

# Montgomery County Department of Environmental Protection WATER QUALITY PROTECTION CHARGE

## NON-RESIDENTIAL and MULTI-FAMILY RESIDENTIAL CREDIT APPLICATION

*Regulated by the Code of Montgomery County Regulations (COMCOR) 19.35.01.05*

**APPLICATION MUST INCLUDE A COPY OF PROPERTY TAX BILL AND  
SUPPORTING DOCUMENTATION INCLUDING PHOTOS OF THE PRACTICES FOR THE CREDIT**

EMAIL TO: [WQPC.Credits@montgomerycountymd.gov](mailto:WQPC.Credits@montgomerycountymd.gov), or

MAIL TO: WQPC Credits, Dept. of Environmental Protection, 255 Rockville Pike Suite 120, Rockville, MD 20850

I am the (check one):  Owner  Authorized Agent      Property Account No: \_\_\_\_\_  
(If Authorized Agent, please attach copy of document creating authorization)

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

Owner/Agent Address: \_\_\_\_\_ Premise Address: \_\_\_\_\_

Telephone No: (    ) - \_\_\_\_\_ Premise Phone: (    ) - \_\_\_\_\_

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

### Application Checklist

- |   |   |
|---|---|
| <ol style="list-style-type: none"> <li>1. Complete the application.</li> <li>2. Provide photos of stormwater treatment [include a photo of the entire property showing the location(s) of the treatment]</li> </ol> | <p><input type="checkbox"/> Option 1 – Provide ESD<sub>v</sub> Computations.</p> <p><input type="checkbox"/> Option 2 – Provide WQ<sub>v</sub>/CP<sub>v</sub> Computations.</p> <p><input type="checkbox"/> Option 3 – Use Facility Credit Percent based on Year Installed. 50% reduction for no ESD<sub>v</sub> or WQ<sub>v</sub>/CP<sub>v</sub> computations.</p> <p><input type="checkbox"/> Request the DEP to research record plans and computations on the property at a 50% reduction in this 3-year credit cycle.</p> |
|---|---|

### On-Site/Off-Site Treatment Information\*

\*This information should be located in computations for Options 1 or 2, and must be provided for Option 3, unless research is requested.

**Total Impervious Area of the Site:** \_\_\_\_\_ (square feet)

Stormwater Management System (Facility Type– see list in Attachments)	Year of Installation (yyyy)	Facility Size	Facility Size Units (gallons, square feet)	Impervious Area (sf) Treated by Facility	
				On-Site	Off-Site
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
<b>Total</b>					

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**List of Attachments:**

Applicants can provide supporting documentation as attachments, including engineering drawings, photographs, aerial images, computations of ESD control volumes (ESDv) or Water Quality Volume (WQv) / Channel Protection Volume (CPv), etc. If ESDv or WQv/CPv computations are not provided for facilities, then a 50 percent reduction factor is applied to credit calculation.

Computations are typically located in the following documents:

- Tables, narratives, and calculations on construction drawings,
- Drainage area maps or exhibits, or
- Stormwater management reports.
- Please contact WQPC Credits ([WQPC.Credits@montgomerycountymd.gov](mailto:WQPC.Credits@montgomerycountymd.gov)) with questions regarding computations.

List and Description of Attachments:

1.
2.
3.
4.
5.
6.
7.
8.
9.
10.

**Certifications**

By signing this form, you certify that (1) you have read and understand the WQPC Credit Program Requirements; (2) the information provided on this form is complete and factual; (3) the stormwater management system(s) on your property have been maintained and are in proper working order; and (4) you grant the County permission to conduct site inspections of the stormwater facilities listed on this form.

**Signature:** \_\_\_\_\_ **Print Name:** \_\_\_\_\_

**Title:** \_\_\_\_\_ **Date:** \_\_\_\_\_

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**Eligibility:**

- Stormwater Management Systems must be owned by the applicant parcel owner, and maintained by the applicant parcel owner in accordance with the maintenance requirements of DEP.
- Credits may be given for treatment of both on-site and off-site impervious area, provided the impervious area treated does not exceed the impervious area on the site where the stormwater management facility is located.

**Account Information (all information is required):**

- Account ID as it appears on the property tax bill (8 digit number)
- Check if this is a “new” or a “renewal” application.
- **Important:** County regulations require property owners to renew the WQPC credit every three (3) years. To receive credit, the application form must be submitted to DEP no later than October 31 of the year before payment of Charge is due. For example, in order to receive a credit for the Charge due September 30, 2014, application must be submitted to DEP no later than October 31, 2013.
- Owner Name as it appears on your property tax bill.
- Site Address, City, State, and Zip Code of the physical location of the property with an on-site Stormwater Management System.
- Mailing Address, City, State, and Zip Code if different than site address. This is needed to send correspondence regarding credit application.
- Telephone Number to contact property owner regarding credit application and coordination of site visit.
- E-mail address to provide to contact property owner regarding credit application (include renewal reminder) and coordination of site visit.

