

# CREDITS PROGRAM APPLICATION

## *SECTION I: APPLICATION PROCEDURE*

### **Part A: Getting Started**



**Butler County Storm Water District**  
1921 Fairgrove Avenue (Ohio 4)  
Hamilton, Ohio 45011-1965  
Storm Water Hotline: (513) 785-4120  
StormWaterDistrict.org  
Attention: Mr. Bob Lentz

Each of the credits offered by the Butler County Storm Water District program is based on two primary storm water management standards. We encourage you to use both of these primary documents as baseline guidelines for preparing your credits application. The two documents are as follows:

- The Butler County Sub Division Regulations
- It is suggested that you obtain a copy of *“Rain Water and Land Development”* Ohio’s Standards for Storm Water Management Land Development and Urban Stream Protection for support documentation from the Ohio Department of Natural Resources, Division of Soil and Water Conservation, Fountain Square Court, Columbus, Ohio 43224 (614) 265-6610 or fax (614) 262-2064. (You can call and order and they will bill you later).

### **The following are key criteria that must be considered for every credit application:**

- The maximum credit to be received will not exceed 50% of the storm water bill.
- No partial credit will be given for any management practice.
- District staff review will be completed within a reasonable time period.
- Credit will only be offered for that portion of the property that the management practice applies.
- Management practices submitted for credit consideration shall meet current Butler County Storm Water District drainage requirements where appropriate.
- Flow must be restricted if an existing storm sewer cannot be shown as adequate to handle increased discharge.
- All excess storm water runoff must be retained within the boundaries of the development or storm water easement and stored in a detention facility capable of containing the excess runoff above the undeveloped 2-year storm resulting from a 100-year storm with duration up to 24 hours.
- Only those non-residential properties that contain 5 or more ERUs may apply and/or qualify for credits.
- An exception will be made to the rule if a property that contains less than 3 ERUs and is part of a group credit application with two or more properties applying for a regional BMP.
- This does not include properties that fall under the statewide Construction Activity general permit.
- The application fee will be waived for those applicants that apply for credit before December 31, 2004.

### **Part B: Assemble Data**

Supporting data is needed to support each credit applied for. The type of supporting data varies depending on the type of credit requested and is shown in the table below.

## Supporting Data Requirements:

The following is a list of potential supporting data that will be required with your credit application submittal. Please submit all pertinent information along with your application. This will expedite the District's review of your credit application. Table 1 illustrates the minimum required information for each of the given management practices and credits. You are encouraged to provide any additional information not included in the matrix that may be appropriate for your property and may assist in evaluating your potential credits.

**Table 1 – Credits Application Supporting Documentation Requirements by Credit Type**

Table 1	Credit Type									
	Post Construction Storm Water Quality				Permanent Runoff Control	Stream Restoration	Other			
	Vegetated Stream Buffer	Grass Filter Strips	Infiltration Trench	Water Quality Ponds	Vegetative Channel	Stream Restoration	Industrial Individual NPDES	Brownfield reuse	Education	Adopt A Stream
Site Plans					X	X	X			
Site Survey	X	X		X	X	X	X			
Calculations	X	X		X	X	X	X			
Maintenance Management Plan	X	X		X	X	X	X			
Maintenance Schedule	X	X		X	X	X	X			
Easement	X	X		X	X	X	X			
Deed Restriction	X	X		X	X	X	X			
Engineer/Survey Stamp	X	X		X	X	X	X			
Education Plan								X		
Adopt A Stream									X	
Clean Up Documentation									X	
Proof of Brownfield Documentation										X
NPDES Permit							X			
Pollution Prevention Plan	X	X		X			X			

### Site Plans and Surveys

- \_\_\_\_\_ Adjoining lakes, streams, or other major drainage ways
- \_\_\_\_\_ Existing and proposed contours
- \_\_\_\_\_ Impervious delineation and labels (buildings, driveways, etc.)
- \_\_\_\_\_ Drainage area map, including off-site areas draining through the site
- \_\_\_\_\_ Size and location of all storm water structures
- \_\_\_\_\_ Construction Drawings if not previously approved
- \_\_\_\_\_ Plat Maps \_\_\_\_\_ Engineer or Surveyor Stamp
- \_\_\_\_\_ County Auditor Maps \_\_\_\_\_ Other permits

### Calculations

- \_\_\_\_\_ Hydrologic calculations for undeveloped and developed land uses
- \_\_\_\_\_ Hydraulic calculations stage-discharge relationships of controls
- \_\_\_\_\_ Floodplain encroachment calculations

### Maintenance Management Plan and Schedule

- \_\_\_\_\_ Maintenance Management Plan
- \_\_\_\_\_ Maintenance schedule of all operations that affect the efficiency of the structural control including mowing, sediment removal, cleaning, planting, monitoring, watering, and channel restoration
- \_\_\_\_\_ Maintenance Agreement

