Due by March 31, 2013

Notice: Pursuant to s. NR 216.07(8), Wis. Adm. Code, an owner or operator of a Municipal Separate Storm Sewer System (MS4) is required to submit an annual report to the Department of Natural Resources (DNR) by March 31 of each year to report on activities for the previous calendar year. This form is being provided by the DNR for the user's convenience. Personal information collected will be used for administrative purposes and may be provided to the extent required by Wisconsin's Open Records Law [ss. 19.31-19.39, Wis. Stats.]. This form is for reporting on activities undertaken in calendar year 2012.

Instructions: Complete each section of the form that follows. If additional space is needed to respond to a question, attach additional pages. Provide descriptions that explain the program actions taken to comply with the general permit. Complete and submit the annual report by March 31, 2013, to the appropriate address indicated on the last page of this form.

SECTION I. Municipal Information

Name of Municipality: City of Manitowoc

Facility ID No. (FIN): 31424

Mailing Address: 900 Quay Street

City: Manitowoc

State: WI

ZIP Code: 54220

COUNTY(S) IN WHICH MUNICIPALITY IS LOCATED

Manitowoc

MUNICIPALITY TYPE: (SELECT ONE)

○ County  ○ City  ○ Village  ○ Town  ○ Other (specify)

SECTION II. Municipal Contact Information

Name of Municipal Contact Person: Gregory J. Minikel, P.E.

Title: Interim Director of Public Infrastructure

Mailing Address: 900 Quay Street

City: Manitowoc

State: WI

ZIP Code: 54220

Email: gminikel@manitowoc.org

Phone Number (include area code): (920) 686-6910

Fax Number (include area code): (920) 686-6906

SECTION III. Certification

I hereby certify that I am an authorized representative of the municipality covered under MS4 General Permit No. WI-S050075-1 for which this annual report is being submitted and that the information contained in this document and all attachments were gathered and prepared under my direction or supervision. Based on my inquiry of the person or persons under my direction or supervision involved in the preparation of this document, to the best of my knowledge, the information is true, accurate, and complete. I further certify that the municipality's governing body or delegated representatives have reviewed or been apprised of the contents of this annual report. I understand that Wisconsin law provides severe penalties for submitting false information.

Authorized Representative Printed Name: Gregory J. Minikel, P.E.

Authorized Representative Title: Interim Director of Public Infrastructure/City Engineer

Signature of Authorized Representative: [Signature]

Date: 3/15/13

Email: gminikel@manitowoc.org

Phone Number (include area code): (920) 686-6910

Fax Number (include area code): (920) 686-6906

SECTION IV. General Information

a. Describe what efforts the municipality has undertaken to invite the municipal governing body, interest groups, and the general public to review and comment on the annual report.

The annual report was distributed to the Streets and Sanitation Committee at the March 18, 2013 meeting and the Common Council at the March 18, 2013 meeting.

The annual report was posted on the City's Storm Water Website at http://www.manitowoc.org/stormwater/annual_report on March 22, 2013.

A press release was submitted to the local newspaper, Herald Times Reporter, on March 22, 2013 indicating that the annual report is available for review by the public on the City's Storm Water Website and at the City Engineering Office. The public was asked to contact the City Engineering Department with any comments about the report.
b. Describe how elected and municipal officials and appropriate staff have been kept apprised of the municipal storm water discharge permit and its requirements.

As indicated under "Public Involvement and Participation" information related to the MS4 permit is brought to the Streets and Sanitation Committee, which is the committee responsible for overseeing the implementation of the permit requirements, on a regular basis as available.

c. Has the municipality prepared its own municipal-wide storm water management plan?  ○ Yes  ○ No

If yes, title and date of storm water management plan:

The City of Manitowoc has completed 3 different Storm Water Management Plans. All of the Storm Water Management Plans are available on the City of Manitowoc Storm Water Webpage: http://www.manitowoc.org/stormwater/plans.
- Storm Water Management Plan 2000 (Earth Tech)
- Storm Water Management Plan Update 2006 (Earth Tech)
- Storm Water Quality Plan 2007 (MSA)

d. Has the municipality entered into a written agreement with another municipality or a contract with another entity to perform one or more of the conditions of the general permit as provided under Section 2.10 of the general permit?  ○ Yes  ○ No

If yes, describe these cooperative efforts:

e. Does the municipality have an internet website?  ○ Yes  ○ No

If yes, provide web address:
http://www.manitowoc.org/

If the municipality has an internet website, is there current information about or links provided to the MS4 general permit and/or the municipality's storm water management program?  ○ Yes  ○ No

