

Recommendations on outstanding stormwater education needs

December 2007

Education Work Group
Minnesota Stormwater Steering Committee

1.0 Summary

This document summarizes the discussions of the Minnesota Stormwater Steering Committee Education workgroup on the educational needs of Minnesota as of October 2007. The work group organized discussions loosely along the six minimum control measures (MCM) identified in the Nation Pollution Discharge Elimination System (NPDES) Municipal Separate Storm Sewer System (MS4) Permit. Many of the education needs of other storm water areas, such as construction and industry, have overlap with the MS4 MCM's, and so these educational needs have been generally included in these groups.

More detail on educational needs within each MCM group is listed on the following pages. In general, more education and a better understanding of educational effectiveness is needed for all MCM groups. Some of the MCM groups, such as “public participation and involvement” and “construction site storm water runoff control” appear to currently have a significant amount of education activity, but data does not exist to confirm personnel within these MCM groups are sufficiently educated.

Previous discussions of a statewide education campaign pointed out the significant cost and the need to local customization. There are benefits to a statewide education campaign, such as consistency of message and creating a statewide civic enthusiasm. The education workgroup recommends that in place of a state wide media campaign, an available state wide leader be funded to create an annual message recommendation, with a low cost media kit, that interested groups could access.

The Education Workgroup has not developed implementation strategies for the educational needs identified in this report. The Education Workgroup proposes reviewing this report and the educational activity inventory developed to create this report on an annual basis or as needed.

The Education workgroup would like approval from the Stormwater Steering committee to pursue development of implementation strategies in 2008, and approval to review this report and inventory again at the end of 2008.

2.0 Education Needs by Subject

	Public education and outreach
Assessment of program need:	<p>The major needs in public education and outreach is in surveys of knowledge, attitudes and barriers to change, and evaluation of impact of existing programs.</p> <p>There is also the need to find ways to communicate stormwater pollution prevention messages to wide audiences on limited budgets.</p> <p>Some attention should be given to bridging language or cultural barriers.</p>
Potential Audiences:	<ol style="list-style-type: none"> 1. “General public” 2. New immigrant groups 3. Other specific public audiences
Priority Focus:	<ol style="list-style-type: none"> 1. The state needs a leader or method to coordinate a media message 2. Evaluation studies on effectiveness of public education and outreach programs in increasing knowledge and producing behavioral change. This evaluation will need to start with a survey of knowledge, attitudes and skills for the state. 3. Seek “hook” to gain free media coverage of stormwater message, e.g., what happened when phosphorus lawn fertilizer bill was in the legislature. 4. Delivery of more source reduction messages, and multi cultural/multi lingual messages
Products:	<ol style="list-style-type: none"> 1. Grant funding and RFP for conducting surveys and evaluations.
Action steps:	<ol style="list-style-type: none"> 1. Seek a mechanism to develop a statewide coordinator on public education message. 2. Research what information needs to be known. 3. Seek grant funding. With grant funding develop a RFP for best methodologies for collecting survey and evaluation data. 4. Review proposals, contract work to be done. 5. Investigate how existing surveys, such as the MPCA (MOEA) “Environmental Literacy” survey can be adapted to provided needed stormwater information. 6. Explore strategies to obtain “earned” media coverage.
Product providers:	TBD. Action step 1 could be served by the Water Resource Center. Several providers, both public and private, are capable of this work.

	Public participation and involvement
Assessment of program need:	<p>There are many materials and programs available to assist in engaging the public in stormwater pollution prevention. Some attention should be given to bridging language or cultural barriers.</p> <p>Examples of available materials and programs are:</p> <ul style="list-style-type: none"> – Citizen lake, stream, and wetland monitoring. – Adopt a lake / stream – Storm drain stenciling – Rain barrels – Rain gardens – Water festivals – Customer call-in lines – Annual meetings <p>Public involvement in policy and plan development is typically low, and this could be seen as a gap</p>
Potential Audiences:	General Public
Priority Focus:	No priority focus area. Raising awareness and involvement in policy and plan development may have benefits.
Products:	
Action steps:	
Product providers:	

	Illicit discharge detection and elimination
Assessment of program need:	Some training has been made available on illicit discharge detection and elimination (IDDE), but it remains an area of educational need. Some attention should be given to bridging language or cultural barriers.
Potential Audiences:	<ol style="list-style-type: none"> 1. Businesses that have been shown in past projects to have high potential for illicit discharge to storm sewer systems, e.g., auto repair, carpet cleaners, and restaurants. 2. General public, especially those who operate swimming pools and hot tubs or do the own automobile or household maintenance. 3. City staff responsible for designing and implementing IDDE programs.
Priority Focus:	<ol style="list-style-type: none"> 1. Training for MS4 staff and water resource professionals on developing and implementing IDDE programs, including use of GIS mapping. 2. Training for MS4 staff and emergency crews on spill control and illicit discharge identification and reporting. 3. Materials for businesses to make them aware of the illicit discharge problem and proper steps for materials disposal. 4. Training for concerned citizens on illicit discharge identification and reporting.
Products:	<ol style="list-style-type: none"> 1. Program development training curriculum and materials for MS4 staff and resource professionals. 2. Spill control and illicit discharge identification training curriculum and materials for MS4 staff and emergency crews. 3. Illicit discharge identification training curriculums and materials for concern citizens. 4. Printed materials for businesses.
Action steps:	<ol style="list-style-type: none"> 1. Refine IDDE program development course being offered by UM / MPCA. 2. Make business education printed materials available. 3. Develop curriculum and materials for concerned.
Product providers:	U of M Extension has targeted development of MS4 training materials. Several providers, both public and private, are also capable of this work.

	Construction Site Stormwater Runoff Control
Assessment of program need:	Although not yet fully meeting educational needs, there are many programs addressing construction site erosion control education in Minnesota. Providers of these programs are actively reviewing and refining their products.
Potential Audiences:	Construction personnel Design personnel City/County/State inspection staff Developer/owners
Priority Focus:	Consistency in industry Knowledge transfer to all personnel involved with construction Develop deeper understanding with some personnel
Products:	Numerous
Action steps:	More of the industry needs education
Product providers:	U of M, MECA, Professional Organizations, Private Consultants and suppliers

	Post-construction storm water management
Assessment of program need:	An area of educational program need. Focus initially will be reaching key audiences of development plan designers and reviewers through their professional associations.
Potential Audiences:	<ol style="list-style-type: none"> 1. Design professionals; architects, engineers, planners, etc. 2. Municipal staff involved in plan review and regulation 3. Land developers and real estate agents marketing developers 4. Vendors that supply construction industry 5. Post-secondary students in design and construction majors 6. Real estate agents, real estate press 7. Occupants of properties with stormwater practices 8. General public
Priority Focus:	<ol style="list-style-type: none"> 1. Increase awareness of benefits of incorporating stormwater management early in the design process. 2. Increase awareness of stormwater management practices currently available. 3. Increase awareness of resources available for stormwater mgt. planning and design. 4. Provide tools that will enable those planning, designing, and reviewing development plans to quickly assess the adequacy of proposed stormwater management practices. 5. Increase awareness of non-degradation and TMDL requirements and management techniques
Products:	<ol style="list-style-type: none"> 1. Presentation suitable for delivery at conferences of such professional groups as: <ul style="list-style-type: none"> – Minnesota Association of Professional Engineers – Minnesota Public Works Association – American Society of Civil Engineers – Minnesota Chapter – Minnesota County Engineer Association – City Engineers of Minnesota. 2. Presentation suitable for delivery to college classes (guest lecturer). 3. Check list to assist those planning, designing, and reviewing development plans to quickly assess the adequacy of proposed stormwater management practices. 4. Proposals for including more stormwater management coursework in design and construction majors, potentially working with Boards of Accreditation and and/or promoting certification programs.
Action steps:	<ol style="list-style-type: none"> 1. Approach professional orgs. with offer to provide presentations at their conferences. 2. Develop stormwater mgt. checklist to assist in reviewing development plans. 3. Hold meetings with academic departments to determine how to include more stormwater management subject matter in design and construction majors.

Product providers:	Several providers, both public and private, are capable of this work. U of M extension has indicated they will address the top 4 focus areas for the top three audiences.