### Easement and Deed Restriction for inspection access and long term maintenance of BMP

- \_\_\_\_\_ Easement
- \_\_\_\_\_ Deed Restriction
- \_\_\_\_\_ Other \_\_\_\_\_ (Please describe)

### Other Data

- \_\_\_\_\_ Education Plan \_\_\_\_\_ Brownfield Certification
- \_\_\_\_\_ Adopt A Stream Application \_\_\_\_\_ Pollution Prevention Plan
- \_\_\_\_\_ Clean Up Participation \_\_\_\_\_ Other \_\_\_\_\_ (Please describe)
- \_\_\_\_\_ NPDES Permit

## **Part C: Credit Estimation Calculation**

### **Step 1:** Calculate the estimated impervious area of property

- Obtain a “user fee” from the tax duplicate billing statement.
- Divide the user fee by \$13.00/ERU to determine ERUs.
- Multiply ERUs by 4,000 sq.ft. to determine the approximate amount of impervious area on site.
- **(NOTE: Because bills are based on a rounded ERU, the actual impervious area on the property may be different)**

### **Step 2:** Determine area available for credit on-site.

- Determine the percentage of property area benefited by the management practice and BMP.
- Multiply fraction of property benefited by total impervious area to obtain modified Impervious Area for amended charge.

## **Part D: Instructions for Completing the Credits Application Form**

### **Section A - Applicant**

- Name, address, e-mail and phone number of the person or persons responsible for storm water charge.
- Parcel Tax ID from Tax Duplicate statement.

### **Section B - Site Information**

- Location where credit is to be applied.
- Impervious area and ERU's for entire property are based on applicant's estimate (See Part C-Credit Estimation Calculation above).

### **Section C – Engineer/Surveyor of Record (if required by credit)**

- Name, address, e-mail and phone number of the Certifying Engineer.
- Certification includes engineers stamp.

### **Section D - Data Submittal Check List**

- List material being submitted in un-shaded areas.

### **Section E - Credit Summary**

- Applicant lists credits being applied for in un-shaded boxes.

### **Submit Data, Application and Fee to:**

Butler County Storm Water District  
1921 Fairgrove Avenue (Ohio 4)  
Hamilton, Ohio 45011-1965  
Attention: Mr. Bob Lentz

**Application Fee:** Applications received prior to December 31, 2004 will not require an application fee.

## **Part E: Final Requirements to Obtain Credit**

Step 1: Construct the credit management facility in accordance with the approved plans, specifications, and design calculations and obtain an inspection of the credit management facility by the Butler County Storm Water District Engineer. Credit will become effective when the structure and/or credit requirements have been completed and operating properly as certified by the Butler County Storm Water District.

Step 2: Provide an easement, deed restriction, or land purchase agreement that restricts the use of the property for anything but the intended management facility. Submit copy of recording instrument (i.e. plat).

Step 3: Provide regular maintenance for the facility in accordance with the maintenance management plan.

Step 4: Submit an annual management and maintenance report on each facility. At the discretion of the Butler County Storm Water District Engineering staff, inspections may be performed in order to confirm the operation and maintenance of the applied management practice or compliance with the approved management plan.

## ***SECTION II: CREDITS REQUIREMENTS***

### **1. Post Construction Storm Water Quality Treatment**

The Post Construction Storm Water Quality Treatment credit is offered to properties that perform an activity or activities that would otherwise be required to be performed by District staff and/or reduce the burden on the overall storm water system. This should include “natural” storm water system structures that are properly maintained and are operating for the purposes of water quality and water quantity benefits, and to reduce the burden on the District maintained storm water system. However, the District was organized to comply with the NPDES Phase II Water Quality regulations only. Therefore, only Vegetative Stream Buffers, Grass Filter Strips, Infiltration Trenches and Water Quality Ponds will be considered.

### **2. Stream Restoration Credit**

The stream restoration credit is offered to properties that perform activities that would otherwise be required and/or performed by District staff. This should include “natural” storm water system structures that are properly maintained and are operating for the purposes of water quality benefits only, and to reduce the water quality burden on the District storm water system. However, the District was organized to comply with the NPDES Phase II Water Quality regulations only. Therefore, only Stream Channel Restoration credits will be considered on a case-by-case basis.

### **3. Other Credits**

#### **A. Individual Industrial National Pollutant Discharge Elimination System (NPDES):**

An individual Industrial NPDES credit is provided for properties that are classified as industrial and covered by an individual Industrial NPDES Storm Water Discharge Permit or properties classified as a Phase 1 or Phase 2 community and operating under an individual or general Municipal Separated Storm Sewer Systems Permit. However, this does not include properties that fall under the statewide general Construction Activity permit.

