

RESOLUTION NO. 2021-05

A RESOLUTION OF THE TOWNSHIP OF FERGUSON, CENTRE COUNTY, PENNSYLVANIA ESTABLISHING A CREDIT POLICY MANUAL FOR THE STORMWATER MANAGEMENT UTILITY FEE AS DESCRIBED IN EXHIBIT "A" AND ATTACHED HERETO.

WHEREAS, the Ferguson Township Board of Supervisors adopted Ordinance #1066 on February 16, 2021 establishing a Stormwater Management Utility Fee for all property owners in Ferguson Township; and

WHEREAS, the intention of the ordinance and fee is to offset the direct and indirect costs of stormwater management in Ferguson Township; and

WHEREAS, a component of the Township's stormwater management obligations is to encourage and incentivize best management practices for the conveyance and treatment of stormwater by property owners in the Township;

WHEREAS, a Credit Policy Manual has been enabled by the ordinance to provide a mechanism for property owners to reduce their annual fee by invoking certain credits related to the reduction of the impact on public infrastructure and the cost of stormwater management to the Township.

NOW THEREFORE, the Ferguson Township Board of Supervisors hereby establishes a Credit Policy Manual for the Stormwater Management Utility Fee attached hereto and made part of this Resolution as Exhibit "A".

RESOLVED this 16th day of February, 2021.

TOWNSHIP OF FERGUSON

By:   
Laura Dininni, Chair  
Board of Supervisors

[SEAL]

ATTEST:

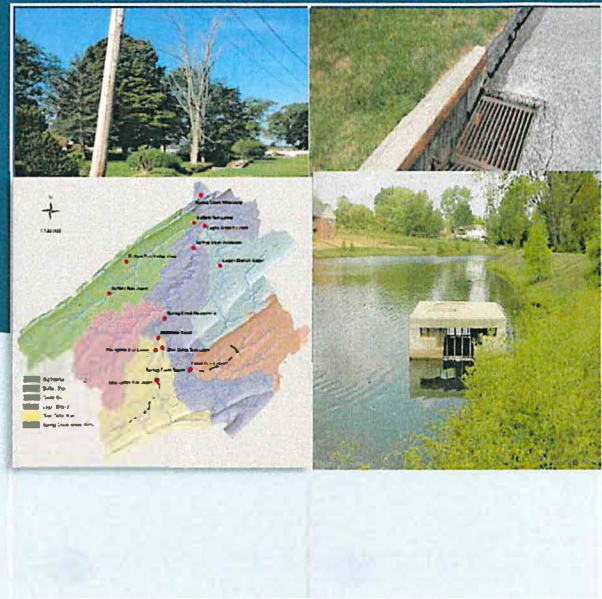
  
David G. Pribulka, Secretary



TOWNSHIP OF FERGUSON

# Stormwater Management Program

## Credit Manual -2021



Your guide to reducing your stormwater fee and protecting Ferguson's water resources.

**Township of Ferguson**  
Public Works Department

**February 17, 2021**

Ferguson Township

**Stormwater Protection Program**

Credit Manual

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**Forms**

Credit Application Form  
Structure Certification Form



## Why manage stormwater?

Stormwater is rain and melted snow that “runs off” the land. In natural, undeveloped areas, soil absorbs and filters most of the stormwater in a process called infiltration. The water that runs off the land in Ferguson Township impacts the Spruce Creek Watershed and Halfmoon Creek, Spruce Creek, Beaver Branch and Slab Cabin Run.

During development, natural areas are replaced with roofs, driveways, sidewalks, and streets. These hard surfaces, called impervious surfaces, do not allow water to penetrate them. Stormwater runoff carries fertilizers, sediment, oil, grease, heavy metals, trash, and anything else deposited on impervious surfaces directly into the Township’s storm drain system and natural stream systems. This can cause:

- Erosion of streams and decreased water quality;
- Contamination of downstream water quality and drinking water supplies; and,
- Flooding, property damage, and damage to public storm drains.