	Maintenance of storm water management
Assessment of program need:	This sub group was identified as an area that needs specific attention
Potential Audiences:	Municipal staff Highway maintenance staff Private/public maintenance staff
Priority Focus:	How to perform maintenance How to financially manage long term maintenance
Products:	Mn/DOT Video and “storm water maintenance” training program U of M BMP Assessment manual MN Stormwater Manual
Action steps:	
Product providers:	U of M, Mn/DOT, Home and Garden shows

	Municipal pollution prevention / good housekeeping
Assessment of program need:	Municipalities have expressed a lack of educational materials and support. Regional inconsistencies also exist, and outstate financial support may be needed.
Potential Audiences:	<ol style="list-style-type: none"> 1. Public works staff, including utilities and airport 2. Parks and grounds keeping staff 3. Fire department, police department, and emergency response staff 4. Utility and construction contractors working under municipal contact 5. Administrative and departmental staff not listed above (“general” audience) 6. Elected officials
Priority Focus:	<ol style="list-style-type: none"> 1. Materials for training public works staff on pollution prevention / good housekeeping. Materials could be delivered internally by city environmental staff or in externally provided workshops by watershed districts, soil and water conservation districts, university extension, private consultants, and others. 2. Self assessment systems (check list) that can be used by staff to assess (audit) their facilities and operations for pollution prevention / good housekeeping practices. Assessment system can include an “action step” component to remedy identified concerns. 3. Training for municipal staff, officials and contractors involved in capital improvement projects. 4. Science to back pollution prevention / municipal housekeeping recommendations on such subjects as street sweeping, yard waste management, sand and salt management, etc.
Products:	<ol style="list-style-type: none"> 1. Videos, PowerPoint presentations, example ordinances and printed materials to support municipal staff training. 2. Trainings offered via professional associations, e.g., MPWA (MN Public Works Association), LMC (League of MN Cities), and AMC (Assoc. for MN Counties). 3. Train-the-trainer opportunities to allow municipal staff to train co-workers, or staff of neighboring municipalities. <p>NOTE: If products are not short and to the point they will not be used. Municipal staffs have limited time available (10 minutes) for such training and lengthy and involved materials will not be used.</p>

Action steps:	<ol style="list-style-type: none"> 1. A short term solution is to purchase copies of available commercial videos on this subject and make available on a loaning library basis. 2. MDOT's video under production should be reviewed for possible broader application. 3. Possible educational materials developed in other states should be sought out. 4. Opportunities for teaming different types of MS4s (townships, cities, counties, MDOT, watershed districts, institutions) together on this effort should be sought.
Product providers:	<ol style="list-style-type: none"> 1. LTAP (MN Local Transportation Assistance Program) http://www.mnltap.umn.edu/index.html 2. UM Extension Service / UM Departmental Programs 3. Consultants

3.0 Inventory of Educational Activities

Partial inventory of stormwater education occurring across the state
Minnesota Stormwater Education Workgroup, October, 2007, Maple Gove, Minnesota

This inventory is not comprehensive, but represents those activities shared by members of the Minnesota State Stormwater Education Committee at their October 3, 2007 meeting in Maple Grove, Minnesota and the preious inventory. It does represent activities happening in most regions of the state.

Public Education and Outreach				
Activity	Audience	Location	Provider	Last Date
Regional media outreach, TV, radio, press releases	General Public	Duluth / Superior Area	Duluth Area RSPT (Regional Stormwater Protection Team)	4/28/2006
Regional media outreach, TV, radio, press releases	General Public	Red River Basin	EERC (Energy & Environmental Research Center, UND)	4/28/2006
Regional media outreach, TV, radio, press releases	General Public	Twin Cities	Metro Watershed Partners supported by MS4 funding.	10/3/2007
Regional media outreach, TV, radio, press releases	General Public	City of Rochester	City of Rochester staff	4/28/2006
Regional media outreach, TV, radio, website, Newspaper ads	General public	St. Cloud area	Central MN Water Education Alliance	10/3/2007
Newsletters, newsletter articles	General Public	Statewide	LGUs in general.	4/28/2006
Newsletters, newsletter articles	General Public	Statewide	Specifics: Nine Mile WD, City of Rochester, EERC for Red River Basin cities	4/28/2006
Stormwater education with city utility bills	General Public	LGUs in general.	LGUs, SWCD	4/28/2006
		Specifics: Rochester, New Ulm, St. Cloud, etc.		
Presentations to neighborhoods, lake groups, interest groups, etc.	General Public, Property Owners	Statewide	Watershed districts, SWCDs, Advocacy groups, LGUs, etc.	4/28/2006
Presentations utilizing music	General Public	Minnesota River Basin, Rochester	Scott Sparlin with CCMR (Citizens for a Clean MN River)	4/28/2006
Presentations utilizing drama, puppets	General Public	Twin Cities Metro Area	The Toonies Puppet Theater	4/28/2006
			Science Museum of Minnesota	4/28/2006
Kiosks and display space for monthly posters and many fact sheets	General Public	City of Rochester	City of Rochester staff	4/28/2006
Event displays, kiosks	General public	Metro, Rochester	Metro WaterShed Partners	4/28/2006
Event displays, kiosks	General public	Others?	CGEE, Hamline University	4/28/2006
Event displays, kiosks	General public		Science Museum of MN, Rochester City staff	4/28/2006
Multi Media Education CD's, e.g.,	General Public	Statewide	Hamline University	4/28/2006
"Water Down Drain"	General Public	Statewide	Hamline University	4/28/2006
Stormwater information websites	General Public,	Several, including:	LGU staff, consortium staff, etc.	4/28/2006
Stormwater information websites	General Public, Professionals	City of Rochester	LGU staff, consortium staff, etc.	4/28/2006
Stormwater information websites	General Public, Professionals	Red River Basin Cities	LGU staff, consortium staff, etc.	4/28/2006

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Activity	Audience	Location	Provider	Last Date
Stormwater information websites	General Public, Professionals	Lake Superior Streams	LGU staff, consortium staff, etc.	4/28/2006
Stormwater information websites	General Public, Professionals	www.cleanwatermn.org	LGU staff, consortium staff, etc.	4/28/2006
State Fair	General Public	St. Paul	MPCA, Metro WaterShed Partners	4/28/2006
eco experience	general public	St. Paul	MPCA, EOR	10/3/2007
Children's Water Festivals	K-12	Statewide -- including Rochester, Red River Basin, Metro Area	Rochester's Nature Center, EERC, City Staff, SWCD	4/28/2006
Yard Care Education http://www.sustland.umn.edu/	General Public	Statewide	UM Extension	4/28/2006
Citizen Workshops on rain gardens, yard care, rain barrels,	General public	Metro	Friends of the Mississippi River	4/28/2006
Citizen Workshops on rain gardens, yard care, rain barrels, etc.	General public	Others?	UM Extension	4/28/2006
Citizen Workshops on rain gardens, yard care, rain barrels, etc.	General public		Watershed districts	4/28/2006
Citizen Workshops on rain gardens, yard care, rain barrels, etc.	General public		Other?	
Curb stenciling and similar practices (ask Scott Sparlin); curb stamping (ask Jesse Schomberg)	General Public	Statewide	NGOs, watershed districts, LGUs	4/28/2006
Curb stenciling	General Public	Statewide	FMR	10/3/2007
Sucker River Watershed Protection Plan (social marketing education grant)	General Public	Sucker River Watershed	MPCA P2 Grant	4/28/2006
Linking Wetland Health with Stormwater (specific to calcareous fen protection)	General Public	City of Rochester	Rochester City Staff	4/28/2006
Welcome letters to new city residents	New city residents	Red River Basin	Red River Basin Cities / EERC	4/28/2006
Shoreland Education Workshops	Shoreline property owners	Statewide	UM Extension	4/28/2006
Lake City "Getting Ready for Change Campaign"	Elected Officials, General Public	Lake City	MPCA PA division	4/28/2006
Community water festivals	General Public	Metro, Red River Valley, Duluth, Others	Capitol Region Watershed District, Ramsey/Washington Watershed District, Red River Basin, EERC	4/28/2006
K-12 Education Materials on Lakes	Youth, Grades K-12	Statewide	MECA, Fortrin Consulting	4/28/2006
Grade 1-4 + 5-6 Education	Youth, Grades 1-6	Red River Basin	Red River Basin City Staff/EERC	4/28/2006