If yes, provide web address:
http://www.manitowoc.org/stormwater

SECTION V. Permit Conditions

a. Minimum Control Measures: For each of the permit conditions listed below, provide a description of the status of implementation of program elements, the status of meeting measurable goals, and compliance with permit schedule in section 3 of the MS4 general permit. Provide an evaluation of program compliance with the general permit, the appropriateness of identified best management practices, and progress towards achieving identified measurable goals. Be specific in describing the actions that have been taken during the reporting year to implement each permit condition and whether measurable goals have been met, including any data collected to document a measurable goal. Also, explain the reasons for any variations from the compliance schedule in the MS4 general permit.

- Public Education and Outreach
  See Attachment A.
SECTION V. Permit Conditions (continued)

• Public Involvement and Participation

The City of Manitowoc continues to educate and bring regular updates to the Streets and Sanitation Committee as this committee is responsible for making regular decisions regarding the implementation of the MS4 Permit. In 2012, the following storm water related information was discussed at the Streets and Sanitation Committee meetings indicated below:

02/13/2012 – Discussion regarding Urban Nonpoint Source & Storm Water Program Construction Grants
03/12/2012 – Discussion regarding MS4 Storm Water Discharge 2011 Annual Report
04/23/2012 – Discussion regarding street sweeping operations and issues
05/14/2012 – Discussion regarding post construction storm water management for new development
06/11/2012 – Discussion regarding Lakeside Blvd erosion control issues
07/23/2012 – Discussion regarding post construction storm water management for new development
08/27/2012 – Discussion regarding maintenance of private storm water ponds
09/10/2012 – Discussion regarding maintenance of private storm water ponds
10/08/2012 – Discussion regarding maintenance of private storm water ponds
11/12/2012 – Discussion regarding maintenance of private storm water ponds
12/10/2012 – Discussion regarding maintenance of private storm water ponds

In 2012, the following storm water related information was discussed at the Common Council meeting indicated below:

03/19/2012 – Discussion regarding MS4 Storm Water Discharge 2011 Annual Report

• Illicit Discharge Detection and Elimination

The City completed the on-going dry weather field screening at a total of ninety-seven (97) outfalls. The field screening was conducted in August and September. The following is a summary of the 2012 outfall screening results (**MEASUREMENT GOALS**):
- 97 outfalls were screened
- 71 outfalls were dry or did not have enough flow to sample
- 26 outfalls were active (wet with enough flow to sample)
  - 7 outfalls returned detectable phenol levels (all < 0.2 mg/l)
  - 1 outfall returned detectable chlorine levels (0.3 mg/l or less)
  - No outfalls exhibited noticeable or unusual turbidity, odor, surface sheen, staining, or vegetation.

See ATTACHMENT B for a summary of the 2012 outfall monitoring program.

The program that was submitted to the WDNR on 12/17/09 and will continue to be used as a guide for future outfall screening. For future Permit cycles, the City has established an initial approach of screening all of the MS4 outfalls (210 total) during the 5-year Permit cycle.

The City has an illicit discharge ordinance and an illicit discharge response procedures plan that was fully implemented in 2009. The City has been active in responding, reducing and eliminating illicit discharges. The City has documented 9 illicit discharge related activities in 2012 that were reported and/or responded to. The City also did a great deal of public education regarding grass clippings and yard waste in the street (likely illicit discharges). Residents were sent notices informing them that they should not be putting their grass clippings and yard debris in the street, over 18 of these notices were mailed out. There was also over 40 door hangers placed on citizens doors regarding storm water pollution; issued varied from yard waste in the street and grass clippings in the street to pet waste.

See ATTACHMENT C for a list of the 2012 Illicit Discharge Events.
SECTION V. Permit Conditions (continued)

• Construction Site Pollutant Control

Chapter 29 - Soil Erosion Control Ordinance can be found at http://www.manitowoc.org/DocumentView.aspx?DID=286

The City continues to actively regulate and enforce the requirements of Chapter 29. A total of 16 erosion control permits meeting the requirements of Chapter 29 were issued in 2012. Sites are to be inspected on a regular basis by the permittee and the City also conducts regular inspections of the sites.

• Post-Construction Storm Water Management


In 2012, 10 new construction sites required a storm water management permit per Chapter 28. Of those sites, 6 of them required a Storm Water Management Maintenance Facility Agreements with the City.

The City intends to inspect all private and city-owned Storm Water Management Facilities on a regular basis.