Ferguson Township is taking action to clean up our community’s polluted stormwater runoff and to make investments in our aging stormwater infrastructure. Half of the Township’s pipes are corrugated metal pipe that has met or exceeded its projected life and is deteriorating. This will not only help to improve water quality and our environment for future generations, but also help protect residents and private property from damage due to flooding.

## Did you know that Ferguson Township ...

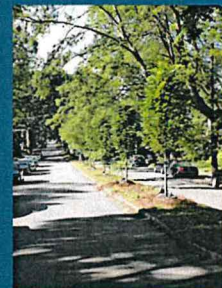
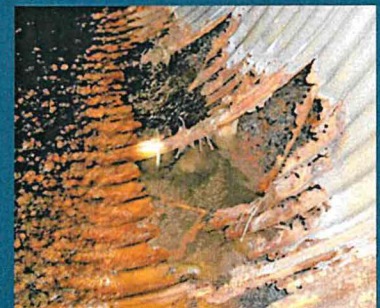
- **Maintains over 33 miles of pipe and channels, 2,000 catch basins, and 56 miles of curbing to channel runoff safely from roadways?**

Half of pipe in the system is deteriorating because corrugated metal performance is at or near its useful life.

- **Plants and maintains over 5,000 street trees across the Township?**

Trees help decrease runoff and cool the urban environment.

- **Is required by state and federal law to reduce stormwater pollution and improve the quality of our local streams?**






## Stormwater Protection Program

Ferguson Township has been working diligently to develop solutions to our water quality and flood control challenges. After considering different options, the Township has implemented a stormwater utility fee. A stormwater utility fee is a charge based on the amount of impervious area on a property.

This approach has several advantages. First, it fairly distributes the cost of the Township's stormwater services since the amount of impervious area is related to the amount of stormwater that must be managed and all property owners directly benefit from a well maintained and regulated drainage management system. This concept is similar to measuring usage and calculating fees for drinking water and sanitary sewer services. Second, the amount of the fee must be linked to demonstrated need for publicly provided stormwater management services addressing flood abatement, water quality protection, infrastructure operation and maintenance, and regulatory compliance. All revenue is deposited into a special fund that can only be used for stormwater management.

How is the fee calculated?

Since a stormwater utility is a fee for service, all properties are charged regardless of their tax status. In Ferguson, properties are charged per ERU or equivalent residential unit. In determining what an ERU equals, staff examined every residential property in the Township and calculated an average amount of impervious area for residential lots. This was determined to be 3,097 square feet, which is used to define one ERU. For non-residential properties, the number of ERUs assigned is determined by dividing the total impervious area of the parcel by 3,097 square feet. A property's fee is then determined by multiplying the number of ERUs that apply to the property by the rate per ERU. Once that amount is determined, any credits or exemptions that apply are deducted and the difference represents the final fee assessed to the property.

Sample Property	Factor	Calculation
	Impervious Area	53,873 Square Feet
	Billing Unit = ERU	3,097 Square Feet
	Number of Billing Units on Property	$53,873 \div 3,097 = 17.4$
	Natural Rounding	17 Billing Units
	User Fee	17 Billing Units $\times$ Rate Set by Township Board of Supervisors

A property with less than 500 SF of impervious area results in a billing unit of zero and is therefore not assessed a fee.

Can I reduce my bill?

Yes! Another advantage of a stormwater utility fee approach is that it allows the Township to provide “credits” to property owners who have implemented practices that reduce the impact of stormwater on the publicly-managed system.

**Ferguson property owners can reduce their fee in two ways:**

[1] Reduce your impervious area.

Property owners can remove un-needed impervious area. If the removal of impervious area results in fewer billing units, there is a reduction in the total fee charged. The Township’s Engineering section is happy to work with any property owner to assess whether a planned reduction will result in a lower fee.

[2] Take credit for a stormwater management structure on your property.

The Township will provide credit to property owners who operate and maintain qualifying stormwater management structures. These private structures help the Township by reducing the cost of managing the public system. Typical facilities include dry ponds, wet ponds and wetlands, bioretention, bioswales and filter strips, permeable pavers, and green roofs.