- This program is available to all non-residential properties only;
- Credits will be issued on a property-by-property basis;
- The total credit amount will not be more than 50% of the properties total charge, only under very specific circumstances will the 50% credit amount be waived;
  - § NPDES credits may be granted to properties receiving and operating under an individual industrial National Pollution Discharge Elimination System Permit for storm water or an individual or general Municipal Separated Storm Sewer System Permit issued by the United States Environmental Protection Agency or delegated state authority.

## **B. Education**

Education credits are provided to public and private schools (K through 12) for the purpose of providing water (storm water, flooding, water quality, and watershed management) type education programs to students. To obtain this credit public and private schools would teach a water curriculum in each grade level. Programs such as “*Project Wet*” developed by the *Ohio Water Education Program* are an example of a kindergarten through twelfth grade comprehensive water-related curriculum that would provide a basis for credit in the Butler County school system.

Storm water education credits of 30% of the storm water bill may be granted for approved programs providing public awareness and education on storm water issues as follows:

- This program is available to all schools as defined in the zoning code, public or private that offer a compulsory education curriculum for grades K through 12 or part thereof.
- Credits will be issued on a building complex by building complex basis.
- Where a site is jointly used by a school and another use (e.g., church) the storm water fee will be prorated based on usage and the credit will be issued to the school portion of the fee;
- Storm Water Educational Curriculum (e.g., Project WET and Project Aquatic WILD) integrated into standard curriculum for the students based on the curriculum participation levels and practices accepted by Project WET and/or Project Aquatic WILD;
- Storm Water Educational Activities (e.g., essay contest, poster contest) with direct participation from the students based on the curriculum participation levels and practices accepted by Project WET and/or Project Aquatic WILD;
- In Kind Services (e.g., web site development, brochure development, public service announcements, videos or other program related work) as approved by the Storm Water District Engineer;
- In order to receive educational credits, the school will need to submit an application including an education plan. The application will be due by October 1, of each year. The plan shall be reviewed and approved by the Storm Water District Engineer. Once approved, the credit shall be placed on the appropriate storm water bill.
- Upon completion of the educational plan or no later than October 1 of each year, the school shall submit an annual report indicating compliance with the approved plan and or proof of the credit activity. The annual report shall be broken down by the types of activities and indicate the number of participants. If the school did not substantially comply with the plan, the report will include an explanation of the failure and any needed corrective action. Other reporting requirements may be required as part of the plan approval and shall be included in the annual report;
- The Storm Water District Engineer will review the annual report. If upon review, the school did not substantially comply with the approved plan, the District may:
  - § Require additional activities as a corrective action;
  - § Reduce the education credit to a level comparable with the compliance;
  - § Refuse approval of any new education plan.

## **C. Adopt a Stream**

- In order to receive credit for participation in an approved Adopt-A-Stream Program, the non-residential property owner will need to submit an application including application fee, and a request for stream designation. Only streams designated by the Storm Water District Engineer shall be approved for adoption and cleanup work must be completed in accordance with a schedule approved by the Storm Water District Engineer.

- In order to receive credit for participation in a sanctioned cleanup program, the non-residential property owner will need to submit an application including application fee and tentative list of participants. Participants must register at the event and identify themselves as credit program participants. A single participant may be credited only to one storm water account.

#### **D. Brownfield Reuse**

The Brownfield Reuse Credit is given on a limited time frame of 5 years to a property from the time of purchase, upon certification of reuse from the EPA.

- This program is available to all non-single family properties or part thereof.
- Credits will be issued on a property-by-property basis.
- In no case will the total credit amount be more than the 50% of the total bill.
- Brownfield Reuse credits may be granted to properties receiving Brownfield Cleanup funds as designated by the State of Ohio.
- Brownfield Reuse credits may be granted to improve water quality from storm water discharges.
- The District or his designee shall inspect the property prior to approving the credit and periodically after the credit is issued to insure compliance with the approved cleanup plan.
- 30% credit may be given for a period of five years following activation of the project.

#### **7. Credits Rules and Requirements**

1. Adjustments for the above credits will be made only to non-residential properties with an ERU greater than five (5) units.
2. Credit applications will not be accepted from any property that has a delinquent property tax account.
3. Credits apply only to the non-residential property in which the activity applies. Credits may not be transferred to other properties.

### ***SECTION III: CREDIT CALCULATIONS EXAMPLES***

Two sample credit calculations are shown in this section. These examples are provided as a guide for the preparation of a credit calculation for your specific situation and property. For each example, a graphic, a listing of “given” conditions and the necessary steps to calculate the appropriate credits for your property are provided.