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Public Education and Outreach				
Activity	Audience	Location	Provider	Last Date
Coloring contest "Rex the Dog"	Youth, K-12	Duluth	RSPT	4/28/2006
MS4 Outreach Materials	Stormwater Managers,	Metro Wide	Metro Watershed Partners	4/28/2006
www.cleanwatermn.org	Stormwater Managers,	Metro Wide	Metro Watershed Partners	4/28/2006
Permit Training/fact sheets (various)	Stormwater Managers	Statewide	MPCA	4/28/2006
Stormwater Blog	Stormwater Mangers, General Public	Statewide	MPCA	4/28/2006
MPCA Stormwater Program Website	Stormwater Managers, General Public	Statewide	MPCA	4/28/2006
Air, Water, Waste Conference	Stormwater Managers, General Public	Statewide	MPCA	4/28/2006
Annual MS4 reports	City Council; General Public	Rochester, many other MS4	City staff	4/28/2006
water education workshops	k-12 educations	state wide	Project WET/ DNR	10/3/2007
Shoreland Education Workshops	property owners	statewide	DNR	10/3/2007
K-12 Education Materials on Lakes	k-12 studenst	statewide	Mnwaters	10/3/2007
blue thumb	general public	metro	Rice Creek + partners	10/3/2007
new resident packets	general public	several cities	Eden Prairie	10/3/2007
water resource coordinator group	city staff	?	?	10/3/2007
Children's Water Festivals	4th graders	Stearns County	Sauk River and Clearwater River WD	10/9/2007
Websites	General public	www.nmwaterconnection.org	Central MN Water Education Alliance	10/9/2007
Citizen Workshops on rain gardens, yard care, rain barrels, etc.	general public	Stearns County	Middle Fork North Crow River	10/9/2007
curb Stenciling	general public	St. Cloud	City of St. Cloud	10/9/2007
Shoreland Education Workshops	Shoreland Contractors	Stearns County	SWCD and LGU	10/9/2007
movie preview commercials	general public	Plymouth	Plymouth	10/3/2007

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Public Participation and Involvement				
Activity	Audience	Location	Provider	Date
Public hearing meeting on SWPPP	General Public, City Councils	Statewide	City staff	4/28/2006
Citizen Advisory Committee Education	Citizen Advisory Committees and their contacts	?	Watershed Districts, SWCD	4/28/2006
Stormwater "Citizen Information Line"	General Public	Duluth RSPT	Duluth RSPT, RRB Cities/EERC, Rochester City Staff, LGU, SWCD	4/28/2006
Stormwater "Citizen Information Line"	General Public	Rochester		4/28/2006
Community Clean Ups for Water Quality	General Public, Residents	Red River Basin	Nine mile Water District,	4/28/2006
Community Clean Ups for Water Quality	General Public, Residents	Minnesota Valley	RRB Cities/EERC,	4/28/2006
Community Clean Ups for Water Quality	General Public, Residents	Duluth		4/28/2006
Community Clean Ups for Water Quality	General Public, Residents	Nine mile Watershed District	South St. Louis SWCD,	4/28/2006
Community Clean Ups for Water Quality	General Public, Residents	City of Rochester	NGO's, LGUs, advocacy groups, e.g., Friends of MN Valley, CCMR (Cit for a Clean MN Riv.)	4/28/2006
Adopt a storm drain leaf and sediment clean up	Homeowners	City of Duluth	Duluth RSPT	4/28/2006
Stream Monitoring	K-12	Duluth	NRR/Sea Grant	4/28/2006
Stream Monitoring	K-12	Red River Valley	RRB Cities/EERC	4/28/2006
Stream Monitoring	K-12	Twin Cities Metro	VSMP (Vol Stm Monitoring Prog)	4/28/2006
Stream Monitoring	General Public	Statewide	MPCA	4/28/2006
Lake Monitoring	General Public	Statewide	MPCA, LGU, Watershed Districts	4/28/2006
Wetland Monitoring	General Public	Metro	WHEP, MPCA	4/28/2006
Litter Bag distribution @ summer parade	General Public	Rochester	City staff & volunteers	4/28/2006
Info Booths: Fair, Arbor day, Nature Center	General Public	Rochester	City Staff/SWCD	4/28/2006
Info Booths: Fair, Arbor day, Nature Center	General Public	?		
Watershed Network Reporting	Public	Minnesota River Basin	NGO's other Citizens for a Clean Minnesota River	4/28/2006
Water Testing for Homeowners	County Residents	Stearns County	SWCD	4/28/2006
Shoreline Restoration and Rain Garden Installation	County Residents	Stearns County	SWCD/ Sauk River Watershed District	4/28/2006
Shoreline Restoration and Rain Garden Installation	County Residents	?		
Forest Management Education	Riparian Property Owners	Northwest Minnesota	MN extension, Sea Grant, South St. Louis SWCD	4/28/2006
Homeowner Handouts	General Public	Statewide	MPCA, Builders, LGUs, and others	4/28/2006
Stormwater Surveys of knowledge and action	General Public	St. Cloud and Sauk River Watershed District,	St. Cloud and Sauk River Watershed District, Metro Council, Metro Watershed Partners, MPCA via Hamline U.	4/28/2006
Stormwater Surveys of knowledge and action	General Public	Twin Cities Metro Area		
Community Clean Ups for Water Quality	General Public, Residents	Statewide	AAR/DNR	10/3/2007
Stream Monitoring	K-12	N Central Lakes	Outdoor corps	10/3/2007
Stream Monitoring	General Public	N Central Lakes	Outdoor corps	10/3/2007
Lake Monitoring	General Public	N Central Lakes	Outdoor corps	10/3/2007
Trash drop off days	general public			10/3/2007
education center	k-12 students	Eden Prairie	Eden Prairie	10/3/2007
Shoreline Restoration and Rain Garden Installation	County Residents	Stearns County	Middle Fork Crow River	10/9/2007
Report a problem web link	general public	Eden Prairie	Eden Prairie	10/3/2007

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Illicit Discharge Detection and Elimination				
Activity	Audience	Location	Provider	Date
IDDE Class May 10-11	MS4 Permit Preparers	St. Paul	UM / MPCA	4/28/2006
Stormwater "Citizen Information Line"	Public	Red River Basin, Duluth, Rochester	RSPT, Red River Basin/EERC, SWCD, Duluth, Rochester	4/28/2006
Watershed Network	Public	Minnesota River Basin	NGOs, CCMR, CURE	4/28/2006
Advise cities on inspection requirements and methods	City Staff	?	Engineering Firms, SWCDs	4/28/2006
Litter Collection Program	Participants and residents	Rochester	Rochester City Staff, Public Works (Community Work Service crews, Sentence to Serve crews, Summer of Service students)	4/28/2006
Storm Drain Marking	General Public	Rochester	Summer of Service	4/28/2006
Storm Drain Marking	General Public	Others LGUs	School Groups	4/28/2006
Storm Drain Marking	General Public		Service Groups	4/28/2006
Fact Sheets	General	Red River Basin	Red River Basin City, Riverkeepers EERC	4/28/2006
Website	General	Red River Basin	Red River Basin, Riverkeepers, EERC	4/28/2006
Promote use of the County's Household Hazardous Waste Facility	General	Olmsted County	Olmsted County and Rochester City Staff	4/28/2006
Various Agency Programs	Industry, Local government	Statewide	MPCA programs	4/28/2006
-Hazardous Waste	Industry, Local government	Statewide	MPCA programs	4/28/2006
-Tanks	Industry, Local government	Statewide	MPCA programs	4/28/2006
(Proposed training)	Planners, engineers, field staff	Statewide	U of M extension	10/3/2007
Storm Drain Marking	General Public	St. cloud	st. Cloud	10/9/2007
Promote use of the County's Household Hazardous Waste Facility	General Public	stearns county and area	LGU	10/9/2007
video	DOT	DOT metro	MNDOT	10/3/2007

