

Application for Credit of Storm Water Fee  
Grand Chute Sanitary District # 3

Tax Parcel #:

Parcel Address:

Owner Name:

Owner Address:

Contact Person:

Contact Address:

Contact Phone #:

Credit(s) Requested:

\_\_\_\_\_ Credit for Flow Rate Reduction

\_\_\_\_\_ Credit for Reducing Peak 12 Hour Discharge Volume

(Please attach appropriate form(s) based on credit(s) requested)

Information Attached:

\_\_\_\_\_ \$150.00 Application fee

\_\_\_\_\_ TR-55 Calculations

\_\_\_\_\_ Hydrograph of Inflow vs Time (with supporting documentation)

\_\_\_\_\_ Hydrograph of Outflow vs Time (with supporting documentation)

\_\_\_\_\_ Other: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_ Date Requested \_\_\_\_\_ Signature of Authorized Representative

Return completed application, with application fee and required information, to:  
Town Administrator  
Town of Grand Chute  
502 West Northland Avenue  
Grand Chute, WI 54911

**SUPPORTING TECHNICAL INFORMATION**

*(Note - All flows and storage requirements shall be calculated on the basis of a 4.25-inch, 24 hour, Type II storm event.)*

**Credit for Flow Rate Reduction**

An applicant for a stormwater user fee credit for reducing flow rate shall provide the following summary information and supporting documentation showing all calculations using the methodology set forth in TR-55 "Urban Hydrology for Small Watersheds"

Proposed Discharge Condition and Requested Credit (select one)

- \_\_\_\_\_ Discharge shall be the same as predevelopment (10% credit)
- \_\_\_\_\_ Discharge shall not exceed 0.40 cfs/acre (total 30% credit)
- \_\_\_\_\_ Discharge shall not exceed 0.30 cfs/acre (total 45% credit)
- \_\_\_\_\_ Discharge shall not exceed 0.15 cfs/acre (total 60% credit)

**SUMMARY INFORMATION**

A. Total Parcel Area - \_\_\_\_\_ Acres

B. Predevelopment Conditions

- 1. Description of predevelopment land use: \_\_\_\_\_
- 2. Predevelopment Composite Curve Number (CN) \_\_\_\_\_
- 3. Predevelopment Peak Runoff Rate \_\_\_\_\_ CFS

C. Post-development Conditions

- 1. Description of post-development land use: \_\_\_\_\_
  
- 2. Post-development Composite Curve Number (CN) \_\_\_\_\_
- 3. Post-development Peak Runoff Rate (without storage) \_\_\_\_\_ CFS

D. Design Post-development Peak Discharge Rate (with storage) \_\_\_\_\_ CFS  
(select one)

E. Required Storage Based on TR-55 or routing (Attach supporting calculations)

F. Peak Discharge Hydraulic Information:

- 1. Discharge Structure
  - a. Type (pipe, weir, channel. Etc.) \_\_\_\_\_
  - b. Dimensions \_\_\_\_\_
- 2. Elevation of invert of discharge structure: \_\_\_\_\_ ft
- 3. Peak elevation of water immediately upstream of discharge structure: \_\_\_\_\_ ft
- 4. Tailwater elevation immediately downstream of discharge structure: \_\_\_\_\_ ft
- 5. Computed peak discharge: \_\_\_\_\_ cfs

**For Town Use Only**

Reviewed By: \_\_\_\_\_ Date: \_\_\_\_\_

Flow Reduction Credit Recommended \_\_\_\_\_ %

Comments: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Credit for Reducing Peak 12-hour Discharge Volume**

An applicant for stormwater user fee credit for reducing the peak 12-hour discharge volume shall provide the following summary information and supporting documentation showing all calculations using the methodology set forth in TR-55 "Urban Hydrology for Small Watersheds" and storage routing.

**SUMMARY INFORMATION**

A. Predevelopment Conditions

- 1. Peak 12-hour runoff volume: \_\_\_\_\_ Cubic Feet
- 2. Attach runoff hydrograph

B. Post-development Conditions

- 1. Peak 12-hour runoff to storage \_\_\_\_\_ Cubic Feet  
(Attach influent 24 hour hydrograph)
- 2. Peak 12-hour discharge volume from storage: \_\_\_\_\_ Cubic Feet  
(Attach routed effluent 24 hour hydrograph)
- 3. Total 24-hour runoff volume to storage: \_\_\_\_\_ Cubic Feet
- 4. Total 24-hour discharge volume from storage: \_\_\_\_\_ Cubic Feet
- 5. Maximum Volume Stored \_\_\_\_\_ Cubic Feet
- 6. Volume remaining in storage at 24-hours \* \_\_\_\_\_ Cubic Feet

C. Requested Credit

= 25% \*(Item B.1. \_\_\_\_\_ - Item B.2. \_\_\_\_\_) / (Item B.1. \_\_\_\_\_ - Item A.1. \_\_\_\_\_)

= \_\_\_\_\_ %

\* If the volume remaining in storage at 24-hours (B.6.) exceeds 10% of the maximum volume stored (B.5.), the items set forth in B. and C. above must be recalculated for a second 4.25-inch, 24 hour, Type II storm using a starting storage volume equal to the value shown in Item B.5. (Recalculation for second storm – if required)

B2. Post-development Conditions

- 1. Peak 12-hour runoff to storage \_\_\_\_\_ Cubic Feet  
(Attach influent 24 hour hydrograph)
- 2. Peak 12-hour discharge volume from storage: \_\_\_\_\_ Cubic Feet  
(Attach routed effluent 24 hour hydrograph)

C2. Requested Credit

= 25% \*(Item B2.1. \_\_\_\_\_ - Item B2.2. \_\_\_\_\_) / (Item B2.1. \_\_\_\_\_ - Item A.1. \_\_\_\_\_)

= \_\_\_\_\_ %

<u>For Town Use Only</u>	
Reviewed By: _____	Date: _____
Volume Reduction Credit Recommended _____ %	
Comments: _____	
_____	
_____	
_____	