• Pollution Prevention

See Attachment F.

b. Storm Water Quality Management: Has the municipality completed a pollutant-loading analysis to assess compliance with the 20% TSS reduction developed urban area performance standard? ☐ Yes ☐ No

If yes, provide the following: Model used winslamm Version 9.2.2 Reduction (%) 23.1

If no, include a description of any actions the municipality has undertaken during 2012 to help achieve the 20% standard.

Has the municipality completed an evaluation of all municipal owned or operated structural flood control facilities to determine the feasibility of retrofitting to increase TSS removal? ☐ Yes ☐ No

If yes, describe:
The City owns one Storm Water Dry Detention Pond located in Dewey Street Park. In an effort to utilize this pond for water quality treatment, the City’s Water Quality Plan proposes to convert this Dry Detention Basin to a Wet Detention Basin.

c. Best Management Practices Maintenance: Does the municipality have a maintenance program for installed storm water best management practices? ☐ Yes ☐ No

If yes, describe the maintenance program and any maintenance activities that have occurred for best management practices in 2012. If available, attach any additional information on the maintenance program.
The City currently has a maintenance program for maintaining all of the storm water Best Management Practices (BMPs). The City currently has 9 storm water ponds (8 wet and 1 dry). There is mowing schedule for each of these ponds (ATTACHMENT E). This schedule varies depending on the type of landscaping at each pond. Two of these ponds are planted with native prairie and wetland plants. These two ponds require a different type of maintenance program since they are both just beginning to be established. The City has hired McMahon to assist the City in assuring that the prairies are properly established. The Department of Public Works also does a “clean-up” at each of these ponds once a year, usually in spring, to remove debris, garbage, etc. This “clean-up” varies depending on staff availability and time. The City also does at least one, possibility two, inspections each year to assure that there are no issues with any aspect of the pond for example erosion, trash, invasive species, structures, etc.

The City also has two biofilters located at the Senior Center. These biofilters are inspected twice a year.
SECTION V. Permit Conditions (continued)

d. Storm Sewer System Map: Describe any changes or updates to the storm sewer system map made in the reporting year.

Provide an updated map if any changes occurred during the reporting year.

The City submitted the storm sewer maps in October 2008. Only minor changes have been made to the maps in 2012; these changes include modifications to the storm sewer system (on reconstruction projects) and new storm water management BMPs.

SECTION VI. Fiscal Analysis

a. Provide a fiscal analysis that includes the annual expenditures for 2012, and the budget for 2012 and 2013. A table to document fiscal information is provided on page 8.

b. What financing/fiscal strategy has the municipality implemented to finance the requirements of the general permit?

☐ Storm water utility  ☒ General fund  ☒ Other Bonded Capital

c. Are adequate revenues being generated to implement your storm water management program to meet the permit requirements?  ○ Yes  ○ No

Please provide a brief summary of your financing/fiscal strategy and any additional information that will assist the Department in understanding how storm water management funds are being generated to implement and administer your storm water management program.

The City does not have a Storm Water Utility or other special revenue source. We currently use the City’s general fund to finance the majority of the stormwater program. General Obligation Bonds are used to finance necessary projects.

SECTION VII. Inspections and Enforcement Actions

Note: If an ordinance listed below has previously been submitted and has not been amended since that time, a copy does not need to be submitted again. If the ordinance was previously submitted, indicate such in the space provided.

a. As of the date of this annual report, has the municipality adopted a construction site pollutant control ordinance in accordance with subsection 2.4.1 of the general permit?  ○ Yes  ○ No

If yes, attach copy or provide web link to ordinance:


b. As of the date of this annual report, has the municipality adopted a post-construction storm water management ordinance in accordance with subsection 2.5.1 of the general permit?  ○ Yes  ○ No

If yes, attach copy or provide web link to ordinance:


c. As of the date of this annual report, has the municipality adopted an illicit discharge detection and elimination ordinance in accordance with subsection 2.3.1 of the general permit?  ○ Yes  ○ No

If yes, attach copy or provide web link to ordinance:


d. As of the date of this annual report, has the municipality adopted any other ordinances it has deemed necessary to implement a program under the general permit (e.g., pet waste ordinance, leaf management/yard waste ordinance, parking restrictions for street cleaning, etc.)?  ○ Yes  ○ No

If yes, attach copy or provide web link to ordinance:

SECTIOIN VII. Inspections and Enforcement Actions (continued)
d. Provide a summary of available information on the number and nature of inspections and enforcement actions conducted during the reporting period to ensure compliance with the ordinances described in a. to d. above.

