]**

It shall be unlawful for any person to violate any provision or fail to comply with any of the requirements of this Part. If a person has violated or continues to violate the provisions of this Part, the Municipality may petition for a preliminary or permanent injunction restraining the person from activities that would create further violations or compelling the person to perform abatement or remediation of the violation.

**§ 26-150. Compensatory Action. [Ord. No. 2022-133, 11/2/2022]**

In lieu of enforcement proceedings, penalties, and remedies authorized by this Part, the authorized enforcement agency may impose upon a violator alternative compensatory actions, such as storm drain stenciling, attendance at compliance workshops, creek cleanup, etc.

**§ 26-151. Violations Deemed as Public Nuisance. [Ord. No. 2022-133, 11/2/2022]**

In addition to the enforcement processes and penalties provided, any condition caused or permitted to exist in violation of any of the provisions of this Part is a threat to public health, safety, and welfare, and is declared and deemed a public nuisance, and may be summarily abated or restored at the violator's expense, and/or a civil action to abate, enjoin, or otherwise compel the cessation of such public nuisance may be taken.

**§ 26-152. Criminal Prosecution and Penalties. [Ord. No. 2022-133, 11/2/2022]**

1. Any person that has violated or continues to violate this Part shall be liable to criminal prosecution to the fullest extent of the law, and shall be subject to a criminal penalty of up to \$1,000 per violation per day.
2. Anyone violating the provisions of this Part shall be guilty of a summary offense, and upon conviction, shall be subject to a fine of not more than \$1,000 for each violation, recoverable with costs and/or imprisonment for a period of time not to exceed 90 days.
3. Each day that the violation continues shall be a separate offense, and penalties shall be cumulative.
4. In addition, the Municipality may institute injunctive, mandamus, or any other appropriate action or proceeding at law or in equity for the enforcement of this Part. Any court of competent jurisdiction shall have the

right to issue restraining orders, temporary or permanent injunctions, mandamus, or other appropriate forms of remedy or relief.

5. All such penalties shall be deemed cumulative and do not prevent the Municipality from pursuing any and all remedies.

**§ 26-153. Attorney Fees and Costs. [Ord. No. 2022-133, 11/2/2022]**

The Municipality may recover all attorney fees, court costs, and other expenses associated with enforcement of this Part, either criminal or civil, including sampling and monitoring expenses or other costs of investigation.

**§ 26-154. Remedies Not Exclusive. [Ord. No. 2022-133, 11/2/2022]**

The remedies listed in this Part are not exclusive of any other remedies available under any applicable federal, state, or local law, and it is within the discretion of the Municipality to seek cumulative remedies.

**§ 26-155. Right-of-Entry. [Ord. No. 2022-133, 11/2/2022]**

Upon presentation of proper credentials, the municipality or its designated agent may enter at reasonable times upon any property within the municipality to inspect the condition of the stormwater structures and facilities in regard to any aspect regulated by this Part.

**§ 26-156. Inspection. [Ord. No. 2022-133, 11/2/2022]**

1. The landowner or the owner's designee (including the Municipality for dedicated and owned facilities) shall inspect SWM BMPs, facilities and/or structures installed under this Part according to the following frequencies, at a minimum, to ensure the BMPs, facilities and/or structures continue to function as intended:
  - A. Annually for the first five years.
  - B. Once every three years thereafter.
  - C. During or immediately after the cessation of a ten-year or greater storm.
  - D. All stormwater BMPs serving nonresidential development or serving more than one residential unit shall be inspected, and a report of such inspection shall be submitted to the Municipality for review on an annual basis.
  - E. All inspection records shall be maintained by the landowner and shall be made available to the Municipality upon written request.
2. Inspections should be conducted during or immediately following precipitation events. A written inspection report shall be created to

document each inspection. The inspection report shall contain the date and time of the inspection, the individual(s) who completed the inspection, the location of the BMP, facility or structure inspected, observations on performance, and recommendations for improving performance, if applicable. Inspection reports shall be submitted to the Municipality within 30 days following completion of the inspection.