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Construction Site Stormwater Management				
Activity	Audience	Location	Provider	Date
POINT OF USE EDUCATION				
ESC information and design required on plan sheets, grading plans,	Contractors, developers, city staff	Rochester	Engineering Designers	6/24/2006
ESC information and design required on plan sheets, grading plans, and check lists	Contractors, developers, city staff	Rochester	City staff	6/24/2006
Educate city staff on construction and MS4 requirements	City Staff	Rochester (& all MS4 communities)	City staff	6/24/2006
Fact Sheet Distributed with Building Permits	Developers, Builders, Contractors	Rochester	Rochester City Staff and EERC	6/24/2006
		Red River Basin		6/24/2006
ESC inspections and correspondence	Builders, Developers, Contractors	Rochester	Rochester City Staff	6/24/2006
MPCA Stormwater Pilot Program Site Inspections	Developers, Contractors, Excavators	Stearns County + 9 others	Stearns Environmental Service/ SWCD/ nine other counties	6/24/2006
Calendar and other materials (fact sheet, "Blue Book" and Tool kits)	Contractors	Statewide	MPCA	6/24/2006
Subdivision Signage	Contractors and subcontractors	Rochester, metro	Private	6/24/2006
Complaint Response	General Public	Rochester	Rochester City Staff, SWCD	6/24/2006
Complaint Response	General Public	?		6/24/2006
ESC Enforcement	Developers, Builders, Contractors	Rochester	Rochester City Staff, SWCD	6/24/2006
		?		6/24/2006
Field Onsite Training	Builders, Contractors	Rochester	Engineers and builders	6/24/2006
Phone inquiry response (tutoring)	Developers, Builders, Contractors	Rochester	Rochester City Staff	6/24/2006
PUBLICATIONS				
Educate on BMPs via	Builders, contractors, excavators, city staff, general	Red River Basin Cities	City staff, SWCD staff	6/24/2006
newsletters, fact sheets, brochures, and posters		Rochester		6/24/2006
Monthly publications; Land & Water, Stormwater, Land Development Today, Erosion Control Grading and Excavation	Contractors, Developers, LGU staff, educators	National	Individual publishers and associations.	6/24/2006
"Button Up" flyers/notices	Contractors	Metro area; Rochester	Cities, Design Professionals	6/24/2006
MANUALS				
Pocket Field Guides	All	Statewide	UM, MDOT, BATC	6/24/2006
MNDOT Handbook	All	Statewide	MNDOT/ UM	6/24/2006
WEBSITE				
"Dirt Time"	All	National	ESCN	6/24/2006
ESCN TV	All	National	ESCN	6/24/2006
Website	Contractors, Developers, LGU staff, educators	National	Land Improvement Contractors Association	6/24/2006
TRAINING AND COURSES				
Stormwater Basics Course	Contractors and builders	Statewide	Multiple/BATC	6/24/2006
CPESC/CPSWQ Courses	Builders, Contractors, Engineers, Inspectors	Statewide	CPESC, Inc	6/24/2006
SWPPP Design	Engineers and Inspectors	Statewide	IECA/RPA (Resource Professionals Alliance)	6/24/2006
Inspector Training	Inspectors – both private and public	Statewide	CISEC and EERC	6/24/2006
ESC 101	All- Construction, Engineers, Regulators	Statewide	Engineering Designs	6/24/2006
BMP installation training	Contractors, Designers, Regulators	UM, Lake/Cook Counties	UM	10/3/2007
BMP installation training	Contractors, Designers, Regulators	UM, Lake/Cook Counties	UM-Lake/Cook Counties	6/24/2006
Construction Site Management	Contractors, Designers, Regulators	Statewide	UM	10/3/2007
ESC Task Force	Builders, Developers, Contractors, Regulators	Rochester	Rochester City Staff	6/24/2006
Workshops and Presentations- '04-'06	Design Professionals, City Staff, Contractors, Developers, Builders	Multiple	RSPT, RRB/EERC, SWCD, MBA, BATC, MECA CMBA, Rochester	6/24/2006
SWPPP Design	Designers and Regulators	?	UM	10/3/2007

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Construction Site Stormwater Management				
Activity	Audience	Location	Provider	Date
Erosion Control Workshops	Contractors Designers	Red River Basin	MECA, City staff, EERC	6/24/2006
Erosion Control Workshops	Contractors Designers	Others		6/24/2006
MECA Annual Conference	Contractors, Designers, Regulators, LGU	Minneapolis	MECA	10/3/2007
RPA December Conference	All		RPA (Resource Professionals Alliance)	6/24/2006
Construction Site Management	Contractors	?	AGC/MUCA	6/24/2006
Vendor Sponsored Training Workshops and CDs	Contractors	?	Brock White, Partek Supply, Specialty turf and AG	6/24/2006
DRT meetings	Cities/Construction	Statewide	Cities/Counties	6/24/2006
Field Onsite Training	contractors	metro	MECA	10/3/2007
WEBSITE	developers	metro	BATC	10/3/2007
workshop	developers municipalities	metro	batc	10/3/2007
regulatory inspector training	regulatory inspectors	Statewide	U of M	10/3/2007
NEMO	elected officials	Statewide	extension + partners	10/3/2007
(proposed) workshops	planners, engineers, field staff	Statewide	extension	10/3/2007
ESC information and design required on plan sheets, grading plans, and check lists	Contractors, developers, city staff	Stearns County	SWCD	10/9/2007
Fact Sheet Distributed with Building Permits	Developers, Builders, Contractors	Stearns County	LGU	10/9/2007
Complaint Response	General Public	Stearns County	LGU	10/9/2007
ESC Enforcement	Developers, Builders, Contractors	stearns county	LGU	10/9/2007
Field Onsite Training	builders, contractors	stearns	SWCD	10/9/2007
Growing Green workshops	planners	Statewide	DNR, CR planning	10/3/2007

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Post Construction Stormwater Management				
Activity	Audience	Location	Provider	Date
POINT OF USE EDUCATION				
One-on-one education on stormwater mgt. BMPs	Developers, Design Professionals, City Staff	Rochester	Rochester City Staff	4/24/2006
One-on-one education on stormwater mgt. BMPs	Developers, Design Professionals, City Staff	Stearns County	Stearns SWCD	4/24/2006
One-on-one education on stormwater mgt. BMPs	Developers, Design Professionals, City Staff	Other?		
Stormwater mgt. planning city-wide and on proposed developments	Developers, Design Professionals, City Staff	Rochester	Rochester City Staff	4/24/2006
Stormwater mgt. planning city-wide and on proposed developments	Developers, Design Professionals, City Staff	Stearns County	Stearns SWCD	4/24/2006
Stormwater mgt. planning city-wide and on proposed developments	Developers, Design Professionals, City Staff	Other?	Consultants	4/24/2006
PUBLICATIONS				
Fact sheets, brochures	General public, homeowners	Red River Basin	RRB Cities / EERC	4/24/2006
Fact sheets, brochures	Developers, contractors	Stearns County	Stearns County	4/24/2006
Fact sheets, brochures	LGU staff	Other?		
MANUALS				
Minnesota Stormwater Manual and trainings on Manual	Contractors, Design Professionals, LGU staff	Statewide	Stormwater Steering Committee,	4/24/2006
Minnesota "Protecting WQ in Urban Areas" manual, "Plants for Stormwater Design", fact sheets, tool kit.	Contractors, Design Professionals, LGU staff	Statewide	MPCA	4/24/2006
WEBSITES / CD RESOURCES				
Lakesuperiorstreams.org website and site design tool kit	Homeowners, Contractors	NE Minnesota	Duluth RSPT, UM NRRI, UM Sea	4/24/2006
	LGU staff			
Stormwater Mgt Design Interactive CD	Design professionals	Statewide	MPCA, MDOT, UM	4/24/2006
TRAINING AND COURSES				
General Meetings	General public, homeowners	Red River Basin	RRB Cities / EERC	4/24/2006
General Meetings	Developers, contractors	Stearns County	Stearns County	4/24/2006
General Meetings	LGU staff	Other?		
Calcareous Fen Mgt.	Water resource professionals, developers, engineers, City staff	Rochester	Rochester City Staff	4/24/2006
Design of SWPPP Class 2006-07	Contractors, Design Professionals, LGU staff	Statewide	UM Erosion and Sediment Control	4/24/2006
Fall Low Impact Development Tour	Contractors, Design Professionals, LGU staff	Metro	MECA, MN (Erosion Control	4/24/2006
Annual MECA Conference (MN Erosion Control Association)	Contractors, Design Professionals, LGU staff	Metro	MECA (MN Erosion Control	4/24/2006
				4/24/2006
Training Workshops 2004-06	RPA (Resource Professionals Alliance, Inc.)	NE Minnesota	Duluth RSPT	4/24/2006
BMP Inspection	Private, public	Statewide	IECA / RPA (Resource Professionals	4/24/2006
	Maintenance CO's			4/24/2006