#### **Summary of Credit Calculation Process**

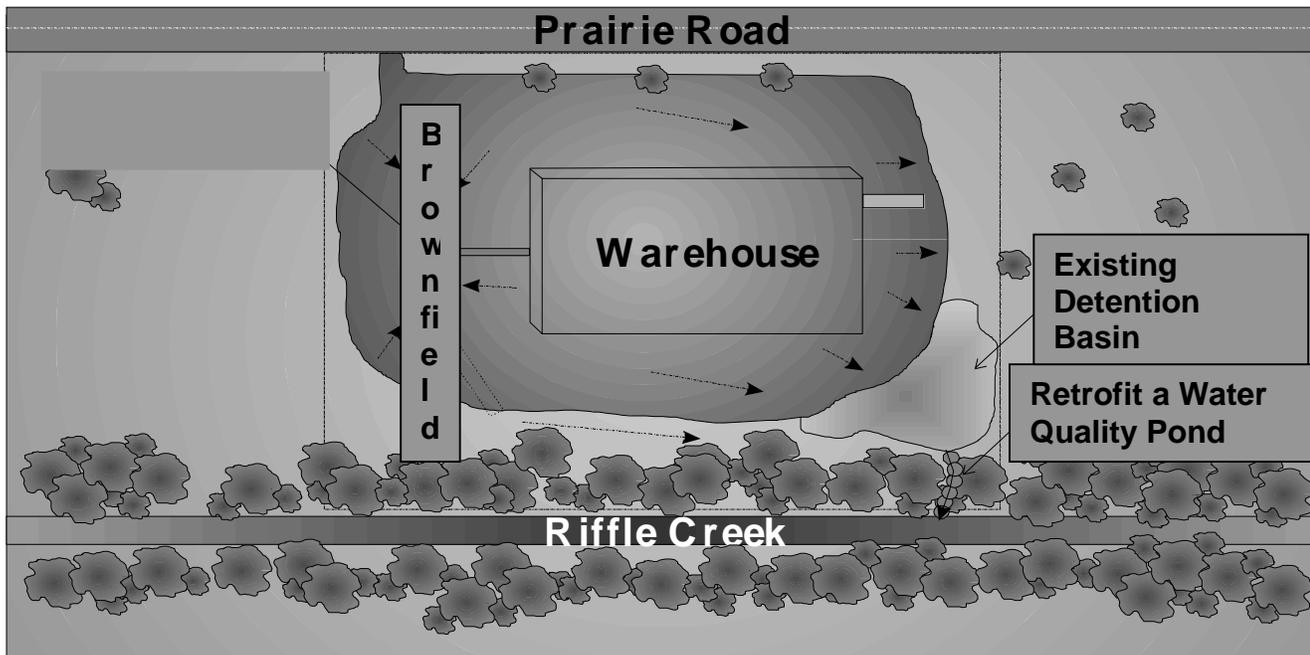
- Step 1. Calculate the estimated impervious area of property prior to credit award.
- Step 2. Determine amount of impervious area subject to credit.
- Step 3. Determine estimated credit and modified storm water service fee.

#### Abbreviations:

- ERU Equivalent Residential Unit,
- sf square feet,
- \* Multiplies by
- IA Impervious Area

### Example 1:

A developer has submitted preliminary plans to construct a warehouse on a 10-acre brownfield site. He has submitted an application for two credits including a Brownfield credit and a detention/retention water quality pond credit for his basin.



### **Given:**

- 10-acre site with 3 acres of impervious area (130,680 sq. ft. of impervious area)
- The detention/retention basin receives 100% of drainage from the impervious area
- Development site has brownfield designation
- 30% credit available for brownfield site for a duration of five years
- 50% credit available for the water quality pond
- The owner of this property is planning on retrofitting the existing dry detention basin by adding more pond volume, a wetpool, a bay, and aquatic benches. The outlet structure will also be modified to a multi stage structure.

Step 1: Calculate the estimated impervious area of property prior to credit award

$$3 \text{ acres} \times 43,560 \text{ (sq. ft. in acres)} = 130,680 \text{ sq. ft. of impervious area}$$

- Calculate the number of ERUs for the example property

$$130,680 \text{ sq. ft. of impervious area divided by } 4,000 \text{ (ERU)} = 32.67 \text{ ERUs rounded to } 33 \text{ ERUs}$$

- Calculate User Fee based on impervious area of property

$$33 \text{ ERUs} \times \$13.00 = \$429.00 \text{ per year}$$

Step 2: Determine the amount of impervious area subject to credit

Water Quality Pond

$$IA = 130,680 \text{ sq. ft.} * 100\% * 0.50 = 65,340 \text{ sq. ft.}$$

Brownfield

$$IA = 130,680 \text{ sq. ft.} * 100\% * 0.30 = 39,204 \text{ sq. ft.}$$

- Calculate Credits Percentage

Water Quality Pond

$$65,340 \text{ sq. ft.} / 4,000 = 16.34 \text{ ERU Credit rounded to a 16 ERU per year reduction}$$