The City continues to actively inspect and enforce Chapter 28, 29, and 30.

Chapter 29. In 2012, over 100 inspections were conducted for construction site erosion control. There was no enforcement action taken in 2012.

Chapter 28. Inspections are regularly conducted while new post-construction BMPs are being constructed. The City also conducts inspections on all City owned BMPs at least once a year. No enforcement action was taken in 2012 in relation to Ch. 28.

Chapter 30. Inspections pertaining to the Illicit Discharge Ordinance can be found in ATTACHMENT B. In 2012, a total of 9 illicit discharge related activities were documented and 18 notices were mailed out for grass clippings and yard debris in the street. There was no Notice of Violations issued in 2012.

SECTION VIII. Water Quality Concerns

a. Does any part of the MS4 discharge to an outstanding resource water (ORW) or exceptional resource water (ERW) listed under s. NR 102.10 or 102.11, Wis. Adm. Code? (A list of ORWs and ERWs may be found on the Department's Internet site at: http://dnr.wi.gov/topic/SurfaceWater/orwerw.html)    ○ Yes    ○ No   If yes, list:

b. Does any part of the MS4 discharge to an impaired waterbody listed in accordance with section 303(d)(1) of the federal Clean Water Act, 33 USC § 1313(d)(1)(C)? (A list of the most current Wisconsin impaired waterbodies may be found on the Department's Internet site at: http://dnr.wi.gov/water/impairedsearch.aspx?status=303d)    ○ Yes    ○ No   If yes, complete the following:

- Impaired waterbody to which the MS4 discharges:
  - Manitowoc River
    - Red Arrow Beach - Lake Michigan
    - YMCA Beach - Lake Michigan

- Description of actions municipality has taken to comply with section 1.5.2 of the MS4 general permit for discharges of pollutant(s) of concern to an impaired waterbody:
  - None at this time. The current impairment listed for the Manitowoc River is for PCBs. This pollutant is unrelated to the MS4 permit. However, any BMPs constructed in a drainage basin that discharges to any of the above impaired waters would help to reduce the pollutants entering that waterbody whether it's the pollutant of concern or not. There currently is no TMDL for the Manitowoc River.

c. Identify any known water quality improvements in the receiving water to which the MS4 discharges during the reporting period.
   - None known at this time.

d. Identify any known water quality degradation in the receiving water to which the MS4 discharges during the reporting period and what actions are being taken to improve the water quality in the receiving water.
   - None known at this time.

SECTION IX. Proposed Program Changes

Describe any proposed changes to the storm water management program being contemplated by the municipality for 2013 and the schedule for implementing those changes. Proposed program changes must be consistent with the requirements of the general permit.

None known at this time.
### Fiscal Analysis Table

Complete the fiscal analysis table provided below.

<table>
<thead>
<tr>
<th>Program Element</th>
<th>Annual Expenditure 2012</th>
<th>Budget 2012</th>
<th>Budget 2013</th>
<th>Source of Funds</th>
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<td>$ 25,000 General Fund</td>
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<td>$505,000 Capital (Dewey Drive Pond)</td>
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<td>Capital</td>
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<td>Storm Sewer System Map</td>
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<td>NOTE: Funding needed for this program can be taken from the &quot;other category&quot; if needed.</td>
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<td>WEST CENTRAL REGION COUNTIES</td>
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<td>Lincoln</td>
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<td>5301 Rib Mountain Rd.</td>
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<tr>
<td>Burnett</td>
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<td>Polk</td>
<td>Wausau, WI 54401</td>
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<tr>
<td>Douglas</td>
<td>Phone: (715) 359-4522</td>
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<tr>
<td>Price</td>
<td>Phone: (715) 359-4522</td>
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<tr>
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<tr>
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<tr>
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<td>Calumet</td>
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<tr>
<td>Fond du Lac</td>
<td>2984 Shawano Ave.</td>
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<tr>
<td>Green Lake</td>
<td>Green Bay, WI 54313</td>
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<tr>
<td>Kewaunee</td>
<td>Phone: (920) 662-5100</td>
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<td>Marinette</td>
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<td>Attn: Storm Water Program</td>
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<td>Ozaunkee</td>
<td>141 NW Barstow Street,</td>
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<tr>
<td>Racine</td>
<td>Room 180</td>
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<tr>
<td></td>
<td>Waukesha, WI 53188</td>
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<tr>
<td></td>
<td>(262) 574-2100</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Attachment A

• Public Education and Outreach

The City of Manitowoc continues to actively implement an effective public education and outreach program that meets the expectations of the City’s proposed program.