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Activity	Audience	Location	Provider	Date
BMP Design and Maintenance	Design Professionals	Statewide	IECA / RPA (Resource Professionals Alliance, Inc.)	4/24/2006
	Public		Environmental Resources Center, UW-Madison	4/24/2006
December Conference	Contractors, Developers, Design professionals, LGU staff	?	RPA (Resource Professionals Alliance, Inc.)	4/24/2006
Minnesota Water Resources Conference	Design professionals, educators, researchers, LGU staff	Metro	UM Water Resources Center	4/24/2006
LOCAL GOV'T OFFICIAL TRAINING				
NEMO education (Nonpoint Source Education for Elected	Elected Officials, their staff and consultants	NE Minnesota	UM Sea Grant, UM Extension,	4/24/2006
		Metro Area		
Education coming out of the Non-Degradation Analysis	Elected Officials, LGU staff, design professionals	Statewide	Selected MS4s and their consultants	4/24/2006
Stormwater management planning for non-MS4 cities in Greater Blue Earth Watershed	Elected Officials, LGU staff, design professionals	Blue Earth Watershed	MPCA grant	4/24/2006
Low Impact Development education for Lake City (pending)	Elected Officials, LGU staff, design professionals	Lake City, MN	MPCA grant	4/24/2006
Developer stormwater practice maintenance agreements/	Landowners, LGU staff	NE Minnesota, Rochester	Cities, Townships, County,	4/24/2006
Blue Thumb	General public	Statewide	Rice Creek	10/3/2007
BMP Assessment training	city staff, consultants	Statewide	U of M	10/3/2007
LID tour	MPCA, Associations	Metro Area	MPCA	10/3/2007
NEMO education (Nonpoint Source Education for Elected Officials)	elected officials	Statewide	extension	10/3/2007

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Municipal Pollution Prevention / Housekeeping				
Activity	Audience	Location	Provider	Date
Posters, Fact Sheets	Muni Employees	Red River Basin	Red River Basin City Staff / EERC	4/24/2006
General Meeting	Muni Employees	Red River Basin	Red River Basin City Staff / EERC	4/24/2006
MPCA Salt Management workshops	Property Mangers, Local Government	Statewide	MPCA, Fortin Consulting	4/24/2006
Staff meetings and training and email updates	LGU Staff	Rochester, Red River Basin	Rochester City Staff, Red River Basin City Staff	4/24/2006
Technical Assistance (one on one; specific issues) (MS4, non-deg rule)-WDS	LGU Staff	Rochester, Stearns County	Rochester City Staff, Stearns SWCD, watershed districts (e.g., Nine Mile)	4/24/2006
Maintenance Staff Training Class- 2006/handbook	MN/DOT Employees	Statewide	UM / MDOT	4/24/2006
Standard Operational Procedures and SWPPP development	LGU Staff	Rochester, Red River Basin, Stearns	Rochester City Staff/ Consultants/ SWCD / EERC	4/24/2006
Operational Audits	LGU Staff	Rochester, Red River Basin, Stearns	Rochester City Staff/ Consultants/ SWCD/ EERC	4/24/2006
Project NEMO	Elected Officials and Staff	Northwest Minnesota, Metro Area	WDs, Agencies, city/county staff, NGO's etc	4/24/2006
Technical Advisory Committee	LGU staff	Stearns	WDs, SWCD	4/24/2006
Website	LGU Staff	Red River Basin, Stearns	Red River Basin City Staff, SWCD	4/24/2006
Road Salt Education	City/County/State Staff	Statewide	Fortin Consulting, Watershed Districts	4/24/2006
Stormwater Education Program Design Workshops , 2002-2003	WS4 Staff	Metro	UM Extension, Metro WaterShed Partners	4/24/2006
Training For Golf Course Staff	Golf Course Mangers	Statewide	UM Extension	4/24/2006
Training for Pesticide Appliances	Pesticide Applicators	Statewide	MDA/UM Extension	4/24/2006
MS4 Training	Cities	Statewide, including Red River Basin, Duluth	EERC, RSPT, LMC (League of MN Cities)	4/24/2006
MS4 Training	"New" discretionary cities	Statewide	LMC	4/24/2006
ESC Program Development	Cities	???	Engineers	4/24/2006
Community Clean Up's For Water Quality (increases street sweeper timing and usage)	City staff, street sweeper operators	Red River Basin and Minnesota River Basin	NGOs, FMR, CCMR, Red River Basin City Staff	4/24/2006
MS4 Stormwater Mgt Guide Plan	Cities	Statewide	LMC	4/24/2006
Council Meetings	City Officials and Staff	?	Engineers	4/24/2006
Inter Governmental Consulting Agents	Cities	?	Engineers	4/24/2006
Two Videos: Truck Stations, IDD	MNDOT	Statewide	MNDOT	4/24/2006
water resource coordinator group	municipal, county WD staff			10/3/2007
BMP assessment training	city staff	statewide	U of M	10/3/2007
Storm water management plans	public	metro	municipalities, watershed dist.	10/3/2007
SEP	planners, engineers, staff	statewide	U of M extension	10/3/2007

