



# Credits Manual

## Stormwater Utility Program



**Lorain County Stormwater Management District**  
226 Middle Ave, Fifth Floor  
Elyria, Ohio 44035



**Prepared by:**

**KEM / ERC**





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## **LCSWMD STORMWATER CREDIT PROGRAM**

### **I. Introduction**

The purpose of the Stormwater Credit Program and this application is to provide both the incentive and the vehicle to non-residential property owners and regional residential property owners to obtain credit for conducting good stewardship practices that benefit the operation and maintenance of the Lorain County Stormwater Management District (LCSWMD) stormwater system and improve water quality. The benefit to the property owner is a reduction in the stormwater service charge as a result of performing an activity or experiencing an actual cost to reduce flows or improve the quality of runoff from their properties that ultimately flow into the LCSWMD stormwater system. The concept is that the entire community benefits from these enhancements or improvements to the LCSWMD stormwater system through the resulting improvements in water quality and through reduced flooding.

The property owner can reduce the stormwater service charge being assessed to their respective property by performing activities that reduce stormwater volume and improve downstream stormwater quality. Credits are offered for performing the following activities:

- Reducing the impact of stormwater (either quantity or quality) for a particular property to an acceptable standard; and/or
- Reducing the stormwater cost of service to the LCSWMD by performing activities on accepted properties that otherwise would have to be performed by and be the responsibility of LCSWMD staff.

Once a credit is established and approved by LCSWMD staff, an annual maintenance update will need to be submitted by the property owner/customer as an on-going verification that the Best Management Practices (BMPs) are being maintained and are in good working order.

Additionally, a potential credit may be available as a one-time reduction for a single action on a case-by-case basis. However, this type of credit is extremely rare.

The following basic guidelines apply to all credits. All properties are assigned a minimum of one ERU (Equivalent Residential Unit) and no credits will be provided that lower the property ERU to less than one. The maximum credit available is 50% of the total property ERU.



**II. Available Credits**

**1. Water Quantity Credit**

The principle of water quantity credits is based on peak flow and/or volume reduction. Peak flow reduction is based on following the Critical Storm Method for detention basin design. Volume reduction is based on low impact development, reducing impervious area on a site, recycling rainwater and/or increasing infiltration.

- A. For Critical Storm Calculations the following applies per ODNR Ohio Stormwater Control Guidebook:
  - a. The peak rate of runoff from the critical storm and all more frequent storms occurring on the development area does not exceed the peak rate of runoff from a one year frequency storm (of 24 hours duration) occurring on the same area under predevelopment conditions.
  - b. Storms of less frequent occurrence than the critical storm, up to the one hundred year storm, have peak runoff rates no greater than the peak runoff rates from equivalent size storms under pre-development conditions.

The critical storm for a specific development area is determined as follows:

- a. Determine by appropriate hydrologic methods the total volume of runoff from a one year frequency, 24-hour storm occurring on the development area before and after development.
- b. From the volumes determined in (a), determine the percentage increase in volume of runoff due to development, and using this percentage, select the 24-hour critical storm from this table.

If the percentage of increase in volume of runoff is:

Equal to or Greater than	And less than	The Critical Storm for Peak Rate Control will be
-	10	1 year
10	20	2 year
20	50	5 year
50	100	10 year
100	250	25 year
250	500	50 year
500	-	100 year

To Calculate the Critical Storm:

$$\frac{\text{Post Developed 1 yr storm (ac-ft)} - \text{Pre-developed 1 yr storm (ac-ft)}}{\text{Pre-developed 1 yr storm (ac-ft)}} * 100$$



- B. Volume reductions can be achieved by:
  - a. reducing the amount of impervious area, through practices such as porous pavement
  - b. rainwater harvesting, through practices such as green roofs

Credits will be provided according to the following matrix:

Credit Type	Criteria	Credit
Peak Flow	Meeting Critical Storm Method Standard	Up to 10%
	Exceeding Design Storm by one level in Critical Storm Method*	Up to 30%
Volume	No increase in volume with development or redevelopment	Up to 10%
	25% decrease in volume of stormwater runoff from the 2-yr 24-hr design storm	Up to 30%
Maximum Credit Available (using combination of Peak Flow and Volume)		50%

\* Example - If the Critical Storm Method shows that a 10-yr design storm is required to meet standards, the applicant would design peak flow calculations based on the 25-yr design storm event.

