

**2013-2014 (Due by March 31, 2015)**

**For the Cities of Fitchburg, Madison, Middleton, Monona, Sun Prairie, and Verona; the Villages of DeForest, Maple Bluff, McFarland, Shorewood Hills, and Waunakee; the Towns of Blooming Grove, Burke, Madison, Middleton, Westport, and Windsor; Dane County; and the University of Wisconsin – Madison**

This document is for the purpose of biennial reporting on activities undertaken pursuant to WPDES Permit No. WI-S058416-3 for the above listed municipalities. An owner or operator of a municipal separate storm sewer system covered by a municipal storm water discharge permit under Chapter NR 216, Wis. Adm. Code, is required to submit a biennial report to the Department of Natural Resources by March 31 of every odd numbered year to report on activities for the previous two (2) calendar year. Information in the biennial report will be used by the Department of Natural Resources to assist with assessing permit compliance. Use of this specific form is optional. The Department of Natural Resources has created this form for the user's convenience and believes that the information requested on this form meets the reporting requirements for an owner or operator of a municipal separate storm sewer system covered by WPDES Permit No. WI-S058416-3. However, an owner or operator of a municipal separate storm sewer system that uses and completes this form will not automatically be deemed to be in compliance with other requirements of WPDES Permit No. WI-S058416-3.

**Complete and submit the biennial report by March 31, 2015, to the following address: Storm Water Management Specialist, Wisconsin Dept. of Natural Resources, South Central Region, 3911 Fish Hatchery Rd., Fitchburg, WI 53711**

I. MUNICIPAL INFORMATION	
Name of municipality Dane County	Contact person and title Jeremy Balousek, WRE Division Manager
Mailing Address 5201 Fen Oak Drive Room 208 Madison, WI 53718	Telephone no. 608.224.3730
	Fax no. 608.224.3745
	E-mail address balousek@countyofdane.com

Does the municipality have an internet website?  Yes  No

If yes, provide internet address:

[www.countyofdane.com](http://www.countyofdane.com), [www.lwr.dane.gov](http://www.lwr.dane.gov)

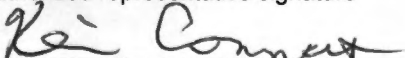
If the municipality has an internet website, is there current information posted about or links provided to the municipal storm water discharge permit and the municipality's storm water management program?  Yes  No

If yes, provide internet address:

<http://danewaters.com/resource/stormwater.aspx>

**CERTIFICATION**

*I certify 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 the biennial report.*

Authorized representative printed name Kevin Connors	Authorized representative title Director, Land and Water Resources Department
Authorized representative signature 	Date signed 8-18-15

**III. GENERAL INFORMATION**

a. Has the municipality made any changes under its legal authority that affects implementation of the requirements of the municipal storm water discharge permit (e.g., changes to ordinances)?  Yes  No  
 If yes, describe the changes in **Appendix A**.

b. List the people who attended quarterly meetings on behalf of the municipality and indicate the quarterly meetings in which the municipality was represented for the reporting year.

<u>Name</u>	<u>Title</u>	<u>Affiliation</u>
<u>Susan Jones</u>	<u>Watershed Mgt Coordinator</u>	<u>DC Lakes &amp; Watersheds</u>
<u>Marcia Hartwig</u>	<u>Public Information Officer</u>	<u>DC Lakes &amp; Watersheds</u>
<u>Jeremy Balousek</u>	<u>WRE Division Manager</u>	<u>DC Water Resource Engineering</u>
<u>Kevin Connors</u>	<u>Director</u>	<u>DC Land and Water Resources Department</u>

c. Quarterly meetings represented:  February 2013     May 2013     August 2013     November 2013  
 February 2014     May 2014     August 2014

d. Describe in **Appendix A** how the municipality internally coordinates implementation of the requirements of the municipal storm water discharge permit between the municipality's agencies, departments, and programs. Provide any documentation on how this was accomplished, such as meeting agendas, minutes, memos, etc.

e. Describe in **Appendix A** how elected and municipal officials and appropriate staff are kept apprised of the municipal storm water discharge permit. Provide any documentation on how this was accomplished, such as meeting agendas, minutes, memos, etc.

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

If yes, date of storm water management plan:

g. Describe in **Appendix A** how the requirements of the municipal storm water discharge permit are incorporated into master planning activities, neighborhood plans, development plans, or other comprehensive planning activities.

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**IV. Permit Conditions**

**a. Public Education and Outreach**

Dane County only:

1. Has any municipality failed to submit its financial contribution in accordance with the *Intergovernmental Agreement to Create and Fund a Position Responsible for Storm Water Management Education and Outreach*?  Yes  No

If yes, list municipalities:

2. Describe in **Appendix B** the Information and Education plan implementation and activities for the reporting year(s), including any materials produced and their distribution. Provide examples. Include an assessment of the effectiveness of reaching targeted audiences and delivery of intended messages.

All municipalities:

3. Describe in **Appendix B** how any materials produced by Dane County on behalf of the municipality have been used and/or distributed. Provide examples.

4. Describe in **Appendix B** any individual information and education activities undertaken for the reporting year, including any materials produced and their distribution. Provide examples. Include an assessment of the effectiveness of reaching targeted audiences and delivery of intended messages.

**b. Public Involvement and Participation**

1. The group permit requires that the information in this biennial report be an agenda item for discussion before the appropriate governing board(s) or council(s) contemporaneous with the submittal of the biennial report to the Department of Natural Resources. Accordingly, please provide the following information:

2. Name of board(s)/council(s):  
Dane County Board of Supervisors

3. Date(s) of meeting(s) to discuss the biennial report:  
June 6, 2013, July 17, 2014

4. Describe in **Appendix B** the opportunities and types of forums for public involvement and participation in permit related activities that occurred during the reporting year. Include an assessment of the effectiveness of efforts to involve the public and the level of participation.

**c. Illicit Discharge Detection and Elimination**

1. Describe in **Appendix B** the illicit discharge detection and elimination program developed to comply with the permit. Include information on the municipality's strategy to prevent, detect, and eliminate all types of illicit discharges; how priorities are established for field screening and the methodologies to be used for field screening; and procedures for responding to and rectifying illicit discharges to the MS4, including spills, improper disposal of waste or dumping. Also include an assessment of the effectiveness of detection and elimination of illicit discharges, prevention of improper disposal of waste and dumping, the handling of spills, and any enforcement efforts involving these activities.

2. Has the municipality performed any field screening for the reporting year?  Yes  No  
If yes, please provide documentation in **Appendix B** the results of the field screening.

3. Has the municipality investigated any instances of spills, improper disposal of waste or dumping?  Yes  No  
If yes, please provide documentation in **Appendix B** the results of the investigations.

4. Describe in **Appendix B** how the municipality facilitates public reporting of illicit discharges.

**d. Construction Site Pollution Control**

1. Does the municipality notify landowners who apply for local construction or land disturbing permits of the possible applicability of Subchapter III of Chapter NR 216, Wis. Adm. Code, *Construction Site Storm Water Discharge Permits*, to the landowners' construction projects?  Yes  No

If yes, please explain the process for providing this notification. If no, please explain why this notification is not provided.

Proof of notification to the DNR is a requirement of county erosion control and stormwater management permits. The county also coordinates review with local DNR staff.

2. Describe in **Appendix B** the procedures the municipality employs to incorporate timely consideration of potential water quality impacts from construction sites and that ensure implementation of the standards of ss. NR 151.11 and 151.23, Wis. Adm. Code, or equivalent local standards. Be specific of when in the review and approval process this is done, and how the municipality ensures compliance with the standards.

3. Describe in **Appendix B** the procedures the municipality employs for the inspection of construction sites and enforcing erosion control standards. Provided documentation of any enforcement actions taken that resulted in the issuance of a stop work order, citation, or summons for a construction site where one or more acre of land is disturbed. Include the name and address of the landowner, the site name and location, date(s) of violation(s), type of violation(s), and the status of resolution of the enforcement action.

4. List the name, title, address, telephone number, e-mail address, and duties of all persons designated with the responsibility to ensure implementation of the standards of ss. NR 151.11 and 151.23, Wis. Adm. Code, or equivalent local standards.

See Appendix B.

5. Include in **Appendix B** an assessment of the municipality's construction site pollution control program effectiveness in meeting the standards of ss. NR 151.11 and 151.23, Wis. Adm. Code, including enforcement efforts.

**e. Post-Construction Site Storm Water Management**

1. Describe in **Appendix B** the procedures the municipality employs to incorporate timely consideration of potential water quality impacts from construction sites and that ensure implementation of the standards of ss. NR 151.12 and 151.24, Wis. Adm. Code, or equivalent local standards. Be specific of when in the review and approval process this is done, and how the municipality ensures compliance with the standards.

2. Describe in **Appendix B** the procedures the municipality employs for inspecting the construction and installation of storm water best management practices and enforcement actions to ensure compliance with post-construction storm water management standards. Provided documentation of any enforcement actions taken that resulted in the issuance of a stop work order, citation, or summons for non-compliance with post-construction storm water management standards for sites where one or more acre of land is disturbed. Include the name and address of the landowner, the site name and location, date(s) of violation(s), type of violation(s), and the status of resolution of the enforcement action.



3. List the name, title, address, telephone number, e-mail address, and duties of all persons designated with the responsibility to ensure implementation of the standards of ss. NR 151.12 and 151.24, Wis. Adm. Code, or equivalent local standards, and the requirements of Subchapter III of Chapter NR 216, Wis. Adm. Code, *Construction Site Storm Water Discharge Permits*, where applicable.

See Appendix B.

4. Include in **Appendix B** an assessment of the municipality's post-construction site storm water management program effectiveness in meeting the standards of ss. NR 151.12 and 151.24, Wis. Adm. Code, including enforcement efforts.

**f. Municipal Pollution Prevention**

1. List in **Appendix B** an inventory of long-term storm water best management practices owned, operated, managed, or maintained by the municipality. Include storm water basins, infiltration practices, treatment structures, and other practices for long-term water quality treatment. For each best management practice, provide the name, location, type of practice, and any maintenance activities undertaken for the practice during the reporting year. Also in **Appendix B**, provide a description of the maintenance procedures used and schedules for each long-term storm water best management practice and the approximate amount of solids collected (tons or cubic yards) from any structural control receiving maintenance.

2. Does the municipality perform catch basin cleaning?  Yes  No  
If yes, approximate amount of solids collected (tons or cubic yards): 0.5 ton/year. Describe in **Appendix B** the procedures used and schedules for catch basin cleaning. If no, explain:

3. Does the municipality perform street sweeping?  Yes  No  
If yes, approximate number of street miles swept: NA; approximate amount of solids collected (tons or cubic yards): 375 tons/year. Describe in **Appendix B** the procedures used and schedules for street sweeping. If no street sweeping is performed, explain:

4. Describe in **Appendix B** the municipality's procedures for roadway snow removal and de-icing. Provide information on what practice and procedures the municipality has implemented in consideration of water quality impacts from snow removal and de-icing. Include an estimate of the annual amount of salt and/or sand used for roadway de-icing.

5. Does the municipality haul snow to off-site disposal locations?  Yes  No  
If yes, provide in **Appendix B** the location of all off-site snow disposal locations and describe what practices and procedures are used to protect water quality from snow and ice melt from the disposal site.

6. Does the municipality own or operate salt storage facilities?  Yes  No  
If yes, provide in **Appendix B** the locations of all salt storage facilities. Are all salt storage facilities managed in accordance with Chapter TRANS 277, Wis. Adm. Code?  Yes  No

7. Does the municipality provide curbside pickup service for leaves, yard waste, and grass clippings?  Yes  No  
If yes, approximate amount of material collected (tons or cubic yards): \_\_\_\_\_

8. Describe in **Appendix B** the municipality's procedures for the collection of leaves, yard waste, and grass clippings, and/or instruction to citizens for on-site management of these items. Provide the location of sites used by the municipality or citizens for the disposal of leaves, yard waste, and grass clippings.

9. Describe in **Appendix B** the municipality's policies and procedures for the use and application of lawn and garden fertilizers on municipally controlled properties. Include information on how these policies and procedures address pollution prevention efforts.

10. Describe in **Appendix B** any local program the municipality employs to regulate the private use of lawn and garden fertilizers.

11. Include in **Appendix B** an assessment of the effectiveness of the municipality's pollution prevention efforts through the municipal pollution prevention program.

**g. Developed Urban Area Standard**

1. Has the municipality completed a pollutant-loading analysis to assess compliance with the TSS reduction developed urban area performance standard?  Yes  No

Model used: WinSLAMM

Version: 9.2

Reduction %: 42

In **Appendix B**, please list or reference all practices that are currently in place that will be used to meet the TSS reduction percentage reported above. Additionally, please describe any maintenance activities that have occurred for these practices in 2013-2014.

2. 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 in **Appendix B**.

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**V. STORM SEWER SYSTEM MAP**

City of Madison only:

a. Has any municipality failed to submit its hard copy changes for the storm sewer system map by January 31, 2015?  
 Yes  No If yes, list municipalities:

b. Attach in **Appendix C** a copy of the updated storm sewer system map.

All municipalities:

c. Has the municipality updated and maintained documentation of all storm sewer outfalls from its MS4 to waters of the state?  
 Yes  No

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**VI. Water Quality Concerns**

a. Does any part of the MS4 discharge to 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, 22 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/topic/impairedwaters/>  Yes  No  
If yes, identify the following information in **Appendix D**:

- Impaired Waterbody to which the MS4 discharges.
- Description of actions municipality has taken to comply with section A(13) of the MS4 permit for discharges of pollutant(s) of concern to an impaired waterbody.

c. In **Appendix D**, identify any known water quality improvements in the receiving water to which the MS4 discharges during the reporting period.

d. In **Appendix 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:

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**VII. ADDITIONAL INFORMATION**

- a. Provide in **Appendix E** a description of any revisions or proposed revisions to any element of the municipality's storm water management program.
- b. Provide in **Appendix E** an updated listing and contact information for any new industrial facilities that may be regulated under Subchapter II of NR 216, Wis. Adm. Code, and that have commenced operation during the reporting period.
- c. Provide in **Appendix E** a summary of any other activities undertaken to comply with the conditions of this permit or other information you feel the Department of Natural Resources should be aware of.

d. Complete the fiscal analysis table provided below.

Program Element	2013 Annual Expenditure	2014 Annual Expenditure	2015 Budget	2016 Budget	Source of Funds
Public Education and Outreach	\$68,112	\$72,907	\$74,536	\$78,983	County
Public Involvement and Participation	\$35,170	\$38,355	\$40,506	\$43,226	County
Illicit Discharge Detection and Elimination	NA	NA	NA	NA	County
Construction Site Pollution Control	\$265,589	\$274,858	\$281,274	\$288,229	County
Post-Construction Site Storm Water Management	\$1,558,521	\$748,843	1,182,728	\$1,196,730	County
Municipal Pollution Prevention	\$8000	\$65,000	\$85,000	\$100,000	County

e. What is the overall estimated annual cost to the municipality for compliance with the permit in 2013? \$1,927,392      2014? \$1,134,964

f. Has the municipality implemented a storm water utility?  Yes     No, but considering     No, and not considering  
 If yes, provide a description of the storm water utility in **Appendix E** and any additional information that will assist the Department of Natural Resources in understanding how the utility works in your municipality.

**Appendix A**  
**General Information**

**III.a.**

**III.d.**

**III.e.**

**III.g.**



## **Appendix A**

### **III. General Information**

**NOTE: Dane County's permit obligations are linked to the Alliant Energy Center and Dane County Highway facilities. However, DNR has requested that county staff also report on county-wide stormwater and erosion control programs. Therefore this report reflects a mix of information about facilities covered in the permit and county pollution control activities outside of the central Dane County area of the Madison Area Municipal Stormwater Partnership (MAMSWaP).**

#### **III.a.**

Two ordinance amendments were carried out in 2013 to 2014 to strengthen the county's erosion control and stormwater management program. The following revisions were made:

#### **ORD. AMDT. 41, 12-13**

AMENDING CHAPTER 11 OF THE DANE COUNTY CODE OF ORDINANCES, TO ADJUST MITIGATION PERMIT FEES AND CORRECT INTERNAL REFERENCES

The County Board of Supervisors of the County of Dane does ordain as follows:

ARTICLE 1. Unless otherwise expressly stated herein, all references to section and chapter numbers are to those of the Dane County Code of Ordinances.

ARTICLE 2. Section 11.015(4)(b) is amended to read as follows:

(b) The building setback line from the ordinary highwater mark described in s. 11.03(2), and;

ARTICLE 3. Section 11.03(2)(b) is amended to read as follows:

(b) Exceptions with shoreland zoning permit. Subject to the approval of a shoreland zoning permit by the zoning administrator, the following structures may be located within the setback from an ordinary highwater mark described in s. 11.03(2)(a)1.

ARTICLE 4. Section 11.03(2)(c) is amended to read as follows:

(c) Exceptions with shoreland mitigation permit. Where the director has approved a shoreland mitigation permit under s. 11.05(4), the following may be located within the setback from an ordinary highwater mark described in s. 11.03(2)(a)1.

ARTICLE 5. Section 11.03(3)(c)2.b. is amended to read as follows:

b. If there is an existing principal building on only one side, the setback for the proposed building shall be the average of the required setback under s. 11.03(2)(a)1 and the existing building's setback.

ARTICLE 6. Section 11.04(3)(c) is created to read as follows:

(c) Soil conservation, stream and adjacent wetland protection and ecological restoration practices when construction is overseen by, and implemented according to site-specific plans and designs

approved by, the Natural Resources Conservation Service, U.S. Fish & Wildlife Service, Wisconsin Department of Natural Resources or the Dane County Land and Water Resources Department.

ARTICLE 7. Section 11.04(5)(a) is amended to read as follows:

(a) Soil conservation, shoreland, wetland and ecological restoration practices intended to restore native shoreland vegetation, other than those exempted under s. 11.04(3)(c).

ARTICLE 8. Section 11.11(2) is amended to read as follows:

(2) Construction on nonconforming structures with shoreland zoning permit. The following activities are allowed on nonconforming structures, subject to approval of a shoreland zoning permit. Shoreland mitigation permits are not required, unless impervious surface limits in s. 11.03(3) are exceeded.

ARTICLE 9. Section 11.11(2)(c) is amended to read as follows:

(c) Existing impervious surfaces. For existing impervious surfaces that were lawfully placed when constructed but that do not comply with the standards in s. 11.03(3), the property owner may do any of the following:

ARTICLE 10. Section 11.50(2) is amended to read as follows:

(2) For determination of a navigable water under s. 11.02(2), the fee shall be \$150.

ARTICLE 11. Section 11.50(6) is amended to read as follows:

(6) Shoreland Mitigation Permits. For shoreland mitigation permits for vegetative buffer restoration or other conservation activities under s.11.04(5), and where there is no expansion of impervious surfaces, or placement or expansion of structures, the fee shall be \$100 (one hundred dollars).

(b) For all other shoreland mitigation permits, the fee shall be \$400 (four hundred dollars), plus:

1. on sites where shoreland stormwater management is required under s. 11.12(1), an additional \$.010 (one cent) per square foot of impervious area, and \$.005 (one half-cent) per square foot of redeveloped impervious area.

2. on sites where shoreland vegetative buffer restoration is required under s. 11.12(2), an additional \$500 (five hundred dollars).

ARTICLE 12. Section 11.99(1)(b)1.f. is amended to read as follows:

f. Unless specifically exempted under s. 11.04(3), any removal of vegetation within the vegetative buffer zone described in s. 11.04, and;

ARTICLE 13. Section 11.99(1)(b)2. is amended to read as follows:

2. Navigable waters. Determination of navigable waters and ordinary highwater marks under s. 11.02(2).

ARTICLE 14. Section 11.99(3)(b)2. is amended to read as follows:

2. Shoreland Mitigation Permits. Within the shoreland district, the director shall require approved shoreland mitigation permits before any of the following activities occur. The zoning administrator shall not approve a shoreland zoning permit for any of the following activities unless the director has approved a shoreland mitigation permit.

- a. Creation of lots with reduced width or area as part of a planned unit development under s. 11.03(1)(c);
- b. Placement of structures within the setback area under s. 11.023(2)(c);
- c. Expansion of impervious surfaces above 15% of the lot under s. 11.03(3)(c);
- d. Vegetation management activities within 35 feet of the ordinary highwater mark under s. 11.04(5);
- e. Construction, replacement or expansion of a nonconforming structure under s. 11.11(3).

ARTICLE 15. Section 11.99(3)(b)3. is amended to read as follows:

3. Farm Conservation Plans. Review and approval of farm conservation plans under s. 11.04(3)(b).

ARTICLE 16. This amendment shall be effective March 20, 2013.

### **ORD. AMDT. 5, 13-14**

#### **AMENDING CHAPTERS 11 AND 14 OF THE DANE COUNTY CODE OF ORDINANCES, REGARDING STORMWATER MANAGEMENT, EROSION CONTROL AND MANURE STORAGE FACILITIES**

The County Board of Supervisors of the County of Dane does ordain as follows:

ARTICLE 1. Unless otherwise expressly stated herein, all references to section and chapter numbers are to those of the Dane County Code of Ordinances.

ARTICLE 2. Subsection 11.05(3)(b)2. is deleted, and subsections 11.05(3)(b)3. through 8. are renumbered to 11.05(3)(b)2. through 7. respectively, to read as follows:

(b) Land disturbing activity, any portion of which occurs between 300 feet and 1,000 feet from an ordinary highwater mark of a lake or pond, that meets the following criteria:

1. Includes 4,000 square feet or more of disturbed area;
2. Involves the excavation or filling, or a combination of both, in excess of 400 cubic yards of material;
3. Disturbs more than 100 lineal feet of road ditch, grassed waterway or other land area where surface drainage flows in a defined open channel, including the placement, repair or removal of any underground pipe, utility or other facility within the cross-section of the channel;
4. Involves the creation of any new public or private roads or access drives longer than 125 feet;
5. Development that requires a subdivision plat, as defined in chapter 75;
6. Land disturbing activity that disturbs less than 4,000 square feet of land, including the installation of access drives, that the director determines to have a high risk of soil erosion or water pollution, or that may significantly impact a lake, stream or wetland area. Examples of activities with a high risk of soil erosion or water pollution may include, but are not limited to, land disturbance on erodible soil or disturbance adjacent to lakes, rivers, streams or wetlands. All such determinations made by the director shall be in writing, unless waived by the applicant;
7. Constructing, dredging or commencing work on any artificial waterway, canal, ditch, lagoon, pond, lake or similar artificial waterway which is within 300 feet of the ordinary high-water

mark of a navigable body of water or where the purpose is connection with a navigable body of water.

ARTICLE 3. Section 11.05(5)(c) is amended to read as follows:

Plan or permit amendments. Any proposed modifications to approved plans, construction schedules or alterations to accepted sequencing of land disturbing site activities shall be approved by the director prior to implementation. A maximum of five permit revisions may be allowed.

ARTICLE 4. Subsection 11.05(5)(e) is created to read as follows:

(e) Timeframe and Expiration:

1. Erosion control plan timetables and construction schedules must begin within one year of the date the permit application is filed.
2. All permit applications shall expire upon the earlier of: a. one year from the date the applicant is notified of an application deficiency, if the applicant has not submitted additional information to adequately address the deficiency within the year, or b. three years from the date of application.
3. Erosion control permits shall expire:
  - a. Upon the stabilization date included in the approved plan and included in the analysis provided to meet the requirements of 14.50(3)2.
  - b. A maximum of three years after the permit is issued.

ARTICLE 5. Section 11.50(8) is amended and (9) is created to read as follows:

(8) Expired Permit Fee: When an applicant or landowner fails to stabilize the site according to the approved permit conditions, an after-the-fact permit is required, and applicable fees shall be doubled.

(9) Municipal street and road maintenance projects are exempt from fees required in this section.