**§ 26-157. Notifications. [Ord. No. 2022-133, 11/2/2022]**

In the event that a person fails to comply with the requirements of this Part, or fails to conform to the requirements of any permit issued hereunder, the Municipality shall provide written notification of the violation. Such notification shall set forth the nature of the violations and establish a time limit for the correction of these violation(s). Failure to comply within the time specified shall subject such person to the penalty provisions of this Part. All such penalties shall be deemed cumulative and do not prevent the Municipality from pursuing any and all remedies. It shall be the responsibility of the owner of the real property on which any regulated activity is proposed to occur, is occurring, or has occurred, to comply with the terms and conditions of this Part.

**§ 26-158. Enforcement. [Ord. No. 2022-133, 11/2/2022]**

1. It shall be unlawful for a person to undertake any regulated activity except as provided in an approved SWM site plan, unless specifically exempted in § 26-114.
2. It shall be unlawful to violate § 26-137 of this Part.
3. Inspections regarding compliance with the SWM site plan are the responsibility of the Municipality.

**§ 26-159. Suspension and Revocation. [Ord. No. 2022-133, 11/2/2022]**

1. Any approval or permit issued by the Municipality pursuant to this Part may be suspended or revoked for:
  - A. Noncompliance with or failure to implement any provision of the approved SWM site plan or O&M agreement.
  - B. A violation of any provision of this Part or any other applicable law, ordinance, rule, or regulation relating to the regulated activity.
  - C. Creation of any condition or the commission of any act during the regulated activity which constitutes or creates a hazard, nuisance, pollution, or endangers the life or property of others.
2. A suspended approval may be reinstated by the Municipality when:
  - A. The Municipality has inspected and approved the corrections to the violations that caused the suspension.



- B. The Municipality is satisfied that the violation has been corrected.
3. An approval that has been revoked by the Municipality cannot be reinstated. The applicant may apply for a new approval under the provisions of this Part.
  4. If a violation causes no immediate danger to life, public health, or property, at its sole discretion, the Municipality may provide a limited time period for the owner to correct the violation. In these cases, the Municipality will provide the owner, or the owner's designee, with written notice of the violation and the time period allowed for the owner to correct the violation. If the owner does not correct the violation within the allowed time period, the municipality may revoke or suspend any or all applicable approvals and permits pertaining to any provision of this Part.

**§ 26-160. Penalties. [Ord. No. 2022-133, 11/2/2022]**

1. Anyone violating the provisions of this Part shall be guilty of a summary offense, and upon conviction, shall be subject to a fine of not more than \$1,000 for each violation, recoverable with costs. Each day that the violation continues shall be a separate offense, and penalties shall be cumulative.
2. In addition, the municipality may institute injunctive, mandamus, or any other appropriate action or proceeding at law or in equity for the enforcement of this Part. Any court of competent jurisdiction shall have the right to issue restraining orders, temporary or permanent injunctions, mandamus, or other appropriate forms of remedy or relief.

**§ 26-161. Appeals. [Ord. No. 2022-133, 11/2/2022]**

1. Any person aggrieved by any action of the Municipality or its designee, relevant to the provisions of this Part, may appeal to the Municipality within 30 days of that action.
2. Any person aggrieved by any decision of the Municipality, relevant to the provisions of this Part, may appeal to the County Court of Common Pleas in the county where the activity has taken place within 30 days of the Municipality's decision.

**J. References.**

**§ 26-162. References. [Ord. No. 2022-133, 11/2/2022]**

1. U.S. Department of Agriculture, National Resources Conservation Service (NRCS). National Engineering Handbook. Part 630: Hydrology, 1969-2001. Originally published as the National Engineering Handbook, Section 4: Hydrology. Available from the NRCS online at: <http://www.nrcs.usda.gov/>.

2. U.S. Department of Agriculture, Natural Resources Conservation Service. 1986. Technical Release 55: Urban Hydrology for Small Watersheds, 2nd Edition. Washington, D.C.
3. Pennsylvania Department of Environmental Protection. No. 363-2134-008 (March 31, 2012), as amended and updated. Erosion and Sediment Pollution Control Program Manual (E&S Manual). Harrisburg, PA.
4. Pennsylvania Department of Environmental Protection. No. 363-0300-002 (December 2006), as amended and updated. Pennsylvania Stormwater Best Management Practices Manual. Harrisburg, PA.
5. U.S. Department of Commerce, National Oceanic and Atmospheric Administration, National Weather Service, Hydrometeorological Design Studies Center. 2004-2006. Precipitation-Frequency Atlas of the United States, Atlas 14, Volume 2, Version 3.0, Silver Spring, Maryland. Internet address: <http://hdsc.nws.noaa.gov/hdsc/pfds/>.