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Public Education and Outreach				
Activity	Audience	Location	Provider	Last Date
Regional media outreach, TV, radio, press releases	General Public	Duluth / Superior Area	Duluth Area RSPT (Regional Stormwater Protection Team)	4/28/2006
Regional media outreach, TV, radio, press releases	General Public	Red River Basin	EERC (Energy & Environmental Research Center, UND)	4/28/2006
Regional media outreach, TV, radio, press releases	General Public	Twin Cities	Metro Watershed Partners supported by MS4 funding.	10/3/2007
Regional media outreach, TV, radio, press releases	General Public	City of Rochester	City of Rochester staff	4/28/2006
Regional media outreach, TV, radio, website, Newspaper ads	General public	St. Cloud area	Central MN Water Education Alliance	10/3/2007
Newsletters, newsletter articles	General Public	Statewide	LGUs in general.	4/28/2006
Newsletters, newsletter articles	General Public	Statewide	Specifics: Nine Mile WD, City of Rochester, EERC for Red River Basin cities	4/28/2006
Stormwater education with city utility bills	General Public	LGUs in general. Specifics: Rochester, New Ulm, St. Cloud, etc.	LGUs, SWCD	4/28/2006
Presentations to neighborhoods, lake groups, interest groups, etc.	General Public, Property Owners	Statewide	Watershed districts, SWCDs, Advocacy groups, LGUs, etc.	4/28/2006
Presentations utilizing music	General Public	Minnesota River Basin, Rochester	Scott Sparlin with CCMR (Citizens for a Clean MN River)	4/28/2006
Presentations utilizing drama, puppets	General Public	Twin Cities Metro Area	The Toonies Puppet Theater	4/28/2006
Kiosks and display space for monthly posters and many fact sheets	General Public	City of Rochester	Science Museum of Minnesota	4/28/2006
Event displays, kiosks	General public	Metro, Rochester	City of Rochester staff	4/28/2006
Event displays, kiosks	General public	Others?	Metro WaterShed Partners	4/28/2006
Event displays, kiosks	General public		CGEE, Hamline University	4/28/2006
Event displays, kiosks	General public		Science Museum of MN, Rochester City staff	4/28/2006
Multi Media Education CD's, e.g.,	General Public	Statewide	Hamline University	4/28/2006
"Water Down Drain"	General Public	Statewide	Hamline University	4/28/2006
Stormwater information websites	General Public, Professionals	Several, including:	LGU staff, consortium staff, etc.	4/28/2006
Stormwater information websites	General Public, Professionals	City of Rochester	LGU staff, consortium staff, etc.	4/28/2006
Stormwater information websites	General Public, Professionals	Red River Basin Cities	LGU staff, consortium staff, etc.	4/28/2006
Stormwater information websites	General Public, Professionals	Lake Superior Streams	LGU staff, consortium staff, etc.	4/28/2006
Stormwater information websites	General Public, Professionals	www.cleanwatermn.org	LGU staff, consortium staff, etc.	4/28/2006
State Fair	General Public	St. Paul	MPCA, Metro WaterShed Partners	4/28/2006
eco experience	general public	St. Paul	MPCA, EOR	10/3/2007
Children's Water Festivals	K-12	Statewide – including Rochester, Red River Basin, Metro Area	Rochester's Nature Center, EERC, City Staff, SWCD	4/28/2006
Yard Care Education	General Public	Statewide	UM Extension	4/28/2006
http://www.sustland.umn.edu/				
Citizen Workshops on rain gardens, yard care, rain barrels, etc.	General public	Metro	Friends of the Mississippi River	4/28/2006
Citizen Workshops on rain gardens, yard care, rain barrels, etc.	General public	Others?	UM Extension	4/28/2006
Citizen Workshops on rain gardens, yard care, rain barrels, etc.	General public		Watershed districts	4/28/2006
Citizen Workshops on rain gardens, yard care, rain barrels, etc.	General public		Other?	
Curb stenciling and similar practices (ask Scott Sparlin); curb stamping (ask Jesse Schomberg)	General Public	Statewide	NGOs, watershed districts, LGUs	4/28/2006
Curb stenciling	General Public	Statewide	FMR	10/3/2007
Sucker River Watershed Protection Plan (social marketing education grant)	General Public	Sucker River Watershed	MPCA P2 Grant	4/28/2006
Linking Wetland Health with Stormwater (specific to calcareous fen protection)	General Public	City of Rochester	Rochester City Staff	4/28/2006
Welcome letters to new city residents	New city residents	Red River Basin	Red River Basin Cities / EERC	4/28/2006
Shoreland Education Workshops	Shoreline property owners	Statewide	UM Extension	4/28/2006
Lake City "Getting Ready for Change Campaign"	Elected Officials, General Public	Lake City	MPCA PA division	4/28/2006
Community water festivals	General Public	Metro, Red River Valley, Duluth, Others	Capitol Region Watershed District, Ramsey/ Washington Watershed District, Red River Basin, EERC	4/28/2006
K-12 Education Materials on Lakes	Youth, Grades K-12	Statewide	MECA, Fortrin Consulting	4/28/2006
Grade 1-4 + 5-6 Education	Youth, Grades 1-6	Red River Basin	Red River Basin City Staff/EERC	4/28/2006
Coloring contest "Rex the Dog"	Youth, K-12	Duluth	RSPT	4/28/2006
MS4 Outreach Materials	Stormwater Managers, General Public	Metro Wide	Metro Watershed Partners	4/28/2006
www.cleanwatermn.org	Stormwater Managers, General Public	Metro Wide	Metro Watershed Partners	4/28/2006
Permit Training/fact sheets (various)	Stormwater Managers	Statewide	MPCA	4/28/2006
Stormwater Blog	Stormwater Mangers, General Public	Statewide	MPCA	4/28/2006
MPCA Stormwater Program Website	Stormwater Managers, General Public	Statewide	MPCA	4/28/2006
Air, Water, Waste Conference	Stormwater Managers, General Public	Statewide	MPCA	4/28/2006
Annual MS4 reports	City Council; General Public	Rochester, many other MS4	City staff	4/28/2006
water education workshops	k-12 educators	state wide	Project WET/ DNR	10/3/2007
Shoreland Education Workshops	property owners	statewide	DNR	10/3/2007
K-12 Education Materials on Lakes	k-12 student	statewide	Mnwaters	10/3/2007
blue thumb	general public	metro	Rice Creek + partners	10/3/2007
new resident packets	general public	several cities	Eden Prairie	10/3/2007
water resource coordinator group	city staff	?	?	10/3/2007
Children's Water Festivals	4th graders	Stearns County	Sauk River and Clearwater River WD	10/9/2007
Websites	General public	www.nmwaterconnection.org	Central MN Water Education Alliance	10/9/2007
Citizen Workshops on rain gardens, yard care, rain barrels, etc.	general public	Stearns County	Middle Fork North Crow River	10/9/2007
curb Stenciling	general public	St. Cloud	City of St. Cloud	10/9/2007
Shoreland Education Workshops	Shoreland Contractors	Stearns County	SWCD and LGU	10/9/2007
movie preview commercials	general public	Plymouth	Plymouth	10/3/2007

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Public Participation and Involvement				
Activity	Audience	Location	Provider	Date
Public hearing meeting on SWPPP	General Public, City Councils	Statewide	City staff	4/28/2006
Citizen Advisory Committee Education	Citizen Advisory Committees and their contacts	?	Watershed Districts, SWCD	4/28/2006
Stormwater "Citizen Information Line"	General Public	Duluth RSPT	Duluth RSPT, RRB Cities/EERC, Rochester City Staff, LGU, SWCD	4/28/2006
Stormwater "Citizen Information Line"	General Public	Rochester		4/28/2006
Community Clean Ups for Water Quality	General Public, Residents	Red River Basin	Nine mile Water District,	4/28/2006
Community Clean Ups for Water Quality	General Public, Residents	Minnesota Valley	RRB Cities/EERC,	4/28/2006
Community Clean Ups for Water Quality	General Public, Residents	Duluth		4/28/2006
Community Clean Ups for Water Quality	General Public, Residents	Nine mile Watershed District	South St. Louis SWCD,	4/28/2006
Community Clean Ups for Water Quality	General Public, Residents	City of Rochester	NGO's, LGUs, advocacy groups, e.g., Friends of MN Valley, CCMR (Cit for a Clean MN Riv.)	4/28/2006
Adopt a storm drain leaf and sediment clean up	Homeowners	City of Duluth	Duluth RSPT	4/28/2006
Stream Monitoring	K-12	Duluth	NRRI/Sea Grant	4/28/2006
Stream Monitoring	K-12	Red River Valley	RRB Cities/EERC	4/28/2006
Stream Monitoring	K-12	Twin Cities Metro	VSMF (Vol Stm Monitoring Prog)	4/28/2006
Stream Monitoring	General Public	Statewide	MPCA	4/28/2006
Lake Monitoring	General Public	Statewide	MPCA, LGU, Watershed Districts	4/28/2006
Wetland Monitoring	General Public	Metro	WHEP, MPCA	4/28/2006
Litter Bag distribution @ summer parade	General Public	Rochester	City staff & volunteers	4/28/2006
Info Booths: Fair, Arbor day, Nature Center	General Public	Rochester	City Staff/SWCD	4/28/2006
Info Booths: Fair, Arbor day, Nature Center	General Public	?		
Watershed Network Reporting	Public	Minnesota River Basin	NGO's other Citizens for a Clean Minnesota River	4/28/2006
Water Testing for Homeowners	County Residents	Stearns County	SWCD	4/28/2006
Shoreline Restoration and Rain Garden Installation	County Residents	Stearns County	SWCD/ Sauk River Watershed District	4/28/2006
Shoreline Restoration and Rain Garden Installation	County Residents	?		
Forest Management Education	Riparian Property Owners	Northwest Minnesota	MN extension, Sea Grant, South St. Louis SWCD	4/28/2006
Homeowner Handouts	General Public	Statewide	MPCA, Builders, LGUs, and others	4/28/2006
Stormwater Surveys of knowledge and action	General Public	St. Cloud and Sauk River Watershed District,	St. Cloud and Sauk River Watershed District, Metro Council, Metro Watershed Partners, MPCA via Hamline U.	4/28/2006
Stormwater Surveys of knowledge and action	General Public	Twin Cities Metro Area		
Community Clean Ups for Water Quality	General Public, Residents	Statewide	AAR/DNR	10/3/2007
Stream Monitoring	K-12	N Central Lakes	Outdoor corps	10/3/2007
Stream Monitoring	General Public	N Central Lakes	Outdoor corps	10/3/2007
Lake Monitoring	General Public	N Central Lakes	Outdoor corps	10/3/2007
Trash drop off days	general public			10/3/2007
education center	k-12 students	Eden Prairie	Eden Prairie	10/3/2007
Shoreline Restoration and Rain Garden Installation	County Residents	Stearns County	Middle Fork Crow River	10/9/2007
Report a problem web link	general public	Eden Prairie	Eden Prairie	10/3/2007