ARTICLE 6. Subsection 14.13(1)(b) is amended to read as follows:

(b) The owner or operator may retain the facility for a longer period of time by demonstrating to the department that any of the following conditions are met:

1. The facility is designed, constructed and maintained in accordance with Secs. 14.07 and 14.08.
2. The facility is designed to store manure for a period of time longer than 24 months.
3. Retention of the facility is warranted based on anticipated future use.

ARTICLE 7. Subsections 14.41(2), (5e), and (10) are amended, (5f) is created, and (15r) is deleted as follows:

(2) Agricultural means related to or used for the production of food and fiber including, but not limited to, general farming, livestock and poultry enterprises, grazing, nurseries, horticulture, viticulture, truck farming, forestry, sod production, cranberry productions and wild crop harvesting. Clearing and grubbing of an area or structural development are not agricultural activity.

(5e) Direct Conduits to Groundwater means wells, sinkholes, swalletts, fractured bedrock at the surface, mine shafts, non-metallic mines, tile inlets discharging to groundwater, quarries, or depressional groundwater recharge areas over shallow fractured bedrock.



(5f) Director means the Director of the Dane County Land and Water Resources Department or his or her designee.

(10) Financial security instrument means an irrevocable letter of credit, surety bond, performance bond, certified check, or cashier's check submitted to the local approval authority to assure that requirements of the ordinance are carried out in compliance with approved plans.

ARTICLE 8. Subsection 14.45(2) is deleted, and subsections 14.45(3) through (7) are renumbered to 14.45(2) through (6) respectively, to read as follows:

**14.45 APPLICABILITY OF REQUIREMENT FOR EROSION CONTROL PLANS. [INTRO.]**

Unless expressly exempted by sec. 14.47, an erosion control permit under sec. 14.49 shall be required and all construction site erosion control provisions of this chapter shall apply, to any of the following activities in Dane County:

- (1) Land disturbing activity in excess of 4,000 square feet;
- (2) Land disturbing activity that involves the excavation or filling, or a combination of excavation and filling, in excess of 400 cubic yards of material;
- (3) Land disturbing activity that disturbs more than 100 lineal feet of road ditch, grass waterway or other land area where surface drainage flows in a defined open channel; including the placement, repair or removal of any underground pipe, utility or other facility within the cross-section of the channel;
- (4) Any new public or private roads or access drives longer than 125 feet;
- (5) Development that requires a subdivision plat, as defined in the applicable local land division ordinance(s);
- (6) Land disturbing activity that disturbs less than 4,000 square feet of land, including the installation of access drives, that the local approval authority determines to have a high risk of soil erosion or water pollution, or that may significantly impact a lake, stream, or wetland area. Examples of activities with a high risk of soil erosion or water pollution may include, but are not limited to, land disturbance on erodible soil or disturbance adjacent to lakes, rivers, streams or wetlands. All such determinations made by the local approval authority shall be in writing, unless waived by applicant.

ARTICLE 9. Section 14.46(1m) is deleted as follows:

ARTICLE 10. Section 14.47 is amended to read as follows:

**14.47 EXEMPTIONS AND CLARIFICATIONS.**

- (1) The following activities are exempt from all requirements of this ordinance:
  - (a) Any activity directly related to the planting, growing and harvesting of agricultural crops except the construction of a building or other structure.
- (2) The following activities are exempt from the construction site erosion control provisions of sec. 14.45:
  - (a) One- and two-family dwelling units regulated under the Wisconsin Uniform Dwelling Code. Land disturbing activities in excess of one (1) acre, or not associated with the construction of a dwelling, are not exempt from this chapter.
  - (b) Projects specifically exempted from local erosion control ordinances under state or federal statute. It is the responsibility of the landowner to demonstrate such exemption with documentation acceptable to the local approval authority.
  - (c) Projects subject to an approved shoreland erosion control permit under chapter 11.
  - (d) Maintenance of existing cropped fields with a prior approved conservation plan.



(e) Municipal road or county highway projects not exempted under s. 14.47(2)(b) are exempt from s. 14.51(2)(c) where all of the following conditions are met: 1. The purpose of the project is only to meet current state or federal design or safety guidelines; 2. All activity takes place within existing public right-of-way; 3. All other requirements of s. 14.51 are met; and 4. The project does not include the addition of new driving lanes.

(f) Soil conservation, stream and adjacent wetland protection and restoration practices such as terraces, runoff diversions, grassed waterways, cattle and equipment crossings, cattle watering access, water control structures, dikes, ditch plugs, tile breaks and sediment removal catchments, when implemented according to plans and designs approved by the Natural Resources Conservation Service or U.S. Fish & Wildlife Service of the U.S. Department of the Interior, Wisconsin Department of Natural Resources or the Dane County Land and Water Resources Department, provided that any such project involving land disturbing activity equal to or greater than one (1) acre shall also comply with the performance standards in s. 14.50(3).

ARTICLE 11. Subsections 14.49(5)(b), (5)(c), and (7) are amended and (8) is created as follows:

(5) Inspections.

(a) Application for a permit under this ordinance shall constitute permission by the applicant and landowner for the local approval authority to enter upon the property and inspect during the construction phase prior to the inspections pursuant to paragraphs (d) and (f), as necessary to confirm compliance with the requirements of this ordinance.

(b) As part of the plan approval process, the local approval authority shall determine the minimum inspection frequency required to assure compliance. The minimum frequency shall not be greater than every 30 days. The site shall be inspected by the local approval authority during the construction phase at the frequency specified.

(c) The permittee shall notify the local approval authority within 10 days after installation of all practices in an approved erosion control plan and achievement of soil stabilization. The permittee shall inspect the site weekly, and prior to every forecasted rain fall of ½ inch or greater.

(7) Plan or permit amendments. Any proposed modifications to approved plans, construction schedules or alterations to accepted sequencing of land disturbing site activities shall be approved by the director prior to implementation. A maximum of five permit revisions may be allowed.

(8) Timeframe and Expiration:

(a) Erosion control plan timetables and construction schedules must begin within one year of the date the permit application is filed.

(b) All permit applications shall expire upon the earlier of:

1. one year from the date the applicant is notified of an application deficiency, if the applicant has not submitted additional information to adequately address the deficiency within the year, or
2. three years from the date of application.

(c) Erosion control permits shall expire:

1. Upon the stabilization date include in the approved plan and included in the analysis provided to meet the requirements of 14.50(3)2.
2. A maximum of three years after the permit is issued

ARTICLE 12. Subsection 14.51(1)(j) is created to read as follows:

(1) Plan materials. Stormwater management plans shall satisfy all of the requirements in 14.51(2), and shall address at a minimum the following information:

(j) A summary of infiltration calculations including:

1. Predevelopment infiltration volume.
2. Calculated infiltration volume goal.
3. Achieved post development infiltration volume.

ARTICLE 13. Subsections 14.51(2)(c), (cm), and (e) are amended to read as follows:

(2) Stormwater management performance standards. Proposed design, suggested location and phased implementation of effective, practicable stormwater management measures for plans shall be designed, engineered and implemented to achieve the following results:

(c) Runoff Curve Number. The maximum runoff curve number (RCN) used in such calculations shall be those shown in Table 1. The TR-55-specified curve numbers for other land uses shall be used. Heavily disturbed sites will be lowered one permeability class for hydrologic calculations. Lightly disturbed areas require no modification. Where practices have been implemented to restore soil structure to pre-developed conditions, no permeability class modification is required.

Table 1. Maximum Predevelopment Runoff Curve Numbers Runoff Curve Number Hydrologic Soil Group\* A B C D Woodland 30 55 70 77 Grassland 39 61 71 78 Cropland 51 68 78 83

\*When dual HSG are specified, the drained condition shall be assumed

(cm) Runoff rate control - design standards. Except for redevelopment projects, all stormwater facilities shall be designed, installed and maintained to effectively accomplish the following:

1. Maintain predevelopment peak runoff rates for the 1-year, 24-hour storm event (2.5 inches over 24-hour duration).
2. Maintain predevelopment peak runoff rates for the 2-year, 24-hour storm event (2.9 inches over 24-hour duration).
3. Maintain predevelopment peak runoff rates for the 10-year, 24-hour storm event (4.2 inches over 24-hour duration).
4. Safely pass the 100-year, 24-hour storm event (6.0 inches over 24-hour duration).

(e) Infiltration.

1. For both residential and nonresidential developments, design practices to infiltrate sufficient runoff volume so that post-development infiltration volume shall be at least 90% of the pre-development infiltration volume, based upon average annual rainfall.
2. The maximum predevelopment runoff curve number (RCN) used in such calculations shall be those as specified in 14.51(2)(c), Table 1.
3. If, when designing appropriate infiltration systems, more than two percent (2%) of the site is required to be used as effective infiltration area, the applicant may alternately design infiltration systems and pervious surfaces to meet or exceed the annual pre-development recharge rate. The annual pre-development recharge rate shall be determined from the Wisconsin Geological and Natural History Survey's 2009 report, Groundwater Recharge in Dane County, Estimated by a GIS-Based Water-Balanced Model or subsequent updates to this report, or by a site specific analysis using other appropriate techniques. If this alternative design approach is taken, at least two percent (2%) of the site must be used for infiltration.
4. Pre-treatment. Before infiltrating runoff, pre-treatment shall be required for parking lot runoff and for runoff from new road construction in commercial, industrial and institutional areas that will enter an infiltration system. The pre-treatment shall conform to the design standards in s. 14.53 and be designed to protect the infiltration system from clogging prior to scheduled maintenance and to protect ground-water quality.

5. Prohibitions. Notwithstanding subparagraphs 1. through 3., infiltration systems may not be installed in any of the following areas:
- i. Areas associated with tier 1 industrial facilities identified in s. NR 216.21(2)(a), Wis. Admin. Code, including storage, loading, rooftop and parking.
  - ii. Storage and loading areas of tier 2 industrial facilities identified in s. NR 216.21(2)(b), Wis. Admin. Code.
  - iii. Fueling and vehicle maintenance areas.
  - iv. Areas within 1,000 feet up gradient or within 100 feet down gradient of direct conduits to groundwater.
  - v. Separation distances. Infiltration practices shall be located so that the characteristics of the soil and the separation distance between the bottom of the infiltration system and the elevation of seasonal high groundwater or the top of bedrock are in accordance with Table 2, below: Table 2. Separation Distances and Soil Characteristics Source Area Separation Distance Soil Characteristics Industrial, Commercial, Institutional Parking Lots and 5 Feet or More Filtering Layer Roads Residential Arterial Roads 5 Feet or More Filtering Layer Roofs Draining to Subsurface Infiltration Practices 1 Foot or More Native or Engineered Soil with Particles Finer than Coarse Sand Roofs Draining to Surface Infiltration Practices Not Applicable All Other Impervious Source Areas 3 Feet or More Filtering Layer
  - vi. Areas with runoff from industrial, commercial and institutional parking lots and roads and residential arterial roads with less than five feet separation distance from the bottom of the infiltration system to the elevation of seasonal high groundwater or the top of bedrock.
  - vii. Areas within 400 feet of a community water system well as specified in s. NR 811.16(4), Wis. Admin. Code, for runoff infiltrated from commercial, industrial and institutional land uses or regional devices for residential development.
  - viii. Areas where contaminants of concern, as defined in s. NR 720.03(2), Wis. Admin. Code, are present in the soil through which infiltration will occur.

ARTICLE 14. Subsection 14.55(2)(c) is created to read as follows: (c) Expired Permit Fee. When an applicant or landowner fails to stabilize the site according to the approved permit conditions, an after-the-fact permit is required, and applicable fees shall be doubled.

#### **III.d.**

**County leadership and coordination is by the Dane County Land and Water Resources Department (LWRD) staff. Staff also coordinated annual reporting requirements with affected Departments.**

- Coordination of county stormwater and erosion control minimum standards occurs through meetings of relevant county staff, primarily through the Urban Staff Meetings of the Land Conservation Division (2013)/Water Resource Engineering Division (2014), Dane County LWRD. All aspects of the Erosion Control and Stormwater Management permitting program were transferred to LWRD as of January 1, 2007.
- LWRD stormwater staff team meetings address permit-related work and county-wide stormwater program implementation.
- County staff also are active participants in the MAMSWAP I&E Subcommittee.

**III.e.**

The county's permit requirements and reporting were discussed as part of Sue Jones' State of the Waters Report to the County Board on June 6, 2013 and July 17, 2014. See attached meeting agendas.

**III.g.**

The Dane County Board completed and adopted a comprehensive plan, as defined in WI state statutes, on October 18, 2007 and it went into effect with the County Executive's signature on October 25, 2007. The adopted plan is found on Dane County's comprehensive planning home page: <http://www.daneplan.org/plan.shtml> .

Dane County's permit specifically applies to county-owned and operated MS4s. Those facilities are not specifically addressed in the county comprehensive planning process. However, several goals and objectives in the Agricultural, Natural and Cultural Resources portions of the plan address stormwater management. See Chapter 5 of the adopted plan, including the water resources objectives and policies.



Dane County  
Board of Supervisors

# CALENDAR

Thursday, June 6, 2013, 7:00pm  
Room 201, City-County Building  
210 MLK JR BLVD

- A. ROLL CALL Notified Absent: Excuse Supervisor Stubbs
  1. Prayer/Inspirational Message – Supervisor Bayrd (Supervisor Bollig next)
  2. Pledge of Allegiance – Supervisor Bayrd
  
- B. SPECIAL MATTERS AND ANNOUNCEMENTS
  1. Dane County Youth Governance Program Ceremony
  2. Dane County State of the Waters Presentation
    - Sue Jones, Office of Lakes & Watersheds Coordinator
  3. Announcements
  
- C. APPROVAL OF BILLS & ACCOUNTS
  1. Claims Recommended for Approval
  
- D. APPROVAL OF PROCEEDINGS – April 18, May 2 and 23, 2013
  
- E. CONSENT CALENDAR
  1. Ord. Amdt. 3, 13-14 – Amending Chapter 82, Incorporating the Town of Roxbury Comprehensive Plan into the Dane County Comprehensive Plan (Adopt)
  2. Res. 31, 13-14 – Authorization to Apply for State of Wisconsin DNR River Protection Planning Grants (Adopt)
  
- G. REPORTS ON ZONING PETITIONS
  - a. Map of Dane County
    1. Petition 10528 – Town of Blooming Grove – Robert R Gersbach (Grant as Modified)
    2. Petition 10549 – Town of Christiana – Robert A Veum (Grant as Modified)
    3. Petition 10550 – Town of Roxbury – Agnes Ballweg (Grant)
    4. Petition 10554 – Town of Dane – John J Statz (Grant as Modified)
    5. Petition 10555 – Town of Vienna – Todd A. Carpenter/Sara Riha (Grant as Modified)
    6. Petition 10556 – Town of Deerfield – Judith A. Dorshorst (Grant as Modified)
  
- H. ORDINANCES
  1. Ord. Amdt. 43, 13-14 – Amending Chapter 82, Incorporating the Town of Springfield Comprehensive Plan Into the Dane County Comprehensive Plan (Adopt with Amdt.)
  
- I. AWARD OF CONTRACTS
  1. \*Res. 11, 13-14 – Authorizing Grant Applications to the WI Department of Natural Resources (Adopt)
  2. \*Res. 27, 13-14 – Authorizing Deer Valley Lease for Joining Forces for Families Program (Adopt)
  3. \*Res. 28, 13-14 – Authorizing Leopold Lease for Early Childhood Initiative Program (Adopt)
  4. \*Res. 34, 13-14 – Authorizing Execution of Land Lease with Great Lakes Educational Loan Services, Inc. – Dane County Regional Airport (Adopt)
  5. \*Res. 38, 13-14 – Awarding a Contract for Public Information/Public Relations Assistance (Adopt)
  6. \*Res. 40, 13-14 – Authorizing an Agreement with the UW Board of Regents for Interns from the Urban and Regional Planning Department (Adopt)
  
- J. RESOLUTIONS
  1. \*Res. 25, 13-14 – Urging Support for Federal Legislation Decriminalizing Marijuana ( )
  2. \*Res. 43, 13-14 – Dane County Supports Divestment from Fossil Fuels ( )



- K. ITEMS REQUIRING A TWO-THIRDS MAJORITY FOR PASSAGE  
1. \*Res. 36, 13-14 – Accepting Fitchburg Library Revenue for Distribution to Other Libraries ( )
- M. SUCH OTHER BUSINESS AS THE COUNTY BOARD IS AUTHORIZED TO CONDUCT BY LAW  
1. Motion for County Board to fix 7:30pm on July 18th as the time of the hearing on the appeal of Conditional Use Permit 2237 [pursuant to DCO 10.255(2)(j)]
- N. ADJOURNMENT – Until Thursday, June 20, 2013, 7:00pm, Room 201, City-County Building, or Call of the Chair

\*Contingent on Committee action week of June 3, 2013.



**NOTE:** *If you need an interpreter, translator, materials in alternate formats or other accommodations to access this service, activity or program, please call the phone number below at least three business days prior to the meeting.*

**NOTA:** *Si necesita un intérprete, un traductor, materiales en formatos alternativos u otros arreglos para acceder a este servicio, actividad o programa, comuníquese al número de teléfono que figura a continuación tres días hábiles como mínimo antes de la reunión.*

**LUS CIM:** *Yog hais tias koj xav tau ib tug neeg txhais lus, ib tug neeg txhais ntawv, cov ntawv ua lwm hom ntawv los sis lwm cov kev pab kom siv tau cov kev pab, cov kev ua ub no (activity) los sis qhov kev pab cuam, thov hu rau tus xov tooj haul dab yam stag pub hub us hajj law us net year tea sib them.*

Office of the County Board/Legislative Services (608) 266-5758

TTY: CALL WISCONSIN RELAY 7-1-1



# Dane County

## Meeting Agenda - Final-revised County Board

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Thursday, July 17, 2014

7:00 PM

210 MLK JR BLVD ROOM 201-CCB

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Revised on 7/15/14

### A. ROLL CALL - Notified Absent: Supervisors Schauer & Schmidt

2014 IPACKET FOR CO BOARD MEETING OF JUNLY 17, 2014  
RPT-201

Attachments: 2014 REP-201JULY172014REVISEDPACKET.pdf

1. Prayer/Inspirational Message - Supervisor Rusk (Supervisor Salov next)
2. Pledge of Allegiance - Supervisor Rusk

### B. SPECIAL MATTERS AND ANNOUNCEMENTS

Dane County State of the Waters Presentation -  
Sue Jones, Office of Lakes & Watersheds

1. 2014 Community Engagement to Improve Dane County Waters  
PRES-050

Attachments: 2014 PRES-050 Jones 2014 0717.pdf

*presentation attached*

2. Announcements

3. PUBLIC HEARINGS - NONE

### C. APPROVAL OF PAYMENTS

1. 2014 BILLS OVER \$10,000 REFERRED TO THE COUNTY BOARD  
PAY-006

Sponsors: County Board

Attachments: 2014 PAY-006 BILLS07-17-14CB.pdf  
2014 PAY-006 UPDATEDBILLS07-17-14CB.pdf

*UPDATED BILLS ATTACHED*

**D. CLAIMS RECOMMENDED FOR DENIAL - NONE**

**E. APPROVAL OF COUNTY BOARD MINUTES**

- 1. 2014 MIN-163 County Board Minutes of June 26, 2014

Attachments: [2014 MIN-163COBOARDMIN6262014.pdf](#)

**F. CONSENT CALENDAR**

- 1. 2013 RES-296 AUTHORIZING AN AGREEMENT FOR THE RESURFACING AND JURISDICTIONAL TRANSFER OF CTH BW (EAST OF USH 51) IN THE CITY OF MADISON

Sponsors: Supervisor VELDRAN, Supervisor GILLIS and Supervisor RIPP

Attachments: [2013 RES-296.pdf](#)  
[2013FNRES296.pdf](#)  
[2014 CONTRACT RES-296.pdf](#)

Legislative History

4/3/14	Public Works & Transportation Committee	recommended for approval
4/3/14	County Board	referred to the Personnel & Finance Committee
7/7/14	Personnel & Finance Committee	recommended for approval

- 2. 2014 OA-019 AMENDING CHAPTER 82 OF THE DANE COUNTY CODE OF ORDINANCES, INCORPORATING THE TOWN OF WINDSOR COMPREHENSIVE PLAN INTO THE DANE COUNTY COMPREHENSIVE PLAN AND THE DANE COUNTY FARMLAND PRESERVATION PLAN

Sponsors: Supervisor O'LOUGHLIN, Supervisor BOLLIG, Supervisor de FELICE, Supervisor DOWNING, Supervisor DYE, Supervisor ERICKSON, Supervisor KOLAR, Supervisor MATANO, Supervisor McCARVILLE, Supervisor MILES, Supervisor PERTL, Supervisor RICHMOND, Supervisor SALOV, Supervisor SCHAUER, Supervisor SCHMIDT and Supervisor VELDRAN

Attachments: [2014 OA-019.pdf](#)  
[OA19WindsorStaffmemo06 2014.pdf](#)

Legislative History

5/16/14	County Board	referred to the Zoning & Land Regulation Committee
6/24/14	Zoning & Land Regulation Committee	recommended for approval

3. **2014 OA-023** AMENDING CHAPTER 76 OF THE DANE COUNTY CODE OF ORDINANCES, REGARDING ISSUANCE OF BUILDING NUMBERS FOR PARCELS WITHOUT A BUILDING.
- Sponsors:** Supervisor DOWNING, Supervisor BOLLIG, Supervisor MATANO, Supervisor MILES, Supervisor SALOV and Supervisor WUEST
- Attachments:** [OA-23, 2014 BUILDING NUMBERS.pdf](#)  
[Staff report on OA 23.pdf](#)
- Legislative History**
- |         |                                    |   |
|---------|------------------------------------|---|
| 5/16/14 | County Board                       | referred to the Zoning & Land Regulation Committee  |
| 5/27/14 | Zoning & Land Regulation Committee | postponed to the Zoning & Land Regulation Committee |
| 7/8/14  | Zoning & Land Regulation Committee | recommended for denial                              |
4. **2014 RES-023** AUTHORIZING FIXED HOLIDAY CREDIT FOR AIRPORT OPERATIONS SUPERVISORS
- Sponsors:** Supervisor RUSK and Supervisor O'LOUGHLIN
- Attachments:** [2014 RES-023.pdf](#)  
[2014 RES-023 Fiscal Note.pdf](#)
- Legislative History**
- |         |                               |   |
|---------|-------------------------------|---|
| 5/2/14  | County Board                  | referred to the Airport Commission            |
| 5/2/14  | County Board                  | referred to the Personnel & Finance Committee |
| 6/18/14 | Airport Commission            | recommended for approval                      |
| 7/7/14  | Personnel & Finance Committee | recommended for approval                      |
5. **2014 RES-111** AUTHORIZING LEASE OF LAND AT THE DANE COUNTY REGIONAL AIRPORT FOR THE CONSTRUCTION OF A HANGAR
- Sponsors:** Supervisor RUSK, Supervisor de FELICE, Supervisor GILLIS, Supervisor O'LOUGHLIN and Supervisor SCHAUER
- Attachments:** [2014 RES-111.pdf](#)  
[2014 RES-111 FISCAL NOTE.pdf](#)  
[2014 RES-111 CONTRACT 12020.pdf](#)
- Legislative History**
- |         |   |   |
|---------|---|---|
| 6/13/14 | County Board                            | referred to the Public Works & Transportation Committee |
| 6/13/14 | County Board                            | referred to the Personnel & Finance Committee           |
| 6/17/14 | Public Works & Transportation Committee | recommended for approval                                |
| 6/18/14 | Airport Commission                      | recommended for approval                                |
| 7/7/14  | Personnel & Finance Committee           | recommended for approval                                |