**PART 2**  
**WELLS**

**§ 26-201. Administration and Permits. [Ord. 2002-29, 10/15/2002, § 1]**

Definitions:

**ASSESSMENT OF GROUNDWATER SUPPLY** — A hydro geologic study that addresses the ability of a natural groundwater system lying beneath the subject property to meet the anticipated water supply needs of the proposed development and contains the information identified in the feasibility report of the preliminary plan in accordance with the Oxford Township Subdivision and Land Development Ordinance.

**COMMUNITY WATER SUPPLY SYSTEM** — A system for the provision of water for human consumption if such system has at least 15 service connections or regularly serves at least 25 individuals, as set forth under the Pennsylvania Safe Drinking Water Act, 35 P.S. § 721.1 et seq.

**INDIVIDUAL WATER WELL SUPPLY SYSTEM** — A system, including well, pumps, piping, storage and/or treatment equipment supplying water for human consumption and not regulated under the Pennsylvania Safe Drinking Water Act, 35 P.S. § 721.1 et seq.

**WATER WELL DRILLER** — Any person licensed by the Commonwealth of Pennsylvania performing or in responsible charge of drilling, altering or repairing a water well.

**WELL** — Any excavation that is drilled, cored, bored, washed, driven, dug, jetted or otherwise constructed when the intended use of such excavation is for the location, acquisition or artificial recharge of groundwater. This includes, but is not limited to, test wells, test borings, geothermal and monitoring wells, in addition to wells utilized as individual water supplies.

**WELL DRILLER LOG** — The latest version of the Water Well Completion Report, DCNR Form 8700-FM-TG-5100S, or its replacement.

**§ 26-202. General. [Ord. 2002-29, 10/15/2002, § 1]**

1. It shall be unlawful to install or modify individual water supply well(s) without first obtaining a permit from the Township. Permits for an individual water supply well serving new construction or an existing facility must be obtained prior to the beginning of construction or renovation of any building(s) to be served by the well(s). Each permit will be granted based upon a two-part approval system, which consists of a permit to construct and an approval to operate.

2. This Part shall apply to all wells which have not been completed, or which are not in operation or in operable condition at the time of passage of this Part.
3. Monitoring, agricultural and geothermal wells not used for public consumption do not require permits. However, a copy of the well driller's log must be submitted to the Township upon well construction completion.
4. A Pennsylvania licensed water driller shall construct all water supply wells.
5. This Part shall not apply to the normal maintenance and repairs required to keep groundwater supply wells in proper working order.
6. Each building lot must be provided with an individual water supply system prior to the issuance of a building permit for dwelling units.

**§ 26-203. Permits. [Ord. 2002-29, 10/15/2002, § 1]**

1. Application for a well permit shall be made at the time the applicant applies for a building permit for any improvements to be erected on the premises or, if no other improvements requiring a building permit are contemplated, prior to any work being started on the proposed well. The application shall be made on forms supplied by the Township.
2. The applications shall set forth:
  - A. Name, address and phone number of the owner of the property upon which the well construction, reconstruction or repair work is to be done.
  - B. Site address, subdivision name, lot number.
  - C. Name(s) and address(es) of the contractor(s) who shall perform the work.
  - D. Driller's name, Pennsylvania license number and telephone number.
  - E. Type of construction and intended use.
  - F. Type of sewage disposal.
  - G. Plot plan showing the address or location of the property, an accurate scale map of the premises showing the proposed location of the well, setback lines for wells, the exact location or proposed locations of all buildings, existing wells and on-site sewage disposal systems, including sewage disposal drain fields and septic tanks, the boundary lines of the premises upon which the well is proposed to be located, the boundary lines of all adjacent premises, the location of any wells and sewage disposal systems, including drain fields, on adjacent properties, the location of any bodies of water and or wetlands located

on or abutting the subject premises and the locations of any underground storage tanks on the premises or adjoining premises known or readily determinable.