The City is an active member of the Northeast Wisconsin Storm Water Consortium (NEWSC). The City is aware that the NEWSC annual report has been submitted to the WDNR. Activities in the NEWSC report should be credited to the City of Manitowoc. City Storm Water Aide, Janet Sosnosky, served as NEWSC Chair during the 2012 year. During 2012, NEWSC provided its members with many educational documents for use in their own communities. NEWSC also participated in some expos/shows as a means to better reach out and educate the public. The City continues to use the public education materials published by NEWSC in local news articles, staff newsletters, and other means as deemed fit.

The City continues to maintain a partnership with The Wisconsin Maritime Museum and Woodland Dunes Nature Center to assist in implementing the City’s public education program. The Maritime Museum and Woodland Dunes Nature Center have the resources available to draw in citizen groups for education and storm water stenciling. In 2012, we stenciled with Maritime Museum summer school students. Approximately 356 inlets were stenciled in 2012. Thanks to this partnership and other groups, **MEASURABLE GOAL**: the City stenciled over 1,500 inlets in the past five years.

In 2012, the City continued its partnership with UW- Manitowoc for their “Connecting to the Lakeshore” lecture series. City staff, Janet Sosnosky, and Maritime Museum educator, Wendy Lutzke, presented at the Caring for the Water Beneath Your Feet. Approximately 20 people attended this presentation. The presentation was well received by all who attended. The City expanded its partnerships again in 2012 by partnering with Lakeshore Technical College (LTC). The City presented as part of LTC’s Power of Green Series in April.

As part of a River Planning Grant, in 2012 we were again able to offer a build your own rain barrel workshop. This workshop was attended by 28 people.

In 2012, the newly formed Friends of the Manitowoc River Group (FMRG) hosted multiple beach and river cleanup events. This group also put together multiple storm drain stenciling events.

The City also did a great deal of public education regarding grass clippings and yard waste in the street. Residents were sent notices informing them that they should not be putting their grass clippings in the street, **MEASURABLE GOAL**, over 18 of these notices were mailed out. There was also over 40 door hangers placed on citizens doors regarding storm water pollution, issues varied from yard waste and grass clippings in the street to improper pet waste disposal.

Following this page in Attachment A contains a list of the activities conducted in 2012. The activities include presentations, storm water website updates, press releases, new articles, etc.
Attachment F

• Pollution Prevention

The City completed their Pollution Prevention Program and individual Storm Water Pollution Prevention Plans for the Department of Public Works Service Building and Parks Maintenance Facility in October of 2008 (plans can be found at http://www.mantowoc.org/stormwater/pollution_prevention). The City implemented these programs in April 2009. Therefore, the following is a summary of the recommendations and measurable goals for these programs in 2012.

POLLUTION PREVENTION PROGRAM (AECOM, October 2008):

Section 1.0 - Municipal Storm Water Facilities Inspection and Maintenance Measureable Goals

1. Inspect all city owned wet detention facilities 2 times per year.
   - The City had a total of 8 wet detention ponds in 2012.
   - **MEASURABLE GOAL**: Each City-owned detention pond was inspected at least once in 2012 for a total of 8 inspections.

2. Implement catch basin inspection and cleaning program by 2009. Quantify number of catch basins cleaned and amount of debris removed.
   - **MEASURABLE GOAL**: 205 Catch Basins and Catch Basin Manholes were inspected and cleaned
   - **MEASURABLE GOAL**: 9.04 Tons of Material Removed from Catch Basins
   - NOTE: As part of new and reconstruction projects, the City is replacing existing inlets with catch basins.

3. Document the linear footage of ditches maintained and linear footage of storm sewers cleaned based on data collected.
   - The City maintains and cleans ditches and storm sewer on an as needed bases, mostly due to obstructions. The City also televises storm sewer on regular basis.
   - **MEASURABLE GOAL**: 108,375 feet of Ditches Maintained
   - **MEASURABLE GOAL**: 36,165 feet of Storm Sewer was Televised

Section 2.0 - Street Sweeping and Catch Basin Cleaning Measurable Goals

Street Sweeping:

1. Purchase two (2) high efficiency street sweepers
   - DONE: The City purchased two high-efficiency vacuum sweepers (Elgin Whirlwind) in late fall of 2008

2. Implement parking controls to be effective in April 2009
   - DONE: The City implemented a street sweeping parking ban effective April 21, 2009.
   - The City activitively enforced the street sweeping parking ban in 2012. **MEASURABLE GOAL**: A total of 3,985 parking tickets were issued.