6. 2014 RES-151 APPROVING AGREEMENT FOR COMMUNITY DEVELOPMENT BLOCK GRANT TO FOREVER YOURS JEWELRY, INC.
- Sponsors:** Supervisor RIPP and Supervisor SOLBERG
- Attachments:** [2014 RES-151.pdf](#)  
[2014 RES-151 Fiscal Note.pdf](#)  
[2014 RES-151 CONTRACT 11994.pdf](#)
- Legislative History**
- |         |                               |   |
|---------|-------------------------------|---|
| 6/13/14 | County Board                  | referred to the Executive Committee           |
| 6/13/14 | County Board                  | referred to the Personnel & Finance Committee |
| 6/26/14 | Executive Committee           | recommended for approval                      |
| 7/7/14  | Personnel & Finance Committee | recommended for approval                      |
7. 2014 RES-168 AUTHORIZING CONTRACT FOR MEDICAL SERVICES FOR JUVENILE DETENTION RESIDENTS
- Sponsors:** Supervisor RUSK, Supervisor BAYRD, Supervisor KRAUSE, Supervisor McCARVILLE, Supervisor SCHAUER and Supervisor WILLETT
- Attachments:** [2014 RES-168.pdf](#)  
[2014 RES-168 Fiscal Note.pdf](#)  
[2014 RES-168 CONTRACT 12024.pdf](#)
- Legislative History**
- |         |   |   |
|---------|---|---|
| 6/13/14 | County Board                            | referred to the Public Protection & Judiciary Committee |
| 6/13/14 | County Board                            | referred to the Personnel & Finance Committee           |
| 6/17/14 | Public Protection & Judiciary Committee | recommended for approval                                |
| 7/7/14  | Personnel & Finance Committee           | recommended for approval                                |
8. 2014 RES-169 AUTHORIZING CONTRACT FOR VETERINARY SERVICE FOR THE HENRY VILAS ZOO
- Sponsors:** Supervisor ERICKSON
- Attachments:** [2014 RES-169.pdf](#)  
[2014 RES-169 Fiscal Note.pdf](#)  
[2014 RES-169 CONTRACT 11988.pdf](#)
- Legislative History**
- |         |              |   |
|---------|--------------|---|
| 6/13/14 | County Board | referred to the Henry Vilas Zoo Commission              |
| 6/13/14 | County Board | referred to the Public Works & Transportation Committee |
| 6/13/14 | County Board | referred to the Personnel & Finance Committee           |



6/17/14	Public Works & Transportation Committee	recommended for approval
7/1/14	Henry Vilas Zoo Commission	approved
7/7/14	Personnel & Finance Committee	recommended for approval

9. 2014 RES-172 CHANGE ORDER #10 TO CONTRACT FOR J.P. CULLEN & SONS, INC. FOR CONSTRUCTION OF ARCTIC ANIMAL EXHIBIT AND CONCESSIONS AT HENRY VILAS ZOO

**Sponsors:** Supervisor SCHMIDT, Supervisor de FELICE, Supervisor RIPP and RITT

**Attachments:** [2014 RES-172.pdf](#)  
[2014 RES-172 FISCAL NOTE.pdf](#)

**Legislative History**

6/13/14	County Board	referred to the Public Works & Transportation Committee
6/13/14	County Board	referred to the Personnel & Finance Committee
6/17/14	Public Works & Transportation Committee	recommended for approval
7/7/14	Personnel & Finance Committee	recommended for approval

10. 2014 RES-175 AUTHORIZING AN EXTENSION OF LIMITED TERM EMPLOYEE HOURS IN THE DEPARTMENT OF PUBLIC WORKS, HIGHWAY AND TRANSPORTATION

**Sponsors:** Supervisor SCHMIDT, Supervisor RIPP, RITT and Supervisor de FELICE

**Attachments:** [2014 RES-175.pdf](#)  
[2014 RES-175 FISCAL NOTE.pdf](#)  
[2014 RES-175 MOU.pdf](#)

**Legislative History**

6/13/14	County Board	referred to the Public Works & Transportation Committee
6/13/14	County Board	referred to the Personnel & Finance Committee
6/17/14	Public Works & Transportation Committee	recommended for approval
7/7/14	Personnel & Finance Committee	recommended for approval

11. 2014 REFERENDUM ON HEALTH CARE

RES-176

Sponsors:

Supervisor ZWEIFEL, Supervisor BAYRD, Supervisor BOLLIG, Supervisor de FELICE, Supervisor DOWNING, Supervisor DYE, Supervisor ERICKSON, Supervisor GILLIS, Supervisor KOLAR, Supervisor KRAUSE, Supervisor McCARVILLE, Supervisor MILES, Supervisor O'LOUGHLIN, Supervisor PAN, Supervisor PERTL, RITT, Supervisor RUSK, Supervisor SALOV, Supervisor SCHAUER, Supervisor SCHMIDT, Supervisor SOLBERG, Supervisor STUBBS, Supervisor VELDRAN, Supervisor WEGLEITNER and Supervisor WUEST

Attachments:

2014 RES-176

Legislative History

6/13/14	County Board	referred to the Executive Committee
6/26/14	Executive Committee	recommended for approval

**G. MOTIONS FROM PREVIOUS MEETINGS**

1. 2014 FUNDING FOR A CENTRALLY LOCATED PERMANENT DAY  
RES-086 RESOURCE CENTER

Sponsors:

Supervisor WEGLEITNER, Supervisor MATANO, Supervisor PAN, Supervisor RICHMOND, RITT and Supervisor HENDRICK

Attachments:

2014 RES-086

2014 RES-086 FISCAL NOTEUPDATE2.pdf

*Motion to Withdraw from all Committees and Place on Agenda*

Legislative History

5/2/14	County Board	referred to the Health & Human Needs Committee
5/2/14	County Board	referred to the Personnel & Finance Committee
5/2/14	County Board	referred to the Homeless Issues Committee

**H. REPORTS ON ZONING PETITIONS**

1. 10672 PETITION: REZONE 10672  
 APPLICANT: STOUGHTON FARMS INC  
 LOCATION: 3768 OLD STAGE ROAD, SECTION 34, TOWN OF RUTLAND  
 CHANGE FROM: A-1EX Agriculture District TO A-2 (8) Agriculture District  
 REASON: creation of a 15-acre A-2(8) parcel

**Attachments:**

[10672-2270 staff rpt update coverpage.pdf](#)  
[Town board action \(5-28-14\).pdf](#)  
[Town board action \(6-12-14\).pdf](#)  
[Corp Counsel opinion on town action and state statutes.pdf](#)  
[Staff report UPDATE Petition 10672 - CUP 2270 \(FM Radio tower, sec 34 Rutla](#)  
[10672 CUP 2270 map 1.pdf](#)  
[10672 CUP 2270 map 2.pdf](#)  
[10672 Ord Amend.pdf](#)

**Legislative History**

4/29/14	Zoning & Land Regulation Committee	postponed to the Zoning & Land Regulation Committee
7/8/14	Zoning & Land Regulation Committee	recommended for denial

2. 10687 PETITION: REZONE 10687  
 APPLICANT: DAVID W SMITHBACK  
 LOCATION: 500 FEET NORTH OF PEBBLE LN EAST OF CLEAR VIEW ROAD, SECTION 11, TOWN OF CHRISTIANA  
 CHANGE FROM: A-1EX Agriculture District TO RH-1 Rural Homes District  
 REASON: creating one residential lot

**Attachments:**

[10687 Staffreport \(Smithback\).pdf](#)  
[10687 town action.pdf](#)  
[CH10687\(Vasby farms sec 11\)2014.pdf](#)  
[10687 map.pdf](#)  
[10687 Ord Amend.pdf](#)

**Legislative History**

6/24/14	Zoning & Land Regulation Committee	recommended for approval
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3. 10688 PETITION: REZONE 10688  
 APPLICANT: RODNEY NELSON  
 LOCATION: 5361 & 5359 MAHOCKER RD, SECTION 19, TOWN OF BLACK EARTH  
 CHANGE FROM: A-1EX Agriculture District TO RH-4 Rural Homes District, A-1EX Agriculture District TO A-4 Agriculture District, A-1EX Agriculture District TO RH-1 Rural Homes District  
 REASON: creating two residential lots for existing residences and creating one agricultural lot

Attachments: [10688 Staff update.pdf](#)  
[10688 Town.pdf](#)  
[10688 map.pdf](#)  
[10688densitystudy.pdf](#)  
[10688 Ord Amend.pdf](#)

Legislative History

6/24/14	Zoning & Land Regulation Committee	postponed to the Zoning & Land Regulation Committee
7/8/14	Zoning & Land Regulation Committee	recommended for approval as amended

4. 10691 PETITION: REZONE 10691  
 APPLICANT: TOWN OF COTTAGE GROVE  
 LOCATION: TOWN OF COTTAGE GROVE, SECTION 16, TOWN OF COTTAGE GROVE  
 CHANGE FROM: A-1EX Agriculture District TO Development District  
 REASON: compliance with farmland preservation plan as required by ss. 91.38

Attachments: [10691 Staffreport \(Cottage Grove blanket rz\).pdf](#)  
[10691 town action report.pdf](#)  
[10691 map.pdf](#)  
[10691 Ord Amend.pdf](#)

Legislative History

6/24/14	Zoning & Land Regulation Committee	recommended for approval
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5. 10692 PETITION: REZONE 10692  
APPLICANT: DALE D SECHER  
LOCATION: 1042 TIPPERARY RD., SECTION 16, TOWN OF OREGON  
CHANGE FROM: A-1EX Agriculture District TO A-2 (2) Agriculture District  
REASON: creating one residential lot

**Attachments:** [10692 Staffreport \(Secher\).pdf](#)  
[10692 town action FINAL.pdf](#)  
[10692 map.pdf](#)  
[10692 map2.pdf](#)  
[10692densitystudy.pdf](#)  
[10692 Ord Amend.pdf](#)

**Legislative History**

6/24/14 Zoning & Land Regulation Committee recommended for approval as amended

6. 10693 PETITION: REZONE 10693  
APPLICANT: TOWN OF BERRY  
LOCATION: WEST OF 4867 COUNTY HIGHWAY P, SECTION 35, TOWN OF BERRY  
CHANGE FROM: A-1EX Agriculture District TO CO-1 Conservancy District  
REASON: compliance with farmland preservation plan as required by ss. 91.38

**Attachments:** [10693 Staffreport \(Berry blanket rz\).pdf](#)  
[10693 town action FINAL.pdf](#)  
[10693 Ord Amend.pdf](#)

**Legislative History**

6/24/14 Zoning & Land Regulation Committee recommended for approval

7. 10695 PETITION: REZONE 10695  
APPLICANT: BRIAN HENNING  
LOCATION: SOUTH OF 6663 COUNTY HIGHWAY TT, SECTION 33,  
TOWN OF YORK  
CHANGE FROM: A-1EX Agriculture District TO RH-1 Rural Homes  
District  
REASON: creating one residential lot
- Attachments:** [10695 Staffreport \(Henning\).pdf](#)  
[10695 town action FINAL.pdf](#)  
[10695 map.pdf](#)  
[10695densitystudy.pdf](#)  
[10695 Ord Amend.pdf](#)
- Legislative History**
- |         |                                       |                                     |
|---------|---------------------------------------|-------------------------------------|
| 6/24/14 | Zoning & Land Regulation<br>Committee | recommended for approval as amended |
|---------|---------------------------------------|-------------------------------------|
8. 10696 PETITION: REZONE 10696  
APPLICANT: BRENT H MOSHER  
LOCATION: 5025 MISSOURI RD, SECTION 27, TOWN OF MEDINA  
CHANGE FROM: A-1EX Agriculture District TO A-4 Agriculture District,  
R-1 Residence District TO RH-3 Rural Homes District, A-1EX  
Agriculture District TO RH-3 Rural Homes District  
REASON: separating existing residence from farmland
- Attachments:** [10696 Staffreport \(Mosher\).pdf](#)  
[10696 town action report.pdf](#)  
[10696 map.pdf](#)  
[10696densitystudy.pdf](#)  
[10696 Ord Amend.pdf](#)
- Legislative History**
- |         |                                       |                                     |
|---------|---------------------------------------|-------------------------------------|
| 6/24/14 | Zoning & Land Regulation<br>Committee | recommended for approval as amended |
|---------|---------------------------------------|-------------------------------------|



9. 10697 PETITION: REZONE 10697  
 APPLICANT: SCOTT REAMER  
 LOCATION: 1292 W. MEDINA ROAD, SECTION 32, TOWN OF MEDINA  
 CHANGE FROM: A-1EX Agriculture District TO A-2 (2) Agriculture District  
 REASON: creating one residential lot
- Attachments:** [10697 Staffreport \(Reamer\).pdf](#)  
[10697 town action report.pdf](#)  
[10697 map.pdf](#)  
[10697densitystudy.pdf](#)  
[10697 Ord Amend.pdf](#)
- Legislative History**
- |         |                                    |                                     |
|---------|------------------------------------|-------------------------------------|
| 6/24/14 | Zoning & Land Regulation Committee | recommended for approval as amended |
|---------|------------------------------------|-------------------------------------|
10. 10699 PETITION: REZONE 10699  
 APPLICANT: ROMAN E HAAS  
 LOCATION: JUST NORTH OF 7807 FISH LAKE ROAD, SECTION 4, TOWN OF ROXBURY  
 CHANGE FROM: A-1EX Agriculture District TO R-1A Residence District  
 REASON: creating one residential lot
- Attachments:** [10699 Staff update.pdf](#)  
[10699 town action.pdf](#)  
[10699 revised petition.pdf](#)  
[10699 Alternative option.pdf](#)  
[RX10699\(Haas farm sec 4\)2014.pdf](#)  
[10699 Ord Amend.pdf](#)
- Legislative History**
- |         |                                    |   |
|---------|------------------------------------|---|
| 6/24/14 | Zoning & Land Regulation Committee | postponed to the Zoning & Land Regulation Committee |
| 7/8/14  | Zoning & Land Regulation Committee | recommended for approval as amended                 |

11. 10700 PETITION: REZONE 10700  
 APPLICANT: DAVID R MERTENS  
 LOCATION: 6427 COUNTY HIGHWAY A, SECTION 13, TOWN OF MONTROSE  
 CHANGE FROM: A-1EX Agriculture District TO A-2 (2) Agriculture District, A-1EX Agriculture District TO A-2(8) Agriculture District  
 REASON: shifting of property lines between adjacent land owners

**Attachments:** [10700 staff update.pdf](#)  
[10700 Town.pdf](#)  
[10700densitystudy.pdf](#)  
[10700 map.pdf](#)  
[10700 Ord Amend.pdf](#)

**Legislative History**

6/24/14	Zoning & Land Regulation Committee	postponed to the Zoning & Land Regulation Committee
7/8/14	Zoning & Land Regulation Committee	recommended for approval as amended

12. 10701 PETITION: REZONE 10701  
 APPLICANT: RICHARD S HERSCHLEB  
 LOCATION: 4389 COUNTY HIGHWAY DM, SECTION 5, TOWN OF WINDSOR  
 CHANGE FROM: A-2 Agriculture District TO A-2 (2) Agriculture District  
 REASON: separating existing residence from farmland

**Attachments:** [10701 Staffreport \(Herschleb\).pdf](#)  
[10701 town action report.pdf](#)  
[10701 map.pdf](#)  
[10701 Ord Amend.pdf](#)

**Legislative History**

6/24/14	Zoning & Land Regulation Committee	suspended from the rules
6/24/14	Zoning & Land Regulation Committee	recommended for approval as amended

13. 10702 PETITION: REZONE 10702  
 APPLICANT: MAXWELL FAMILY LLC  
 LOCATION: 7711 MIDTOWN ROAD, SECTION 6, TOWN OF VERONA  
 CHANGE FROM: A-2 Agriculture District TO A-3 Agriculture District, A-1EX Agriculture District TO A-3 Agriculture District, RH-2 Rural Homes District TO A-3 Agriculture District, A-2 Agriculture District TO RH-2 Rural Homes District, A-1EX Agriculture District TO RH-2 Rural Homes District  
 REASON: reconfiguring two residential lots and creating two agricultural lots for farm educational facility

**Attachments:** [10702 CUP 2276 Staff update.pdf](#)  
[10702 town action FINAL \(rezone only\).pdf](#)  
[10702 map.pdf](#)  
[10702 Ord Amend.pdf](#)

**Legislative History**

6/24/14	Zoning & Land Regulation Committee	postponed to the Zoning & Land Regulation Committee
7/8/14	Zoning & Land Regulation Committee	recommended for approval

14. 10703 PETITION: REZONE 10703  
 APPLICANT: JAMES J SKALITZKY  
 LOCATION: JUST WEST OF STATE HIGHWAY 19 AND TOWN HALL ROAD, SECTION 3, TOWN OF SUN PRAIRIE  
 CHANGE FROM: A-2 (1) Agriculture District TO C-2 Commercial District  
 REASON: rezoning for mini-warehouses.

**Attachments:** [10703 Staff update.pdf](#)  
[10703 town action report.pdf](#)  
[10703 map.pdf](#)  
[10703 Sun Prairie.pdf](#)  
[10703 Ord Amend.pdf](#)

**Legislative History**

6/24/14	Zoning & Land Regulation Committee	postponed to the Zoning & Land Regulation Committee
7/8/14	Zoning & Land Regulation Committee	recommended for denial

15. 10704 PETITION: REZONE 10704  
 APPLICANT: WILLIAM J BUSS  
 LOCATION: 900 FEET EAST OF 2141 LESLIE ROAD, SECTION 23,  
 TOWN OF DUNKIRK  
 CHANGE FROM: RH-3 Rural Homes District TO LC-1 Limited  
 Commercial District, RH-3 Rural Homes District TO CO-1 Conservancy  
 District  
 REASON: create lot to allow a concrete contractor business

**Attachments:** [10704 Staffreport \(Buss\).pdf](#)  
[10704 town action FINAL.pdf](#)  
[10704 map.pdf](#)  
[10704 Ord Amend.pdf](#)

**Legislative History**

6/24/14 Zoning & Land Regulation recommended for approval  
 Committee

16. 10708 PETITION: REZONE 10708  
 APPLICANT: STEVEN M WOLFE  
 LOCATION: 7233 COOPER ROAD, SECTION 18, TOWN OF YORK  
 CHANGE FROM: A-1EX Agriculture District TO RH-1 Rural Homes  
 District  
 REASON: separating existing residence from farmland

**Attachments:** [10708 Staffreport \(Wolfe\).pdf](#)  
[10708 town actionFNL.pdf](#)  
[10708 map.pdf](#)  
[10708densitystudy.pdf](#)  
[10708 Ord Amend.pdf](#)

**Legislative History**

6/24/14 Zoning & Land Regulation recommended for approval  
 Committee

**I. ORDINANCES - SEE F. CONSENT CALENDAR**

**J. AWARD OF CONTRACTS**

1. 2014 CHANGE ORDER #24 TO CONTRACT FOR MIRON CONSTRUCTION  
RES-173 CO., INC. FOR ALLIANT ENERGY CENTER PAVILIONS  
**Sponsors:** Supervisor SCHMIDT, Supervisor de FELICE, Supervisor RIPP and RITT

**Attachments:** [2014 RES-173.pdf](#)  
[2014 RES-173 SUB. 1.pdf](#)  
[2014 RES-173 FISCAL NOTE.pdf](#)

**Legislative History**

6/13/14	County Board	referred to the Public Works & Transportation Committee
6/13/14	County Board	referred to the Personnel & Finance Committee
6/17/14	Public Works & Transportation Committee	postponed indefinitely
7/1/14	Public Works & Transportation Committee	recommended adoption of Sub. 1
7/7/14	Personnel & Finance Committee	recommended adoption of Sub. 1

### K. RESOLUTIONS - updated to include contingent resolution 2014 RES-210

- \*1. 2014 RES-210 RESOLUTION FINDING THE CAPITAL AREA REGIONAL PLANNING COMMISSION'S 2015 BUDGET CERTIFICATION UNREASONABLE
- Sponsors:** Supervisor PERTL
- Attachments:** 2014 RES-210  
CARPC 2015 budget certification.pdf
- \*Contingent on Pers/Finance Comm. action 7/17/2014*
- Legislative History**
- |         |              |   |
|---------|--------------|---|
| 7/14/14 | County Board | referred to the Personnel & Finance Committee |
|---------|--------------|---|

### L. APPOINTMENTS

1. 2014 RES-177 COUNTY EXECUTIVE APPOINTMENTS
- Sponsors:** Supervisor CORRIGAN
- Attachments:** 2014 RES-177
- Legislative History**
- |         |                     |                                     |
|---------|---------------------|-------------------------------------|
| 6/13/14 | County Board        | referred to the Executive Committee |
| 6/26/14 | Executive Committee | recommended for approval as amended |

### M. ITEMS REQUIRING A TWO-THIRDS MAJORITY FOR PASSAGE

1. 2013 RES-277 ACCEPTING MEDICAL RESERVE CORPS FUNDING ASSISTANCE
- Sponsors:** Supervisor RUSK, Supervisor McCARVILLE, Supervisor BAYRD, Supervisor de FELICE, WIGANOWSKY, Supervisor DYE and SCHLICHT
- Attachments:** 2013 RES-277.pdf  
2013 RES-277FISCAL NOTE.pdf.
- Legislative History**
- |         |              |   |
|---------|--------------|---|
| 3/20/14 | County Board | referred to the Emergency Medical Services Commission |
|---------|--------------|---|

3/20/14	County Board	referred to the Personnel & Finance Committee
3/25/14	Public Protection & Judiciary Committee	recommended for approval
4/23/14	Emergency Medical Services Commission	tabled
5/28/14	Emergency Medical Services Commission	recommended for approval
7/7/14	Personnel & Finance Committee	recommended for approval

2. 2014 RES-046 AUTHORIZING AN AGREEMENT TO ACCEPT HIGHWAY SAFETY GRANT FUNDS FOR A SEATBELT ENFORCEMENT PROJECT GRANT NUMBER F-2014-DANE CO-02360

**Sponsors:** Supervisor RUSK, Supervisor BAYRD, Supervisor KRAUSE, Supervisor McCARVILLE, Supervisor PAN, Supervisor WILLETT and Supervisor SCHAUER

**Attachments:** [2014 RES-046.pdf](#)  
[2014 RES-046 FISCAL NOTE.pdf](#)

**Legislative History**

5/2/14	County Board	referred to the Public Protection & Judiciary Committee
5/2/14	County Board	referred to the Personnel & Finance Committee
5/6/14	Public Protection & Judiciary Committee	recommended for approval
7/7/14	Personnel & Finance Committee	recommended for approval

3. 2014 RES-119 AMENDING PROFESSIONAL SERVICES CONTRACTS FOR DODGE AND TREMPLEAU COUNTIES DCDHS - ACS DIVISION

**Sponsors:** Supervisor LEVIN

**Attachments:** [2014 RES-119.pdf](#)  
[2014 RES-119 FISCAL NOTE.pdf](#)  
[2014 RES-119 CONTRACT 82695A.pdf](#)  
[2014 RES-119 CONTRACT 82672A.pdf](#)

**Legislative History**

5/16/14	County Board	referred to the Health & Human Needs Committee
5/16/14	County Board	referred to the Personnel & Finance Committee
6/3/14	Health & Human Needs Committee	recommended for approval
7/7/14	Personnel & Finance Committee	recommended for approval



4. 2014 RES-174 AUTHORIZING ACCEPTANCE OF TRAINING GRANT FOR STREET SMART HAZMAT – LESSONS LEARNED

Sponsors: Supervisor RUSK, Supervisor BAYRD, Supervisor KRAUSE, Supervisor McCARVILLE, Supervisor PAN, Supervisor SCHAUER and Supervisor WILLETT

Attachments: [2014-RES-174.pdf](#)  
[2014 RES-174 Policy & Fiscal Note.pdf](#)  
[2014 RES-174 CONTRACT 12007.pdf](#)

Legislative History

6/13/14	County Board	referred to the Public Protection & Judiciary Committee
6/13/14	County Board	referred to the Personnel & Finance Committee
6/17/14	Public Protection & Judiciary Committee	recommended for approval
7/7/14	Personnel & Finance Committee	recommended for approval

**N. SPECIAL ORDER OF BUSINESS - NONE**

**O. SUCH OTHER BUSINESS AS THE COUNTY BOARD IS AUTHORIZED TO CONDUCT BY LAW**

**P. ADJOURNMENT**

*Until Thursday, August 14, 2014, 7:00 PM, Room 201, City-County Building, or Call of the Chair*

*signed SHARON CORRIGAN - COUNTY BOARD CHAIR*

*NOTE: If you need an interpreter, translator, materials in alternate formats or other accommodations to access this service, activity or program, please call the phone number below at least three business days prior to the meeting.*

*NOTA: Si necesita un intérprete, un traductor, materiales en formatos alternativos u otros arreglos para acceder a este servicio, actividad o programa, comuníquese al número de teléfono que figura a continuación tres días hábiles como mínimo antes de la reunión.*

*LUS CIM: Yog hais tias koj xav tau ib tug neeg txhais lus, ib tug neeg txhais ntawv, cov ntawv ua lwm hom ntawv los sis lwm cov kev pab kom siv tau cov kev pab, cov kev ua ub no (activity) los sis qhov kev pab cuam, thov hu rau tus xov tooj hauv qab yam tsawg pab hnuv ua hauj lwm ua ntej yuav tuaj sib tham.*

*COUNTY BOARD/LEGISLATIVE SERVICES (608) 266-5758 CALL WISCONSIN RELAY TTY 7-1-1*

**Appendix B**  
**Storm Water Management Program**  
**IV.a.2 (Dane Co. only)**

**IV.a.3.**

**IV.a.4.**

**IV.b.1-3.**

**IV.b.4.**

**IV.c.1.**

**IV.c.3.**

**IV.c.4.**

**IV.d.1.**

**IV.d.2.**

**IV.d.3.**

**IV.d.4.**

**IV.d.5.**

**IV.e.1.**

**IV.e.2.**

**IV.e.3.**

**IV.f.1.**

**IV.f.2.**

**IV.f.3.**

**IV.f.4.**

**IV.f.5.**

**IV.f.6.**

**IV.f.8.**

**IV.f.9.**

**IV.f.10.**

**IV.f.11.**

**IV.g.1.**

**IV.g.2.**

## Appendix B

### IV. Stormwater Management Program

#### IV.a.2.

##### MAMSWAP 2013 I&E WORK PLAN

The Madison Area Municipal Stormwater Partnership (MAMSWaP), under the auspices of a five-year MOU through 2013, currently consists of 22 entities that have agreed to jointly implement stormwater outreach to reduce negative stormwater impacts. Members include cities of Fitchburg, Madison, Monona, Middleton, Stoughton, Sun Prairie and Verona; the villages of Cottage Grove, DeForest, Maple Bluff, McFarland, Shorewood Hills and Waunakee; and the towns of Burke, Blooming Grove, Dunkirk, Madison, Middleton, Westport and Windsor; Dane County and the University of Wisconsin–Madison. The MAMSWaP I&E Committee assists the Dane County Stormwater Education Coordinator (SWEC) with review of the annual I&E work plan. Regular participation on the I&E Committee has included representatives from the cities of Fitchburg, Madison, and Stoughton. Representation from other municipalities, especially villages and townships on the I&E Committee is strongly encouraged.