A stormwater structure, such as the bioretention facility above, may qualify a property owner for a credit on the stormwater utility fee.

This manual provides a step-by-step process for determining whether your stormwater structure qualifies for credit.

Will the Township help partner if I want to improve my property?

To assist willing property owners, the Township has implemented a program designed to help property owners who have pipe or basins that perform a public function by carrying stormwater across their property or receive stormwater flow from the publicly owned and operated drainage system. The partnership program is a part of the capital improvement strategy for maintaining the stormwater system.

**Some of these practices are eligible for credits if designed and maintained to meet certain standards.**



## Credit Policy

The Township will provide a stormwater utility fee credit for any stormwater management structure, whether built voluntarily or as a condition of development, if it meets the requirements in the Credit Eligibility Table:

Credit Eligibility Table for Post Construction Structures

Component	Requirement
Technical Standards	<ul style="list-style-type: none"> <li>● <b>Condition of Development</b> The structure is designed, installed, and certified in accordance with the technical standards required by the Township stormwater management ordinance at the time of construction.</li> <li>● <b>Voluntary</b> The structure is designed, installed, and certified in accordance with the technical standards required by the Township stormwater management ordinance at the time of development and installation. Other standards may be approved at the discretion of the Township Engineer if they meet the treatment requirements of the Township's Municipal Separate Storm Sewer System (MS4) permit.</li> </ul>
Maintenance Agreement	<ul style="list-style-type: none"> <li>● The structure must be subject to a properly executed maintenance agreement with the Township.</li> <li>● For a voluntarily implemented structure, the maintenance agreement must be for at least a 20-year period from the date the structure becomes operational unless a different amount of time is agreed to in writing by the Township. When the agreement expires, it may be renewed or allowed to lapse, the latter of which will result in the credit being discontinued.</li> <li>● As a condition for a new or renewed credit, the Township may require an existing maintenance agreement to be updated to meet current standards for maintenance and inspection.</li> </ul>
Function Verification	<ul style="list-style-type: none"> <li>● The structure must be functioning as designed.</li> <li>● This requirement is satisfied if the structure has previously been certified by a stormwater engineer, has passed its most recent inspection, and is compliant with any reporting requirements contained in the maintenance agreement.</li> <li>● If the above conditions have not been met, this requirement is satisfied if a professional engineer or other professional recognized by the Township certifies that the structure is operating as designed.</li> <li>● If the structure fails a Township inspection, the Township will revoke the credit if corrective actions are not taken within the time specified by the Township.</li> </ul>



How much credit can I get?

The Township’s credit system accounts for the fact that different structures and design standards provide different levels of benefit. Some structures provide only quality or flood control, while others provide both. Some structures provide higher levels of pollutant reduction than others. The credit system is also designed to encourage redevelopment of existing impervious areas and to incentivize voluntary installation of structures by a property owner. The following credit amounts will be applied to an eligible stormwater management structure.

Summary of Available Credits

Table 1. Summary of Available Credits by Property Type.

Credit	Eligible Property Type					Maximum Credit
	RES	NR				
		ALL	EDUC	AG	MS4	
Public Engagement		X				10%
Education			X			10%
Structural BMP Rate Control	X	X				10%
BMP for Water Quality	X	X				20%
BMP for Recharge	X	X				40%
Voluntary Exceedance	X	X				15%
BMP Operations and Maintenance Plan	X	X				5%
Disconnected Impervious (low impact develop.)	X	X				5%
Riparian Buffer/Floodplain Protection	X	X				30%
Turf Nutrient Management Plan	X	X				15%
Manure, Pesticide, Nutrient Management, E&S Controls				X		15%
Stream Buffer				X		30%
Adopt an Inlet	X					20%
Rain Barrel and Downspout disconnection	X					20%
Separate MS4 permit holder					X	40%
Urban Tree Canopy Expansion	X	X				40%
Innovation	X	X				20%