## 2. Water Quality Credit

The water quality credits are offered to properties that perform an activity or activities that improve the quality of the stormwater entering the LCSWMD stormwater system. This can include “natural” as well as manmade water quality system structures that are properly maintained and are operating for the purpose of water quality enhancement and reduce the burden on the LCSWMD stormwater system.

The basis for this credit is Ohio EPA’s Construction General Permit in conjunction with the ODNR Rainwater and Land Development (RW & LD) Manual, current editions. All criteria for the planning, design, construction, operation, and maintenance for these facilities shall be done in accordance with said guidelines.

Currently all new development is required to treat the water quality volume (WQv) to ensure compliance with Ohio’s Water Quality Standards in OAC Chapter 3745-1. Per the Ohio EPA Construction General permit, the WQv shall be equivalent to the volume of runoff from a 0.75-inch rainfall and shall be determined according to the following equation:

$$WQv = C * P * A / 12$$

where:

- WQv = water quality volume in acre-feet
- C = runoff coefficient appropriate for storms less than 1 inch  
(Either use the following formula:  $C = 0.858i_3 - 0.78i_2 + 0.774i + 0.04$ , where  $i$  = fraction of post-construction impervious surface or use Table 1)
- P = 0.75 inch precipitation depth
- A = area draining into the BMP in acres



<b>Land Use</b>	<b>Runoff Coefficient</b>
Industrial & Commercial	0.8
High Density Residential (>8 dwellings/acre)	0.5
Medium Density Residential (4 to 8 dwellings/acre)	0.4
Low Density Residential (<4 dwellings/acre)	0.3
Open Space and Recreational Areas	0.2

(Ohio EPA Construction General Permit, Table 1)

Acceptable Water Quality BMP's include the following:

<b>Best Management Practice</b>	<b>Drain Time of WQv</b>
Infiltration Basin	24-48 Hours
Enhanced Water Quality Swale	24 Hours
Dry Extended Detention Basin	48 Hours
Wet Extended Detention Basin	24 Hours
Constructed Wetland (above permanent pool)	24 Hours
Sand & Other Media Filtration	40 Hours
Bioretention Cell	40 Hours
Pocket Wetland	24 Hours
Vegetated Filter Strip	24 Hours

(Ohio EPA Construction General Permit, Table 2)

Credits are also available for Riparian/Wetland Setbacks and Preservation of the 100-Year Special Flood Hazard Area (SFHA)

The Riparian Setback Credit is available to property owners to provide a Riparian Easement to the LCSWMD that establishes a protected riparian area from the edge of a stream, river or wetland. The credit may be granted as follows:

1. 1 ERU per 50 LF for a 25' wide Riparian Setback Easement
2. 2 ERUs per 50 LF for a 50' wide Riparian Setback Easement.
3. Up to a total of 20% credit is available.

Preservation credits may be granted to properties located all or in part in the Special Flood Hazard area regulated by the County. Preservation credits may be granted to preserve the flood hazard area resulting in the reduction of flood damage, improvements in water quality and reduction of water quantity as follows:

1. A 20% credit may be given for preserving 100% of the special flood hazard area (excluding the floodway) as pervious areas and without altering the existing ground elevations.
2. A credit of up to 10% may be given for preserving portions of the special flood hazard area (excluding the floodway) as buffer and without altering the existing ground elevations.
3. A credit of up to 20% for projects to replace special flood hazard area (excluding the floodway) by construction of flood storage basins or other Best Management Practices determined and approved by the City Engineer designed to meet specific site situations.



Credit Type	Criteria	Credit
Water Quality	Meeting WQv Requirements, P=.75 inches	Up to 10%
	Exceeding WQv Requirements, P=1.00 inches	Up to 30%
	Exceeding WQv Requirements, P=1.25 inches	Up to 50%
Riparian/Wetland Setbacks	Meeting setback recommendations in ODNR RW & LD Manual and providing a 25' or 50' setback.	Up to 20%
100 Yr SFHA	Repairing and/or Preserving the 100 Yr SFHA	Up to 20%
Maximum Credit Available		50%

LCSWMD Staff will consider alternative BMP's that meet the requirements on a case by case basis.