*The Trends in Storm Water-Related Perceptions, Knowledge and Practices Plus Implications For Education Outreach, A Study Based on 2009 and 2003 Survey Data From Select Dane County Communities Final Report (Final Report)*, was conducted in 2009, and was based on the 2003 survey in order to compare responses and analyze implementation of the 2003 plan. The *Final Report* was then used to develop appropriate outreach activities for the 2009-2013 outreach plan. Annual work plans are also developed with this data in mind. The entire report can be found at

[http://danedocs.countyofdane.com/webdocs/pdf/lwrd/lakes/storm\\_water\\_trends.pdf](http://danedocs.countyofdane.com/webdocs/pdf/lwrd/lakes/storm_water_trends.pdf).

The *Final Report* reminds us that there are many factors contributing to changes in the public's attitudes and behaviors associated with mitigating the negative effects of stormwater runoff and that findings cannot be linked to the actions of any one person, group or program as they were not studied. However, practices associated with composting leaves and keeping leaves out of the streets increased by approximately 10% from 2003 to 2009. Continued improvements to the Love Your Lakes, Don't Leaf Them program appear to have increased participation since 2009. While data might suggest increasing reluctance to install rain gardens, the 2009 survey showed that 64% were willing to install or wanting more information on rain gardens. Not reflected in the 2009 *Final Report* is that the Plant Dane! program participation has remained quite stable and workshop attendance has increased since 2009.

Not surprisingly, survey data suggested that target audiences were not actively searching for information about stormwater issues and practices. Rather, they were more likely to notice relevant information as news and/or articles in local print newspapers. While few appear to use the myfairlakes.com website as a place to learn about stormwater impacts, analytical data show spikes in website use during the Plant Dane! and Love Your Lakes, Don't Leaf Them campaigns. Informal education venues, such as events set up by individual municipalities, appear to be effective, including workshops or demonstrations. Increased publicity of local governments' efforts to improve water quality also appears to be effective.

While data showed low usage of myfairlakes.com, reasons for underutilization of the site are not well understood and were not examined. After the 2009 survey was completed, the website was redesigned to be more attractive and user friendly. Since links from external sites increase rankings on search engines, it is vitally important that member municipalities link to myfairlakes.com so that information on the site appears prominently in results.

Use of social networking sites, listservs, blogs, electronic magazines, pod casts, YouTube and other electronic media was relatively low through 2009, but appears to be increasing since then according to analytic data. Continued examination of internet tools is warranted since trends change as quickly as technology. Information on the website must be kept up to date regardless of trends.

Outreach strategies need to be opportunistic and flexible, providing easily accessed educational materials regarding practices and behaviors, allowing for rapid responses as well as adequate resources to support rapid responses. The I&E Work Plan takes into account not only the results of the 2009 survey, but also experiences from implementation of previous work plans and activities. It also lists ongoing actions that consume a considerable amount of the part-time hours available.

For more information, contact the Dane County Stormwater Education Coordinator (SWEC) at 608-224-3746 or [info@myfairlakes.com](mailto:info@myfairlakes.com).

### 2013 I&E WORK PLAN ACTION LIST

(responsible party in parentheses)

1. Develop 2014-2018 I&E Plan and Intergovernmental Agreement. (MAMSWaP I&E Committee, SWEC)
2. Work with the North American Stormwater and Erosion Control Association to further investigate partnering opportunities to best reach target audience(s). (SWEC)
3. Work with the Dane County Lakes & Watershed Commission's Strategic Engagement Committee to investigate partnering opportunities to best reach target audience(s). (SWEC)
4. Where appropriate (urban stormwater outreach areas), support and implement actions from the Yahara CLEAN Report  
[http://www.yaharaportal.org/sites/default/files/CLEAN\\_Report\\_090910.pdf](http://www.yaharaportal.org/sites/default/files/CLEAN_Report_090910.pdf).
5. Develop survey and/or checklist for member municipalities to gather, report/share information on innovative materials and activities developed by municipalities or by MAMSWaP Information & Education Committee (I&E Committee)/staff (for even numbered years only). (SWEC)
6. Develop environmental action list (storm drain marking, leaf management, rain garden installation, lake and stream clean up, etc.) with specific tasks for citizens, groups and others to implement. (MAMSWaP I&E Committee, SWEC)
7. Seek existing BMP and other technical educational videos to demonstrate ways to minimize stormwater impacts. (MAMSWaP I&E Committee, SWEC)

8. Develop placemats for use at Dane County restaurants. (MAMSWaP I&E Committee, SWEC)
9. Grass clipping sticker and book for municipal drivers. (SWEC)
10. Explore providing t-shirts or reusable shopping bags for storm drain marking volunteers and other ways to improve storm drain marking program. (SWEC)

## **ONGOING**

1. Quarterly reporting to member municipalities (see attached I&E Updates); biennial reporting to DNR.
2. Bill municipalities and track payments.
3. Develop annual work plan.
4. Update/maintain website.
5. Continue Love Your Lakes Don't Leaf Them Campaign.
6. Continue Plant Dane! Cost-Share program.
7. Continue promoting rain barrel programs.
8. Continue salt/deicing education materials and program.
9. Continue to work with the Earth Gauge Partnership.
10. Continue to promote NASECA events.
11. Develop and distribute articles to municipalities, friends groups, community groups and neighborhood association newsletters.
12. Develop/provide presentations (PowerPoint, slides, overheads, etc.) focused on audience interests/concerns.
13. Continue to use existing list serves to disseminate info.
14. Continue providing organizations and community groups assistance and partnering with projects (presentations, displays etc. for communities).
15. Continue to promote storm drain stenciling and marking programs.
16. Promote curriculum developed.
17. Maintain distribution lists.
18. Publicize training for building inspectors, contractors and staff.
19. Publicize availability of the Dane County Erosion Control and Stormwater Management Manual.
20. Promote and distribute DVD and CD.
21. Promote use of Enviroscope model including finding instructional how-to video for potential demonstrators.
22. Coordinate efforts with MMSD as appropriate regarding the adaptive management pilot project in the Yahara Watershed.

## **MAMSWAP 2014 I&E WORK PLAN**

The Madison Area Municipal Stormwater Partnership (MAMSWaP), under the auspices of a five-year memorandum of understanding through 2018, currently consists of 21 entities that have agreed to jointly implement stormwater outreach to reduce negative stormwater impacts. Members include cities of Fitchburg, Madison, Monona, Middleton, Stoughton, Sun Prairie and Verona; the villages of Cottage Grove, DeForest, Maple Bluff, McFarland, Shorewood Hills



and Waunakee; and the towns of Burke, Blooming Grove, Madison, Middleton, Westport and Windsor; Dane County and the University of Wisconsin–Madison.

The MAMSWaP I&E Committee assists the Dane County Stormwater Education Coordinator (SWEC) with development and implementation of projects and plans. Regular participation on the I&E Committee has included representatives from the cities of Fitchburg, Madison, and Stoughton. Representation from other municipalities, especially villages and townships, on the I&E Committee is strongly encouraged.

The MAMSWaP Annual I&E Work Plan seeks to meet or exceed the minimum requirements and elements outlined in the current WPDES Permit Number WI-S058416-3 (effective July 1, 2009 – June 30, 2014; WPDES Permit Number WI-S050075-1 for Village of Cottage Grove and City of Stoughton) by developing and implementing a coordinated, regional outreach effort using consistent messages among and between communities to reduce the quantity and improve the quality of urban stormwater runoff and identify and eliminate illicit discharges. Numbered items are the specific elements from the permit language. Bullets are the action items for 2014.

*C.(1)(b)(1). Promote detection and elimination of illicit discharges and water quality impacts associated with such discharges from municipal separate storm sewer systems.*

- Develop and distribute articles and brochures to municipalities, friends groups, community groups and neighborhood association newsletters regarding illicit discharges.
- Illicit discharge brochure in cooperation with Public Health—Madison-Dane County.

*C.(1)(b)(2). Inform and educate the public about the proper management of materials that may cause stormwater pollution from sources including automobiles, pet waste, household hazardous waste and household practices.*

- Develop environmental action list (storm drain marking, leaf management, rain garden installation, lake and stream clean up, etc.) with specific tasks for citizens, groups and others to implement.
- Seek existing BMP and other technical educational videos to demonstrate ways to minimize stormwater impacts.

*C.(1)(b)(3). Promote beneficial onsite reuse of leaves and grass clippings and proper use of lawn and garden fertilizers and pesticides.*

- Continue to implement the Love Your Lakes and Rivers, Don't Leaf Them Program.
- Continue to implement the Plant Dane Program.
- Develop grass clipping sticker and book for municipal drivers.

*C.(1)(b)(4). Promote the management of streambanks and shorelines by riparian landowners to minimize erosion and restore and enhance the ecological value of waterways.*

- Continue to implement the Plant Dane Program.

*C.(1)(b)(5). Promote infiltration of residential stormwater runoff from rooftop downspouts, driveways and sidewalks.*



- Continue to implement the Plant Dane Program.
- Continue to promote rain barrels.

*C.(1)(b)(6). Educate those responsible for the design, installation, and maintenance of the construction site erosion control practices and stormwater management facilities on how to design, install and maintain the practices.*

- Publicize trainings for contractors, inspectors and staff.
- Publicize the Dane County Erosion Control and Stormwater Management Manual.
- Promote the Wisconsin Chapter of the North American Stormwater and Erosion Control Association's events.

*C.(1)(b)(7). Educate private businesses on methods of stormwater pollution prevention.*

- Distribute letters and articles to businesses and associated groups.

*C.(1)(b)(8). Promote environmentally sensitive land development designs by developers and designers.*

- Promote the Wisconsin Chapter of the North American Stormwater and Erosion Control Association's events.

### **Municipal Responsibilities**

It is not enough for municipalities to merely be an actively paying contributor to the Partnership. There are specific actions each municipality must do. For example, while MAMSWaP has created a useful website, each municipality needs to link to [www.myfairlakes.com](http://www.myfairlakes.com). Other examples include:

- using the articles and other information developed for municipalities in municipal newsletters or utility bill inserts,
- using displays developed for municipalities,
- providing information on municipal web sites,
- issuing press releases to local newspapers, and
- implementing storm drain marking programs.

Municipalities must document in their reports to DNR how they have used the materials developed by the I&E Committee.

### **Ongoing Tasks**

The following actions are completed and/or implemented annually by the SWEC and consume a considerable amount of the half-time hours available.

1. Quarterly reporting to member municipalities.
2. Biennial reporting to DNR.
3. Bill municipalities and track payments.
4. Develop annual work plan.
5. Update/maintain website.
6. Continue salt/deicing education materials and program.
7. Continue to work with the Earth Gauge Partnership.
8. Continue to promote NASECA events.
9. Develop and distribute articles to municipalities, friends groups, community groups and

- neighborhood association newsletters.
10. Develop/provide presentations (PowerPoint, slides, overheads, etc.) focused on audience interests/concerns.
  11. Continue maintenance and use of existing list serves and distribution lists to disseminate info.
  12. Continue providing organizations and community groups assistance and partnering with projects (presentations, displays etc. for communities).
  13. Continue promoting storm drain stenciling and marking programs.
  14. Promoting the stormwater curriculum developed for MAMSWaP.
  15. Maintain distribution lists.
  16. Publicize training for building inspectors, contractors and staff.
  17. Publicize availability of the Dane County Erosion Control and Stormwater Management Manual.
  18. Promote and distribute DVD and CD.
  19. Promote use of Enviroscope model including finding instructional how-to video for potential demonstrators.
  20. Continue to coordinate outreach with the Rock River Stormwater Group.
  21. Coordinate efforts with MMSD as appropriate regarding the adaptive management pilot project in the Yahara Watershed.

**For more information, visit [www.myfairlakes.com](http://www.myfairlakes.com) or contact the Dane County Stormwater Education Coordinator (SWEC) at 608-224-3746 or [info@myfairlakes.com](mailto:info@myfairlakes.com).**

## **I&E Plan Implementation and Activities (on behalf of MAMSWaP communities) in 2013 – 2014**

### **MAMSWaP I&E Staffing**

Stormwater Education Coordinator Marcia Hartwig's last day of work with MAMSWaP was May 9, 2014. She had been with the MAMSWaP since its inception in the early 2000s. During the long vacancy of May 2014 through December 2014, Sue Jones and other Dane County Office of Lakes and Watersheds staff implemented the most important MAMSWaP I&E program elements.

### **2014-2018 I&E Inter-municipal Agreement Development**

During 2013, Stormwater Education Coordinator Hartwig led the I&E Committee in drafting the next five-year agreement, adding a chart of fees for each municipality for the entire five-year period. The final agreement reflected review comments from participating municipalities, and was signed in late 2013. The final copy with signatures is on the web at <http://www.myfairlakes.com/mamswap.aspx>.

### **I&E Committee Membership**

The Intergovernmental Agreements to Fund a Position Responsible for Stormwater Information, Education and Outreach Coordination for the Madison Area Municipal Stormwater Partnership January 1, 2009-December 31, 2013 and January 1, 2014-December 31, 2018 specify the

membership of the I&E Committee in order to represent the interests of each level of government (town, village, city, Dane County, UW-Madison) within the Partnership. The Committee generally meets a week or two in advance of the large quarterly meetings. The committee meets more often when working on grant projects or updating agreements and five-year work plans. In 2013 – 2014, the committee was ably advised by regular attendees Kathy Lake and Caryl Terrell (Madison Metropolitan Sewerage District), Laura Bub and Kim McCutcheon (WDNR), and Mindy Habecker (Dane County UW Extension). Jones spent the latter of 2014 securing commitments from Village and Town representatives to serve on the committee in future years, rounding out the full complement of representatives outlined in the intergovernmental agreement for stormwater information and education coordination.

The members going into 2015 are Tom Wilson (Town of Westport), Allan Coville (Village of McFarland), Rick Eilertson (City of Fitchburg), Rodney Scheel (City of Stoughton), Marisa Trapp (UW-Madison), and Sue Jones and Jeremy Balousek (Dane County).

Past members who served during 2013-14 are Debbie Hatfield and Genesis Steinhorst.

#### **Five-Year Work Plan**

In 2013, the I&E Committee worked with Andy Yench, UW-Extension Natural Resource Educator from the Milwaukee area who works with the 11 stormwater consortiums around the state. Together, they reviewed past MAMSWaP five-year work plans, similar work plans from other Wisconsin stormwater consortiums, administered a brief survey of MAMSWaP member municipalities and developed the next five year plan. Stormwater Education Coordinator Hartwig and Yench led the I&E Committee in drafting, coordinating review, and completing the next five-year work plan. The five-year work plan and annual work plans are on the web at <http://www.myfairlakes.com/mamswap.aspx>.

#### **Annual Workplans**

In preparing annual workplans, I&E Committee members consider: 1) required elements of the annual workplan in the 2009-2014 permit, 2) 2004 to 2018 MAMSWaP I&E Plan goals and desired outcomes, 3) 2013-2014 knowledge and behavior survey results, and 4) previous workplans. Stormwater Education Coordinator Hartwig developed the 2013 and 2014 annual work plans for the I&E Committee's review and approval as required by the intergovernmental agreement and submitted the final plan to all MAMSWaP members. Jones led the I&E Committee in completion of the 2015 workplan, and submitted the final plan to all MAMSWaP members on December 1, as required by the intergovernmental agreement.

#### **Five-Year Survey**

In 2013, the I&E Committee worked with UW–River Falls Survey Research Center (UWRF SRC) to develop and implement a survey to assist in assessing the effectiveness of the information and education components of the stormwater management program. It was similar to the surveys implemented in 2003 and 2009.

The mailed survey ended just before Thanksgiving 2013 (177 responses/955 invites for a 19% response), and the web-based survey (260 responses, open invite) wrapped up on January 1, 2014. UWRF SRC compiled and compared results which are on <http://www.myfairlakes.com/mamswap.aspx>. The Rock River Stormwater Group also

implemented the same survey in 2013 and their results can be viewed at <http://cleanwaterbrightfuture.files.wordpress.com/2013/05/rock-river-stormwater-group-2013-final-report.pdf>. Results are be used to document results, evaluate current programs, and as a tool to guide annual work plans.

#### **Annual Plant Dane! Cost-Share Program**

Through cost-sharing from the Graham-Martin Foundation, the Plant Dane! Program coordinated by MAMSWaP's Stormwater Education Coordinator provides native plants, at a greatly-reduced price, for use in rain gardens and native plantings that improve the quality of stormwater runoff.

The program

is open to schools, non-profit organizations (lake and neighborhood associations, youth groups, faith centers, clubs, etc.), municipalities and individual residents in Dane County. Interested parties complete an online order form and mail in their payment for native plants for rain gardens and other projects.

2013

The annual rain garden workshop was held on Saturday, March 2 in Verona and was in partnership with the City of Verona. Registration was again \$5. MAMSWaP members were asked to help promote this workshop, using the brochure developed by the Stormwater Education Coordinator, as well as her article for newsletters, flyers, registration forms and pertinent website links. Order deadline was March 15. Plants were delivered on Saturday, May 18, 2013. The Graham-Martin Foundation promoted the Plant Dane! program at their booth at the Garden Expo. Stormwater Education Coordinator Hartwig shared how some member municipalities had success using social media to promote the program. Participants totaled 73 and total number of plants sold was 5025, down slightly from 2012, likely because of the earlier deadline imposed by the Graham-Martin Foundation.

2014

Stormwater Education Coordinator Hartwig worked with Dane County Information Management to implement a more user-friendly website for the 2014 program, and the March 1 Workshop provided new and improved rain harvesting information. Plant delivery was May 17, 2014. Stormwater Education Coordinator Hartwig provided program links and materials, and asked members to promote the program using multiple communication channels. 2014 was a record-breaking year, with almost 11,000 plants sold to 131 participants, second only to 2006. Sue Jones and Pat Sheahan from the Dane County Office of Lakes and Watersheds, and Susan West from the Dane County Lakes and Watershed Commission staffed the plant delivery day on May 17, 2014.

#### **Love Your Lakes (and Rivers), Don't Leaf Them (LYLDLT)**

This annual program uses yard signs, brochures, flyers and beverage coasters to encourage leaf management for water quality protection among residents of member municipalities. "Leafism" messages on the coasters and printed materials include: 1) "what you do with your leaves affects your lakes," 2) "composting your leaves saves you time and money," 3) "your municipality has rules for leaf collection. Do you know what they are?" and 4) "keeping your leaves out of the street shows you care for our lakes." Staff encourages each member municipality to participate enthusiastically in this program and to share creative expansions of the core materials and concepts provided to them.



2013

Coasters were distributed by Capital Brewing to local establishments. MAMSWaP members and staff also delivered coasters. Stormwater Education Coordinator Hartwig distributed coasters, articles for neighborhood association newsletters and press releases to municipalities; delivered LYLDLT materials to member municipalities; encouraged distribution of yard signs and other materials to community residents; and created a “free take one” flyer for municipalities to post in their office lobbies to encourage resident use of these signs. Coasters, flyers, yard signs, and brochures were distributed to MAMSWaP members at quarterly and other meetings. Stormwater Education Coordinator Hartwig arranged for fliers and print ads in Isthmus Publishing, Capital Newspapers, News Publishing, Inc., Unified News Group and Hometown News Group. As a result, the following newspapers inserted LYLDLT flyers (printed by Dane County Printing and Services) in their newspapers during the height of leaf fall in October and November: Isthmus, Wisconsin State Journal, Middleton Times Tribune, Stoughton Hub, Oregon Observer, Verona Press, Sun Prairie Star, Herald Independent (Cottage Grove/Monona), McFarland Thistle, DeForest Times, and Waunakee Tribune. As in previous years, there were also a series of print ads in Capital Newspapers. Total flyers printed and inserted: approximately 118,200.

The total estimated campaign costs for 2013 was \$13,187.

2014

The I&E Committee affirmed Jones’ recommendation to repeat the 2013 successful program of newspaper inserts of the “Love Your Lakes (and Rivers), Don’t Leaf Them” flyer, newspaper print and web advertising; and coaster, flyer, yard sign, and brochure distribution.

Jones arranged for Isthmus Publishing, Capital Newspapers, News Publishing, Unified News Group, and Hometown News Group to insert Love your Lakes (and Rivers) Don’t Leaf Them flyers (printed by Dane County Printing and Services) in their newspapers during the height of leaf fall. As a result, the following newspapers inserted LYLDLT flyers: Isthmus, Wisconsin State Journal, Middleton Times Tribune, Stoughton Hub, Oregon Observer, Verona Press, Fitchburg Star, Sun Prairie Star, Herald Independent (Cottage Grove/Monona), McFarland Thistle, DeForest Times, Waunakee Tribune. The Fitchburg Star was new this year, within the Unified News Group arrangements. As in 2013, there were also a series of print ads in Capital Newspapers. Total flyers printed and inserted: 131,208. Inserts appeared in newspapers in early October. Web advertising appeared for several weeks by Capital Newspapers and Isthmus Publishing.