3. The well driller shall submit to the Township a copy of the Water Well Completion Report within 30 days after any well is completed.
4. The well driller shall complete a "Certificate of Well Construction" provided by the Township after any well is completed. Said certificate shall require that the well driller certify as to the procedures taken by the well driller to complete the well in accordance with this Part.
5. No well permit shall be issued for an unimproved lot or a lot on which a new or modified sewage disposal system is to be installed until a sewage permit has been issued therefore.

**§ 26-204. Inspection. [Ord. 2002-29, 10/15/2002, § 1]**

1. Upon receipt of any application for a well permit, the Township shall within 30 days perform an inspection of the premises on which the well is to be constructed to determine if the location, which must be staked by the applicant, conforms to the standards set forth herein. In situations involving an unimproved lot, said inspection shall be coordinated with the inspections performed pursuant to a building permit application and on-lot septic system application, if any.
2. The inspection shall be conducted in accordance with the provisions of this Part and the provisions of any and all other relevant ordinances of the Township. Upon completion of the inspection, the Township officer shall either issue a permit to the applicant indicating the approved location for the well and special instructions for construction, if any, or refuse to issue the said permit and, in such an event, shall provide the applicant with written reasons for such refusal.
3. Upon completion of the well and notice to the Township of said completion provided by the owner or well driller, the Township through its duly authorized officer shall perform a second inspection of the premises to determine that the well has been constructed in accordance with the terms hereof.

**§ 26-205. Assessment of Groundwater Supply. [Ord. 2002-29, 10/15/2002, § 1]**

As part of the permitting process, an assessment of groundwater supply will be required. The conditions under which an assessment must be conducted and the contents and procedures to be followed in completing the assessment are defined in the Oxford Township Subdivision and Land Development Ordinance.

**§ 26-206. Issuance of Permits. [Ord. 2002-29, 10/15/2002, § 1]**

All permits shall be issued on a form provided by the Township.

**§ 26-207. Revocation of Permits. [Ord. 2002-29, 10/15/2002, § 1]**

1. The Township may revoke a permit at any time for any one or more of the following reasons, which reasons shall be provided to the permit holder, in writing, by the Township.
  - A. When any change has occurred in the physical condition of any lands which will materially affect the operation of a permitted well.
  - B. When applicant has presented false information on his/her permit application.
  - C. When the permit issued by the Township fails to comply with the provisions of this Part.
  - D. When the applicant has violated the provisions of this Part.
2. Upon receipt of a notice of revocation from the Township Officer, the applicant shall have the right to appeal said revocation to the Township Board of Supervisors for a hearing held in accordance with the provisions of the Local Agency Law.

**§ 26-208. Isolation Distances. [Ord. 2002-29, 10/15/2002, § 1]**

1. Minimum isolation distances shall be maintained from the proposed well as follows:

	<b>Minimum Distance</b>
A. Distance from a property line to allow easement or right-of-way access to the well without encroaching on adjoining properties.	10 feet
B. Distance from dedicated road right-of-way line or any established future roadway widening easement, whichever is greater.	15 feet
C. Distance from a building foundation, for the purpose of protecting the well from a foundation or soil treated to control pests, insects or vermin. A distance less than 30 feet may be considered in the replacement of an existing well which does not meet this 30 feet distance requirement.	30 feet

	<b>Minimum Distance</b>
D. Distance from the nearest part of any existing or proposed on-site sewage absorption system, including the drain field, or 50 feet from the nearest part of any existing or proposed septic tank, whether on the land of the applicant or adjoining lands.	100 feet
E. Distance from any gravity sewer line, except that said distance may be reduced to 10 feet when the gravity sewer is constructed of cast iron pipe with watertight bell and spigot joints, or flanged joints fitted with watertight gaskets or mechanical joints, or is constructed of solver welded schedule 40 or SDR equivalent PVC or bell and spigot SDR PVC pipe.	50 feet
F. Distance from any sewage force main.	50 feet
G. Distance from the nearest part of any existing or proposed stormwater seepage pit.	100 feet
H. Distance from any driveway.	10 feet
2. A well may not be located within or under any building other than a separate structure constructed specifically for the housing of pumping equipment.	
3. All suction lines from wells shall be at least 100 feet from all identifiable sources of contamination.	
4. Any pressure water supply line shall be at least 10 feet from any subsurface disposal area.	
5. All wells shall be located so as to be accessible for cleaning, treatment, repair, testing, inspection and such other attention as may be necessary.	
6. All wellheads shall be fitted with watertight covers to protect the well from surface wash or flooding.	