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Illicit Discharge Detection and Elimination				
Activity	Audience	Location	Provider	Date
IDDE Class May 10-11	MS4 Permit Preparers	St. Paul	UM / MPCA	4/28/2006
Stormwater "Citizen Information Line"	Public	Red River Basin, Duluth, Rochester	RSPT, Red River Basin/EERC, SWCD, Duluth, Rochester	4/28/2006
Watershed Network	Public	Minnesota River Basin	NGOs, CCMR, CURE	4/28/2006
Advise cities on inspection requirements and methods	City Staff	?	Engineering Firms, SWCDs	4/28/2006
Litter Collection Program	Participants and residents	Rochester	Rochester City Staff, Public Works (Community Work Service crews, Sentence to Serve crews, Summer of Service students)	4/28/2006
Storm Drain Marking	General Public	Rochester	Summer of Service	4/28/2006
Storm Drain Marking	General Public	Others LGUs	School Groups	4/28/2006
Storm Drain Marking	General Public		Service Groups	4/28/2006
Fact Sheets	General	Red River Basin	Red River Basin City, Riverkeepers EERC	4/28/2006
Website	General	Red River Basin	Red River Basin, Riverkeepers, EERC	4/28/2006
Promote use of the County's Household Hazardous Waste Facility	General	Olmsted County	Olmsted County and Rochester City Staff	4/28/2006
Various Agency Programs	Industry, Local government	Statewide	MPCA programs	4/28/2006
-Hazardous Waste	Industry, Local government	Statewide	MPCA programs	4/28/2006
-Tanks	Industry, Local government	Statewide	MPCA programs	4/28/2006
(Proposed training)	Planners, engineers, field staff	Statewide	U of M extension	10/3/2007
Storm Drain Marking	General Public	St. cloud	st. Cloud	10/9/2007
Promote use of the County's Household Hazardous Waste Facility	General Public	stearns county and area	LGU	10/9/2007
video	DOT	DOT metro	MNDOT	10/3/2007

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Construction Site Stormwater Management				
Activity	Audience	Location	Provider	Date
POINT OF USE EDUCATION				
ESC information and design required on plan sheets, grading	Contractors, developers, city staff	Rochester	Engineering Designers	6/24/2006
ESC information and design required on plan sheets, grading plans, and check lists	Contractors, developers, city staff	Rochester	City staff	6/24/2006
Educate city staff on construction and MS4 requirements	City Staff	Rochester (& all MS4 communities)	City staff	6/24/2006
Fact Sheet Distributed with Building Permits	Developers, Builders, Contractors	Rochester	Rochester City Staff and EERC	6/24/2006
		Red River Basin		6/24/2006
ESC inspections and correspondence	Builders, Developers, Contractors	Rochester	Rochester City Staff	6/24/2006
MPCA Stormwater Pilot Program Site Inspections	Developers, Contractors, Excavators	Stearns County + 9 others	Stearns Environmental Service/ SWCD/ nine other counties	6/24/2006
Calendar and other materials (fact sheet, "Blue Book" and Tool kits)	Contractors	Statewide	MPCA	6/24/2006
Subdivision Signage	Contractors and subcontractors	Rochester, metro	Private	6/24/2006
Complaint Response	General Public	Rochester	Rochester City Staff, SWCD	6/24/2006
Complaint Response	General Public	?		6/24/2006
ESC Enforcement	Developers, Builders, Contractors	Rochester	Rochester City Staff, SWCD	6/24/2006
		?		6/24/2006
Field Onsite Training	Builders, Contractors	Rochester	Engineers and builders	6/24/2006
Phone inquiry response (tutoring)	Developers, Builders, Contractors	Rochester	Rochester City Staff	6/24/2006
PUBLICATIONS				
Educate on BMPs via newsletters, fact sheets, brochures, and posters	Builders, contractors, excavators, city staff, general	Red River Basin Cities	City staff, SWCD staff	6/24/2006
Monthly publications; Land & Water, Stormwater, Land Development Today, Erosion Control Grading and Excavation	Contractors, Developers, LGU staff, educators	National	Individual publishers and associations.	6/24/2006
"Button Up" flyers/notices	Contractors	Metro area; Rochester	Cities, Design Professionals	6/24/2006
MANUALS				
Pocket Field Guides	All	Statewide	UM, MDOT, BATC	6/24/2006
MNDOT Handbook	All	Statewide	MNDOT/ UM	6/24/2006
WEBSITE				
"Dirt Time"	All	National	ESCN	6/24/2006
ESCN TV	All	National	ESCN	6/24/2006
Website	Contractors, Developers, LGU staff, educators	National	Land Improvement Contractors Association	6/24/2006
TRAINING AND COURSES				
Stormwater Basics Course	Contractors and builders	Statewide	Multiple/BATC	6/24/2006
CPESC/CPSWQ Courses	Builders, Contractors, Engineers, Inspectors	Statewide	CPESC, Inc	6/24/2006
SWPPP Design	Engineers and Inspectors	Statewide	IECA/RPA (Resource Professionals Alliance)	6/24/2006
Inspector Training	Inspectors – both private and public	Statewide	CISEC and EERC	6/24/2006
ESC 101	All- Construction, Engineers, Regulators	Statewide	Engineering Designs	6/24/2006
BMP installation training	Contractors, Designers, Regulators	UM, Lake/Cook Counties	UM	10/3/2007
BMP installation training	Contractors, Designers, Regulators	UM, Lake/Cook Counties	UM-Lake/Cook Counties	6/24/2006
Construction Site Management	Contractors, Designers, Regulators	Statewide	UM	10/3/2007
ESC Task Force	Builders, Developers, Contractors, Regulators	Rochester	Rochester City Staff	6/24/2006
Workshops and Presentations- '04-'06	Design Professionals, City Staff, Contractors, Developers, Builders	Multiple	RSPT, RRB/EERC, SWCD, MBA, BATC, MECA CMBA, Rochester	6/24/2006
SWPPP Design	Designers and Regulators	?	UM	10/3/2007
Erosion Control Workshops	Contractors Designers	Red River Basin	MECA, City staff, EERC	6/24/2006
Erosion Control Workshops	Contractors Designers	Others		6/24/2006
MECA Annual Conference	Contractors, Designers, Regulators, LGU	Minneapolis	MECA	10/3/2007
RPA December Conference	All		RPA (Resource Professionals Alliance)	6/24/2006
Construction Site Management	Contractors	?	AGC/MUCA	6/24/2006
Vendor Sponsored Training Workshops and CDs	Contractors	?	Brock White, Partek Supply, Specialty turf and AG	6/24/2006
DRT meetings	Cities/Construction	Statewide	Cities/Counties	6/24/2006
Field Onsite Training	contractors	metro	MECA	10/3/2007
WEBSITE	developers	metro	BATC	10/3/2007
workshop	developers municipalities	metro	bate	10/3/2007
regulatory inspector training	regulatory inspectors	Statewide	U of M	10/3/2007
NEMO	elected officials	Statewide	extension + partners	10/3/2007
(proposed) workshops	planners, engineers, field staff	Statewide	extension	10/3/2007
ESC information and design required on plan sheets, grading plans, and check lists	Contractors, developers, city staff	Stearns County	SWCD	10/9/2007
Fact Sheet Distributed with Building Permits	Developers, Builders, Contractors	Stearns County	LGU	10/9/2007
Complaint Response	General Public	Stearns County	LGU	10/9/2007
ESC Enforcement	Developers, Builders, Contractors	stearns county	LGU	10/9/2007
Field Onsite Training	builders, contractors	stearns	SWCD	10/9/2007
Growing Green workshops	planners	Statewide	DNR, CR planning	10/3/2007