Other leaf campaign elements included beverage coasters delivered to local establishments by each MAMSWaP member, articles for use in each member’s publications and web sites and local newspapers, and yard signs and flyers distributed by each member. Jones arranged for the Clean Lakes Alliance to include the LYLDLT information in an email distribution to 4000 supporters.

At the September 11, 2014 quarterly meeting, Jones distributed Love Your Lakes Don’t Leaf Them beverage coasters (30,000), flyers (2,325) and yard signs (530) for use by MAMSWaP members in their communities.



Total estimated campaign costs for 2014 was \$13,883.

### **Take a Stake in Our Waters (formerly Take a Stake in the Lakes)**

2013

The I&E Committee contributed \$2,000 to Dane County's Take a Stake in Our Waters program, the now year-round series of events and volunteer projects that care for Dane County's lakes, streams and watersheds.

### **Storm Drain Marking Support**

The I&E Committee authorized purchase of storm drain markers, t-shirts and bags, and water bottles for the storm drain marking program through the Water Resource Education Center (coordinated by Mindy Habecker, Dane County UW-Extension). In 2013, 378 storm drains were marked and 357 storm drains were marked in 2014.

### **Reducing Salt Usage**

2013

Stormwater Education Coordinator Hartwig developed and distributed posters, webinar links, articles, ads and added links and resources to myfairlakes.com. Articles on reducing salt use were distributed to members for their use in local newsletters, websites, and other communications.

"Love your lakes, don't salt them" ads were in newspapers and sent to member municipalities with articles.

### **Winter Maintenance Workshops 2013**

So as not to duplicate winter maintenance and salt reduction training available through other sources, in 2013 the I&E Committee and Stormwater Education Coordinator promoted salt reduction trainings available elsewhere.

### **Winter Maintenance Workshops November 13 and 14, 2014**

Jones, working with the MAMSWaP I&E Committee, planned and implemented two half-day workshops held at the Fitchburg Library on November 13 and 14, geared toward reducing winter salt application. Of the just-over 100 individuals from the private and public sectors in attendance, more than 80 percent said that they would be able to reduce the environmental impacts of winter maintenance because of the class. Many participants committed to making concrete changes to their operations, such as calibrating their deicing equipment each year. The City of Fitchburg coordinated the deicing equipment display that was available to participants after each workshop.

The I&E Committee has requested permission from Connie Fortin of Fortin Consulting in Minnesota, lead instructor for the workshops, to post the video recordings of the two days (thanks to the City of Fitchburg for arranging this via their city cable television, FACTv) online for MAMSWaP members on the UW – Madison website for password-protected access by MAMSWaP members.

### **Multi-agency Chloride Reduction Campaign**

At the September 11, 2014 quarterly meeting, MAMSWaP agreed to financial support for a coordinated multi-partner outreach campaign focused on salt use reduction to reduce chlorides in lakes, streams and wetlands, and groundwater. Other financial partners are the Dane County Office of Lakes and Watersheds, Madison Metropolitan Sewerage District, Madison Water Utility, UW-Madison, City of Madison Engineering, and Madison-Dane County Public Health. The campaign, called “Wisconsin Salt Wise,” prompts homeowners, motorists, municipalities, emergency service providers, and private contractors to reduce their use of salt while keeping the public safe. The campaign website and two-page information flyers will soon be available for the public. MMSD’s consultant 6AM Marketing is completing the web and publication design and content, with extensive input from the partners. Dane County hosts the website.

### **Partnerships and Projects Not Already Reported**

#### North American Stormwater and Erosion Control Association (NASECA)

The I&E Committee coordinated a display at the North American Stormwater and Erosion Control Association (NASECA) workshop held Feb. 6-7, 2013 at the Lussier Heritage Center, in Madison. Dane County staff, for MAMSWaP, promoted participation at NASECA training events over 2013-14, including the March 2014 contractor workshop.

#### Rock River Stormwater Group

The I&E Committee partnered with the Rock River Stormwater Group to parallel and complement programs and materials. The two groups jointly developed and promoted outreach projects, websites, information, posters, surveys, articles, and campaigns. The groups also exchanged outreach materials, and jointly collaborated with other groups like the Rock River Coalition.

#### MMSD/Yahara WINs on Phosphorus and Chloride Reduction

Stormwater Education Coordinator Hartwig worked with Madison Metropolitan Sewerage District (MMSD) and others developing outreach materials and plans to reduce chloride and phosphorus. These stormwater outreach collaborations continue wherever possible.

#### Earth Partnership for Schools (EPS)

The I&E Committee reviewed proposals from Earth Partnership for Schools (EPS, part of the UW Arboretum) to update the stormwater curriculum as part of a larger project that EPS has been implementing across the nation.

At its October 20, 2014 meeting, the I&E committee agreed to support “Yahara Earth Partnership” curriculum development with \$1,150 in MAMSWaP programmatic funds.

#### Clean Lakes Alliance (CLA)

Stormwater Education Coordinator Hartwig attended and advised the Clean Lakes Alliance (CLA) yard care and other subcommittee meetings in 2013. Jones and the I&E Committee advised CLA in its development of its Greater Madison Yard Care Survey in October – December 2014. We shared MAMSWaP’s past five-year survey questions and results with CLA, and suggested that they incorporate similar wording of questions for easier comparison with MAMSWaP survey results. CLA shared its survey results with MAMSWaP I&E in January.

Other ongoing partnerships:

- City of Madison on leaf, phosphorus and chloride outreach
- Dane County Lakes & Watershed Commission
- Rock River Coalition
- Rock River Recovery Education and Outreach Team (TMDL I&E implementation)

**Communications, Articles, and Presentations**

Stormwater Education Coordinator Hartwig monitored and responded to myfairlakes email correspondence, posted to the Facebook account, promoted partners' stormwater training opportunities, gave presentations to school, civic and other groups; and developed articles on many topics for member municipalities' use until her departure in May 2014.

2013

Stormwater Education Coordinator Hartwig developed articles on grass clippings, salt reduction, and many other topics and distributed them to MAMSWaP members for use.

2014

Hartwig and Jones developed and distributed articles on soil testing, pet waste, spring yard runoff control, home leaf management, and illicit discharge control (in cooperation with the Rock River Stormwater Group).

Sue Jones and other Lakes and Watershed staff continued to monitor and respond to myfairlakes email correspondence, post to Facebook, promote NASECA and other stormwater training opportunities, and develop articles for member municipalities' use.

Jones presented "Madison Area Municipal Stormwater Partnership Outreach & Education in the Rock River Basin" as part of the Rock River Recovery 2<sup>nd</sup> Annual Meeting on September 17, 2014 at UW-Whitewater.

Jones collaborated with Rock River Stormwater Group to develop articles on illicit discharge prevention that were shared with members of MAMSWaP and Rock River groups for use in their communities. The Rock River Stormwater Group published "Water Quality Experts Ask for Help with "Illicit Discharges" in the Rock River Coalition fall 2014 newsletter (Rock River Reflections) with extensive distribution to Dane County resource agency groups and public information outlets.

**Advertising and Promotions**

2013

Stormwater Education Coordinator Hartwig worked with Genesis Steinhorst to create an ad for the I&E Committee to place in the Environmental Action Teams publication "Steps to Greener Living."

**Enviroscape**

The "Enviroscape" watershed model, donated for broader use by the City of Sun Prairie, has been used frequently by organizations within the MAMSWaP area to educate area residents about watersheds and urban and rural runoff, and ways to prevent water pollution.

In 2013, the Enviroscape was used several times, including by the Rock River Coalition staff for various events.

Since May of 2014, the Enviroscape loans were often coupled with Dane County Lakes and Watersheds staff leading the educational event:

- May 10, Madison Audubon's Bird City Celebration at Olin Turville Park
- July 16, Operation Fresh Start's Conservation Crew educational event at Lake Farm County Park
- July 28, Lussier Community Education Center. Program for 18 youth summer camp participants who also marked 18 storm drains with "dump no waste" markers
- August 10, Grow Academy. Program for six juvenile offenders included determination of biotic index and discussion of the water cycle.
- August 23, Upper Sugar River Watershed Association "Paddle and Pig Out" event
- September 13, Yahara River Fest in the Village of DeForest
- October 21, Friends of Cherokee Marsh at "Yelp Helps: Celebrating Everyday Heroes," event, in collaboration with Madison Nonprofit Day & Northside Planning Council
- October 29, promoted Enviroscape use to the 36 attendees at the Dane County Watershed Network Gathering meeting focused on watershed literacy
- November 10-11, used as part of "Water Explorations" after-school program for Meadowood Community Center and East Madison Community Center
- Enviroscape was reserved for several other events, for example with girl scouts in McFarland, and Catholic Multicultural Center in south Madison, but inclement weather forced a change in programming and the Enviroscape was not used.

#### **Website**

Stormwater Education Coordinator Hartwig maintained myfairlakes.com website and was constantly working with Dane County's Information Management staff to improve the site, add new materials, keep it fresh and make it more user friendly. During 2014, Jones and the I&E Committee reviewed www.myfairlakes.com content and web analytics, and made many useful suggestions that the new Stormwater Education Coordinator will address in 2015.

#### **Other Tasks Performed by the Stormwater Education Coordinator**

- Sent annual invoices to member municipalities
- Provided quarterly I&E reports to MAMSWaP members
- Attended webinars to increase knowledge of stormwater management and outreach practices and evaluation of their effectiveness
- Provided reminders to MAMSWaP members in each quarterly report and at quarterly meetings, for members to:
  - Link municipality's website to myfairlakes.com and to use updated myfairlakes logos.
  - Follow myfairlakes.com on Facebook! "Like" and "share" posts to help spread the word.



### **Assessment of Effectiveness**

At a minimum of every five years coinciding with permit reissuance, the MAMSWaP I&E Committee conducts surveys to determine the effectiveness of the program in reaching target audiences and changes in knowledge and behavior that occur in the target audiences. This survey was completed in 2014 and results are available at <http://myfairlakes.com/mamswap.aspx>.

#### **IV.a.3. (Dane County implementation)**

1. Linked from Office of Lakes and Watersheds website ( [www.danewaters.com](http://www.danewaters.com)) to MAMSWaP website ( [www.myfairlakes.com](http://www.myfairlakes.com)) and its information about the permit, survey results, etc. Promoted the Plant Dane! program from Dane County Land and Water Resources' home page ( [www.countyofdane.com/lwrld](http://www.countyofdane.com/lwrld)) and the Dane County's home page ([www.countyofdane.com/](http://www.countyofdane.com/))
2. Featured stormwater posters in first and second floor lobbies of the Lyman Anderson Agriculture and Conservation Center (the Fen Oak offices housing Dane County Land and Water Resources Department, U.S. Department of Agriculture agencies, and Dane County UW Extension), where hundreds of people visit each month for business with county and federal agencies, and for purchase of park and lake access permits, construction permits, 4H meetings, cooking classes, and other club, church, and civic meetings.
3. Promoted and distributed MAMSWaP publications in the first and second floor lobbies of the Lyman Anderson Agriculture and Conservation Center (the Fen Oak offices housing Dane County Land and Water Resources Department, U.S. Department of Agriculture agencies, and Dane County UW Extension), the Lussier Family Heritage Center and various other venues
4. Promoted MAMSWaP articles and events via Dane Stewards, the email distribution list of the Dane County Office of Lakes and Watersheds and the Dane County Watershed Network
5. Promoted the 2014 Winter Maintenance Workshops via Dane Stewards and Facebook.
6. Distributed Love Your Lakes Don't Leaf Them (LYLDT) yard signs at county offices; distributed other leaf campaign materials at the Watershed Network Gatherings
7. Encouraged County Board Supervisors to tell their constituents about availability of LYLDT yard signs and other materials.
8. Dane County hosted the meetings of the MAMSWaP I&E Committee
9. Dane County volunteers have assisted with each of the Plant Dane! plant delivery dates
10. Dane County Information Management staff have provided extensive support in revamping the MAMSWaP (myfairlakes) web site, and Plant Dane! ordering pages
11. Since printing of popular DNR and UWEX materials has been limited or discontinued, PDFs of these documents were reproduced on a CD for distribution.

#### **IV.a.4. (Dane County individual information and education activities)**

Dane County Office of Lakes and Watersheds (DCOLW) distributed its "How to Build a Rain Garden" brochure at many venues. "You're the Solution to Water Pollution" series were also distributed to friends groups, at events, front counters, and more. DCOLW also distributed brochures on rain gardens and other pertinent information that was produced by other partners.

Dane County staff led four to five technical stormwater and erosion control presentations per year to various groups, in addition to the one-on-one guidance given to permit applicants about

the requirements and benefits of controlling stormwater and construction runoff. Two urban engineers on the Dane County WRE staff are board members of the Wisconsin chapter of the North American Stormwater and Erosion Control Association (NASECA; <http://www.nasecawi.org/>), and guide the development of technical programs twice a year that are open to municipal staff and consultants serving MAMSWaP communities. LWRD staff also maintains the Dane County Erosion Control and Stormwater Management Manual as a resource for complying with countywide standards. The manual was last updated in 2014-  
[https://lwr.dane.countyofdane.com/wred/Assistance/ec\\_manual.aspx](https://lwr.dane.countyofdane.com/wred/Assistance/ec_manual.aspx).

#### **Assessment of Effectiveness**

Dane County did not have the resources to conduct a county-specific effectiveness assessment in 2013-14.

#### **IV.b.1 – 3**

The county's permit requirements and reporting were discussed as part of Sue Jones' State of the Waters Report to the County Board on June 6, 2013 and July 17, 2014.

#### **IV.b.4.**

Public information and outreach activities are described in IV.a.3-4. There were no specific public involvement activities related to Dane County facility compliance with permit requirements—all of those were internal meetings (see III.d). For the stormwater and erosion control ordinance amendments described in section IIIa and VIIa, public informational meetings and hearings were held by the Dane County Lakes and Watershed Commission, and by the County Board and its committees.

#### **IV.c.1.**

**Illicit discharge** is defined as any discharge to a municipal separate storm sewer (MS4) that is not composed entirely of stormwater except discharges authorized by a WPDES permit or other discharge not requiring a WPDES permit such as landscape irrigation, individual residential car washing, fire fighting, diverted stream flows, uncontaminated groundwater infiltration, uncontaminated pumped groundwater, discharges from potable water sources, foundation drains, air conditioning condensation, irrigation water, lawn watering, flows from riparian habitats and wetlands, and similar discharges.

**Storm sewer maps** for the Alliant Energy Center and Highway Department were reviewed in 2005 for potential cross connections of sanitary and storm sewers. This review and additional field investigations determined that there were no visible cross connections. Manhole locations were noted as were outfalls for field screening activities. The AEC map is a CAD file and provides adequate detail. To date, maps for the County Highway facility have not been updated.

**Field screening** for illicit discharges may occur two times per year on county facilities covered by this permit. These investigations will be done during dry weather periods (at least 72 hours after a measurable rainfall event of 0.1 inches or more). The inspection shall be recorded on the Visual Inspection Form (see below). Should the sampling crew identify a potential source, page two of the form shall be filled out immediately. In the event of a spill or discharge on county-owned property, the Illicit Discharge Notification Form (also included below) shall be filled out as well. Highway personnel are also encouraged to examine outfalls during their routine



maintenance activities on roads maintained in the centralized urban area covered by this permit. As part of tracking requirements, the Visual Inspection Form shall be filled out and be made available to the Water Resource Engineering Division for NR 216 reporting requirements.

In the event that the crew identifies the presence of a flow, the following procedures will occur:

1. Follow the storm drain system upstream to the next available manhole/location to isolate the area contributing the flow.
2. Make an attempt to determine the source of the flow.
3. If the source of the flow is determined to originate on the county facility, complete the Illicit Discharge Notification Form.
4. If the source of the flow cannot be determined, notify the Land and Water Resources Department (LWRD).

**Spills, dumping, or improper disposal** of wastes into the storm sewer shall be investigated and reported on the Illicit Discharge Notification Form. The appropriate actions identified in the Department spill response plan shall also be adhered to. In the event that a spill poses an imminent threat to receiving waters, notify the LWRD staff immediately.

Section 41.80(4) Dane County Code of Ordinances prohibits placement of any hazardous wastes or any toxic waste on any lands designated as a county owned or operated landfill site, unless prior written permission is obtained from the Committee.

**Educational training** on the Illicit Discharge Detection and Elimination strategy occurs on an annual basis or as determined by the designated county department staff. Pamela Dunphy, P.E., Assistant Highway Commissioner and Daniel Behrend, Highway Operations Manager, (608) 266-4011 are the contacts for the Dane County Highway and Transportation Department. Mark Clarke-AEC Director, (608) 267-3982 is the contact for the Alliant Energy Center.

**VISUAL INSPECTION FORM  
 FOR ILLICIT DISCHARGE INSPECTIONS FOR STORMSEWERS AND OUTFALLS**

**Dane County Highway and Transportation Facility: Fish Hatchery Road/City of Sun Prairie**  
 (Please circle appropriate facility)

**Dane County Alliant Energy Center**

**Name of Staff Person Performing the Inspection:** \_\_\_\_\_

**Date test is performed:** \_\_\_\_\_

**Date of last rainfall:** \_\_\_\_\_

**Amount of last rainfall:** \_\_\_\_\_ in.

**Field Screening Form**

Storm Sewer/Outfall Location	Pipe Size	Drainage Area	Receiving Waterbody	Notes/Observations

For any storm sewer/outfall that is active or has flow present, please complete the following:

Water Depth in pipe:    ft.

Total Depth (from water surface to pipe invert): ft.

Flow Velocity:    ft./sec.

Ambient Temperature:    °F

Water Temperature:    °F

pH:           

Color:  Clear  Yellow  Grey  Brown  Green   
Other   

Turbidity:  Clear  Slightly Cloudy  Cloudy  Opaque

Surface Sheen:  None  Oil  Gasoline  Scum  Unknown

Odor:  None  Oil  Paint  SO<sub>2</sub>  Fuel  
 Sewage  Decaying Vegetation  Unknown

Additional Comments/Observations: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Please contact Pete Jopke in the LWRD at 224-3733 or [jopke@co.dane.wi.us](mailto:jopke@co.dane.wi.us) upon completing this form.

## Illicit Discharge Notification Form

### For use by the Dane County Highway and Transportation Department and the Dane County Alliant Energy Center

**This form is to be completed by the investigating Department as a follow-up to any illicit discharge that is detected.**

Notifying Entity:  Highway & Transportation: Fish Hatchery Road/Sun Prairie  
 Alliant Energy Center  
 Other (please specify)

Details of Discharge:

Action Taken:

Proposed Corrective Measures:

Additional Comments:

**Please submit form to the Land & Water Resource Department, 1 Fen Oak Ct. Room 208.  
Questions can be directed to Pete Jopke at 224-3733.**

Completed By: \_\_\_\_\_ Date: \_\_\_\_\_

Name and Title: \_\_\_\_\_  
(please print)

**IV.c.3.**

None of these occurrences were reported to LWRD in 2013-14.

**IV.c.4.**

All spills are to be reported to the Dane County LWRD. Please see section c.1. above.

**IV.d.1.**

Applicants are notified verbally if sites disturb more than one acre and they are given the proper contact at DNR for more information. In addition, the county enforces standards more restrictive or equivalent to NR216 through the Dane County Erosion Control and Stormwater Management Ordinance.

**IV.d.2.**

Prior to any land disturbance occurring on a site subject to NR 151, an erosion control permit is required. This permit is applied for and reviewed at the Dane County Water Resource Engineering Division (WRE). The Water Resource Engineering Division comments on any plan deficiencies and works with the applicant to ensure that all standards are being met. Once the WRE is confident the requirements have been addressed, a review letter is drafted identifying the permit conditions. An erosion control permit is then issued, which must be posted on the project site.

**IV.d.3.**

The WRE Division enforces the county's erosion control permits. In 2013, WRE staff reviewed 952 permit applications and conducted 2086 inspections on 605 active sites. Reference the table below for additional statistics.

2013 Sites	Submittals Reviewed	Active Sites	Inspections Performed	Contacts Initiated	Noncompliance Notices Issued	Stop Work Orders Issued	Citations Issued
County Administration	775	518	1016	585	8	11	2
Local Administration with Intergovernmental Cooperative Agreements <sup>1</sup>	177	87	1070	192	1	-	-
<b>TOTAL</b>	<b>952</b>	<b>605</b>	<b>2086</b>	<b>777</b>	<b>9</b>	<b>11</b>	<b>2</b>

1. Municipalities with intergovernmental cooperative agreements with Dane County to provide plan review and site inspection services included: the Villages of Cambridge, Deerfield, DeForest, Oregon and Waunakee and the cities of Middleton, Stoughton, and Sun Prairie.

In 2014, WRE staff reviewed 933 permit applications and conducted 2453 inspections on 629 active sites. Reference the table below for additional statistics.

2014 Sites	Submittals Reviewed	Active Sites	Inspections Performed	Contacts Initiated	Noncompliance Notices Issued	Stop Work Orders Issued	Citations Issued
County Administration	771	546	1341	735	11	12	4
Local Administration with Intergovernmental Cooperative Agreements <sup>1</sup>	162	83	1112	139	1	-	-
<b>TOTAL</b>	<b>933</b>	<b>629</b>	<b>2453</b>	<b>874</b>	<b>12</b>	<b>12</b>	<b>4</b>

1. Municipalities with intergovernmental cooperative agreements with Dane County to provide plan review and site inspection services included: the Villages of Cambridge, Deerfield, Oregon and Waunakee and the cities of Middleton, Stoughton and Sun Prairie.

For specific information on sites, please contact the Water Resource Engineering Division.

**IV.d.4.**

1. Jeremy Balousek, WRE Division Manager, 5201 Fen Oak Drive, 224-3747, [balousek@countyofdane.com](mailto:balousek@countyofdane.com), Plan review, inspection, technical support
2. Christal Campbell, Stormwater Education Coordinator, 5201 Fen Oak Drive, 224-3746, [campbell.christal@countyofdane.com](mailto:campbell.christal@countyofdane.com), information and education, outreach
3. Josh Harder, Erosion Control Engineer, 5201 Fen Oak Drive, 224-3748, [harder@countyofdane.com](mailto:harder@countyofdane.com), Plan review, inspection, technical support
4. Angela Mayr, Conservation Specialist, 5201 Fen Oak Drive, 224-3737, [mayr@countyofdane.com](mailto:mayr@countyofdane.com), Plan review, Ordinance Enforcement
5. John Reimer, Stormwater Engineer, 5201 Fen Oak Drive, 224-3612, [reimer.john@countyofdane.com](mailto:reimer.john@countyofdane.com), Plan review, lake levels, modeling
6. Ryan Shore, Urban Erosion Control Analyst, 5201 Fen Oak Drive, 224-3738, [shore@countyofdane.com](mailto:shore@countyofdane.com), Plan review, inspection, technical support
7. Jessica Starks, Erosion Control Specialist, 5201 Fen Oak Drive, 224-3647, [starks@countyofdane.com](mailto:starks@countyofdane.com), Plan review, Ordinance enforcement
8. Jason Tuggle, Erosion Control Specialist, 5201 Fen Oak Drive, 224-3735, [tuggle.jason@countyofdane.com](mailto:tuggle.jason@countyofdane.com), Plan review, Ordinance enforcement

**IV.d.5.**

One hundred percent of erosion control plans meet the requirements of NR 151. Implementation and maintenance drop off significantly as a function of the amount of enforcement time that is available. For enforcement efforts, please see d.(3) above.

**IV.e.1.**

Process is the same as d.(1) above.