### 3. Industrial NPDES Permit Credit

Credit is available for Industrial property owners who are permitted under the current Ohio EPA Industrial General Permit. In order to obtain this credit the applicant must provide proof of compliance with the permit requirements including a Stormwater Pollution Prevention Plan and permit number. If water quality sampling is provided at outfalls, additional credits are available. The credit is 20 ERUs per outfall that is sampled and meets effluent limitations/benchmark guidelines.

Credit Type	Criteria	Credit
Industrial NPDES Permit	Meeting Ohio EPA's Industrial NPDES General Permit Requirements.	Up to 10%
Industrial NPDES Permit WQ Sampling	Outfall is sampled quarterly in accordance with Ohio EPA sampling guidelines and meets effluent limitations/benchmark guidelines	20 ERUs/Outfall Up to 20%
Maximum Credit Available		30%

### 4. Regional Residential Facilities Credit

The LCSWMD has approved several policies and procedures that do not allow a reduction to the individual residential stormwater charge. All properties receive a minimum of 1 ERU. This credit will apply only to regional residential facilities owned and operated by a homeowners association that are properly operating and properly maintained for subdivision (regional) detention/retention facilities. A single credit "payment" will be made to the homeowners association on an annual basis. It will be up to the homeowners association to allocate the credit payment back to the individual homeowners.

Credit Type	Criteria	Credit
Peak Flow	Meeting Critical Storm Method Standard	Up to 10%
	Exceeding Design Storm by one level in Critical Storm Method*	Up to 30%
Maximum Credit Available (using combination of Peak Flow and Volume)		30%

\* Example - If the Critical Storm Method shows that a 10-yr design storm is required to meet standards, the applicant would design peak flow calculations based on the 25-yr design storm event.



**5. Gravel Credit**

The LCSWMD considers all compacted gravel areas (drives, storage areas, etc.) as impervious areas, and includes these surfaces in calculating the stormwater fee. The LCSWMD acknowledges that gravel surfaces do allow for the infiltration of stormwater flow in a slightly different manner than imperious surfaces. Therefore an allowance for gravel surfaces on a case by case basis for these surfaces will be offered. It is up to the non-residential property owner of these properties to submit a credit application in order to receive credit for gravel surfaces. The credit shall only apply to the gravel area of the property and not all impervious area of the site. The gravel credit is subject to an onsite review to be performed by the LCSWMD to make the final determination prior to any credit approval.

<b>Credit Type</b>	<b>Criteria</b>	<b>Credit</b>
Gravel	Credit is for gravel areas of the site	Up to 33.33%
Maximum Credit Available		33.33%

**Gravel Credit Example:**

A non-residential property has a total impervious area of 135,000 SF. Included in that area is a 40,500 SF gravel parking area. The gravel parking area only is available to receive a Gravel Credit. Following is the calculation used to determine the Gravel Credit available.

Gravel Area = 40,500 SF  
Gravel Credit % = 33.33%

Gravel Credit Available = 40,500 SF x 33.33% = 13,499 SF

1 ERU = 6,000 SF

ERU Credit = 13,499 SF / 6,000 SF = 2.25 ERUs rounded up to 2 ERUs

So the credit available for the Gravel area corresponds to 2 ERUs.

1 ERU = \$3.00/month

Total Gravel Credit = 2 ERUs x \$3.00/month = \$6.00/month = \$72.00 per year

Therefore:

135,000 / 6,000 = 23 ERU's

23 Total ERUs less 2 ERUs for gravel credit = 21 ERU's

21 ERUs x \$3.00 /month = 63.00/month = \$756.00 revised annual bill





### 6. Education Credit

Education credits are provided to public and private schools (K through 12) for the purpose of providing stormwater (flooding, water quality, and watershed management) type education programs to students. To obtain this credit public and private schools are required to teach a stormwater curriculum including programs such as **“Project Wet”** and **“Globe”** which are an example of a spiral water-related curriculum that would provide a basis for credit.