Partial inventory of stormwater education occurring across the state
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Post Construction Stormwater Management				
Activity	Audience	Location	Provider	Date
POINT OF USE EDUCATION				
One-on-one education on stormwater mgt. BMPs	Developers, Design Professionals, City Staff	Rochester	Rochester City Staff	4/24/2006
One-on-one education on stormwater mgt. BMPs	Developers, Design Professionals, City Staff	Stearns County	Stearns SWCD	4/24/2006
One-on-one education on stormwater mgt. BMPs	Developers, Design Professionals, City Staff	Other?		
Stormwater mgt. planning city-wide and on proposed	Developers, Design Professionals, City Staff	Rochester	Rochester City Staff	4/24/2006
Stormwater mgt. planning city-wide and on proposed developments	Developers, Design Professionals, City Staff	Stearns County	Stearns SWCD	4/24/2006
Stormwater mgt. planning city-wide and on proposed developments	Developers, Design Professionals, City Staff	Other?	Consultants	4/24/2006
PUBLICATIONS				
Fact sheets, brochures	General public, homeowners	Red River Basin	RRB Cities / EERC	4/24/2006
Fact sheets, brochures	Developers, contractors	Stearns County	Stearns County	4/24/2006
Fact sheets, brochures	LGU staff	Other?		
MANUALS				
Minnesota Stormwater Manual and trainings on Manual	Contractors, Design Professionals, LGU staff	Statewide	Stormwater Steering Committee,	4/24/2006
Minnesota "Protecting WQ in Urban Areas" manual, "Plants for Stormwater Design", fact sheets, tool kit.	Contractors, Design Professionals, LGU staff	Statewide	MPCA	4/24/2006
WEBSITES / CD RESOURCES				
Lakesuperiorstreams.org website and site design tool kit	Homeowners, Contractors	NE Minnesota	Duluth RSPT, UM NRRI, UM Sea	4/24/2006
	LGU staff			
Stormwater Mgt Design Interactive CD	Design professionals	Statewide	MPCA, MDOT, UM	4/24/2006
TRAINING AND COURSES				
General Meetings	General public, homeowners	Red River Basin	RRB Cities / EERC	4/24/2006
General Meetings	Developers, contractors	Stearns County	Stearns County	4/24/2006
General Meetings	LGU staff	Other?		
Calcareous Fen Mgt.	Water resource professionals, developers, engineers, City staff	Rochester	Rochester City Staff	4/24/2006
Design of SWPPP Class 2006-07	Contractors, Design Professionals, LGU staff	Statewide	UM Erosion and Sediment Control	4/24/2006
Fall Low Impact Development Tour	Contractors, Design Professionals, LGU staff	Metro	MECA, MN (Erosion Control	4/24/2006
Annual MECA Conference (MN Erosion Control Association)	Contractors, Design Professionals, LGU staff	Metro	MECA (MN Erosion Control	4/24/2006
Training Workshops 2004-06	RPA (Resource Professionals Alliance, Inc.)	NE Minnesota	Duluth RSPT	4/24/2006
BMP Inspection	Private, public	Statewide	IECA / RPA (Resource Professionals	4/24/2006
	Maintenance CO's			4/24/2006
BMP Design and Maintenance	Design Professionals	Statewide	IECA / RPA (Resource Professionals Alliance, Inc.)	4/24/2006
	Public		Environmental Resources Center, UW-Madison	4/24/2006
December Conference	Contractors, Developers, Design professionals, LGU staff	?	RPA (Resource Professionals Alliance, Inc.)	4/24/2006
Minnesota Water Resources Conference	Design professionals, educators, researchers, LGU staff	Metro	UM Water Resources Center	4/24/2006
LOCAL GOV'T OFFICIAL TRAINING				
NEMO education (Nonpoint Source Education for Elected	Elected Officials, their staff and consultants	NE Minnesota	UM Sea Grant, UM Extension,	4/24/2006
		Metro Area		
Education coming out of the Non-Degradation Analysis	Elected Officials, LGU staff, design professionals	Statewide	Selected MS4s and their consultants	4/24/2006
Stormwater management planning for non-MS4 cities in Greater Blue Earth Watershed	Elected Officials, LGU staff, design professionals	Blue Earth Watershed	MPCA grant	4/24/2006
Low Impact Development education for Lake City (pending)	Elected Officials, LGU staff, design professionals	Lake City, MN	MPCA grant	4/24/2006
Developer stormwater practice maintenance agreements/	Landowners, LGU staff	NE Minnesota, Rochester	Cities, Townships, County,	4/24/2006
Blue Thumb	General public	Statewide	Rice Creek	10/3/2007
BMP Assessment training	city staff, consultants	Statewide	U of M	10/3/2007
LID tour	MPCA, Associations	Metro Area	MPCA	10/3/2007
NEMO education (Nonpoint Source Education for Elected Officials)	elected officials	Statewide	extension	10/3/2007

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Municipal Pollution Prevention / Housekeeping				
Activity	Audience	Location	Provider	Date
Posters, Fact Sheets	Muni Employees	Red River Basin	Red River Basin City Staff / EERC	4/24/2006
General Meeting	Muni Employees	Red River Basin	Red River Basin City Staff / EERC	4/24/2006
MPCA Salt Management workshops	Property Mangers, Local Government	Statewide	MPCA, Fortin Consulting	4/24/2006
Staff meetings and training and email updates	LGU Staff	Rochester, Red River Basin	Rochester City Staff, Red River Basin City Staff	4/24/2006
Technical Assistance (one on one; specific issues) (MS4, non-deg rule)-WDS	LGU Staff	Rochester, Stearns County	Rochester City Staff, Stearns SWCD, watershed districts (e.g., Nine Mile)	4/24/2006
Maintenance Staff Training Class- 2006/handbook	MN/DOT Employees	Statewide	UM / MDOT	4/24/2006
Standard Operational Procedures and SWPPP development	LGU Staff	Rochester, Red River Basin, Stearns	Rochester City Staff/ Consultants/ SWCD / EERC	4/24/2006
Operational Audits	LGU Staff	Rochester, Red River Basin, Stearns	Rochester City Staff/ Consultants/ SWCD/ EERC	4/24/2006
Project NEMO	Elected Officials and Staff	Northwest Minnesota, Metro Area	WDs, Agencies, city/county staff, NGO's etc	4/24/2006
Technical Advisory Committee	LGU staff	Stearns	WDs, SWCD	4/24/2006
Website	LGU Staff	Red River Basin, Stearns	Red River Basin City Staff, SWCD	4/24/2006
Road Salt Education	City/County/State Staff	Statewide	Fortin Consulting, Watershed Districts	4/24/2006
Stormwater Education Program Design Workshops , 2002-2003	WS4 Staff	Metro	UM Extension, Metro WaterShed Partners	4/24/2006
Training For Golf Course Staff	Golf Course Mangers	Statewide	UM Extension	4/24/2006
Training for Pesticide Appliances	Pesticide Applicators	Statewide	MDA/UM Extension	4/24/2006
MS4 Training	Cities	Statewide, including Red River Basin, Duluth	EERC, RSPT, LMC (League of MN Cities)	4/24/2006
MS4 Training	"New" discretionary cities	Statewide	LMC	4/24/2006
ESC Program Development	Cities	???	Engineers	4/24/2006
Community Clean Up's For Water Quality (increases street sweeper timing and usage)	City staff, street sweeper operators	Red River Basin and Minnesota River Basin	NGOs, FMR, CCMR, Red River Basin City Staff	4/24/2006
MS4 Stormwater Mgt Guide Plan	Cities	Statewide	LMC	4/24/2006
Council Meetings	City Officials and Staff	?	Engineers	4/24/2006
Inter Governmental Consulting Agents	Cities	?	Engineers	4/24/2006
Two Videos: Truck Stations, IDD	MNDOT	Statewide	MNDOT	4/24/2006
water resource coordinator group	municipal, county WD staff			10/3/2007
BMP assessment training	city staff	statewide	U of M	10/3/2007
Storm water management plans	public	metro	municipalities, watershed dist.	10/3/2007
SEP	planners, engineers, staff	statewide	U of M extension	10/3/2007