**§ 26-209. Well Abandonment. [Ord. 2002-29, 10/15/2002, § 1]**

1. If the use of a well is permanently discontinued, the well shall be abandoned in a manner consistent with the prevailing Pennsylvania Department of Environmental Protection's well abandonment procedures (Act 610) to prevent the exchange of water of undesirable quality with those whose quality is desirable and to prevent the contamination of groundwater.
2. Only concrete, cement grout or bentonite clay, or a combination of these materials, may be used to seal a well.

3. Before the well hole is filled, the casing shall be removed. If the case cannot be removed, it shall be perforated to assure that sealing material fills all annular spaces and voids.
4. Sealing material shall be placed from the bottom of the well upward by methods that will avoid dilution and/or separation thereof.
5. When a well is to be abandoned, the person abandoning it or the owner of the property (if not the person abandoning the well) shall notify the Township prior to initiating the procedures set forth above. The Township shall arrange with the person abandoning the well to be present to inspect the sealing process. The Township shall maintain records of all abandoned wells and the process undertaken to seal same. Copies of the PADEP well abandonment forms must also be forwarded to the Township.

**§ 26-210. Fees. [Ord. 2002-29, 10/15/2002, § 1]**

All applications for a well permit shall be accompanied by a fee payable to the Township in accordance with a schedule of fees established, from time to time, by resolution of the Board of Supervisors.

**§ 26-211. Effective Date of Permits. [Ord. 2002-29, 10/15/2002, § 1]**

1. The Township shall act upon each such application for permit within 30 days after said application has been filed and, in the event of failure on the part of the said officer to render and communicate a decision to the applicant within the said time period, the applicant shall have the right to request a hearing before the Township Board of Supervisors, said hearing to be held at the next regularly scheduled Township Board of Supervisor's meeting that is at least seven days later than the date of the request.
2. All permits shall be in effect as of the date of issuance and shall remain in effect for a period of one year thereafter. In the event that construction under the permit has not been completed at the expiration of one year from the date of issuance, the permit shall expire, the validity of the permit shall cease and terminate and all fees paid shall be forfeited.

**§ 26-212. Casing. [Ord. 2002-29, 10/15/2002, § 1]**

1. All wells providing residential individual water supplies shall be equipped with a watertight steel casing of a minimum thickness of 0.188 inch and weight of 13 pounds per foot. The minimum casing length or depth shall be 40 feet, with the casing set a minimum of five feet into hard bedrock or other impervious strata and the casing top terminating a minimum of 12 inches above finished grade, resulting in a minimum cased length of 42 feet. A minimum annular clearance of 1.5 inches outside the casing must be maintained so that grout may be placed. The criteria established in AWWA



Standard A 100-90, as amended, must be followed. **[Amended by Ord. 72-2008, 12/16/2008]**

2. Steel casings shall be new pipe meeting ASTM or API specifications for water well construction. If minimum thickness is not considered sufficient to assure reasonable life expectancy of the well, additional thickness will be provided. Steel casing will be equipped with a drive shoe, if needed, and have full circumference welds or threaded pipe joints.
3. Casing other than steel requires prior written approval from the Board of Supervisors. Failure to receive such approval for use of alternate casing types will result in enforcement action and prohibition on use of the water supply.
4. Watertight well casing and grout must be placed at a sufficient depth to prevent the entrance of pollution from surface runoff and polluted aquifers. The casing shall be grouted along its entire length with a Portland cement or bentonite grout meeting the conditions stated in § 26-213.
5. The casing shall extend above the finished grade a minimum 12 inches or to such height as is necessary to prevent entrance of surface water from runoff or flooding at the one-hundred-year flood level. The casing top shall be fitted with a sealing watertight cap.