**IV.e.2.**

Process is the same as d.(3) above, although the stormwater inspection is typically the last erosion control inspection. The WRE Division enforces the county's erosion control permits. In 2013 and 2014, 4539 site inspections were conducted resulting in the issuance of 29 enforcement



actions (stop-work orders and citations), including referrals to corporation counsel for erosion control violations countywide. Several were NR216 permitted sites. For specific information on sites, please contact the Water Resource Engineering Division.

**IV.e.3.**

Same staff and duties as in d.(4) above.

**IV.e.4.**

Since October of 2004 the county has been enforcing all of the requirements of NR 216. Compliance with the county's standards is very good and is improving as more emphasis is being placed on site inspections and technical assistance.

**IV.f.1.**

**Pollution Prevention Policy and Management for Dane County Facilities**

**Pollution Prevention-** Source reduction and other practices that reduce or eliminate the creation of pollutants.

The two county facilities covered by this permit are:

**Dane County Highway Garage-Fish Hatchery Road Site**

This site serves as the central operations unit for various satellite locations throughout Dane County.

**Alliant Energy Center (AEC)**

There are over 500 events held at the Alliant Energy Center every year, attracting approximately one million visitors. The center consists of multiple venues with the main buildings being the Veterans Memorial Coliseum and the Exhibition Hall.

**Stormwater BMPs/Management**

Overall, operations at all facilities appear to meet the general requirements for pollution prevention per NR 216 requirements. Staff from Water Resource Engineering and the affected entities continue to address runoff concerns and coordinate on annual reporting requirements. A sediment basin has been designed for the area between the cattle barns.

Dane County Highway and Transportation construction and maintenance projects follow best management practices and are permitted through the following agencies as appropriate: Dane County Land Conservation, Wisconsin DNR, and US Army Corps of Engineers.

Highway equipment purchases include specifications for pollution control devices and staff applies yearly for upgrades to these devices through state and federal grants. In the past, Highway received grant funding to add upgraded and innovative pollution control devices on its equipment.

Field crews who maintain the roadways also collect trash and other debris on a routine basis. The material is brought back to the Highway Garage site and placed in collection facilities for disposal in the landfill. The amount of trash collected from the county highways is not quantified.

Vehicle maintenance procedures are performed at the Fish Hatchery Road site. All waste fluids are placed in a double-walled containment facility. There are no other materials onsite in quantities that would require hazardous material handling/storage certification.

Through November 1, 2012, the Dane County/City of Madison recycling and drop off center (Clean Sweep) was located on the north end of the Fish Hatchery Road property (2302 Fish Hatchery Road). The facility was monitored via a security camera and is secured via a chain link fence. Hours for drop off were posted at the site in addition to a sign referencing Chapter 41 Dane County Code of Ordinances relating to illegal dumping. As of November 1, 2012 the Clean Sweep facility located on Fish Hatchery Road was permanently closed and cannot accept any materials. On May 1, 2013 Dane County opened a new year-round facility located at 7102 US Hwy 12, Madison WI 53718, (Beltline/12/18 East toward Cambridge) across from the Yahara Hills Golf Course at the Dane County Landfill.

The AEC grounds and associated parking lots are swept frequently and after each event. The solids and trash are land-filled. Manure collected during events involving animals is collected and placed in dumpsters where it is also landfilled. In 2013 80 tons of salt were used and in 2014 30 tons of salt were used.

AEC fleet maintenance is performed onsite. Waste fluids are disposed of onsite in a collection facility. This facility will be upgraded to a double walled tank as soon as budget considerations allow.

Various hazardous materials are used at AEC, but the majority are considered household type and are kept in small quantities. There is an ammonia plant, which requires an EPCRA plan.

#### **IV.f.2.**

Various maintenance is performed at a few locations on the AEC grounds after each event. Most material is considered to be trash with limited amount of solids. An estimated 1/2 ton of trash is collected each year as part of cleanup efforts on the grounds.

#### **IV.f.3.**

Street sweeping is done on the Beltline Hwy. Spring and fall collection is performed by a private contractor. Street sweeping occurs up to two times per year (spring/fall) on the major highways located within the centralized urban area covered by this permit. The collected material is hauled to the Dane County Landfill. Sweeping is also conducted at the garage site on a periodic basis. State Highway sweeping includes Beltline to Middleton to I 39/90, USH 18/151-Midvale Blvd to CTH PD, USH 14-Badger Road to McCoy Road, STH 30-Packers Ave. to I39/90, USH 51-McFarland to I39/90/94, USH 151 East Springs Drive to Sun Prairie, and I39/90-USH 12/18 to STH 30 (median wall). County Highway sweeping includes CTH MC Beltline to Wingra Creek, CTH MM-CTH MC to USH 14, CTH D-Wingra Creek to Lacy Road, and CTH PD-CTH D to Nesbit Road.

An estimated 375 tons of solids is collected annually and disposed of at Rodefild Landfill (7102 USH 12&18, Madison, WI 53718). Field crews who maintain the roadways also collect trash and other debris on a routine basis. The material is brought back to the Highway Garage site and

placed in collection facilities for disposal in the landfill. The amount of trash collected from the county highways is not quantified.

**IV.f.4.**

From January 1, 2013 through December 31, 2013 82,263 tons of salt was used county-wide. 261,861 gallons of salt brine and 9936 tons of sand were used during that same period. From January 1, 2014 through December 31, 2014, 50,748 tons of salt was used county-wide. 208,566 gallons of salt brine and 8012 tons of sand were used during that same period.

The county tracks salt usage and reports it annually. NOTE-Salt usage within urbanized areas is not calculated. All rates/tons used are reported as a county-wide use. Salt applications are computer-calibrated to minimize overuse.

Dane County Highway follows the procedures and guidelines set forth in the Wisconsin Department of Transportation Highway and Maintenance Manual for both WisDOT and County Highways.

**IV.f.5.**

On occasion snow will be hauled offsite from the Fish Hatchery shop location and roadways to improve visibility and safety. The material is hauled to Aces Pit (adjacent to the Town of Oregon Recycling Center) located at 1067 Storytown Road, Oregon, WI 53575 (¼ mile south of Lincoln Road in the Town of Oregon). On occasion, snow may also be hauled to the Badger Salt Shed site at 3650 CTH T, Madison, WI 53596 when removed from USH 51. In emergency situations snow is hauled to the Park and Ride in Middleton located at the US 12.

Highway staff maintain a 200-foot-wide grass filter strip around the snow piles.

**IV.f.6**

Salt is stored at the following sites around the county. All sites have salt stored undercover and are managed according to Trans 277 Wis. Adm. Code.

**Madison**  
 2302 Fish Hatchery Rd  
 Madison, WI 53713

**Mt. Horeb**  
 9932 USH 18/151 Bus.  
 Mount Horeb, WI 53572

**Stoughton**  
 2520 CTH B  
 Stoughton, WI 53589

**Springfield**  
 6159 USH 12 53529  
 Dane, WI 53529

**I-39 Shed**  
 I-39 WB MM 149.5  
 Stoughton, WI 53589

**River Road Shed**  
 4587 STH 19  
 DeForest, WI 53532

**Siggelkow Shed**  
 2831 USH 12  
 McFarland, WI 53558

**Badger Shed**  
 3650 CTH T  
 Madison, WI 53596

**York Shed – CTH V**  
 1274 Greenway Rd  
 Columbus Wi 53925

**IV.f.8.**

To provide a method of recycling yard waste, Dane County operates a yard waste compost site located across the street from Yahara Hills Golf Course, 7102 Hwy. 12 & 18 one-half mile east of I-90. The compost site is available for Dane County residents to bring **non-woody** yard waste. All material must be removed from bags prior to dumping. There is no charge for dropping off material.

**IV.f.9.**

The county complies with the county-wide ordinance (Ch. 80, Dane County Code of Ordinances) banning unnecessary use of phosphorus in lawn fertilizer. Nitrogen-based pellets are used as a fertilizer at AEC. The statewide ban on phosphorus in lawn fertilizer, modeled on Dane County's ordinance, went into effect on April 1, 2010.

**IV.f.10.**

Herbicides are used in limited quantities on the AEC grounds. Annual training is provided for the groundskeeper and all manufacturers' instruction for use and disposal are followed. Herbicides are used to control weed and grasses on the paved areas.

There is limited use of pesticides or herbicides to control vegetation that has been cut by the Dane County Highway and Transportation Department. Department staff responsible for this work have been trained and taken the licensure test.

Of note is also a county-wide policy: Dane County Parks' Integrated Pesticide Management Plan (available from Parks staff).

**IV.f.11.**

See IV.f.9 and 10.

**IV.g.1.**

Although the county is currently meeting the 40% TSS reduction on its permitted properties, additional sediment control practices have been installed at the Alliant Energy Center. Several sediment basins have been constructed as part of facility upgrades.

**IV.g.2.**

The county has inventoried its sites and has a plan to improve the efficiency of the stormwater facilities as funding or renovations allow.

**V.c. (storm sewer outfall documentation)**

LWRD has documentation for the Highway Garage and AEC storm sewer systems, and they are maintained by other county staff. A CAD specialist at Dane County Public Works keeps the official records.



Department of Public Works  
**City Engineering Division**

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**City Engineer**

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**TO:** WDOT, District 1—Wendy Braun, Erik Otterson  
WDNR (South Central Region)—Eric Rortved, Laura Bub  
University of Wisconsin—Marisa Trapp  
Dane County Land Conservation—Kevin Connors, Pat Sutter, Jeremy Balousek  
Dane County Office of Lakes and Watersheds—Sue Jones, Marcia Hartwig  
Dane County Capital Area Regional Planning Commission—Mike Kakuska  
City of Fitchburg—Paul Woodard, Rick Eilertson, Felipe Avila  
City of Madison—Rob Phillips, Mike Dailey, Greg Fries, Genesis Steinhorst  
City of Middleton—Kevin McNulty, Gary Huth  
City of Monona—Daniel Stephany  
City of Stoughton—Rodney Scheel  
City of Sun Prairie—Daryl Severson  
City of Verona—Ron Rieder, Martin Cieslik  
Town of Blooming Grove—Mike Wolf, Tony Reigstad  
Town of Burke—Brenda Ayers  
Town of Madison—Rick Rose  
Town of Middleton—David Shaw  
Town of Westport—Tom Wilson  
Town of Windsor—Kevin Richardson  
Village of Cottage Grove — James Hessling  
Village of DeForest—Deane Baker  
Village of Maple Bluff—Tom Schroeder  
Village of McFarland—Allan Coville, Don Peterson  
Village of Shorewood Hills—Karl Frantz  
Village of Waunakee—Kevin Even  
AECOM—Jennifer Hurlbaas (Westport, Waunakee), Kelly Mattfield (Burke), Theran Jacobson (Verona)  
Mead & Hunt, Inc.—Anne Anderson, Tim Astfalk (Blooming Grove)  
MSA Professional Services, Inc. — Eric Thompson  
Nahn & Associates—Chuck Nahn (Town of Madison, Maple Bluff)  
Strand Associates, Inc.—Jon Lindert (UW-Madison)  
Town & Country Engineering, Inc.—Brian Berquist, John Jenkins, Mark Barden (Shorewood Hills, McFarland)  
Vierbicher Associates, Inc.—Sarah Church (Monona, Town of Middleton, DeForest)  
Madison Metropolitan Sewerage District—Dave Taylor, Kathy Lake

Also: Jim Bachhuber, Brown & Caldwell  
(*underlined names indicate present at meeting*)

**RE:** Minutes for the Madison Area Municipal Storm Water Partnership Meeting

**DATE:** August 6, 2013

**LOCATION:** 1600 EMIL ST (City Engineering Field Office Training Room)

1. *Update on state budget bill: changes to stormwater quality requirements/erosion control*  
Eric Rortved handed out the revised language in Assembly Bill 40 – 2013 Wisconsin Act 20 (portion attached), which includes uniform standards instead of minimum standards for non-ag construction and post-construction stormwater management. There was an animated discussion about what the language means and how the DNR will enforce it. Thus far there has been no guidance handed down as to how it will be implemented and what the requirements of municipalities will be. We will find out in due time, likely not sooner than 2-3 months. Municipalities should continue business as usual in the mean time. If there are any legal challenges, municipalities should contact DNR.

General discussion included reference to the language that discussions exceptions to the rule that



August 8, 2013

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municipalities cannot be stricter than the uniform standards (Section 2029e, page 514): (1) Control storm water quantity or control flooding; (2) Comply with federally approved total maximum daily load requirements. This leads one to think that as we are required to comply with the Rock River TMDL, these restrictions will not apply to most of the MAMSWaP group, however, we will know more when formal guidance is issued by DNR. The guidance document will require a 30 day public notice and signature by the Bureau Director at a minimum, so it will not be available in the very near future.

## 2. *Update on Yahara WINS*

Dave Taylor gave a quick summary of the ongoing work of the YaharaWINS adaptive management pilot program. The most recent a semi-annual report distributed to Yahara WINS participants by email and is also available on the [YaharaWINS website](#).

There is lots of good data coming out of the USGS monitoring stations in the pilot project area related to phosphorus loadings, including data from runoff events that happened last winter. Kathy Lake is establishing a citizen monitoring program: this baseline data will be important as we move forward. The pilot project is spending a lot of effort trying to establish accurate baseline information for all sources (traditional point sources, municipal stormwater, & agriculture).

MAMSWAP members are encouraged to update their modeling efforts to make sure that the pilot project is using accurate information for the purpose of calculating load reductions and costs. It is important for municipalities to continue to track practices they install.

Several questions were sent to Eric Rortvedt via email regarding the tracking of mass for MS4 permit compliance by municipalities participating in the YaharaWINS adaptive management program. Eric expects to soon have an email response back to the questions.

Yahara Pride, a farmer-run group in the pilot project area, is testing a certification program on their board members, and hired two advisors. This is promising. YaharaWINS helped fund some phosphorus reduction demo projects both in the pilot testing area as well as with the City of Madison/USGS leaf collection study.

Municipalities should contact Dave if they have adaptive management pilot program budget questions for 2014.

## 3. *Info & Education update*

Last Friday, Marcia sent out (what should be) the final version of the intergovernmental agreement. The final-final version is attached. Please route for signatures, and SEND MARCIA THE ORIGINAL, HARDCOPY VERSION. She will scan the signatures, but SHE NEEDS THE ORIGINALS. Please.

The I&E committee made a wonderful decision to get cool t-shirts and bags for people who volunteer to do storm drain marking. If you have a group interested in doing this, they should contact Mindy Habecker at UW-Extension (224-3718, [habecker@co.dane.wi.us](mailto:habecker@co.dane.wi.us)). See pictures on the next page!!

The committee is working with the Rock River Stormwater Group on creating another survey – we will be doing a mail version but will also be sending out an electronic link to the group to forward to any of your distribution lists, etc. Keep an eye out for this.

More I&E updates are attached. Also, Gary Huth agreed to bring cookies next time.

T-shirts provided to volunteers  
doing storm drain marking.  
*Pictures courtesy of Clean Lakes Alliance*



# MAMSWaP I&E Update

Tuesday, August 6, 2013

*Respectfully submitted by Marcia Hartwig, Madison Area Municipal Storm Water Partnership (MAMSWaP) Storm Water Education Coordinator, 608-224-3746, [hartwig@countyofdane.com](mailto:hartwig@countyofdane.com). Please to contact me with questions.*

**CONSULTANTS AND MUNICIPAL REPRESENTATIVES:** *Please make this report available to your municipalities.*

## **Five-Year I&E Intergovernmental Agreement Development**

The final draft of the five-year agreement was sent to municipalities in July. A couple of late edits including a request to remove the Affirmative Action language were received and a revised final draft was then sent to municipalities. Once final approval is given by all municipalities, a final copy will be sent and signatures can be obtained. Please send the signature pages (originals, not scans or fax) to me. Once all signatures are received, I will make a pdf of the entire document with signatures to put on [myfairlakes.com](http://myfairlakes.com).

## **Five-Year Work Plan**

The I&E Committee continues to work with Andy Yench, UWEX Natural Resource Educator, drafting the next five-year work plan. We still anticipate a final draft by the end of the year.

## **Five-Year Survey**

The I&E Committee has begun working with UW–River Falls Survey Research Center to develop and implement a survey per the permit language requiring assessment. It will be similar to the surveys implemented in 2003 and 2009. Results will be used to evaluate current programs, as a tool to guide annual work plans.

## **Storm Drain Marking Support**

The I&E Committee authorized purchase of storm drain markers, t-shirts and bags for the storm drain marking program through the Environmental Resource Center (coordinated by Mindy Habecker, Dane County Extension).

## **Partnerships**

We're continuing to collaborate with MMSD/Yahara WINs on potential chloride outreach; NASECA promoting their events; Rock River Recovery Education and Outreach Team (TMDL I&E) planning some forums in September; and the Rock River Stormwater Group coordinating on articles, "Renew the Rock" campaign and possibly the survey. The Rock River Stormwater Group (RRSG) has a new consultant (Jason Valerius, MSA) that has begun implementing RRSG's new workplan.

## **Love Your Lakes, Don't Leaf Them**

It's that time of year. We have yard signs, brochures, flyers and coasters. The coasters will again be distributed by Capital Brewing. We'll distribute articles for neighborhood association newsletters and press releases to municipalities for distribution. Please let me know how many yard signs, flyers and brochures your municipality needs and I'll get them to you. The I&E Committee is deciding what other media we'll be implementing this year. Be sure to make the yard signs available to your residents.

## **Reminders**

- New address since last fall: **5201 Fen Oak Drive, Madison, 53718-8827.**
- Link to [myfairlakes.com](http://myfairlakes.com) from your e sure your municipality's website using the new logo.
- Follow [myfairlakes.com](http://myfairlakes.com) on Facebook! "Like" and "share" posts to help spread the word.

- The I&E Committee is looking for volunteers from villages and towns to participate in the committee. Contact me if you are interested in serving on this committee. The I&E Committee generally meets a week or two in advance of the large quarterly meetings.
- The Madison Area Municipal Storm Water Partnership meets quarterly, the first Tuesday of February, May, August and November. Remaining meetings in 2013: November 5.



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**TO:** WDOT, District 1—Wendy Braun  
WDNR—Eric Rortvedt, Laura Bub (South Central Region)  
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Dane County Land Conservation—Kevin Connors, Pat Sutter, Jeremy Balousek  
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Village of Shorewood Hills—Karl Frantz  
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MSA Professional Services, Inc. – Eric Thompson  
Nahn & Associates—Chuck Nahn (*Town of Madison, Maple Bluff*)  
Strand Associates, Inc.—Jon Lindert (*UW-Madison*)  
Town & Country Engineering, Inc.—Brian Berquist, (*Shorewood Hills, McFarland*)  
Vierbicher Associates, Inc.—Sarah Church (*Monona, Town of Middleton, DeForest*)

**RE:** Madison Area Municipal Storm Water Partnership Meeting Minutes

**DATE:** February 11, 2014

**TIME:** 1:00 PM

**LOCATION:** 1600 Emil St – Training Room

**1. Public Notice for MS4 Permit (Rortvedt)**

There is currently a public notice for comments on two General Permits – that for new permittees, and another for permit renewal. Even though we have an Individual Permit, MAMSWaP representatives are urged to review the language of these permits, specifically regarding the TMDL language and the fact sheet, as it may be similar to the language in our next permit. Comments on the public noticed MS4 general permits need to be sent to Jim Bertolacini and received by 4:30 p.m. on March 14, 2014. There will be two upcoming webinars from Jim



Bertolacini on the permit language for existing permittees on Feb. 25 and new MS4 permittees on Feb. 27.

Eric anticipates that a permit modification to the Madison Area MS4 group permit may be needed before this fall (and before the entire permit is reissued) in order to replace the TMDL implementation language in the current permit with the TMDL implementation language that is proposed in the proposed MS4 general permits. The permit modification would require a 30 day public comment period for that section only. The DNR does not need to open up the entire permit for public comment. Our current permit expires June 30 of this year; Eric will send out a letter template for each municipality to complete and sign to indicate an interest in renewing the group individual permit. If municipalities feel they are missing out on something by being a part of the individual permit as opposed to the general permit, they should speak to Eric about any proposed language changes. Most of the differences are in coordinating the group dynamic and collaborating on requirements for I&E.

## 2. *Yahara WINS update (Taylor)*

Dave indicated the 2013 Yahara WINS report will be released shortly; he is waiting for some data from other agencies. This year will bring advancement in getting practices on the ground. Previous years were focused on getting monitoring in place. There are a couple of funding sources available this year that should allow for plenty of progress.

There will be another Yahara WINS grant funding opportunity announced in late February for urban and rural projects (similar to last year's reverse auction). There is \$50k allocated—up to \$15k for each project. The goal is to get projects funded that will reduce phosphorus loading. Funding should be awarded in late April.

Citizen monitoring will be put in place both within and outside the pilot project in an effort to build capacity for a potential transition to a full scale adaptive management project. A primary focus of the pilot project this year will be getting phosphorus reduction practices installed. Yahara WINS has contracted to extend the Yahara CLEAN SWAT analysis to the entire Yahara Watershed—this will help us better characterize baseline phosphorus loads, particularly on the agricultural side.

There was a question about the difference between adaptive management and pollutant trading. The DNR has put out a handbook that Dave will link to on the Yahara WINS web page, accessible via [www.madsewer.org](http://www.madsewer.org). Dave indicated that he has been consistent in encouraging all WINS participants to continue evaluating all compliance options so that they can make an informed decision regarding whether to participate in a full scale adaptive management project. MMSD continues to do the same analysis. Presently, if a full scale adaptive management program does not move forward, MMSD would look at pollutant trading before determining whether to pursue a brick and mortar upgrade.

There was another question regarding farmer participation and the soil testing inventory. To date, 70% of the fields in the pilot area have been inventoried, with the goal of completing inventories on the remaining farms in the pilot project this year.

## **CHLORIDES/SALT**

Dave Taylor spoke briefly about chlorides. He indicated that this is a major issue for the District and stated that the District typically sees high concentrations in effluent during winter months, with these concentrations linked to road salt usage. There was a brief discussion about road salting. Dave also indicated that there are other major sources of chlorides, including water softening. The District is working on a number of chloride reduction initiatives and will be looking for opportunities to partner with customer communities on chloride reduction initiatives.

May 5, 2015

Page 3

## MAMSWaP I&E Update

*Respectfully submitted by Marcia Hartwig, Madison Area Municipal Storm Water Partnership (MAMSWaP) Storm Water Education Coordinator, 608-224-3746, [hartwig@countyofdane.com](mailto:hartwig@countyofdane.com). Please to contact me with questions.*

**CONSULTANTS AND MUNICIPAL REPRESENTATIVES:** *Please make this report available to your municipalities.*

### Five-Year I&E Intergovernmental Agreement

The final copy with signatures is now on the web at <http://www.myfairlakes.com/mamswap.aspx>.

### Five-Year Work Plan

The five-year work plan and annual work plan are finalized and on the web at <http://www.myfairlakes.com/mamswap.aspx>.

### Five-Year Survey

The I&E Committee continues working with UW–River Falls Survey Research Center to complete a survey per the permit language requiring assessment. The mailed survey ended just before Thanksgiving (177 responses/955 invites for a 19% response), and the web-based survey (260 responses, open invite) wrapped up on January 1, 2014. UWRf SRC is now compiling and comparing results. RRSg also implemented the same survey last fall. Results between the two groups will be compared, used to evaluate current programs, and as a tool to guide annual work plans.

### Partnerships and Projects

MMSD/Yahara WINS on phosphorus reduction

City of Madison on chloride outreach

Rock River Stormwater Group on articles, “Renew the Rock” campaign, leaf campaign and the survey.

NASECA promoting their events—contractor workshop coming up next month.