Brownfield

$$39,204 \text{ sq. ft.} / 4,000 = 9.80 \text{ ERU Credit rounded to a 10 ERU per year reduction}$$

$$\text{Total Credit Reduction} - 16 \text{ ERU} + 10 \text{ ERU} = 26 \text{ ERU per year}$$

$$\text{Total \% Credit} = 26 \text{ ERU} / 33 \text{ ERU} = 79\% \text{ for first five years}$$

(All properties are capped at 50% maximum credit)

$$\text{Total \% Credit} = 50\% \text{ for first five years}$$

$$\text{Total \% Credit} - 16 \text{ ERU} / 33 \text{ ERU} = 48\% \text{ after five years}$$

Step 3: Determine estimated credit and modified storm water service fee

$$\text{Reduction (\$)} = \text{ERU} * \% \text{ Credit} * \$13.00 / \text{ERU} / \text{per year}$$

$$\text{Reduction (\$)} = 33 * 50\% * \$13.00 = / \text{ERU} / \text{per year}$$

$$\text{Reduction (\$)} = 33 * .5 = 16.50 \text{ or Annual Fee} * .50 - \$429.00 * .50 = \$214.50$$

$$\text{Estimated Storm Water Utility Bill} = \text{User Fee (\$)} - \text{Reduction (\$)} = \text{net charge}$$

$$\text{Estimated Storm Water Utility Bill} = \$429.00 - \$214.50 = \$214.50$$

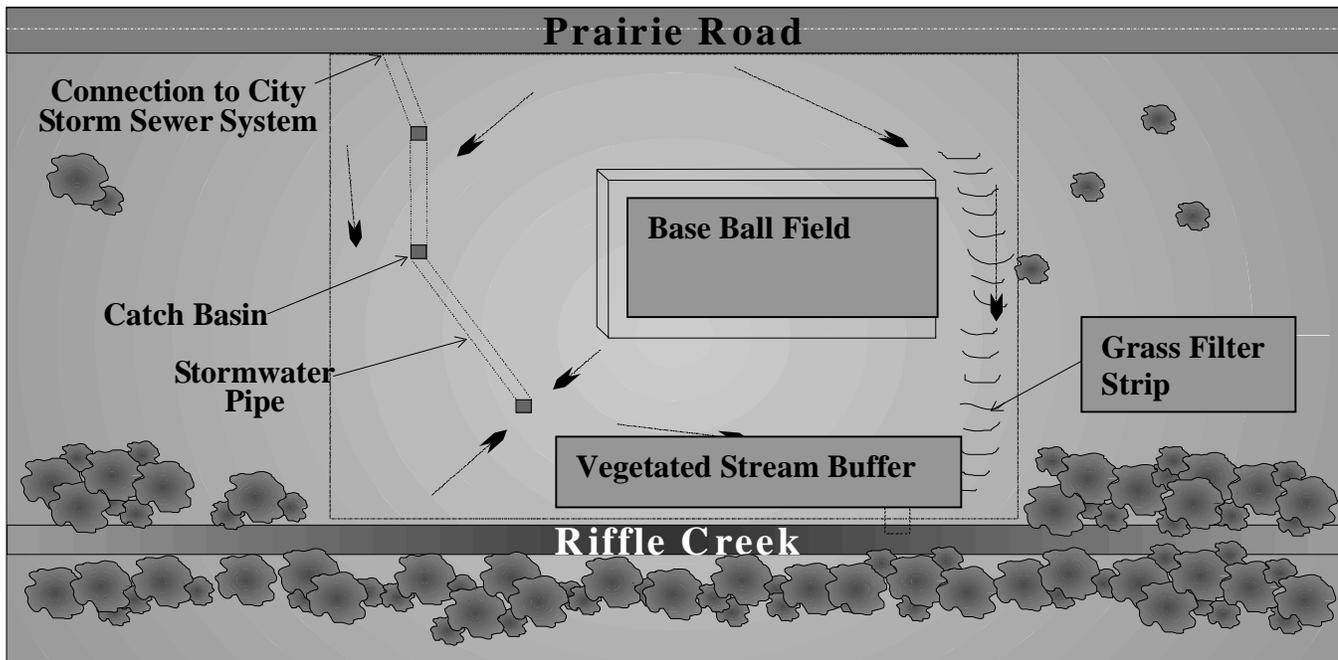
***Total Credit Available and Timing***

Time Period (yr.)	Brownfield Credit (\$)	Water Quality Pond Credit (\$)	Total Service Charge Reduction (\$)*	Estimated Storm Water Utility Bill (\$)
1	130.00	208.00	214.15	214.15
2	130.00	208.00	214.15	214.15
3	130.00	208.00	214.15	214.15
4	130.00	208.00	214.15	214.15
5	130.00	208.00	214.15	214.15
> 5	0	208.00	208.00	221.00

