



TO BE FILLED OUT BY NEW BRIGHTON	
Utility Account Number:	
Ramsey County PIN:	

Stormwater Utility Credit Application Form

Name: _____ Telephone Number: _____

Billing Address: _____

Property Address: _____

This application is strictly voluntary. Each property has its own characteristics that distinguishes it from other properties in the City. This application form is used in the event a property has onsite measures that either decrease the amount of runoff generated or increase the water quality of the runoff. Note that a City inspector will go on site to verify information submitted.

Please check below which credits you are applying for and submit any additional information required.

_____ **A. Single Family Residential Lot with Raingarden Credit (25%)**

The property would be eligible for a 25% credit if one or more gardens are 100 square feet in size and are owned and maintained by the applicant. The garden in question shall meet the following design criteria:

- A. The garden shall be at least 10 feet away from any building.
- B. The garden shall not be located in area of the yard with slopes greater than 12 percent.
- C. The garden shall be located in a depression between 4 to 10 inches deep or have a berm 4 to 10 inches high on the down slope side.
- D. The water in the garden shall infiltrate within 48 hours after a rain event.
- E. The garden shall not contain any weeds deemed a public nuisance in Section 17.
- F. The garden shall consist of native plants listed in one of the following documents:
 - 1. *BlueThumb Plant List* by Rice Creek Watershed Districts
 - 2. *The Minnesota Stormwater Manual Appendix E: Minnesota Plant List and Application* by Minnesota Pollution Control Agency
 - 3. *Restoring & Managing Native Wetland & Upland Vegetation* by Minnesota Board of Water and Soil Resources & Minnesota Department of Transportation
 - 4. *Seeding Manual* by Minnesota Department of Transportation

Required Raingarden Credit Submittals:

- 1. *Sign copy of this application form. Sign on page 3.*

_____ **B. Parcel runoff depth Credit** (at least 20% difference required)

Where the parcel unit runoff depth for a 2 inch rainfall differs from the standard land classification runoff depth by more than 20%, the stormwater utility fee will be adjusted accordingly.

Actual % Credit will be calculated with HydroCAD model using SCS method.

% Credit Estimate = (Standard runoff depth - Parcel runoff depth)/(Standard runoff depth)

Classification	Description	Standard Runoff Depth
3	Schools .	0.28
4	Townhouses and Mobile Home Parks	0.36
5	Churches	0.47
6	Apartments, Condominiums, Senior Housing, Nursing Homes	0.55
7	Commercial, Industrial, Warehouse	0.98

Curve Number = 60+(0.38 x % Impervious)

Depth of Runoff for 2 inch Rainfall

Curve Number	60	65	70	75	80	85	90	95	98
Runoff Depth	0.06	0.14	0.24	0.38	0.56	0.80	1.09	1.48	1.77

Required Parcel runoff depth Credit Submittals:

1. Calculate and/or provide total site area in square feet: _____
2. Calculate and/or provide total improved surface area: _____
3. Calculate and/or provide total infiltration basin, underground infiltration device or pervious pavement drainage area: _____
4. Calculate and/or provide Total percent improved: _____
5. Provide one accurately scaled and dimensioned site drawing showing size and location of all property lines, streets, buildings, and structures; parking lots, driveways, and other improved surfaces; location, size and grade of all drainage facilities. Drawing shall show site contours and elevations of sufficient detail to accurately determine flow directions and areas.
6. If the site uses infiltration provide detail drawing and specifications of infiltration basin media or underground infiltration device. Detail drawing shall provide aggregate gradations to estimate the infiltration rate and storage capacity of infiltration device. Provide soil boring or equivalent data showing hydrological group and water table level of native soils at infiltration device location.
7. Provide detail drawing of ponds volume, normal water level, outlet devices and emergency overflows.

Suggested Submittals:

1. Rice Creek Watershed District permit application
2. Hydrological models reports

C. Rate of Discharge Credit (up to 25%) The property would be eligible for a 10% credit if the runoff is below 5-year predevelopment rates and an additional 15 % credit if the runoff is below 100-year predevelopment rates. Actual % Credit will be calculated with HydroCAD model using rational method, tc=30 min., in cfs

Required Rate of Discharge Credit Submittals:

1. One accurately scaled and dimensioned site drawing showing size and location of all property lines, streets, buildings, and structures; parking lots, driveways, and other improved surfaces;

location, size and grade of all drainage facilities. Drawing shall show site contours and elevations of sufficient detail to accurately determine flow directions and areas.

2. Area of site draining to each control facility: _____.
3. Area of each improved surface draining to control facility: _____.
4. Type, size, elevation, grade of outlet facility. (Note: If more than one outlet, provide specific information on each, sum together for total site outflow.)
5. If the site uses infiltration provide detail drawing and specifications of infiltration basin media or underground infiltration device. Detail drawing shall provide aggregate gradations to estimate the infiltration rate and storage capacity of infiltration device. Provide soil boring or equivalent data showing hydrological group and water table level of native soils at infiltration device location.
6. Peak outflow rate for 5-year rainfall events ($t_c=30$ mins, Intensity= 2.85 in/hr) using rational method. : _____
7. Peak outflow rate for 100-year rainfall events ($t_c=30$ mins, Intensity= 4.80 in/hr) using rational method. : _____

Suggested Submittals:

3. Rice Creek Watershed District permit application
4. Hydrological models reports

D. Wet ponding credit (25 %) The property would be eligible for up to a 25 % credit for the percent of the property that drains into the wet pond described below.

- A. The volume of the permanent pool (“dead storage”) shall be greater than the runoff volume generated from a 2.5 inch rainfall event over the pond tributary area.
- B. The average depth of the permanent pool shall be at least three feet with a maximum depth of ten feet.
- C. The pond shall be wedge shaped, narrowest at the inlet and widest at the outlet. A minimum length to width ratio of 3:1 should be used.
- D. The pond shall have some type of facility to retain oils and floatable debris.
- E. The pond shall have an emergency overflow structure or stabilized spillway.
- F. The side slopes shall not exceed three feet horizontal to one foot.
- G. The pond shall have a minimum of a 15 foot vegetative buffer around all of its edge.

Required Wet Ponding Credit Submittals:

1. One accurately scaled and dimensioned site drawing showing size and location of all property lines, streets, buildings, and structures; parking lots, driveways, and other improved surfaces; location, size and grade of all drainage facilities. Drawing shall show site contours and elevations of sufficient detail to accurately determine flow directions and areas.
2. Provide detail drawing of ponds contours, normal water level, outlet devices, inlet devices and emergency overflows.
3. Volume of the permanent pool.
4. Volume generated from a 2.5 inch rainfall event over the pond tributary area.
5. Site drawing showing plant locations.

Certification: The above information is true and accurate.

Signature

Date