<http://www.nasecawi.org/events/upcoming-events/march-2014-permit-compliance/>

### Plant Dane! Cost-Share Program

New website is finally live: <http://www.myfairlakes.com/PlantDane.aspx>

Plant species available: [http://www.myfairlakes.com/pdf/GMF\\_Species.pdf](http://www.myfairlakes.com/pdf/GMF_Species.pdf)

March 1 Workshop: [http://www.myfairlakes.com/pdf/Plant\\_Dane\\_workshop\\_brochure.pdf](http://www.myfairlakes.com/pdf/Plant_Dane_workshop_brochure.pdf)

Delivery: May 17, 2014, 8-9 a.m. at 5201 Fen Oak Drive, Madison

New and improved rain harvesting will also be a part of the workshop this year. Contact me if you need me to resend any of the links or materials. PLEASE promote this as many ways as you are able.

### REMINDERS

- Link to [myfairlakes.com](http://www.myfairlakes.com) from your e sure your municipality’s website using the new logo.
- Follow [myfairlakes.com](http://www.myfairlakes.com) on Facebook! “Like” and “share” posts to help spread the word.
- The I&E Committee is looking for volunteers from villages and towns to participate in the committee. Contact me if you are interested in serving on this committee. The I&E Committee generally meets a week or two in advance of the large quarterly meetings.
- The Madison Area Municipal Storm Water Partnership meets quarterly, generally the first Tuesday of February, May, August and November unless there’s a conflict.



## Department of Public Works City Engineering Division

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**Financial Officer**  
Steven B. Danner-Rivers  
**Hydrogeologist**  
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**TO:** WDOT, District 1—Wendy Braun  
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City of Monona—Daniel Stephany  
City of Stoughton—Rodney Scheel  
City of Sun Prairie—Daryl Severson  
City of Verona—Ron Rieder, Martin Cieslik  
Town of Blooming Grove—Mike Wolf, Tony Reigstad  
Town of Burke—Brenda Ayers  
Town of Madison—Rick Rose  
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Town & Country Engineering, Inc.—Brian Berquist, John Jenkins, Mark Barden (*Shorewood Hills, McFarland*)  
Vierbicher Associates, Inc.—Sarah Church (*Monona, Town of Middleton, DeForest*)

*Dave Taylor, MMSD; Jim Bachhuber, AECOM*

*Highlighted names indicate present*

**RE:** AGENDA for the Madison Area Municipal Storm Water Partnership Meeting

**DATE:** February 20, 2013

**TIME:** 9:00AM

**LOCATION:** 1600 EMIL ST (City Engineering Field Office Training Room)

### MINUTES

#### *1. TMDL/NR151 Coordination*

A recent meeting of DNR and City of Madison staff (Greg Fries) addressed some questions about the overlapping regulations of NR151, the Rock River TMDL, and Adaptive Management. While the 40% TSS removal requirement in NR151 is no longer enforceable, the TMDL waste load allocations assume that a regulated entity has already achieved that reduction (40% is the TMDL baseline). Also, the 40%

was never taken out of NR151 code; rather, law was included in the budget act prohibiting WDNR from enforcing current Administrative code. However, a future administration may just as easily strike that line of law to allow enforcement of the 40% TSS reduction again.

The fact that the TMDL, and therefore Adaptive Management, assume a baseline of 40% TSS reduction may have significant implications for participating municipalities. It is the intention of the DNR to require that the 40% removal rate be achieved either within a municipality's own boundaries, or be met through an approved urban-to-urban trade. Urban TSS is a surrogate for multiple other pollutants which are generally different from the pollutants in agricultural TSS. The work to achieve the 40% can be done concurrently with participation in the Adaptive Management program.

The math to calculate NR151 and the TMDL requirements is extra complicated due to the differences in objectives for the two regulations. NR151 regulates the urban stormwater discharge from a MS4, while a TMDL is focused on the in-stream water quality. This means municipal boundaries and regulated areas within the boundaries may differ between the two regulations. Among DNR staff there are differing levels of understanding of the importance of clarifying the rules.

It will be important for municipalities to maintain up-to-date pollutant discharge information (TSS and TP), especially for the Adaptive Management program. They should also note any changes to their boundaries and areas that should not have been used in the Rock River TMDL waste load allocation calculations. For example, if a major state highway runs through a municipality, that area should be allocated to the county or state not that municipality.

Success will likely be measured as a combination of in-stream monitoring and modeling. However, if a stream shows market improvement through monitoring, the TMDL for that reach would be achieved even if the waste load allocation has not.

There are still some technical and language issues that need to be resolved about TMDL requirements, etc. The TMDL work group should be meeting in the near future (March?) and some of this can be discussed/ decided on and create a pragmatic approach for municipalities to come into compliance.

Dave Taylor wanted to stress the importance of timelines as well. It is possible an entity in the upper reaches of the watershed could come into compliance in the 10-15 year timeframe, while other areas will require longer, for example.

There was a question about what would happen if as much work as possible is done and the stream quality is still not at TMDL numbers. There ARE certain regulatory solutions such as use attainability analysis, though it is a lengthy process and would only be proposed after a significant amount of work had been completed.

## *2. Data requests from municipalities*

The Clean Lakes Alliance will be requesting data from municipalities regarding projects completed in 2012 (and their efficiencies), among other source reduction efforts they would like to volunteer. A separate request will be sent to municipalities; it is voluntary to provide any data. However, similar data will be requested for the Adaptive Management program, and it will be important to keep the data as current as possible throughout the program so municipalities are receiving credit for practices and we can track progress.

## *3. Map updates*

February 21, 2013

Page 3

Most municipalities have either indicated they will not be submitting watershed boundary updates or have already submitted the updates. If Genesis has not heard from you, she will assume you have no changes.

#### *4. Info & Education updates*

MAMSWaP I&E group is partnering with the Rock River Stormwater Group on I&E efforts. No specific collaborative projects have been identified yet, but that group is in the process of hiring a coordinator and it is possible future joint projects will occur.

The I&E team is looking for a few good people to join them and to add their perspectives on public information projects, education, etc. There are no representatives from Towns or Villages – we would love to hear from these groups.

A request for comments on the 5-yr intergovernmental agreement will be going out soon. The final agreement should be signed by the end of the year. We will also require a new 5-year work plan; Andy Y. from UW-Extension will assist.

Plant Dane has an earlier deadline this year. This Friday is the deadline for signing up for the workshop, which will be held in Verona this year. Plant orders are due MARCH 15.

An I&E reporting guideline was handed out. Municipalities can use it as they wish when they complete their biannual report.

#### *5. Chlorides*

Dave Taylor reported that there has been a steady increase in chloride levels at MMSD, and a peak of over 500 mg/L was detected February 9<sup>th</sup> of this year. He is asking for any suggestions on how to reduce the amount of salt getting into the sanitary system, though surface water is also plagued by elevated chloride levels. Possible remediation might include tightening up manholes in low lying areas or investigating where all parking ramps and/or loading docks drain. Private salt applicators are likely another source. Email Dave or Kathy with ideas; he will be looking forward to working with municipalities on addressing this issue, and hopes to have a plan in place within 5-6 months.

The end



## MAMSWaP I&E Update

Tuesday, February 5, 2012

*Respectfully submitted by Marcia Hartwig, Madison Area Municipal Storm Water Partnership (MAMSWaP) Storm Water Education Coordinator, 608-224-3746, [hartwig@co.dane.wi.us](mailto:hartwig@co.dane.wi.us). Please feel free to contact me with questions.*

**CONSULTANTS AND MUNICIPAL REPRESENTATIVES:** *Please make this report available to your municipalities*

### Fostering Partnerships

We're continuing to collaborate wherever possible regarding stormwater outreach with MMSD/Yahara WINS, NASECA, Rock River Recovery Education and Outreach Team (TMDL I&E), Rock River Stormwater Group, etc. We will have a display at NASECA, Feb. 6-7, 2013 at the Lussier Heritage Center, in Madison. The I&E Committee met with the Rock River Stormwater Group to discuss the potential for partnering. We've exchanged outreach materials and will discuss what opportunities might exist after they've hired an outreach coordinator, which will be in the next month or so.

### Reducing Salt Usage

I've sent out posters, webinar links, articles, ads and added links and resources to [myfairlakes.com](http://myfairlakes.com). Be sure to report on your annual report to DNR how you've used these items. If you thought something worked especially well, please let me know. If you'd like other tools, also let me know that.

### Five-Year I&E Inter-municipal Agreement Development

The I&E Committee has been drafting the next five-year agreement. There are no substantive changes at this point. We're working to add some further detail including a chart of fees for each municipality for the entire five-year period.

#### 2014-2018 Intergovernmental Agreement Drafting Timeline

February 2013	Send 2009-2013 agreement and 2014-2018-draft developed by I&E Committee to municipalities for review
March-April	Incorporate edits, if any
May	Final draft to municipalities for final review
June-August	Collect signatures
November	Distribute final agreement with signatures

### Five-Year Work Plan

I'll meet with UWEX (Andy Yench) next month to discuss development of the next five-year work plan. He anticipates that the I&E Committee can develop the new five-year plan over the summer and have a final draft by the end of the year.

### Plant Dane! Cost-Share Program

The Plant Dane! Cost-Share Program is in full swing. Interested parties complete an online order form and mail in their payment. Order deadline is March 15. Plants will be delivered on Saturday, May 18.

The annual rain garden workshop is scheduled for Saturday, March 2 in Verona and is in partnership with the City of Verona. Registration is again \$5. Please help promote this workshop. [http://pdf.countyofdane.com/myfairlakes/2013 Plant Dane workshop brochure.pdf](http://pdf.countyofdane.com/myfairlakes/2013%20Plant%20Dane%20workshop%20brochure.pdf)

**Please be sure to make residents aware of this program.** I've sent out an article for newsletters, flyers, registration forms and pertinent website links. The Graham-Martin Foundation will promote the Plant Dane! program at their booth at the Garden Expo. We will not attend Isthmus Green Day this year since their expo is after the order submission deadline. Kudos to municipalities that have been using social media to promote the program!

**I&E Committee**

I'll be contacting folks asking for their participation on the I&E Committee. The I&E Committee generally meets a week or two in advance of the large quarterly meetings. The committee meets more often when working on grant projects or updating agreements and five-year work plans.

**Reporting Guide**

I emailed a reporting guide for municipalities to use to report to DNR how they have used materials that have been developed for member municipalities to use.

**Annual Work Plan**

Although there are no grants driving the 2013 work plan, there are many ongoing activities that require time and attention.

**New Address**

Our address changed last fall and is now **5201 Fen Oak Drive, Madison, 53718-8827.**

**Reminders**

- Please make sure your municipality's website is linked to [myfairlakes.com](http://myfairlakes.com) and to be sure to use the new logo. Let me know if you need me to resend the new logo.
- Follow [myfairlakes.com](http://myfairlakes.com) on Facebook! "Like" and "share" posts to help spread the word.

**2013 MAMSWP Meeting Dates (Large Group, *not I&E*)**

The Madison Area Municipal Storm Water Partnership meets quarterly, the first Tuesday of February, May, August and November. Remaining meetings in 2010:

May 7

August 6

November 5

## MAMSWAP 2013 I&E WORK PLAN

The Madison Area Municipal Storm Water Partnership (MAMSWaP), under the auspices of a five-year MOU through 2013, currently consists of 22 entities that have agreed to jointly implement storm water outreach to reduce negative storm water impacts. Members include cities of Fitchburg, Madison, Monona, Middleton, Stoughton, Sun Prairie and Verona; the villages of Cottage Grove, DeForest, Maple Bluff, McFarland, Shorewood Hills and Waunakee; and the towns of Burke, Blooming Grove, Dunkirk, Madison, Middleton, Westport and Windsor; Dane County and the University of Wisconsin–Madison. The MAMSWaP I&E Committee assists the Dane County Storm Water Education Coordinator (SWEC) with review of the annual I&E work plan. Regular participation on the I&E Committee has included representatives from the cities of Fitchburg, Madison, and Stoughton. Representation from other municipalities, especially villages and townships on the I&E Committee is strongly encouraged.

*The Trends in Storm Water-Related Perceptions, Knowledge and Practices Plus Implications For Education Outreach, A Study Based on 2009 and 2003 Survey Data From Select Dane County Communities Final Report (Final Report)*, was conducted in 2009, and was based on the 2003 survey in order to compare responses and analyze implementation of the 2003 plan. The *Final Report* was then used to develop appropriate outreach activities for the 2009-2013 outreach plan. Annual work plans are also developed with this data in mind. The entire report can be found at [http://danedocs.countyofdane.com/webdocs/pdf/lwrd/lakes/storm\\_water\\_trends.pdf](http://danedocs.countyofdane.com/webdocs/pdf/lwrd/lakes/storm_water_trends.pdf).

The *Final Report* reminds us that there are many factors contributing to changes in the public's attitudes and behaviors associated with mitigating the negative effects of storm water runoff and that findings cannot be linked to the actions of any one person, group or program as they were not studied. However, practices associated with composting leaves and keeping leaves out of the streets increased by approximately 10% from 2003 to 2009. Continued improvements to the Love Your Lakes, Don't Leaf Them program appear to have increased participation since 2009. While data might suggest increasing reluctance to install rain gardens, the 2009 survey showed that 64% were willing to install or wanting more information on rain gardens. Not reflected in the 2009 *Final Report* is that the Plant Danel program participation has remained quite stable and workshop attendance has increased since 2009.

Not surprisingly, survey data suggested that target audiences were not actively searching for information about storm water issues and practices. Rather, they were more likely to notice relevant information as news and/or articles in local print newspapers. While few appear to use the myfairlakes.com website as a place to learn about storm water impacts, analytical data show spikes in website use during the Plant Danel and Love Your Lakes, Don't Leaf Them campaigns. Informal education venues, such as events set up by individual municipalities, appear to be effective, including workshops or demonstrations. Increased publicity of local governments efforts to improve water quality also appear to be effective.

While data showed low usage of myfairlakes.com, reasons for underutilization of the site are not well understood and were not examined. After the 2009 survey was completed, the website was redesigned to be more attractive and user friendly. Since links from external sites increase rankings on search engines, it is vitally important that member municipalities link to myfairlakes.com so that information on the site appears prominently in results.

Use of social networking sites, listservs, blogs, electronic magazines, pod casts, YouTube and other electronic media was relatively low through 2009, but appears to be increasing since then according to analytic data. Continued examination of internet tools is warranted since trends change as quickly as technology. Information on the website must be kept up to date regardless of trends.

Outreach strategies need to be opportunistic and flexible, providing easily accessed educational materials regarding practices and behaviors, allowing for rapid responses as well as adequate resources to support rapid responses. The I&E Work Plan takes into account not only the results of the 2009 survey, but also experiences from implementation of previous work plans and activities. It also lists ongoing actions that consume a considerable amount of the part-time hours available.

For more information, contact the Dane County Storm Water Education Coordinator (SWEC) at 608-224-3746 or [info@myfairlakes.com](mailto:info@myfairlakes.com).

## 2013 I&E WORK PLAN ACTION LIST

(responsible party in parentheses)

1. Develop 2014-2018 I&E Plan and Intergovernmental Agreement. (MAMSWaP I&E Committee, SWEC)
2. Work with the North American Stormwater and Erosion Control Association to further investigate partnering opportunities to best reach target audience(s). (SWEC)
3. Work with the Dane County Lakes & Watershed Commission's Strategic Engagement Committee to investigate partnering opportunities to best reach target audience(s). (SWEC)
4. Where appropriate (urban storm water outreach areas), support and implement actions from the Yahara CLEAN Report [http://www.yaharawatershed.org/documents/doc/CLEAN\\_Report\\_090910.pdf](http://www.yaharawatershed.org/documents/doc/CLEAN_Report_090910.pdf).
5. Develop survey and/or checklist for member municipalities to gather, report/share information on innovative materials and activities developed by municipalities or by MAMSWaP Information & Education Committee (I&E Committee)/staff (for even numbered years only). (SWEC)
6. Develop environmental action list (storm drain marking, leaf management, rain garden installation, lake and stream clean up, etc.) with specific tasks for citizens, groups and others to implement. (MAMSWaP I&E Committee, SWEC)
7. Seek existing BMP and other technical educational videos to demonstrate ways to minimize storm water impacts. (MAMSWaP I&E Committee, SWEC)
8. Develop placemats for use at Dane County restaurants. (MAMSWaP I&E Committee, SWEC)
9. Grass clipping sticker and book for municipal drivers. (SWEC)
10. Explore providing t-shirts or reusable shopping bags for storm drain marking volunteers and other ways to improve storm drain marking program. (SWEC)

### ONGOING

1. Quarterly reporting to member municipalities; biennial reporting to DNR.
2. Bill municipalities and track payments.
3. Develop annual work plan.
4. Update/maintain website.
5. Continue Love Your Lakes Don't Leaf Them Campaign.
6. Continue Plant Danel Cost-Share program.
7. Continue promoting rain barrel programs.
8. Continue salt/deicing education materials and program.
9. Continue to work with the Earth Gauge Partnership.
10. Continue to promote NASECA events.
11. Develop and distribute articles to municipalities, friends groups, community groups and neighborhood association newsletters.
12. Develop/provide presentations (PowerPoint, slides, overheads, etc.) focused on audience interests/concerns.
13. Continue to use existing list serves to disseminate info.
14. Continue providing organizations and community groups assistance and partnering with projects (presentations, displays etc. for communities).
15. Continue to promote storm drain stenciling and marking programs.
16. Promote curriculum developed.
17. Maintain distribution lists.
18. Publicize training for building inspectors, contractors and staff.
19. Publicize availability of the Dane County Erosion Control and Stormwater Management Manual.
20. Promote and distribute DVD and CD.
21. Promote use of Enviroscape model including finding instructional how-to video for potential demonstrators.
22. Coordinate efforts with MMSD as appropriate regarding the adaptive management pilot project in the Yahara Watershed.



## MAMSWaP I&E 2011-2012 WPDES Permit Annual Reporting Guide

This tool was developed by the MAMSWaP I&E Committee to assist municipalities with their required reporting to the DNR. This form is *not required*, but is a helpful checklist of the many options that have been made available to the member municipalities over the past two years.

### General

#### Number of times:

\_\_\_ attend I&E meetings (list attendee(s)' names, dates)

\_\_\_ provide input/feedback to I&E committee

\_\_\_ have stormwater display at local events (list date of event and picture or description of display)

\_\_\_ donated Enviroscape model to MAMSWaP for all municipalities to borrow

\_\_\_ Assisted school, scout(s), troop or other group with stormwater and/or rain garden curriculum and/or installation (spoke to class, gave demonstration, help with storm water pond outdoor classroom, etc.; list)

\_\_\_ coordinated water resource related clean ups

\_\_\_ information on storm sewer outfall upgrades or other stormwater BMP retrofits, maintenance or installations

\_\_\_ information included in utility bill or tax bill

\_\_\_ other (describe)

#### Number distributed:

\_\_\_ *Dane Waters: A Reflection of Us All* DVD (and/or number of times screened at meetings or on local cable access)

\_\_\_ *How to Build a Rain Garden* Brochure

\_\_\_ *A Comprehensive List of Ways YOU Can Help Your Lakes and Streams* CD

\_\_\_ *In Dane, only the rain goes down the drain.* brochure

\_\_\_ storm drain marking (list how you promoted this program as well as how many storm drains were marked by which groups)

\_\_\_ gave presentation(s); expo(s) (provide audience, date, location)

\_\_\_ Other (list title(s))

### Articles

\_\_\_ *Healthy Yards...Healthy Ponds and Streams*

\_\_\_ *Trees and Water Pollution*

\_\_\_ *Love Your Lakes, Don't Leaf Them*

\_\_\_ *Low Salt Diet*

\_\_\_ *Plant Dane!*

\_\_\_ *10 Things You Can Do to Help Dane County's Lakes and Streams*

\_\_\_ *Springtime Showers Bring More than Just Flowers*

#### Times borrowed:

\_\_\_ Enviroscape watershed model (list event name, location and date)

\_\_\_ displays (list event name, location and date)

### Plant Dane!

Ways we promoted this program:



- link on our web to [www.myfairlakes.com](http://www.myfairlakes.com) (list your url where myfairlakes link can be found)
- flyers (include approximate number distributed) \_\_\_\_\_
- article
  - on website
  - in electronic or mailed newsletter
  - in local newspaper
  - other \_\_\_\_\_
- displays \_\_\_\_\_
- other \_\_\_\_\_

**Love Your Lakes, Don't Leaf Them**

Number distributed:

- \_\_\_ yard signs
- \_\_\_ brochures
- \_\_\_ coasters
- \_\_\_ inserts (8.5x11" flyers)
- article
  - on website
  - in electronic or mailed newsletter
  - in local newspaper
  - other \_\_\_\_\_
- displays \_\_\_\_\_
- electronic ad
  - on website
  - in electronic or mailed newsletter
  - in local newspaper
  - other \_\_\_\_\_

**www.myfairlakes.com website/social media**

- our website is linked to [www.myfairlakes.com](http://www.myfairlakes.com); our url is: \_\_\_\_\_
- \_\_\_ average number of hits/month
- we "like" myfairlakes on Facebook

**Salt Reduction**

**Water Star Wisconsin webinars**

Number of copies of webinar distributed (identify how distributed: via CD, thumb drive, link forwarded in email, or other):

Number of times shown for

- \_\_\_ municipal staff
- \_\_\_ elected officials
- \_\_\_ consultants

salt use posters (list locations where posted)

Love Your Lakes, Don't Salt Them ad used:

Salt-Use Articles (include title(s) and date(s) sent or printed)

- put on our website (list url and average number of hits)
- put in electronic or mailed newsletter (average number of addresses)
- printed in local newspaper (date)



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Vierbicher Associates, Inc.—Sarah Church (*Monona, Town of Middleton, DeForest*)  
Madison Metropolitan Sewerage District – Dave Taylor, Kathy Lake, Caryl Terrell

*Highlighted names were present at the meeting*

**RE:** MINUTES for the Madison Area Municipal Storm Water Partnership Meeting

**DATE:** May 7, 2013

**TIME:** 2:00 PM

**LOCATION:** 1600 EMIL ST (City Engineering Field Office Training Room)

**1. Info & Education update**

Marcia handed out an I&E update (attached). Please Note: The draft 5-year intergovernmental agreement has been sent out for comments. Also, please be sure to get signature page updates to Marcia. The final agreement should be distributed in November.

**2. New MAMSWaP members**

The Village of Cottage Grove is currently only a member of the I&E Committee, but regularly attends the quarterly MAMSWaP meetings and wishes to join the group. There are several other municipalities that may be interested in joining. DNR would roll them into the next permit if the

group agrees. There were no major drawbacks to allowing additional members. An invitation shall be extended to potential new members by the City of Madison (?).

### ***3. Update on draft guidance for MS4 compliance with TMDL***

Proposed language was sent out to the technical members for review on 5/6/13. DNR hopes to simplify the approach to TMDL compliance for municipalities. Prior language would have resulted in re-running models and lots of additional accounting. The proposed language simplifies calculations by looking at a percent control per reach, minimizing the importance of where municipal boundaries fall within a watershed. However, for adaptive management, municipalities will still need to track their progress in order to receive credit for new practices. The pollutant trading guidance document was just out for public comment, and will be issued separately from TMDL guidance.

DNR is currently requesting input on the guidance document from the technical members before releasing it for public comment. Timeline will depend on the extent of the first round of comments.

ALSO—the new MS4 General Permit (2014) will include language regarding a TMDL framework. Eric will send a link to the MAMSWaP group prior to the 30 day public comment period.

### ***4. Update on Yahara WINS***

With one year completed in the adaptive management pilot project, Yahara WINS has been able to enroll 45% of the agricultural land in the Yahara Watershed. Definite advancement has been made in testing the feasibility of an adaptive management program. One critical component, however, is for municipalities to report their most current sediment/phosphorus loading. Any projects completed since the TMDL was written in 2008 need to be accounted for in order to determine the correct amount of phosphorus that Yahara WINS needs to control in order to be in compliance. These calculations need to be completed within the next year or so. DNR staff will likely need to review data for credit to each municipality, but won't be able to give a formal approval.