Stormwater education credits of 50% of the Stormwater bill can be granted for approved programs providing public awareness and education on Stormwater issues as follows:

- This credit 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.
- Where a site is jointly used by a school and another use (e.g. church) the Stormwater fee will be prorated based on usage and the credit will be issued to the school portion of the fee only;
- Water Quality Educational Curriculum for public/private schools shall utilize a water curriculum in grade levels to be determined by the school. Appropriate guides to be used include **Project WET**, **GLOBE**, **Project WILD Aquatic**, and **Healthy Water, Healthy People**. Other water related materials may be utilized with prior approval of the LCSWMD.
- The programs noted above should be integrated into standard curriculum for at least 20% of the students in the school and at least all the students in one grade level ;
- Schools will conduct at least one school-wide awareness activity to be chosen from: water festival day, poster contest, or litter collection day. Additional opportunities include a stenciling project, brochure development, public service announcements, videos, or other projects as approved by LCSWMD staff.
- In order to receive educational credits, the school shall submit an application and provide supporting documentation. The application will be due by July 1st of the proceeding year the credit is to be given. The plan shall be reviewed and approved by the LCSWMD prior to implementation of the curriculum. Once approved, the credit shall be applied to the appropriate Stormwater bill.
- Upon completion of the educational curriculum and no later than the end of the school year, the school shall submit an annual report indicating compliance with the approved plan. The annual report shall be broken down by the activity type 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. Additional reporting requirements may be required as part of the plan approval and shall be included in the annual report.
- The LCSWMD will review the annual report. If upon review, the school did not substantially comply with the approved plan, the LCSWMD may:
  - Require additional activities as a corrective action;
  - Reduce the education credit to a level comparable to compliance;
  - Refuse approval of any new education plan.

#### Potential Stormwater Guides for the Education Credits

- Healthy Water, Healthy People - HWHP is an EPA approved curriculum that will provide the opportunity to create additional partnerships. The purpose of this publication is to raise educators' awareness and understanding of water quality topics and issues by demonstrating the relationship of water quality to personal, public, and environmental health. This publication gives teachers,



students, nonformal educators, water managers, treatment plant operators and citizens an opportunity to explore water quality topics in an interactive, easy-to-use, hands-on format.

- Project WET (Water Education for Teachers) - Project WET is a nonprofit water education program and publisher for educators and young people ages 5 to 18. The program facilitates and promotes awareness, appreciation, knowledge, and stewardship of water resources through the dissemination of classroom-ready teaching aids and the establishment of internationally sponsored Project WET programs.
- GLOBE (Global Learning and Observations to Benefit the Environment) - GLOBE is a worldwide hands-on, primary and secondary school-based education and science program. For students, GLOBE provides the opportunity to learn by taking scientifically valid measurements in the fields of atmosphere, hydrology, soils and land cover depending upon their local curricula. It also allows them to create maps and graphs on the free interactive web site to analyze data sets while collaborating with scientist and other GLOBE students around the world. You can visit the Globe website at <http://www.globe.gov/>
- Project WILD Aquatic - The *Project WILD Aquatic K-12 Curriculum and Activity Guide* emphasizes aquatic wildlife and aquatic ecosystems. It is organized in topic units and is based on the Project WILD conceptual framework. Because these activities are designed for integration into existing courses of study, instructors may use one or many Project WILD Aquatic activities or the entire set of activities may serve quite effectively as the basis for a course of study.

Credit Type	Criteria	Credit
Education	Provide formal stormwater education to 20% of students	Up to 50%
Maximum Credit Available		50%

**7. Watershed Stewardship Credit**

Non-residential property owners are eligible for a Stormwater credit if they participate in an eligible, LCSWMD approved local watershed stewardship event. To be considered as an eligible event, the event must be set up, organized, and executed through a partnership with citizens, local groups, LCSWMD, and/or federal agencies and should be identified as a BMP for compliance with the National Pollutant Discharge Elimination System (NPDES) Phase II Stormwater Permit. In general, eligible watershed stewardship activities will include community stream clean-ups via LCSWMD approved organizations. In order to receive credit for participation in an approved Program, the non-residential property owner will need to submit an application and a request for roadway/stream designation. In order to receive credit for participation in a sanctioned cleanup program, the non-residential property owner will need to submit an application 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 Stormwater property tax bill.

Additionally, businesses can provide assistance in engaging and educating the public about the LCSWMD’s stormwater program. Business owners that are willing to provide such services to the community will also be eligible for a credit. Eligible activities to receive the credit are at the discretion of the LCSWMD and identified as a BMP for compliance with the National Pollutant Discharge Elimination System (NPDES) Phase II Stormwater Permit. Other eligible programs outside of those listed below may be considered if they assist with compliance with the LCSWMD’s NPDES Phase II Stormwater Permit. In order to receive credit for training/education/outreach efforts, the property owner will need to submit an application including application fee, (if submitted after July 1, 2014) and a description of the activity.