Table definitions of abbreviations

**RES:** A Residential use property

**NR:** A Non-Residential use property

**ALL:** Any NR property charged a Stormwater Management Program Fee

**EDUC:** Any public or private educational system property (K-12)

**AG:** Agriculture use property as defined in Chapter 27 Zoning of the Ferguson Township Code of Ordinances.

**MS4:** Any NR property charged a Stormwater Management Program Fee that is also the holder of a Municipal Separate Storm Sewer permit

**BMP:** a best management practice or stormwater control measure (SCM) as defined by the Pennsylvania Department of Environmental Protection and/or allowed by the Township stormwater ordinance

**Table Notes:**

1. Non-Residential properties that are categorized as **EDUC** or **AG** are also potentially eligible for any Non-Residential Credits listed as **ALL**.
2. All credits are cumulative but cannot exceed a total 40% credit for any property.
3. Urban Tree Canopy Expansion – reference Table 2 for amount of credit
4. Unless noted below, credit assignment shall be the maximum credit allowed.

**Credits**

***Public Engagement (NR ALL )***

Community groups, businesses, non-profits, and other organizations are eligible for this credit and encouraged to promote water quality and sound stormwater management principles by providing opportunities for individuals to participate in activities such as:

- Stream cleanups,
- Rain barrel workshops,
- Roadside clean-up,
- Township approved tree planting,
- Sponsoring an educational event at a public venue.

***Education (NR EDUC)***

Deliver specific messages to target audiences consistent with the Township's stormwater management program and MS4 (municipal separate storm sewer system) permit. The Township encourages both public and private educational systems (K-12) to educate and inform their students on the importance of surface water and ground water resources, and the relationship to stormwater management, and how that relationship plays a role in preserving the quality of the Township's water resources.

The educational program may include but is not limited to:

- participation in a water resource-themed student poster session or science fair,
- take-home materials,
- classroom lessons,
- field trips.

The educational program/materials must be approved by the Township. A list of educational resources and materials can be found on the Township's web site.

Education Credits only apply to the impervious area on the school property associated with the teaching facility where the stormwater education is taught. For example, a high school course offering would allow a credit for impervious area on the high school property, not on the property of a middle school or elementary school.

**Structural BMP for Rate Control (RES and NR ALL)**

Demonstrate the ability to limit post-development runoff rates to pre-development runoff rates. Must have a recorded BMP operation and maintenance plan and easement agreement allowing the Township to inspect the BMP

***Structural BMP for Volume Control (RES and NR ALL)***

Demonstrate the ability to retain at least one inch of rainfall onsite through infiltration, reuse, or evapotranspiration. Must have a recorded BMP operation and maintenance plan and easement agreement allowing the Township to inspect the BMP.

***BMP for Water Quality (RES and NR ALL)***

Demonstrate the ability to improve the quality of surface runoff prior to discharge from the property. BMPs may be non-structural such as soil media and vegetated filter strips, or structural such as man made filters or hydrodynamic devices. Must have a recorded BMP operation and maintenance plan and easement agreement allowing the Township to inspect the BMP.

***BMP for Recharge (RES and NR ALL)***

Demonstrate the ability to infiltrate the runoff volume associated with at least 1 ½" (one and one half inches) of rainfall completely on site. Must have a recorded BMP operation and maintenance plan and easement agreement allowing the Township to inspect the BMP.

***Voluntary Exceedance (RES and NR ALL)***

Demonstrate that an on-site BMP exceeds the minimum regulatory control requirements of the Township stormwater ordinance for rate or volume control by at least 20%. For existing approved stormwater facilities, the minimum regulatory control requirements may be either those in effect at the time of subdivision or land development approval or the current Township stormwater management ordinance. Must have a recorded BMP operation and maintenance plan and easement agreement allowing the Township to inspect the BMP.

***BMP Operations and Maintenance Plan (RES and NR ALL)***

This credit applies to a property with a BMP such as a stormwater basin on site, yet no recorded operations and maintenance plan nor easement exists on the property for the BMP. The applicant receives this credit by recording a Township approved BMP operation and maintenance plan and easement agreement allowing the Township to inspect the BMP.