3. Implement new street sweeper routes based on parking control plan
   - DONE: The City developed street sweeper districts in coordination with the implementation of the parking ban, five (5) districts on the north side and five (5) on the south side.

4. Continue current street sweeping frequency and document miles swept and amount of debris removed.
   - **MEASURABLE GOAL**: The entire City is swept on a weekly bases from April 1 to September 30, conditions permitting.
   - **MEASURABLE GOAL**: 13,064 miles of street was swept by the sweepers
   - **MEASURABLE GOAL**: 618.22 tons of material was removed by the sweepers

Catch Basin Cleaning:

1. Add future catch basins to mapping
   - **MEASURABLE GOAL**: 20 new catch basins have been added to our mapping.

2. Implement catch basin cleaning program - document number of catch basins cleaned and amount of material removed.
   - Repeated from above:
     - **MEASURABLE GOAL**: 205 Catch Basins and Catch Basin Manholes were inspected and cleaned
     - **MEASURABLE GOAL**: 9.04 tons of Material Removed from Catch Basins

   - NOTE: As part of new and reconstruction projects, the City is replacing existing inlets with catch basins.
Section 3.0 - Street Sweeping and Catch Basin Cleaning Disposal
1. Initiate disposal of street sweeping and catch basin cleanings in a licensed landfill in 2009 unless alternative methods are allowable.

**MEASUREABLE GOAL**: All material removed by the street sweepers in 2012 was hauled to Ridgeview Landfill in Whitelaw, WI

2. Document amount of material removed.

**MEASUREABLE GOAL**: 616.22 tons of street sweeping material was landfilled

Section 4.0 - Road Salt Application and Snow Disposal
1. Document the amount of salt and other de-icing agents used.

**MEASUREABLE GOAL**: 1,602.4 tons of salt, 135.63 tons of sand, and 1,912 gallons of liquidow/geo melt was used in 2012

Section 5.0 - Collection and Disposal of Leaves and Grass Clippings
1. Document the amount of leaves and other materials collected/recycled.

**MEASUREABLE GOAL**: 10,124 cubic yards.

Section 6.0 - Municipal Storm Water Pollution Prevention Planning

DPW SERVICE BUILDING STORM WATER POLLUTION PREVENTION PLAN (SWPPP) (AECOM, October 2008):

Existing and Recommended Control Measures:
1. Fuel Islands - The City retrofitted the two (2) existing inlets into catch basins in the fall of 2011. The City Fleet Manager has also been actively looking into and ordered spill kits for the fuel islands.
2. Outdoor Vehicle Washing Area – A nutrient separating device has been installed in 2012 to treat the outdoor washing area water.
3. Runoff Erosion – This was addressed with the installation of the nutrient separating device.
4. Outdoor Storage Piles – The outdoor aggregate storage piles have been separated. No runoff was noted from these piles in 2012.
5. Quarterly Inspections – For 2012 quarterly inspections, contact Operations Manager Kevin Glaeser at kglaeser@manitowoc.org or (920) 686-6514.

PARKS MAINTENANCE FACILITY STORM WATER POLLUTION PREVENTION PLAN (SWPPP) (AECOM, October 2008):

1. Fuel Island - The City Fleet Manager actively looked into and ordered spill kits for the fuel islands.
2. Outdoor Wash Area – Completed in 2012.
4. Quarterly Inspections - For 2012 quarterly inspections, contact Operations Manager Kevin Glaeser at kglaeser@manitowoc.org or (920) 686-6514.

Section 7.0 - Municipal Application of Lawn and Garden Fertilizers
Currently the City does not apply fertilizers to areas greater than five acres.

Section 8.0 - Education of Municipal Staff
1. Include an educational component for appropriate staff relative to their area of work.

City staff attended multiple erosion control and storm water management training workshops and conferences (FWWA Conference and other teleconferences). Many of the DPW laborers attended a salt workshop put on by NEWSC in 2012. These are listed with the public education activities on ATTACHMENT A. The City intends to provide some pollution prevention, illicit discharge and erosion control training to the Department of Public Works staff in 2013.

Section 9.0 - Measures to reduce storm water contamination within source water protection areas.

The City has not yet addressed the recommendations and measurable goals of this section. We will work toward addressing this section in 2013.