## **LCSWMD Credits Manual**

<b>Credit Type</b>	<b>Criteria</b>	<b>Credit</b>
Adopt a Stream	LCSWMD Approved Program - Maintain 1 mile of Stream for 1-Yr. Value = 7 ERUs per mile of stream adopted and the stream must be cleaned 3 times per year.	Up to 30%
Adopt a Road	LCSWMD Approved Program - Maintain 1 mile of Road for 1-Yr. Value = 7 ERUs per mile of road adopted and the roadside must be cleaned 3 times per year.	Up to 30%
Storm Drain Stenciling	LCSWMD Approved - Based on number of participants Value = 1 ERU per 2 storm drains stenciled.	Up to 10%
Sponsor Educational Material Development	LCSWMD Approved - Poster, Brochure, Essay Contests; Public Service Announcement, Multimedia, etc. Value = 1 ERU per 100 residents reached.	Up to 10%
Litter Collection Day	LCSWMD Approved - Based on number of participants Value = 1 ERU per 5 people participating	Up to 10%
Other	Other LCSWMD Approved - Programs or Projects	Up to 30%
Maximum Credit Available		50%



### III. Credit Application Procedures

Submit the Application and Annual Reports via email preferred to the following:

Lorain County Stormwater District  
Lorain County Community Development Department  
226 Middle Avenue, 5th Floor  
Elyria, Ohio 44035  
Phone: (440) 328-2322  
dromancak@loraincounty.us  
<http://www.loraincounty.us.communitydevelopment.aspx>

The credits offered by the LCSWMD that appear in Section II of this document are based on the following baseline guidelines. It is recommended to review each of these documents when preparing your credits application.

1. Lorain County Engineer Specifications and Regulations for Subdivision Development, 2004
2. Lorain County Erosion & Sediment Control Rules, November 19, 2009
3. Lorain County Post Construction Rules (Comprehensive Storm Water Management), December 19, 2009;
4. Ohio EPA NPDES Construction General Permit, Current Edition
5. "Rain Water and Land Development", Ohio's Standards for Stormwater 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). You may also download for free at the following location:

<http://www.dnr.state.oh.us/tabid/9186/default.aspx#Manual>

The following protocol for property owners that are approved for and accepted into the Stormwater Credits Program applies:

1. The credit policy applies to both new and existing facilities
2. Credits will be applied in no less than 5% increments upon review and approval of LCSWMD staff.
3. Each property will be limited to a maximum of 50% total credit per property.
4. Credits will be applied to the percent of impervious area impacted. For example if a detention basin is eligible for credit the credit applies to the impervious area draining to the detention basin. So, if the total impervious area is 3 acres and 1.5 acres drain to the detention basin, the total credit available would be multiplied by a factor of 50%.
5. The Stormwater Credit Program will apply the credit annually. The credit application will need to be submitted by July 1<sup>st</sup> of the previous year to become effective for the following tax year. For example, the credit application will be due by July 1 of each year to become effective and appear on the following January and July tax bills.
6. For the credit to be continued through the next fiscal year, and subsequent fiscal years, maintenance documentation must be submitted by July 1<sup>st</sup> of each year. If documentation is not received by said due date, the County reserves the right to revoke the credit for the applicable year. Upon receipt of sufficient documentation, the County may reinstate the credit for the following year.
7. Provide a set of design drawings and calculations of the property water quality benefit, prepared and sealed by a Professional Engineer, registered in the State of Ohio.
8. Construct the management facility in accordance with the plans, specifications and calculations.
9. Provide regular maintenance for the facility in accordance with a suitable maintenance plan to be included with the application.



IV. Application Data Requirements:

Supporting data is required for each credit applied for. The type of supporting data varies depending on the type of credit requested as shown below.

**Supporting Data Requirements:**

The following is a list of potential supporting data that will be required with your credit application submittal. Please provide all pertinent information with your application. This will expedite the County's review process of your credit application. You are encouraged to provide additional information that will be appropriate for your property and assist in evaluating your property's credits.