**§ 26-213. Grout Materials and Location. [Ord. 2002-29, 10/15/2002, § 1]**

1. All grout information (i.e., type of grout and number of bags of material used for grouting) must be submitted in writing on the required Pennsylvania Department of Environmental Protection well completion form by the licensed water well driller within 30 days of completion of the well drilling process.
2. In all well installations, an annular space shall be provided between the well casing and the earth formation. The annular space shall be completely filled with approved grout materials in one continuous operation from the bottom to the natural land surface within 24 hours after completion of the drilling. Before placement of grout, the annular space shall be completely cleared of all obstructions prior to the placement of the grout material. Exterior grouting methods must be used.
3. Grouting shall be accomplished by inserting a minimum of one-inch diameter tremie pipe to the bottom of the casing annulus and pumping grout through the tremie pipe using a positive displacement pump, until grout of the same density as that being pumped returns to the ground surface. The casing shall be sealed effectively against entrance of water from water bearing zones that are subject to pollution. During the installation of a pitless adaptor, grout material may be removed from the exterior of the casing in order to provide a watertight seal between the casing and the pitless adaptor.

4. When drilling is to be continued after grouting, a curing time of 12 hours must be provided during which drilling is not permitted, unless a bentonite plug with cement grout or bentonite is used.
5. The annular space of all well installations must be filled with one of the grout materials described below:
  - A. Neat cement grout shall consist of a mixture of Portland Cement Type I, II or III and water at the ratio of 0.67 cubic feet (five gallons) of water per ninety-four-pound sack weighing approximately 228 lbs/cubic feet. A maximum of 5% by weight bentonite and 2% by weight of calcium chloride may be added.
  - B. Bentonite or sealing clay shall consist of a manufactured clay product that expands in contact with moisture to form a seal that prevents the movement of water. Bentonite must be activated with water prior to resumption of drilling.
6. In all well installations, if rapid loss of grout material occurs during placement, clean, coarse fill material (e.g., sand, gravel, crushed stone, chunk bentonite) may be used in the zone(s) in which the rapid loss is occurring. The remainder of the annular space shall be grouted as provided below. In no case shall pouring, dumping or shoveling of grout material into the annular space be deemed an approved method of grout placement.

**§ 26-214. Grout Placement. [Ord. 2002-29, 10/15/2002, § 1]**

1. Grout Pipe Outside Casing. The annular space shall be a minimum of 1.5 inches (the diameter of the drilled hole shall be greater than or equal to the casing outside diameter plus three inches). All grout shall be placed by pumping through the grout pipe. The entire interval to be grouted shall be open and without obstructions. Washing or jetting with water is recommended for cleaning the bore hole and may serve to remove obstructions caused by caving, which otherwise would prevent a proper grout. It is required that the grout pipe extend from the surface to the bottom of the interval to be grouted. The grout pipe may remain extended to the bottom of the interval during and after grouting, or it may be raised slowly as the grout is placed; provided, that the discharge end of the grout pipe remains submerged in the placed grout at all times until grouting is completed.
2. Unstable Formations (i.e., fractured limestone, saturated soils, etc.).
  - A. When drilling through an unconsolidated formation that caves in, steel casing and a steel drive shoe shall be required.
  - B. If caving conditions are experienced on wells, the annular space shall be kept open with an outer casing and shall be grouted from the

bottom of the inner casing, which shall be at least 10 feet below where caving occurred.

3. Other.
  - A. Other grouting methods and materials may be used subject to prior written approval from the Board of Supervisors.
  - B. Packers shall be of materials that will not impart taste, odor, toxic substances or bacterial contamination to the well water.

**§ 26-215. Pitless Adaptors. [Ord. 2002-29, 10/15/2002, § 1]**

1. Pitless installations where the casing terminates above the ground surface and the well pump discharges through a buried adapter fitting shall be of a design which provides an effective seal against the entrance of ground or surface water into the well. All buried suction lines shall be effectively encased, or otherwise protected to prevent external damage or contamination.
2. Pitless installations must be so designed and constructed of brass as to be structurally sound and to provide for ready removal of drop piping without excavation. The access casing shall be effectively protected against corrosion and shall extend at least 12 inches above the natural ground surface and to a point below the frost line. The ground level at this point shall be elevated above the adjacent ground level and graded to drain away in all directions. The top of the access shall be effectively sealed against the entrance of water, insects and rodents. The pitless adaptor shall not be submerged in water or used in areas used by automobiles and other vehicles unless adequately protected.