***Disconnected Impervious or Low Impact Development (RES and NR ALL)***

A property must meet the following criteria:

Have 10% or less of the total site area as impervious area,  
OR

Have 20% or less of the total site area as impervious area AND,  
the impervious areas are not directly connected (for example but not limited to: gutter, swale, channel, pipe) to a storm sewer, curb line, stream, channel, street or other surface water conveyance AND,

the impervious areas are a minimum of fifty (50) feet (measured horizontally) from the edge of a stream, channel, wetland, or other surface water conveyance.

***Riparian Buffer/Floodplain Protection (RES and NR ALL)***

This credit is available to property owners who create or have and then maintain a riparian buffer alongside a stream as defined in Chapter 27, Zoning Ordinance on their property (maintaining a



stream buffer on property other than the Owner's may be eligible for a Public Participation Credit). The riparian buffer can be existing or a newly-planted buffer of native plants. Buffers must meet the following criteria:

1. A minimum of twenty-five (25) contiguous linear feet of stream must be buffered from the top of bank to a minimum distance of 25 feet measured horizontally from and perpendicular to the stream
2. Must have a recorded BMP operation and maintenance plan and easement agreement allowing the Township to inspect the BMP.

### ***Turf Nutrient Management Plan (NR except AG)***

Properties with lawns or landscape areas where fertilizers and pesticides are typically applied may apply for this credit (AG properties are eligible for a different credit). A property must meet the following criteria:

1. Soil fertility sample(s) must be collected and submitted to a qualified lab such as the Pennsylvania State Agricultural Analytical Services Laboratory for a soil fertility test. A sample must be taken a minimum of once every three years and a copy of the results must be submitted to the Township with the credit application;
2. The property owner must commit to following the recommendations provided on the soil fertility report, including the application of lime if recommended.
3. The impervious area of the property cannot exceed 40% of the total parcel area.

### ***Manure, Pesticide, Nutrient Management, E&S Controls (NR AG)***

To be eligible for this credit, agricultural properties must have current plans in place as applicable for manure, pesticide, nutrient, and/or erosion control management as required by the Centre County Conservation District. Property owner to provide evidence of appropriate approved plans with the credit application.

### ***Stream Buffer (NR AG)***

This credit is available to agricultural property owners who create or have and then maintain a stream buffer of plantings alongside a stream as defined in Chapter 27, Zoning on their property. A property must meet the following criteria:

1. A minimum of half the length of the stream on the property must be buffered from the top of bank to a minimum distance of 35 feet measured horizontally from and perpendicular to the stream,
2. The stream buffer BMP must be reviewed and approved by the Centre County Conservation District,
3. Must have a recorded BMP operation and maintenance plan and easement agreement allowing the Township to inspect the BMP.

### ***Adopt and Inlet (RES)***

This credit is available to property owners that participate in the Adopt an Inlet program. Although residents may adopt as many inlets as they like, only one adopted inlet will be applied per property for the purpose of Credit. Adopted inlets should be in close proximity to the property receiving the Credit. If there are no inlets in close proximity to the property, a property owner to adopt an inlet elsewhere in the Township. Participants will be responsible for keeping leaves and other debris away from their adopted inlet. Approved participants will receive periodic emails to alert them to check on and remove surface debris from their adopted inlet. Additionally, participants will be asked to alert the Township of any maintenance issues that need addressed around their adopted inlet.

### ***Rain Barrel and Downspout Disconnects (RES)***

This credit is available to property owners if downspouts on the property are properly connected to a rain barrel, cistern, or other approved containment device that provides a minimum of 40 gallons of storage per downspout. If all downspouts are connected to rain barrels, then all available credit per the table will be applied. If only half of the downspouts have rain barrels, then half the available credit will be applied. In lieu of counting the number of downspouts, the percentage of roof area captured can also be used to determine Credit amount.