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 stormwater structures
- Construction Drawings if not previously approved
- Plat Maps
- Professional Engineer Stamp, Professional 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

- |  |  |
|--|--|
| <input type="checkbox"/> Education Plan                | <input type="checkbox"/> Pollution Prevention Plan |
| <input type="checkbox"/> Adopt A Stream Application    | <input type="checkbox"/> Spill Prevention Control  |
| <input type="checkbox"/> Clean Up Participation        | <input type="checkbox"/> Counter Measures          |
| <input type="checkbox"/> Other (Please describe) _____ |  |

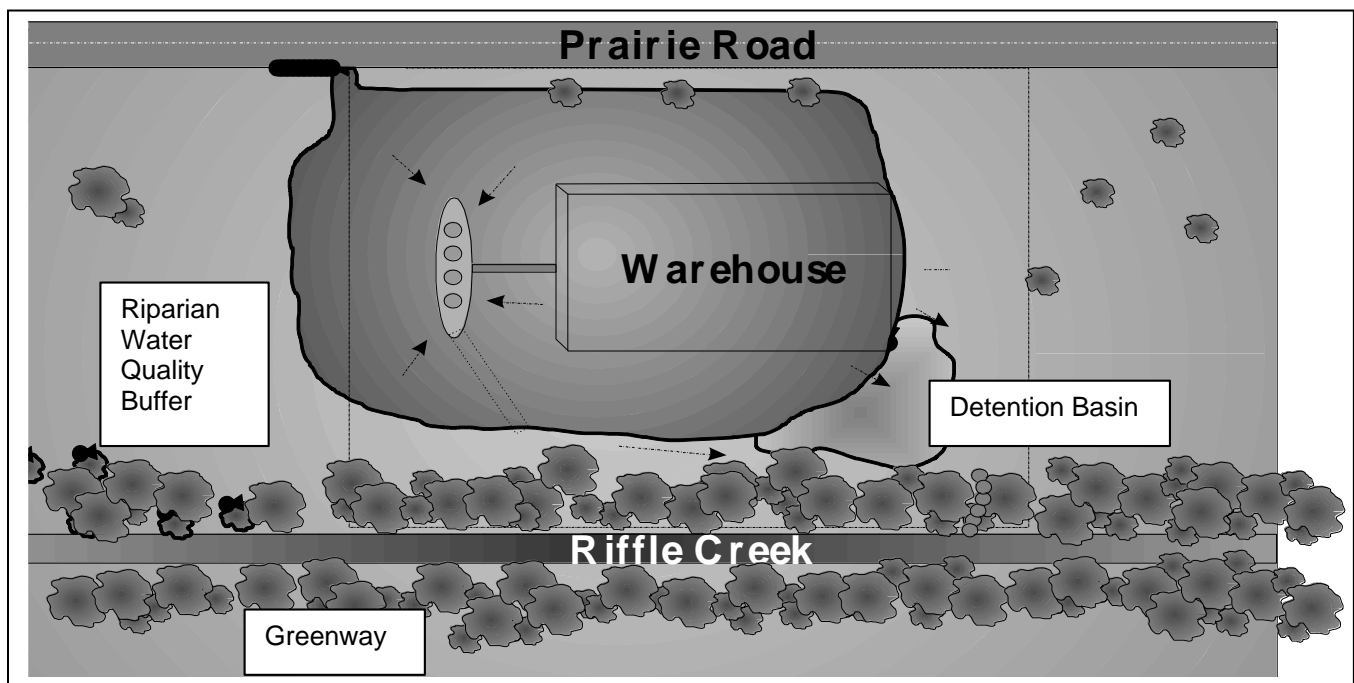
**V. Credit Example**

An example credit calculation is shown in this section that is intended to assist in providing a guide for the preparation of a credit calculation for your specific situation and property.

**Example:**

A developer has submitted preliminary plans to construct a warehouse on a vacant 10-acre site with no existing impervious area. The development includes a warehouse, parking lot, and driveway which equals 3 acres of impervious area. He has submitted an application for two credits including a credit for detention/retention and a credit for a riparian water quality buffer.