The Rock River TMDL assumes each municipality has reached 40% TSS control. Under adaptive management, the Department has indicated that AM reductions can be used to account from pollutant reduction beyond the 40% TSS control level but that the permitted municipalities should be striving to reach a goal of 40% TSS control within their municipality/watershed.

### ***5. Dane County Erosion Control Ordinance***

Dane County recently released proposed changes to the erosion control ordinance in order to be in compliance with NR151. It hasn't been adopted by the County Board yet, but once that happens, it is each municipality's responsibility to begin enforcing the ordinance immediately, and to adopt its own ordinance as soon as possible.



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John S. Fahmeyer, P.E.  
Gregory T. Fries, P.E.  
Christopher J. Petykowski, P.E.

**Facilities & Sustainability**  
Jeanne E. Hoffman, Manager

**Operations Manager**  
Kathleen M. Cryan

**Mapping Section Manager**  
Eric T. Pederson, P.S.

**Financial Manager**  
Steven B. Danner-Rivers

**Hydrogeologist**  
Brynn Bemis

**TO:** WDOT, District 1—Wendy Braun  
WDNR—Eric Rortvedt, Kim McCutcheon (South Central Region), Amy Garbe  
University of Wisconsin—Marisa Trapp, Matt Collins  
Dane County Land Conservation—Kevin Connors, Pat Sutter, Jeremy Balousek  
Dane County Office of Lakes and Watersheds—Sue Jones  
Dane County Capital Area Regional Planning Commission—Mike Kakuska  
MMSD—Dave Taylor, Kathy Lake  
City of Fitchburg—Paul Woodard, Rick Eilertson, Felipe Avila  
City of Madison—Rob Phillips, Mike Dailey, Greg Fries, Lauren Striegl  
City of Middleton—Rich Weihert, Gary Huth  
City of Monona—Daniel Stephany, Janine Glaeser, Shannon Haydin  
City of Stoughton—Rodney Scheel  
City of Sun Prairie—Daryl Severson, Tom Veith  
City of Verona—Ron Rieder, Martin Cieslik  
Town of Blooming Grove—Mike Wolf, Tony Reigstad  
Town of Burke—Brenda Ayers  
Town of Madison—Rick Rose  
Town of Middleton—David Shaw  
Town of Westport—Tom Wilson  
Town of Windsor—Kevin Richardson  
Village of Cottage Grove — James Hessling  
Village of DeForest—Deane Baker  
Village of Maple Bluff—Tom Schroeder  
Village of McFarland—Allan Coville, Don Peterson  
Village of Shorewood Hills—Karl Frantz  
Village of Waunakee—Kevin Even  
AECOM—Theran Jacobson, Carla Fischer (*Verona, Burke*)  
Clean Lakes Alliance—James Tye, Paul Dearlove  
Mead & Hunt, Inc.—Anne Anderson, Tim Astfalk, Levi Ney (*Blooming Grove*)  
MSA Professional Services, Inc. – Eric Thompson, Erik Sorenson, Amber Converse  
Nahn & Associates—Chuck Nahn (*Town of Madison, Maple Bluff*)  
Strand Associates, Inc.—Jon Lindert (*UW-Madison, Westport, Waunakee*)  
Town & Country Engineering, Inc.—Brian Berquist, John Jenkins (*Shorewood Hills, McFarland*)  
Vierbicher Associates, Inc.—Sarah Church (*Monona, Town of Middleton, DeForest*)

**Underlined Names indicate present at meeting**

**RE:** Madison Area Municipal Storm Water Partnership Meeting Agenda

**DATE:** September 11, 2014

**TIME:** 2:00 PM

**LOCATION:** 1600 Emil St – Training Room

**1. Road Salt Outreach and Operations (Kathy Lake, MMSD and Sue Jones, Dane County Lakes and Watersheds)**

Sue discussed past MAMSWaP-hosted public and private workshops on salt application; the most recent of these was offered 3-4 years ago. She wanted to gauge the interest of MAMSWaP members in

offering those workshops this fall. She mentioned a couple options, including workshops to be offered in Appleton and Whitewater. The group agreed that attendance at an out-of-town class would likely be low, and discussed bringing the class to Madison. Sue estimated that the total cost to MAMSWaP for offering the workshops would be about \$5,000 (\$2,500/workshop), and would come out of the Information & Education budget. It was agreed that Sue should look closer at organizing public and private workshops in Madison.

Kathy summarized a meeting between representatives from Dane County Lakes and Watersheds, the UW, Madison Water Utility, MMSD, and other interested parties to discuss messaging/outreach options for road salt in Dane County. The group identified five distinct parties to target with different messages: elected officials, public works directors, emergency services (EMS), private applicators, and those who pay the private applicators (homeowners, business owners, etc). It was decided that the messaging effort should have two parts:

- 1) Five 1-page message statements (one targeting each group listed above) about road salt application
- 2) One website summarizing information about road salt application for all groups

The messaging group discussed both tasks with a printing and multimedia company, and obtained an estimate of \$20,000 for the project (~\$12,000 for the website construction, ~\$8,000 for the pamphlets). MMSD is willing and able to contribute to the project, as is Dane County Lakes and Watersheds. Kathy requested some financial assistance from MAMSWaP; the group present indicated that it was in favor of the project moving forward. Anyone interested in assisting in the project should contact Kathy.

Finally, Kathy said that MMSD is soon to begin working on its annual chloride reduction report. As part of that report, MMSD is supposed to evaluate road salt application methods for each of its contributing municipalities. To better inform the report, Kathy will be sending out a SurveyMonkey survey to representatives of each MS4. Please contact Kathy with any questions regarding the survey.

## 2. Draft TMDL Guidance (Gary Huth, City of Middleton)

Gary said that the City of Middleton is delaying upgrading of its storm sewer system pending the issuance of the DNR's TMDL guidance, and requested that Eric Rortvedt discuss the expected timeline for finalizing that document. Eric and Kevin Kirsch at the DNR have found some issues with the model used for the TMDL, mainly reaches 47 and 83, and are working to get those resolved and to develop final numbers – Eric finished up the guidance and a draft has been sent out for comment.

Given the changes in approach that have occurred during the development of the TMDL, the DNR will issue reduction requirements as a percentage (%) of baseload based on the TMDL model. Municipalities will obtain load reductions as pounds using their calculated baseloads and individual models of their reachshed(s). Eric reminded attending municipalities that they will have three years from the re-issuance of the MAMSWaP permit to develop and submit to the DNR their plans to reach the TMDL goals. Eric also indicated that he would be willing to provide a "pre-review" of any calculations used to meet AM plans.

## 3. Discussion on Adaptive Management and Pollutant Trading (Rortvedt, Garbe)

In response to questions regarding the differences between AM and water quality trading (WQT), Amy Garbe (DNR) gave a presentation about each program and the differences between them.

### *Adaptive Management*

- Goal/criteria for success: to meet the water quality criteria for a particular constituent in each reach (0.075 mg/L TP for small streams)
- Requires partnership with a wastewater utility (i.e. MMSD)
- BMPs must meet the cumulative reduction for the whole system, BUT the BMPs must be



spread throughout the watershed to meet the reductions required in each stream reach  
Quality Trading

- Goal/criteria for success: to offset load of a particular constituent (i.e. TP) above allocated load
- Each municipality can operate alone (no need for MMSD involvement)
- If AM does not succeed, BMPs installed as part of AM can be converted into trade credits, although trade ratios will apply
- Minimum applicable ratio = 1.2:1
- BMPs higher in the reach shed give more favorable trade ratios

Following Amy's presentation, Dave Taylor (MMSD) discussed MMSD's view of a full-scale AM program. Dave indicated that the program will be "all for one, and one for all" – any municipality that contributes to AM will receive their contribution's worth of credits. Dave is optimistic that there will be sufficient credits available for any municipality that chooses to participate in AM.

#### 4. Concrete Washing Issues (Greg Fries, City of Madison)

Greg stated that, at the request of the Public Health department, the City of Madison will now be requiring contractors to submit concrete truck wash-out plans with erosion control plans for permitting of construction jobs. Contractors must now manage and contain all washout water from concrete mixing trucks. Attached to this summary is a photograph (courtesy of Jeremy Balousek) of one example of a containment system.

#### 5. Clean Lakes Alliance – Update on Leaf Management Efforts (Paul Dearlove, James Tye, Clean Lakes Alliance)

James talked about the CLA's interest in publicizing leaf management options to home- and property-owners in the Madison area. He mentioned that the CLA is interested in establishing "baseline" numbers for phosphorus management practices currently in place – rain gardens, leaf containment, etc. The CLA would like to conduct a survey of homeowners about these practices through each MS4's MAMSWaP email to its constituents – the emails would simply include a link to the survey, which would be set up and monitored by CLA. The MAMSWaP group did not make a decision on whether to proceed with this project. Any questions can be directed to James Tye or Paul Dearlove at the CLA.

#### 6. Information and Education Updates (Jones)

Please see the MAMSWaP I&E update report, attached.

#### 7. Information and Education Position Update (Jones)

Marcia Hartwig, the former MAMSWaP Education coordinator, left her position in May 2014. Since then, Sue Jones at the Dane County Lakes and Watershed Commission has, with the assistance of LTE staff, been covering Marcia's former duties in addition to her own. Dane County will be hiring a new 0.5 FTE MAMSWaP Education Coordinator in January 2015, to be placed in the new Dane County Water Resources department. As before, 50% of the position's salary will be paid out of MAMSWaP's I&E budget. Please see the MAMSWaP I&E update report, attached, for more information.

# **Madison Area Municipal Storm Water Partnership -- I&E Update**

September 2014

*Respectfully submitted by Sue Jones, Dane County Office of Lakes and Watersheds. [jones.susan@countyofdane.com](mailto:jones.susan@countyofdane.com), 608-224-3764. Please contact me with questions and suggestions.*

**CONSULTANTS AND MUNICIPAL REPRESENTATIVES:** *Please make this report available to your municipalities.*

## **MAMSWaP I&E Staffing**

Marcia Hartwig's last day of work as Madison Area Municipal Storm Water Partnership Storm Water Education Coordinator was May 9, 2014. Sue Jones from the Dane County Office of Lakes and Watersheds has provided all background documents required for Dane County to post and hire this vacancy, and since May has repeatedly advocated the importance of filling this position. In the interim, Jones and other Office of Lakes and Watersheds staff have kept the most important MAMSWaP I&E program elements going.

## **I&E Committee Membership**

Jones has secured a tentative commitment from a Village representative to serve on the committee. We still need a Towns representative. Please contact Jones to volunteer yourself or others to represent the interests of Towns on this group.

## **Plant Dane! Cost-Share Program**

We had a record-breaking year, with almost 11,000 plants sold, second only to 2006. Sue Jones and Pat Sheahan from the Dane County Office of Lakes and Watersheds, and Susan West from the Dane County Lakes and Watershed Commission staffed the plant delivery day on May 17, 2014. The Graham-Martin Foundation did not offer a second sale during the summer.

## **Love Your Lakes (and Rivers), Don't Leaf Them – 2014**

The I&E Committee affirmed Jones' recommendation to repeat last year's successful program of newspaper inserts of the "Love Your Lakes (and Rivers), Don't Leaf Them" flyer, newspaper print and web advertising; and coaster, flyer, yard sign, and brochure distribution. We encourage each municipality to participate enthusiastically in this program. Please let Jones know of your creative expansions of the core materials and concepts provided to you.

## **Communications and Articles**

Sue Jones and other Lakes and Watershed staff continue to monitor and respond to myfairlakes email correspondence, post to Facebook, promote NASECA and other stormwater training opportunities, and develop articles for member municipalities' use. After the I&E Committee has completed its review, articles will soon be sent regarding illicit discharge and the fall Love Your Lakes Don't Leaf Them campaign.

## **Enviroscape**

The "Enviroscape" watershed model, donated for broader use by the City of Sun Prairie, has been used frequently since May, sometimes with Lakes and Watersheds staff leading the educational event:

- May 10, Madison Audubon's Bird City Celebration at Olin Turville Park
- July 16, Operation Fresh Start's Conservation Crew educational event at Lake Farm County Park
- July 28, Lussier Community Education Center. Program for 18 youth summer camp participants who also marked 18 storm drains with "dump no waste" markers

- August 10, Grow Academy. Program for six juvenile offenders included determination of biotic index and discussion of the water cycle.
- August 23, Upper Sugar River Watershed Association “Paddle and Pig Out” event

### **Pervious Pavement Workshop**

Look for a MAMSWaP-sponsored one-hour training session on permeable pavers and current research, later this year.

### **Partnerships and Projects**

The I&E Committee is continuing to review proposals from Earth Partnership for Schools (EPS, part of the UW Arboretum) to update the storm water curriculum as part of a larger project that EPS has been implementing across the nation.

Other ongoing partnerships:

MMSD/Yahara WINS on phosphorus reduction

MMSD, City of Madison, Dane County on chloride outreach

Rock River Stormwater Group on articles, “Renew the Rock” campaign, leaf campaign.

NASECA -- promoting their events

### **Reminders**

- Please distribute yard signs, flyers, and coasters as part of this year’s Love Your Lakes, Don’t Leaf Them campaign.
- Please be sure you have links to [myfairlakes.com](http://myfairlakes.com) from your websites.
- Follow [myfairlakes.com](http://myfairlakes.com) on Facebook! “Like” and “share” posts to help spread the word.



Department of Public Works  
**City Engineering Division**

Robert F. Phillips, P.E.  
**City Engineer**

City-County Building, Room 115  
210 Martin Luther King, Jr. Boulevard  
Madison, Wisconsin 53703  
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Michael R. Dailey, P.E.

**Principal Engineers**  
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TO: WDOT, District 1—Wendy Braun  
WDNR—Eric Rortvedt, Laura Bub (South Central Region)  
University of Wisconsin—Marisa Trapp  
Dane County Land Conservation—Kevin Connors, Pat Sutter, Jeremy Balousek  
Dane County Office of Lakes and Watersheds—Sue Jones, Marcia Hartwig  
Dane County Capital Area Regional Planning Commission—Mike Kakuska  
City of Fitchburg—Paul Woodard, Rick Eilertson, Felipe Avila  
City of Madison—Rob Phillips, Mike Dailey, Greg Fries, Genesis Steinhorst  
City of Middleton—Kevin McNulty, Gary Huth  
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Village of Maple Bluff—Tom Schroeder  
Village of McFarland—Allan Coville, Don Peterson  
Village of Shorewood Hills—Karl Frantz  
Village of Waunakee—Kevin Even  
AECOM—Jennifer Hurlbaas (*Westport, Waunakee*), Kelly Mattfield (*Burke*), Theran Jacobson (*Verona, Ashley Bartlein*)  
Mead & Hunt, Inc.—Anne Anderson, Tim Astfalk (*Blooming Grove*)  
MSA Professional Services, Inc. – Eric Thompson  
Nahn & Associates—Chuck Nahn (*Town of Madison, Maple Bluff*)  
Strand Associates, Inc.—Jon Lindert (*UW-Madison*)  
Town & Country Engineering, Inc.—Brian Berquist, John Jenkins (*Shorewood Hills, McFarland*), Mark Barden  
Vierbicher Associates, Inc.—Sarah Church (*Monona, Town of Middleton, DeForest*)

Others: Dave Taylor, MMSD

**RE:** Minutes for the Madison Area Municipal Storm Water Partnership Meeting

**DATE:** 11/5/13

**TIME:** 1:00 PM

**LOCATION:** Emil Street Training Room, 1600 Emil St, Madison

1. Update on Yahara WINS and other MMSD updates

Dave Taylor alerted the group to a new national campaign about not using toilets as trash cans. Don't use toilets as trash cans. A handout is attached with more information.

Yahara WINS contributed funds for installing demonstration practices on farm fields, some of which were showcased at the recent 2-day Yahara Pride Farm Days event, including cover crops, vertical tillage, and vertical manure injection. Yahara WINS will be meeting with Yahara Pride next week to discuss the next steps.

There was a reverse auction for urban practices intended to reduce phosphorus. The two applicants, City of Monona and City of Madison, were the two recipients.

Dave is working with Greg Fries on re-building the cost model for participating municipalities with more recent (and more accurate) data. If you have data to share on the cost/efficiency of installed practices, please do so. At the end of the adaptive management pilot program, MMSD will be responsible for advancing the full scale program in 2016. It will be somewhat contingent on who decides to participate. A new Memorandum of Understanding may be required to address the broader TMDL implementation issues for MS4s. A UW graduate class is currently reviewing the existing MOU and will issue a report card to Yahara WINS.

Since the MAMSWaP Permit expires in July 2014, we will likely require a small modification from DNR indicating we are still covered until a new permit is issued. We have operated under permit extensions in the past, so this should not be a problem.

2. Greg updated the group on his understanding of what DNR does/does not expect with regards to meeting TMDL. After several meetings, the current belief is that DNR won't require municipalities to condemn land (and install practices) in order to meet the TMDL. The intent is that municipalities would have a plan (25-30+ years?) to meet the TMDL requirements. As indicated earlier, he is also working on a method to update the loading and allocation numbers in the TMDL. These revisions will outline a process so that a municipality can take their NR-151 load calculations, and update them to the TMDL boundaries and standards. This will create a revised phosphorus allocation pie chart for municipalities and other parties (MMSD, AG.) so each entity knows how much phosphorus they are responsible for reducing (and subsequently have to purchase). The previous numbers used incorrect land areas, and in some cases the errors were significant (so check your areas!). Other updates include any recently installed practices (in areas that would be within your 2004 municipal boundaries). The group will need to agree on a baseline and that calculations used by each municipality are reasonable. DNR will be the 3<sup>rd</sup> party reviewer for "global compliance." Greg will also draft a "10 Best Things" to do for municipalities. He hopes to have a methodology out in advance of the February MAMSWaP meeting that provides a method for calculating what each municipality would be responsible for (cost-wise) for their share of the "Phosphorus Pie." (*yuck*)

There have been discussions as to how frequently updates need to be made to each municipality's loading as practices are installed. The current thought is that updates would occur with each permit cycle (every 5 years). The DNR will not be tracking pounds of phosphorus reduced, but rather percentages to avoid trying to compare various models. However, the group would need to track pounds of phosphorus in order to determine success and to allow costs to be allocated.

Also, Gary still needs to bring cookies to the next meeting.

3. Fitchburg is working on a Nine Springs Creek Watershed Planning effort. More info is here: <http://www.city.fitchburg.wi.us/departments/cityHall/publicWorks/stormwater/NineSpringsMasterPlan.php>.

There is an upcoming Public Involvement Workshop from 6-9PM on Thursday 12/12/13.

They are also hosting the November 20<sup>th</sup> Center for Watershed Protection Webcast (Stormwater Utilities: Reckoning the Cost Side of the Equation (from 11am to 1pm at the Fitchburg City Hall Meeting Room) and then including an optional overview of Fitchburg's recent Stormwater Utility Rate Analysis Report by Jon Cameron (Ehlers & Assoc.) and myself from 1pm to 1:30pm or so.

Madison is working with Strand and Friends of Lake Wingra on a Lake Wingra Watershed Plan. Key issues to be addressed include chloride, infiltration, and phosphorus. More info here:

<http://www.cityofmadison.com/engineering/stormwater/wingraplan.cfm>



March 13, 2015

Page 3

#### 4. Other/I&E update:

*Respectfully submitted by Marcia Hartwig, Madison Area Municipal Storm Water Partnership (MAMSWaP) Storm Water Education Coordinator, 608-224-3746, [hartwig@countyofdane.com](mailto:hartwig@countyofdane.com). Please to contact me with questions.*

**CONSULTANTS AND MUNICIPAL REPRESENTATIVES:** *Please make this report available to your municipalities.*

#### **Five-Year I&E Intergovernmental Agreement Development**

The final draft of the five-year agreement was sent to municipalities in July. A couple of late edits including a request to remove the Affirmative Action language were received and a revised final draft was then sent to municipalities. The final copy was sent to municipalities and signature pages are being sent in to me. Once all signatures are received, I will make a pdf of the entire document with signatures to send to all signatories and to put on myfairlakes.com.

#### **Five-Year Work Plan**

The I&E Committee continues to work on the next five-year work plan. We still anticipate a final draft soon along with the annual work plan.

#### **Five-Year Survey**

The I&E Committee continues working with UW–River Falls Survey Research Center to implement a survey per the permit language requiring assessment. It will be similar to the surveys implemented in 2003 and 2009. Results will be used to evaluate current programs, as a tool to guide annual work plans.

#### **Partnerships and Projects**

We're collaborating with MMSD/Yahara WINs, City of Madison and Dane County on potential chloride outreach. Rock River Stormwater Group coordinating on articles, "Renew the Rock" campaign, leaf campaign and the survey. The Rock River Stormwater Group (RRSG) has a new consultant (Jason Valerius, MSA) that has begun implementing RRSG's new workplan. NASECA promoting their events  
Rock River Recovery Education and Outreach Team (TMDL I&E)

#### **Love Your Lakes, Don't Leaf Them**

Yard signs, brochures, flyers and coasters continue to be available. Articles were sent out for weekly newspapers, newsletters and websites. Remember to keep track of the materials you distributed for reporting to DNR. Share your experience (good or bad) with the rest of the group so others can adjust their programs, if necessary.

#### **Reminders**

- Link to myfairlakes.com from your site and be sure your municipality's website is using the new logo.
- Follow myfairlakes.com on Facebook! "Like" and "share" posts to help spread the word.
- The I&E Committee is looking for volunteers from villages and towns to participate in the committee. Contact me if you are interested in serving on this committee. The I&E Committee generally meets a week or two in advance of the large quarterly meetings.
- The Madison Area Municipal Storm Water Partnership meets quarterly, the first Tuesday of February, May, August and November.

**Appendix D**  
**Water Quality Concerns**

**VI.b.**

**VI.c.**

**VI.d.**

## **Appendix D**

### **Water Quality Concerns**

**VI.a.** None.

**VI.b.** The Yahara River Watershed is impaired for phosphorus.

**VI.c** In 2013 and 2014 Dane County provided approximately \$2 million of funding to local municipalities to cost share the construction of stormwater facilities in areas of existing development where no controls are in place through the Urban Water Quality Grant Program (UWQG).

**VI.d.** No

**Appendix E**  
**Additional Information**

**VII.a.**

**VII.b.**

**VII.c.**

## **Appendix E**

### **Additional Information**

#### **VII.a.**

Two ordinance amendments were carried out in 2013 to 2014 to strengthen the county's erosion control and stormwater management program. Please see Appendix A, III.a. above.

Ordinance Amendment 41, 12-13 - Amending Chapter 11 of the Dane County Code of Ordinances, to Adjust Mitigation Permit Fees and Correct Internal References. Adopted by the Dane County Board of Supervisors March 7, 2013; approved by the County Executive March 11, 2013; published March 19, 2013

Ordinance Amendment 5, 13-14 - Amending Ch. 11 & 14 of the Dane County Code of Ordinances, Regarding Stormwater Management, Erosion Control and Manure Storage Facilities. Adopted by the Dane County Board of Supervisors June 20, 2013; approved by the County Executive Jun 24, 2013; published July 2, 2013.

#### **VII.b.**

None.

#### **VII.c.**

2014 marked the tenth year of the Dane County Urban Water Quality Grant (UWQG) Program. The goals of the program are to improve the quality of urban stormwater runoff entering Dane County lakes, rivers and streams, increase public awareness of urban water quality issues, and provide public education for urban stormwater quality improvement practices. This program provides incentives to municipalities to install best management practices that will provide efficient, cost effective treatment of urban runoff. Financial assistance is available in the form of cost sharing up to 50 percent of the total project cost, not to exceed \$100,000. In 2013, the county awarded seven UWQG projects: \$1,403,768 in cost shared dollars, which resulted in the removal of an estimated 70,557 pounds of sediment and 1,231 pounds of phosphorus. In 2014, the county awarded three UWQG projects; \$600,000 in cost-shared dollars, which will result in the removal of an estimated 40,000 pounds of sediment annually, once constructed.