Property owners are available for this credit if downspouts are disconnected from directly discharging into a stream, channel, stormwater inlet, stormwater conveyance pipe, driveway or other surface conveyance feature, including all IA. The amount of the Credit will be determined by the percent of downspouts disconnected or by the percent of the roof area discharged to disconnected downspouts. Disconnected downspouts should have a minimum of ten (10) feet of pervious land separation from the nearest down gradient impervious surface to qualify for Credit. The use of rain barrels and downspout disconnection can be used together. For example, if you have four (4) downspouts and two (2) are connected to two (2) rain barrels and two (2) are disconnected and drain into the lawn, then you would be eligible for half available credit (rain barrel) + half available credit (downspout disconnection) = Total Credit.

### ***Separate MS4 Permit Holder (NR MS4)***

A Credit is available to those properties that have been identified by PADEP as being required to obtain and comply with the terms of a Non-Municipal MS4 permit. To be eligible for the Credit, the MS4 permit must be kept in full compliance and the Township must be provided a copy of the MS4 permit as well as copies of the annual reports.

### ***Urban Tree Canopy Expansion (RES and NR) All properties***

Property owners who complete an urban tree planting project on their property are eligible for this credit. Tree canopy Credits can also be applied to existing trees if the tree canopy covers existing impervious surfaces. New trees are not required to cover existing impervious surfaces. To be eligible, the planted tree must have a minimum diameter at breast height (DBH) of one (1)-inch. A minimum of four (4) trees are needed to qualify for the Credit, and can consist of a combination of existing and new plantings. Credits will be applied based on Table 2. Planting trees as part of restoration efforts associated with tree harvesting is not an eligible activity to receive Credits. Trees required to be planted as part of a land development plan including but not limited to street trees and buffer plantings, trees required under the tree preservation ordinance, are not eligible plantings to receive this credit. For RES properties, credits are applied based on absolute number of trees. For NR properties, credits are applied based on the number of trees per ERU. Two examples of how Credits are calculated are shown below:

**RES Example:** Property has two (2) existing trees along the street in front of their house. The property owner plants three (3) additional trees in the backyard for a total of five (5) trees. The property owner is eligible for a 20% Credit for the five (5) trees.

**NR Example:** A property with 100 ERUs of IA has no existing trees. The property owner plants 30 trees around the perimeter of the property. This is equivalent to planting five (5) trees per ERU for six (6) ERUs. The property owner is eligible for a 40% Credit on six (6) of their 100 ERUs.

Table 2. Tree Canopy Credit based on Number of Trees



Number of Eligible Trees		Credit
RES	NR	
4	2 per ERU	15%
6	3 per ERU	25%
8	4 per ERU	35%
10	5 per ERU	40%

### ***Innovation (RES and NR ALL)***

Ferguson Township recognizes that the ultimate goal of the SMP and Credit Policy is to improve our stormwater management system and local and regional water quality. Therefore, Ferguson Township encourages property owners to propose other means to improve their property and our community through the use of innovative stormwater technologies. If a property owner has an idea for a project worthy of stormwater credits, the property owner may submit the project idea under the Innovation Credit. The project eligibility will be determined by the Director.

### Common Questions

- Does the credit apply to the entire property? For structural facilities (Post Construction and Green Infrastructure) the credit only applies to the impervious area draining to the structure, not the entire property.
- Can I take credit for impervious area from another property? Yes, but only if the area is not subsequently treated by a structure on the contributing property. However, in no case can the credit taken by a property owner exceed 40% of the total stormwater utility fee for the property.
- What about structures that are maintained by a homeowner's association? These structures are subject to specific procedures and are addressed later in this manual.
- **How do I know the design standard for my structure?** The Township will assign the design standard based on when the development was reviewed and approved, which aligns with the Township stormwater requirements at that time.
- **What if my structure exceeded the design standard in place at the time of development?** Most structures were designed to meet the overall requirements for the property at the time of development. The Township will grant an additional credit as stated in table 1 for those that exceed 20% of the design standard requirement.
- **Why can't I get 100% credit on my stormwater bill?** The Township's stormwater program is designed to be comprehensive and includes public services such as rehabilitation and replacement of the storm drainage system, and regulatory compliance. All properties receive a benefit from the overall program and therefore contribute to the funding needed for stormwater management.
- **If I build a structure using Township cost-share funds, does that affect my credit?** Yes. Under the Partnership Program a credit will be reduced by the percent of public funds used to



design and install (or retrofit) the structure. The reduction applies for the expected functional life-time of the structure (20 years unless otherwise provided by the Township).