The Critical Storm Method requires that all new development detain the 25 year storm. The owner of the property wishes to exceed the minimum requirement and detain the 50 year storm. The owner also wishes to provide a greenway and walking trail along riffle creek which qualifies as a riparian water quality buffer credit



Given:

- 10 acre site with 3 acres of impervious area.
- The detention/retention basin receives 100% of drainage from the impervious area
- The riparian water quality buffer and greenway receives 100% of the drainage from the impervious area
- 30% credit available for the greenway which is the riparian water quality buffer
- 30% credit available for the detention basin
- The maximum credit allowed for any property is 50%
- 1 Equivalent Residential Unit or ERU is equal to 6,000 square feet of impervious area





- The rate is \$36.00 per ERU per year

**Step 1:** Calculate the estimated impervious area of property prior to awarding the credit.

- 3 acres x 43,560 (sq. ft. in acres) = 130,680 sq. ft. of impervious area
- Calculate the number of ERU's for the property

130,680 sq. ft. of impervious area divided by 6,000 (ERU) = 21.8 ERUs rounded to 22 ERUs

- Calculate User Fee based on impervious area of property

22 ERUs x \$36.00 = \$792.00 per year

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

Detention/Retention Basin

Measured Impervious Area or MIA = 130,680 sq. ft. \* 100% (impervious area) \* 30% (credit) = 39,204 sq. ft.

Greenway

MIA = 130,680 sq. ft. \* 100% \* 30% = 39,204 sq. ft.

**Step 3:** Determine the amount of ERU's available for credit reduction

Detention/Retention Basin

39,204 sq. ft. / 6,000 = 6.5 rounded to 7 ERU Credits

Greenway (riparian water quality buffer)

39,204 sq. ft. / 6 = 6.5 rounded to 7 ERU Credits

Total Credit Reduction = 7 ERU + 7 ERU = 14 ERU = 63.6% Reduction\*

\*50% Reduction is the maximum allowed.

**Step 4:** Determine estimated credit and modified Stormwater service fee

Reduction (\$) = ERU \* % Credit \* \$36.00/ERU per year

Reduction = \$396.00 = 22 \* 50% \* \$36.00

Estimated Stormwater District Bill = \$792.00 – \$396.00 (50% maximum credit) = \$396.00  
(reduced Stormwater bill after credit reduction per year)

Please Note: The stormwater charge appears on the Real Estate Tax Bill twice per year. Therefore, the credit reduction is calculated on a 6 months basis (first half mailed in January and second half mailed in July to coincide with each of the 6 month tax billing sequence).



**VI. Instructions for Completing the Application**

**Section A - Applicant**

- Refer to and complete the application contained at the end of this document.
- Name, address, e-mail and phone number of the person or persons responsible for stormwater charge.

It is encouraged to use the primary “baseline guidelines” for preparing your credits application, as referenced in Section III. These will be used as the primary guidelines and documentation to approve your application. In addition, documentation from other states that offer experimental BMP’s not listed in this application that are proven to work, will be considered, as long as the documentation is included as part of your credits application documentation. It will be the responsibility of the parcel owner to provide the documentation necessary to evaluate the "experimental BMP applied for, if applicable.

**Section B - Site Information**

- Location where credit is to be applied (if the BMP does not pertain to 100% of the parcel).
- Impervious area and ERU's for entire property are based on applicant's estimate (See Section IV - Credit Example above).
- Parcel Number located on the top right hand corner of the Real Estate Tax Bill statement.

**Section C - Certification**

Property Owner signature

**Section D - Credit Summary**

The LCSWMD staff will review and assign a stormwater credit in 5% increments with a maximum of 50% credit to any one property.

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

Submit this Application and Annual Reports via email preferred to the following:

Lorain County Stormwater District  
Lorain County Community Development Department  
226 Middle Avenue, 5th Floor  
Elyria, Ohio 44035  
Phone: (440) 328-2322  
dromancak@loraincounty.us





### **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 LCSWMD Staff. Credit will become effective when the structure and/or credit requirements have been completed and operating properly as certified by LCSWMD staff.
- 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 LCSWMD 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.

**Questions and Inquiries Regarding the Credits Application Call:** Don Romancak at (440) 328-2322.



**LCSWMD STORMWATER CREDIT APPLICATION FORM**  
**ONE TIME APPLICATION DUE BY JULY 1<sup>ST</sup> TO BECOME EFFECTIVE THE FOLLOWING YEAR**

**SECTION A - APPLICANT**

Applicant Name:	Contact Name:	
Applicant Address:		
City:	State:	Zip:
Phone:	Email:	