**Treatment Information (all information is required for systems for which credit is requested):**

List each Stormwater Management System (see list of eligible systems provided at the end of application form) and provide the following:

- **Total Impervious Area (square).** This includes buildings, parking lots, walkways, driveways, sheds. Section 19-21 of the County Code defines Impervious Area as “[a]ny surface that prevents or significantly impedes the infiltration of water into the underlying soil, including any structure, building, patio, sidewalk, compacted gravel, pavement, asphalt, concrete, stone, brick, tile, swimming pool, or artificial turf.”
- **Year of Installation** (required for determining Facility Credit Percentage).
- **Facility Size and Units** (required by DEP to evaluate facility and treatment of impervious area). For example, dry pond size may be listed as number of square feet.
- **Impervious Area Treated** by each Stormwater Management System, including both on-site impervious area and off-site impervious area, if any (required for calculating the credit).
- Include **photograph(s)** of Stormwater Management System (required by DEP to evaluate facility and treatment of impervious area).

**Attachments:**

Applicants are encouraged to provide supporting documentation as attachments, including engineering drawings, etc. in order to receive as much credit as possible. Photographs are required and should include features such as buildings and location(s) of the treatment. Attachments should indicated Last Name and Account ID.

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**Definitions:**

On-site parcels: The property which contains a Stormwater Management System.

Off-site parcels: Other properties in the same drainage area. Off-site parcels can receive partial or full treatment from the on-site parcel’s Stormwater Management System.

**Calculation of the WQPC Credit:**

The WQPC Credit is calculated based on the amount of impervious area treated by each Stormwater Management System.

$$\text{WQPC Credit} = \frac{\text{Impervious Area Treated}}{\text{Total Impervious Area}} \times \text{Facility Credit Percentage} \times \text{WQPC Charge}$$

**Maximum Credit:**

If the Stormwater Management System only partially treats the property, then the maximum credit the property can receive is 50 percent.

If the Stormwater Management System fully treats the property using Environmental Site Design (ESD) facilities, the maximum credit the property can receive is 60 percent.

**Performing the Calculation:**

There are three options for how the applicant can calculate the credit. Example credit calculations are provided in subsequent pages.

- **Option 1.** The applicant provides detailed computations demonstrating that the ESD volume is captured for some or all impervious area on the property. If computations are provided demonstrating that the entire ESD volume is captured with approved ESD practices, then the maximum credit amount is 60 percent. If the ESD volume is only partially provided, the maximum credit the property can receive is 50 percent.
- **Option 2.** The applicant provides detailed computations demonstrating and the Water Quality Volume (WQ<sub>v</sub>) and/or Channel Protection Volume (CP<sub>v</sub>) is captured for some or all impervious area on the property. If computations are provided demonstrating that the entire WQ<sub>v</sub> and CP<sub>v</sub> is captured, then the maximum credit amount is 50 percent. Individually, providing WQ<sub>v</sub> is eligible for up to 25 percent credit, and providing CP<sub>v</sub> is eligible for up to 25 percent credit.
- **Option 3.** The applicant submits an application with impervious area treated and year installed, then a 50 percent reduction factor is applied to credit calculation.

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**Option 1 Example – Property Provides Supporting Documentation Demonstrating Capture of ESD Volume.**

Property X has 24,060 square feet of impervious area. The calculated WQPC Charge is \$884 (before credits) based on \$88.40 per ERU, where 1 ERU = 2,406 square feet:

$$\text{WQPC Charge} = \frac{24,060}{2,406} \times \$88.40 = \$884$$

If Property X has several rain gardens, and demonstrated with supporting ESD computations that they treat 10,000 square feet of impervious area (either on site or offsite), then the WQPC Credit would be \$184. This is a 21 percent savings and the WQPC Charge (after credits) is \$700. The maximum credit percentage is 50% because not all the impervious area on the property was treated:

$$\text{WQPC Credit} = \frac{10,000}{24,060} \times 50\% \times \$884 = \$184$$

If the detailed ESD computations show that all impervious area on Property X is treated with rain gardens (or a net of 24,060 is treated both on-site and off-site), then the WQPC Credit would be \$530, which is a 60 percent savings and the WQPC Charge (after credits) is \$354:

$$\text{WQPC Credit} = \frac{24,060}{24,060} \times 60\% \times \$884 = \$530$$

**Option 2 Example – Property Provides Supporting Documentation Demonstrating Capture of WQv Volume, CPv Volume, or Both.**