\* Maximum credit for any property is 50%

**Example 2:**

A baseball field has been constructed on a 10-acre site in the Butler County Storm Water District. The site meets current Butler County Storm Water District drainage requirements. It includes a parking lot, building and stream channels that are regularly maintained by the property owner. The impervious area associated with the parking lot and building is 3 acres in size. 100% of the impervious area drains to the District owned grass filter strips. The District has determined that this property is eligible for the vegetated stream buffer of 100 feet in length and grass filter strip of 90% Particulate Trapping Efficiency credits.



**Given:**

- 10-acre site with a Vegetated Stream Buffer of 100 feet in length of 10%.
- Grass Filter Strip of 90% Particulate Trapping Efficiency of 30%.

**Step 1:** Calculate estimated impervious area of property prior to credit award

User fee: \$429.00

ERU:  $\$429.00 / (\$13.00/\text{ERU}/\text{per}/\text{year}) = 33$  (see calculation from example 1 above)

Impervious Area (IA):

IA = ERU \* 4,000 sq. ft. = 33 \* 4,000 sq. ft. = 132,000 sq. ft.

Step 2: Determine the amount of impervious area subject to credit.

- Vegetated Stream Buffer of 100 feet in length of 10%.
- Grass Filter Strip of 90% Particulate Trapping Efficiency of 30%.

Step 3: Determine estimated credit and modified storm water service fee

Reduction (\$) = ERU \*% Credit\* \$13.00/ERU/per year

Reduction (\$) = 33 \* 10% \*\$13.00/ERU/per year = \$42.90 Vegetated Stream Buffer Credit

Reduction (\$) = 33 \* 30% \*\$13.00/ERU/per year = \$128.70 Grass Filter Strip Credit

- Reduction (\$) = 33 \* 40% \*\$13.00/ERU/per year = \$171.60

Estimated Storm Water Utility Bill = User Fee (\$) - Reduction (\$)

Estimated Storm Water Utility Bill = \$429.00 – \$171.60 = \$257.40

### **Example 3:**

The following is an example of a stream channel construction restoration within the District. The owner of a large warehouse facility of 180 acres is located along Riffle Creek (approximately 78% or 140 acres is impervious). The property has approximately 2,600 linear feet of stream bank is badly eroded and in need of stream restoration. It is estimated that the cost for the stream restoration is \$300,000. The property owner has secured a \$130,000 Ohio state grant to assist in the restoration. The District is providing stream restoration credit on a case-by-case basis and has indicated that this site may be eligible for up to 100% credit of the annual storm water assessment. For this example, the total project cost has been increased by a factor of 1.1. (The project cost increase factor will be at the discretion of the District stormwater engineer up to a possible 1.5 factor)

The District is also offering a maintenance credit of up to 30% after the break-even point of the project, which can last up to 20 years.

The following calculations have been provided to the property owner to determine his desire to participate in the stream restoration credit program.

### **Given:**

- The site is 180 acres in size
- 2,600 linear feet of stream bank
- Total project cost of \$300,000
- Grant of \$130,000 not included in the credit calculation
- Net project cost of \$300,000 - \$130,000 = \$170,000
- Total project cost increased by a factor of 1.1 = \$170,000 x 1.1 = \$187,000
- The site contains 140 acres of impervious area

Step 1: Calculate estimated impervious area of property prior to credit award

User fee: \$19,825.00

ERU:  $\$19,825.00 / (\$13.00/\text{ERU}/\text{per}/\text{year}) = 1,525 \text{ ERUs}$  (see calculation from example 1 above)

Impervious Area (IA):

$\text{IA} = \text{ERU} * 4,000 \text{ sq. ft.} = 1,525 * 4,000 \text{ sq. ft.} = 6,100,000 \text{ sq. ft.}$

Step 2: Determine estimated credit and modified storm water service fee

Reduction (\$) =  $\text{ERU} * \% \text{ Credit} * \$13.00/\text{ERU}/\text{per year}$

Reduction (\$) =  $1,525 * \$13.00/\text{ERU}/\text{per year} = \$19,825.00 \text{ annual bill}$

Reduction (%) =  $(\$187,000 / 20 \text{ years}) / \$19,825.00$   
=  $\$9,350 / \$19,825.00$   
= 47.16 %

• Reduction (\$) =  $\$19,825.00 * 47.16\% = \$10,174.19$

Est. Storm Water Utility Bill = Annual Fee (\$) – 47.16% Reduction for a fixed no longer than 20 years

Estimated Storm Water Utility Bill =  $\$19,825.00 * 47.16\% = \$9,349.87$

Recapture initial investment = annual credit for 20 years maximum.