**SECTION B - SITE INFORMATION**

Real Estate Tax Bill Number:		
Property Address:		
City:	State:	Zip:
Credit(s) Applying for:		
Quantity:	%*	Industrial NPDES:
<input type="checkbox"/> Peak Flow - 10%	<input type="text"/>	<input type="checkbox"/> Industrial
<input type="checkbox"/> Peak Flow - 30%	<input type="text"/>	Gravel:
<input type="checkbox"/> Volume - 10%	<input type="text"/>	<input type="checkbox"/> Gravel
<input type="checkbox"/> Volume - 30%	<input type="text"/>	Education:
Quality:	%*	<input type="checkbox"/> Education - For Education Credits fill out the Education Application
<input type="checkbox"/> Quality - 10%	<input type="text"/>	
<input type="checkbox"/> Quality - 30%	<input type="text"/>	
<input type="checkbox"/> Quality - 50%	<input type="text"/>	
<input type="checkbox"/> Riparian/Wetland Setback	<input type="text"/>	
Regional Residential:	%*	Watershed Stewardship
<input type="checkbox"/> Peak Flow - 10%	<input type="text"/>	<input type="checkbox"/> Adopt a Stream
<input type="checkbox"/> Peak Flow - 30%	<input type="text"/>	<input type="checkbox"/> Adopt a Road
		<input type="checkbox"/> Storm Drain Stenciling
		<input type="checkbox"/> Sponsor Educational Material Development
		<input type="checkbox"/> Litter Collection Day
		<input type="checkbox"/> Other:
*% of total impervious area that reaches BMP		



**SECTION C - CERTIFICATION**

I hereby request consideration for a Stormwater 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 LCSWMD requirements. I hereby release the LCSWMD 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

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

Submit this Application and Annual Reports via email preferred to the following:

Lorain County Stormwater District  
Lorain County Community Development Department  
226 Middle Avenue, 5th Floor  
Elyria, Ohio 44035  
Phone: (440) 328-2322  
dromancak@loraincounty.us

**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 LCSWMD Staff. Credit will become effective when the structure and/or credit requirements have been completed and operating properly as certified by LCSWMD staff.
- 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 LCSWMD 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.

**Questions and Inquiries Regarding the Credits Application Call:** Don Romancak at (440) 328-2322.



**VII. 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 LCSWMD with the following Maintenance Agreement no later than July 1<sup>st</sup> of each year. Failure to submit the annual report will result in cancellation of the credit. In addition, the LCSWMD reserves the right to periodically inspect the credited management practice to assure LCSWMD requirements are being followed. The annual report will generally require the following information:

- Parcel Number located on the top right hand corner of the Real Estate Tax Bill statement
- 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 Maintenance Reports to:**

Submit this Application and Annual Reports via email preferred to the following:

Lorain County Stormwater District  
Lorain County Community Development Department  
226 Middle Avenue, 5th Floor  
Elyria, Ohio 44035  
Phone: (440) 328-2322  
dromancak@loraincounty.us

**Questions and Inquiries Regarding the Credits Application Call:** Don Romancak at (440) 328-2322.



LCSWMD STORMWATER ANNUAL REPORT & MAINTENANCE AGREEMENT

DUE BY JULY 1<sup>ST</sup> TO STAY IN EFFECT FOR THE FOLLOWING YEAR FOR ANNUAL MAINTENANCE REPORTING

SECTION A - APPLICANT

Applicant Name:	Contact Name:
Applicant Address:	
City:	State: Zip:
Phone:	Email:

SECTION B - SITE INFORMATION

Real Estate Tax Bill Number:
Property Address:
City: State: Zip:

**CERTIFICATION:**

I hereby certify that I have authority to make a request and authorization for this property for continued credit. I further certify that the BMP's for which I have received credit continue to be in operation and I have performed the prescribed inspections and maintenance according to LCSWMD requirements. I hereby release the LCSWMD 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



**LCSWMD STORMWATER EDUCATION CREDIT APPLICATION & ANNUAL REPORT**

**DUE BY JULY 1<sup>ST</sup> TO BECOME EFFECTIVE THE FOLLOWING YEAR**

School: \_\_\_\_\_

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

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

Phone #: \_\_\_\_\_ Email: \_\_\_\_\_

Program(s) Offered: \_\_\_\_\_

**A) Twenty percent of students will participate in water quality in-service program.**

Please list:

Teacher (s) Name	Grade/ Subject	# Students	Contact Number	Email

Attach additional information as needed.

\_\_\_\_\_  
School Administrator

\_\_\_\_\_  
Date

Approved:

\_\_\_\_\_  
LCSWMD

\_\_\_\_\_  
Date