Post Construction and Green Stormwater Structures serving homeowner associations.

A stormwater management structure may be operated and maintained by a homeowner association (HOA) on behalf of its members. **In these cases, the credit applicant is the association, not the individual property owners.** This is because some properties that belong to the association pay for maintenance of the structure but may not actually drain to the structure. Conversely, some properties that drain to the structure may not belong to the association.

**HOAs have two options and should contact the Township's Engineer for more information prior to submitting a credit application.**

Separate Billing and Consolidated Credit

The HOA and individual property owners will be billed separately for their impervious area. However, credit for the stormwater structure(s) is analyzed as if the HOA was a single property. When submitting an application, the association enters the total impervious area within the association boundary draining to the structure. The resulting credit is provided to the association. If the amount of the HOA's utility bill is less than the credit, the HOA will receive a check from the Township. It is then up to the association, on behalf of its members, to determine how to distribute the credit among property owners (direct payment, reduction in HOA fees, deposit into a structure maintenance fund, etc.).

How and when do I apply?

A Credit Application Form must be submitted to the Township by the operator of the structure, or his/her legal agent, and approved by the Township's Engineer to receive credit no later than September 30 for the following fiscal year user fees. Separate forms may be needed when there are multiple structures that are eligible for different credit levels. Once an application is approved, it will be applied to the next full billing period. Credits are not retroactively applied to a previous billing period.

## Credit Application Checklist

Documentation	Description
Credit Application Form	This form is located under Forms at the end of this manual.
Structure Certification Form	This form is required ONLY if the structure has not been approved by the Township and accepted into the Township's inspection program. The form is completed under the authority of a professional engineer or other qualified professional. The form must include certification that the structure is functioning as originally designed.
The following must be submitted on request if not on-file with the Township:	
Drainage Area Map	Provide a to-scale map showing property lines, impervious areas, stormwater drainage area boundaries, and the total impervious cover draining to the structure(s).
Structure Design Plan/As-Built Drawing	Provide the design plan and as-built drawing for the structure(s).
Maintenance Agreement	Provide a copy of the agreement that allows the Township access to the site and establishes enforceable maintenance and reporting requirements. An updated maintenance agreement may be required as a condition of receiving credit.

Do I need to re-apply for credit?

At the discretion of the Township, credit will continue to renew on an annual basis provided that the operator complies with all requirements of the maintenance agreement. The Township reserves the right to change the criteria for receiving credit or require additional information for the operator of the structure to continue receiving credit.

The Township will periodically inspect properties to verify functionality of the structures or best practices. If the inspection results in a determination of non-compliance or performance with the terms of the credit, the property owner will be provided time to make corrections/improvements. If such deficiencies are not corrected, the credit will be revoked.



Credit Application Form Structures and Buffers

FILL OUT THIS FORM FOR EACH STORMWATER MANAGEMENT STRUCTURE IF THERE ARE MULTIPLE STRUCTURES ON A PROPERTY

Applicant Name:

Date:

Property Information:

Owner

Street

Township, State, ZIP Code

Property Type

Choose an item.

Mailing Address: (if different from property address)

Street

Township, State, ZIP Code

Email Address:

Phone Number:

Homeowner Association Information:

Is the structure operated by a homeowner association?

Yes       No

Facility/Buffer Information:

Leave blank if information is unknown.

Facility, Buffer or Practice Type

Year of Installation

If buffer, width & length in feet:

W \_\_\_\_\_ L \_\_\_\_\_

If buffer, name stream protected:

Was this facility/buffer constructed as a condition of development? Yes  No

If structure was a condition of development, was the facility designed to control new impervious cover, existing impervious cover, or a combination of both?