Recapture initial investment =  $\$187,000 - (\$9,350.00 * 20 \text{ years}) = \$187,000 - \$187,000 = \$0^*$

\* Exact numbers will vary with rounding.

The credits will continue for this property up to 100% per year, as long as the property owner maintains and upgrades the stream bank to the District standards.

***SECTION IV: ANNUAL REPORTING REQUIREMENTS***

Annual reporting is required by all credit recipients to maintain the service fee reduction. A letter or report that describes the status, operation and maintenance of each management practice is to be submitted to the Butler County Storm Water District Engineering staff no later than two weeks (14 days) following the anniversary date of the original credit award. Failure to submit the annual report will result in cancellation of the credit. In addition, the District reserves the right to periodically inspect the credited management practice to assure city requirements are being followed. The annual report will generally require the following information:

- Tax Parcel ID Billing Account Number;
- Applicant statement certifying that the conditions under which the credit was originally issued have substantially remained the same;
- Applicant statement certifying that if structural management practices are receiving credit, they are being inspected and maintained within appropriate standards for the management practice;
- Summary of regular inspection results; and
- Summary of maintenance activities.

**Submit Annual Reports to:**

Butler County Storm Water District  
1921 Fairgrove Avenue (Ohio 4)  
Hamilton, Ohio 45011-1965  
Attention: Mr. Bob Lentz

**SECTION V: CREDIT APPLICATION FORMS**

**BUTLER COUNTY STORM WATER DISTRICT CREDIT APPLICATION FORM**

**SECTION A - APPLICANT**

Name: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Phone: (\_\_\_\_\_) \_\_\_\_\_ Fax: (\_\_\_\_\_) \_\_\_\_\_

Email: \_\_\_\_\_

Account Number: \_\_\_\_\_

**SECTION B - SITE INFORMATION**

Name: \_\_\_\_\_

Storm Water Tax Parcel ID Account No: \_\_\_\_\_

Location: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Impervious Area: \_\_\_\_\_ ERU's \_\_\_\_\_

**SECTION C - ENGINEER OF RECORD**

Name: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Phone: (\_\_\_\_\_) \_\_\_\_\_ Fax: (\_\_\_\_\_) \_\_\_\_\_

Email: \_\_\_\_\_

**CERTIFICATION:**

\_\_\_\_\_

Name

\_\_\_\_\_

Title

\_\_\_\_\_

Date

\_\_\_\_\_

Signature

**A. ENGINEER SEAL**

**SECTION D-  
DATA REQUIRED FOR SUBMISSION**

Please refer to Table 1 for data submission requirements. List the data you are submitting pertinent to your credits application.

Type of Data	<u>Submitted</u>	<u>Accepted</u>

**SECTION E - BUTLER COUNTY STORM WATER DISTRICT CREDIT SUMMARY**

This section includes a summary of credits to be considered for the Butler County’s Storm Water program.

**1. Post Construction Storm Water Quality Treatment**

- A. Vegetated Stream Buffer (for the first 75 feet) 0%
- Vegetated Stream Buffer (for the first 75 feet + additional 25 feet) 10%
- Vegetated Stream Buffer (for the first 75 feet + additional 50 feet) 15%
- Vegetated Stream Buffer (for the first 75 feet + additional 75 feet) 20%

**Note: See Stream Buffer definition below**

- B. Blue Line Channels (for the first 50 feet) 0%
- Blue Line Channels (for the first 50 feet + additional 25 feet) 10%
- Blue Line Channels (for the first 50 feet + additional 25 feet) 15%
- Blue Line Channels (for 1 for the first 50 feet + additional 25 feet) 20%

**Note: This credit applies to all blue line streams not covered in Stream Buffer above**

- C. Infiltration Trench 15%

- D. Water Quality Pond – Extended Detention 10%
- Water Quality Pond – Wet Pool & Reverse Flow Pipe 10%
- Water Quality Pond – Aquatic Benches & Wetlands 10%
- Water Quality Pond – Optimum Flow Length & Optimum Pool Depth 10%
- Water Quality Pond – Forebay & Shading 10%

**Note: Each credit above is individual and can be accumulated in any order**

- E. Grass Filter Strip – 75% Particulate Trapping Efficiency\* 15%
- Grass Filter Strip – 90% Particulate Trapping Efficiency\* 30%

**Note: Particulate Trapping Efficiency is dependent on the slope of the filter strip and the filter strip flow length from the table on page 22 of Rainwater and Land Development – January 1996 entitled Filter Strip Flow Length**

**2. Stream Restoration**

- A. Stream Restoration; up to 100%

**Note:** Credit Applicant must own the property that will receive the stream restoration credit. The project cost may be increased up to a factor of 1.5 at the stormwater District engineer’s discretion, at a predetermined cost per linear foot of stream. A maximum of 100% credit may be provided for up to 20 years in duration. All factors are on a case-by-case basis at the stormwater District engineer’s discretion.