Property X has 24,060 square feet of impervious area. The calculated WQPC Charge is \$884 (before credits) based on \$88.40 per ERU, where 1 ERU = 2,406 square feet:

$$\text{WQPC Charge} = \frac{24,060}{2,406} \times \$88.40 = \$884$$

If Property X has several bioretention facilities, and supporting computations demonstrate that only WQv was provided to treat the entire impervious area, the maximum credit percentage is 25% because CPv was not provided. Similarly, if supporting computations demonstrate that only CPv was provided to treat the entire impervious area, the maximum credit percentage is 25% because WQv was not provided. In either case, the WQPC credit would be \$221, and the WQPC Charge (after credits) is \$663:

$$\text{WQPC Credit} = \frac{24,060}{24,060} \times 25\% \times \$884 = \$221$$

If supporting computations demonstrate that both WQv and CPv were provided to treat the entire impervious area, the maximum credit percentage is 50%. The WQPC credit would be \$442, and the WQPC Charge (after credits) is \$442:

$$\text{WQPC Credit} = \frac{24,060}{24,060} \times 50\% \times \$884 = \$442$$

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**Option 3, Example 1 – Property Provides Documentation on Type, Year of Installation and Impervious Area Treated.**

Property X has 24,060 square feet of impervious area, the WQPC Charge is \$884 (before credits) based on \$88.40 per ERU, where 1 ERU = 2,406 square feet:

$$\text{WQPC Charge} = \frac{24,060}{2,406} \times \$88.40 = \$884$$

If Property X has a bioretention facility that was installed in 2008 (Facility Credit Percentage of 50%) and treats 10,000 square feet of impervious area, the WQPC Credit would be \$184, which is a 21 percent savings and the WQPC Charge (after credits) is \$700:

$$\text{WQPC Credit} = \frac{10,000}{24,060} \times 50\% \times \$884 = \$184$$

Since Property X did not provide detailed ESD computations, the amount of WQPC credit is reduced by 50 percent:

$$\text{WQPC Credit} = \frac{10,000}{24,060} \times 50\% \times \$884 = \$184 \times 50\% = \$92$$

**Option 3, Example 2 – Property Provides Documentation on Type, Year of Installation and Impervious Area Treated for More than One Stormwater Management System**

If the owner also had another Stormwater Management System (i.e., dry pond, which has a Facility Credit Percentage of 25%) that treats 5,000 square feet of impervious area from Property X and 10,000 square feet from off-site Property Y, then the WQPC Credit would be \$321, which is a 36 percent savings and the WQPC Charge (after credits) is \$563:

$$\text{WQPC Credit} = \left( \left( \frac{10,000}{24,060} \times 50\% \right) + \left( \frac{(5,000+10,000)}{24,060} \times 25\% \right) \right) \times \$884 = \$321$$

But since detailed computations were not provided, the WQPC credit is reduced by 50 percent:

$$\text{WQPC Credit} = \left( \left( \frac{10,000}{24,060} \times 50\% \right) + \left( \frac{(5,000+10,000)}{24,060} \times 25\% \right) \right) \times \$884 = \$321 \times 50\% = \$160.50$$

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#### List of Stormwater Management System:

		Facility Credit Percentage		
Facility	Facility Type*	Installed before 2003	Installed 2003 to 2007	Installed after 2007
Aquaswirl Baysaver Baysaver Flowsplitter Oil/Grit Separators Stormceptor Snout V2B1 Vortechincs	Pretreatment	0.00%	0.00%	0.00%
Aquafilter Bayfilter Infiltration Trench (U) Infiltrator Infiltration Basin Peat Sandfilter Stormchamber Separator Sandfilter Surface Sandfilter (U) Stormfilter	Water Quality	12.50%	25.00%	25.00%
Dry Pond Under Ground Storage	Water Quantity	0.00%	25.00%	25.00%
Dry Pond Extended Detention Wet Pond Wetland	Water Quantity	25.00%	25.00%	25.00%
Wet Pond Extended Detention Wetland Extended Detention	Water Quantity	50.00%	50.00%	50.00%
Sandfilter (Quantity Control) Infiltration (Quantity Control)	Water Quantity	25.00%	50.00%	50.00%
Dry Swale Bioretention Bioswale Infiltration Basin with Quantity Control Tree Box	Both	25.00%	25.00%	50.00%
Dry Pond with Sand Filter Base	Both	12.50%	50.00%	50.00%
Rain Garden Permeable Pavement Rainbarrel Cistern Micro – Bioretention Submerged gravel wetlands Landscape Infiltration Micro - Infiltration Swales Green Roofs Reinforced Turf Disconnection Sheet Flow Dry well	ESD	25.00%	25.00%	50.00%