New Impervious Cover

Existing Impervious Cover

Both New and Existing Impervious Cover

**Impervious Area Treated:**

New Impervious Area Treated  SF

Existing Impervious Area Treated  SF

Total Impervious Area Treated  SF

**Additional Information:**

Please include additional information if necessary either in the box below or as a separate attachment:

The following supporting documentation may be required if it is not already on-file with the Township. Township staff will contact the applicant if the information is needed.

- **Drainage Area Map** – A to-scale map showing property lines, impervious areas, stormwater drainage area boundaries, and the total impervious cover draining to the structure(s).
- **Structure Design Plan/As-Built Drawing** – A design plan and as-built drawing for the structure(s).
- **Maintenance Agreement** – A copy of the agreement that allows the Township access to the site and establishes enforceable maintenance and reporting requirements. An updated maintenance agreement may be required as a condition of receiving credit.

**Certification and Inspection Agreement**

- I am the legal operator or I am duly authorized to act on behalf of the legal operator, I have reviewed the information contained in this application and the supporting documentation, and to the best of my knowledge believe that it is true and accurate.
- I commit to maintaining the stormwater management structure in good working condition.
- I authorize the Township or its representative to enter the site for the sole purpose of visually inspecting the stormwater management structure.
- I understand that if an inspection by the Township indicates that the structure is not properly maintained, that the structure will no longer be eligible for credit if deficiencies are not corrected within the timeframe provided by Township staff.

**Name/Title:**

**Signature** \_\_\_\_\_ **Date** \_\_\_\_\_

**Return this form and supporting documentation to:**  
Ferguson Township



Credit Application Form Non-Structural/Buffers

FILL OUT THIS FORM FOR EACH STORMWATER PRACTICE (NUTRIENT MANAGEMENT PLAN, DISCONNECTED IMPERVIOUS AREA, INFILTRATION PRACTICE/GROUNDWATER RECHARGE) IF THERE ARE MULTIPLE ACTIVITIES/PRACTICES ON A PROPERTY.

Applicant Name:  Date:

Property Information:

Owner   
Street   
Township, State, ZIP Code   
Property Type  Choose an item.

Mailing Address: (if different from property address)

Street   
Township, State, ZIP Code

Email Address:

Phone Number:

Information:

Please include detailed information if necessary either in the box below or as a separate attachment to describe the activity or practice. Identify the credit applied for on this property.

Structure Certification Form

**FILL OUT THIS FORM ONLY IF THE STRUCTURE HAS NOT ALREADY BEEN ACCEPTED INTO THE TOWNSHIP'S INSPECTION SYSTEM**

**Applicant Name:**  **Date:**

**Property Information:**

Owner

Street

Township, State, ZIP Code

Property Type  Choose an item.

**Structure Type:**

**Year Built:**

**Design Standard:**

**Impervious Area Treated (SF):**

<b>General Condition:</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>
Is the primary outfall pipe/ ditch clear and functioning?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are the inflow pipes/ ditches clear and functioning?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Is the water quality pool at the correct height (if present)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are water quality pool control weirs, pipes, etc. working properly?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are emergency overflow devices clear and functional (if present)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Is the structure clear of sediment?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Is the structure clear of trash?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are embankments free of erosion, woody vegetation (unless called for in the design), animal burrows, or signs of deterioration?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Is vegetation being managed in a manner appropriate to the facility?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Certification**

This certification must be made by or under the guidance of a licensed professional engineer, landscape architect, or other professional recognized by the Township to make this certification.

- Based on a visual inspection of the above facility conducted on   
I certify that the structure is currently functioning as designed.
- I certify that the total impervious area served by the structure is true and accurate.

**Attach documentation of the structure inspection, including photographs.**

**Name:**

**Qualification:**

**Address of Inspector:**

**Email:**

**Phone:**

**Signature** \_\_\_\_\_ **Date** \_\_\_\_\_

**Return this form and supporting documentation to:**

Ferguson Township