**3. Other Credits**

- Individual Industrial NPDES Permit; 20%
- Brownfield Reuse (5 Year); 30%
- Education; 30%
- Adopt a Stream (5% per event); 30%

**4. Definitions**

**From the Flood Damage Prevention Regulations 5.2-11**

For the purposes of flood damage prevention, erosion control, and storm water management a stream buffer shall be maintained for all waterways identified as Special Flood Hazard Areas on the FEMA Firm Maps. A stream buffer for FEMA defined streams shall consist of undisturbed and/or natural areas of land extending along both sides of the stream. The stream buffer shall begin at the top of bank of the stream and shall be a minimum of 75’ on each side of the stream. The following structures, practices, and activities are permitted in the buffer, with specific design or maintenance features, subject to the review of the District:

- (1) Roads, bridges, foot-and bike paths, storm water management facilities, levees and utilities.
  - a. The right-of-way should be the minimum width needed to allow for maintenance access and installation.
  - b. The angle of the crossing shall be as close to perpendicular to the stream or buffer as possible in order to minimize clearing requirements.
  - c. When constructing, the area cleared will be limited to the area required for construction and adequate maintenance access.

The buffer shall be preserved or improved to include native vegetation such as sand bar willows, black or white willows, sycamore, silky dogwood, eastern or swamp cottonwood and native riparian grasses. Compaction of the soil shall be minimized to the greatest extent practical. Specific features may be recommended pursuant to the permit requirements in Section 4.1 of the Flood Damage Prevention Regulations.

The following practices and activities are restricted within the buffer, expect with approval from the District:

- (1) Clearing of existing vegetation.
- (2) Soil disturbance by grading, stripping, or other practices.
- (3) Filling or dumping.
- (4) Use, storage, or application of pesticides, except for spot spraying of noxious weeds or non-native species consistent with recommendations of Ohio DNR.
- (5) Storage or operation of motorized vehicles, expect for maintenance and emergency use approved by the District.

## **5. Miscellaneous**

- The maximum credit to be received will not exceed 50% of the storm water bill.
- Credits shall be awarded in 5% increments “up to” for stream restoration.
- The amount of credit awarded is at the discretion of the Storm Water District Engineer after a complete review of the credit application.
- Two or more properties that share BMP’s in a regional property situation, can join together and submit a group credit application so each property can be awarded credit for BMP/s

# Maintenance Agreement

## BUTLER COUNTY STORM WATER DISTRICT CREDIT MANAGEMENT PRACTICE MAINTENANCE AGREEMENT

### APPLICANT:

Name: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Phone: (\_\_\_\_\_) \_\_\_\_\_ Fax: (\_\_\_\_\_) \_\_\_\_\_

Email: \_\_\_\_\_

### PROJECT INFORMATION:

Name of project: \_\_\_\_\_

Location: \_\_\_\_\_

\_\_\_\_\_

Type of management practice: \_\_\_\_\_

### CERTIFICATION:

I hereby request consideration for a Storm Water Credit. I certify that I have authority to make such a request and authorization for this property. I further certify that the above information is true and correct to the best of my knowledge and belief. I agree to maintain the above stated Management Practice to the prescribed criteria according to the Butler County Storm Water District. I hereby release the Butler County Storm Water District from any maintenance responsibility whatsoever on the above identified management practice located on my property. I agree to provide corrected information should there be any change in the information provided herein.

\_\_\_\_\_  
Name Title

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

**BUTLER COUNTY STORM WATER DISTRICT CREDIT  
MANAGEMENT PRACTICE MAINTENANCE AGREEMENT  
ANNUAL REPORT  
DUE BY OCTOBER 31<sup>ST</sup> FOR THE FOLLOWING YEAR**

**APPLICANT:**

Name: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Phone: (\_\_\_\_\_) \_\_\_\_\_ Fax: (\_\_\_\_\_) \_\_\_\_\_

Email: \_\_\_\_\_

**PROJECT INFORMATION:**

Name of project: \_\_\_\_\_

Location: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Type of management practice: \_\_\_\_\_

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\_\_\_\_\_  
Name

\_\_\_\_\_  
Title

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date