**§ 26-216. Disinfection. [Ord. 2002-29, 10/15/2002, § 1]**

1. Following the completion of construction of an individual water supply well and installation of the pumping equipment, or alterations, repair or maintenance work, the well shall be pumped continuously until the water discharged is visually clear of turbidity. The well, pump, piping system and other fixtures shall be filled with water containing a concentration of not less than 50 parts per million of free chlorine. A portion of the chlorine solution shall be circulated directly to the well in order to ensure proper agitation.
2. The water from the new well shall not be used for a period of 24 hours. Other combinations of concentration and time intervals, or other disinfectants such as HTH tablets may be used if demonstrated to be equally effective. One-half ounce of dry hypochlorite (70% available chlorine) dissolved in 52 1/2 gallons of water, make a 50 ppm strength disinfectant solution. Various proportions can be worked out. The purged water shall not be discharged into any

subsurface sewage disposal system and shall not be discharged into any surface water body so as to minimize adverse effects on aquatic life.

3. After well disinfection, one water sample shall be collected from each new well and chemically analyzed at a PADEP certified laboratory for pH, Total Suspended Solids, Total Dissolved Solids, Iron, Nitrate-Nitrogen and Coliform Bacteria. A copy of the laboratory analysis report for each well shall be provided to the Township.

**§ 26-217. Cross Connections. [Ord. 2002-29, 10/15/2002, § 1]**

1. If pump and piping are not installed by the well driller, the owner is responsible for the proper installation of check valves and backflow prevention valves.
2. Backflow prevention valves must be incorporated into the system and shall be used as needed for each outside water hose connection. At least two check valves must be incorporated into each water system that derives water from a well.
3. Except where not practical, a cross connection prevention assembly shall be provided.

**§ 26-218. Enforcement. [Ord. 2002-29, 10/15/2002, § 1; as amended by Ord. 2003-31, 10/21/2003, § 1]**

1. Waiver. If an applicant has shown that any mandatory provisions of this Part are unreasonable or cause undue hardships as they may apply to the subject property, the Board of Supervisors shall schedule a public hearing, upon written request of the applicant, and upon payment of the required fee, and may in their discretion grant a variance or waiver to such applicant from the mandatory provision of this Part so that substantial justice may be done and the public interest secured. The granting of any such variance or waiver shall not have the effect of nullifying the intent and purpose of this Part. In granting variances, waiver or modifications, the Supervisors may impose such conditions that will, in their judgment, substantially secure the objectives of the standards or requirements so modified. Any such hearing shall be held in accordance with the provisions of the Local Agency Law.
2. Violations.
  - A. Any person, firm or corporation who shall violate any provision of this Part, upon conviction thereof in an action brought before a district justice in the manner provided for the enforcement of summary offenses under the Pennsylvania Rules of Criminal Procedure, shall be sentenced to pay a fine of not more than \$1,000 plus costs and, in default of payment of said fine and costs, to a term of imprisonment not to exceed 90 days.

- B. For the purpose of this Part, each day of a continuing violation shall be considered a new and separate violation of this Part.
- C. The Township may, in addition to any other remedies available to it, institute an action in equity to enjoin or otherwise restrain or prevent the violation of the provisions of this Part. The Township may also undertake the work itself or make such repairs or corrections as are necessary to comply with this Part and, upon completion of the work, send an itemized bill of the costs of the work to the property owner, which bill shall be payable forthwith. In case of neglect or refusal by the owner of such property to pay said bill, the Township may file a municipal lien for the work within six months of the completion of the work.

**§ 26-219. Disclaimer. [Ord. 2002-29, 10/15/2002, § 1]**

Approval of the application and issuance of a permit for a well does not constitute any guarantee or warranty by the Township regarding either quality or quantity of water that may be obtained as a result of any well drilled under the permit. The permit provides the Township's approval to drill a well at the site shown on the permit and does not provide any other guarantees, approvals or warranties.

