



water star
WISCONSIN

guiding, inspiring and recognizing municipalities for exemplary efforts in
surface water groundwater recreation

Water Star Wisconsin presents:

Municipal Water Star Webinar Series: Getting the Most from Water Star

Every other Friday 8:30 - 9:30 am, July 1 - Sept. 23 2011

Participate from your office, using Go-To-Webinar[®]

Pre-registration required by noon the day before each session.

Register for one or multiple sessions using the individual registration url listed for each session or email suzanne.wade@ces.uwex.edu to receive an email invitation or go to <http://www.waterstarwisconsin.org> for direct links for each webinar.

Water Star Wisconsin is pleased to announce that Credits for Certification Maintenance for the American Planning Association and AICP have been applied for (1 credit/session).

Behind every successful innovation in storm water, surface water, and groundwater management, there is an idea, a champion and a risk. Find out how other Wisconsin cities, villages and towns are making creative improvements in their operations under similar cost, labor and time constraints as you face.

Water Star participants, we've listened to your survey responses carefully. Join us for our 2011 webinar series - interact with engineers, technicians and water professionals as well as municipal representatives to hear about programs that address lowering costs and improving outcomes on topics you indicated as being of most interest to you.

You will learn from their successes (and failures) on matters like salt and deicing techniques, using non-regulatory tools to enhance water quality, how to write ordinances that are implementable, permeable pavement how-tos, designing greener, smarter storm water-handling streets and improving stream corridors.

Series offered at no charge. Open to everyone, whether municipal staff, consultant, agency staff, business, elected official or interested citizen.

Can't make the date? No worries: all presentations will be archived for future viewing.



About Go-To-Webinar

Go-To-Webinar is a service where you can view a presentation over the Internet and listen to the presenter either via your computer using a headset or using your phone line. There is no charge for connecting over the Internet, however participants are responsible for long-distance charges. See the information at the bottom of the flyer for system requirements. It is strongly suggested that participants log on to the webinar at least 10 minutes in advance to ensure program properly launches.

For questions, contact us at (920) 674-8972 or suzanne.wade@ces.uwex.edu

The Wisconsin Water Star Webinar Series - Topics

July 1, 2011 Wisconsin Water Star – Navigating Water Star

Suzanne Wade, UW-Extension Rock River Basin Educator and Wisconsin Water Star Coordinator
Paul Moderacki, Administrator, Village of Mukwonago

Reserve your Webinar seat at <https://www1.gotomeeting.com/register/946072025>

In this presentation Suzanne will share information from her three years creating and vetting the Water Star Program and the results it has inspired after its debut year. Suzanne will walk new communities through the application process, provide hints on improving scores, answer questions and allay concerns. She'll also let existing Water Star communities know what the program has new to offer, and how they can champion its mission. Paul will tell of the Village of Mukwonago's experience in becoming a silver Wisconsin Water Star Community and what he's learned along the way.

July 15, 2011 Ordinances for Protecting Water Quality – Natural Lawns, Rain Gardens & Downspout Disconnection

Lynn Markham, Land Use Specialist with UW-Extension at the Center for Land Use Education

Rick Eilertson, Environmental Engineer, City of Fitchburg

Reserve your Webinar seat now at <https://www1.gotomeeting.com/register/134205761>

Water policy solutions aren't always easy to understand or promote –and they rely strongly on education and communication with key groups. Lynn will bring her experience as a Land Use Specialist to this webinar and speak to topics such as tools and techniques for protecting drinking water, lakes and streams; policy options to assist communities in pursuit of sustainable change; ordinances that are current and enforceable that achieve desired outcomes. Rick will share his experiences with both regulatory and non-regulatory attempts to achieve water quality goals. He has created ordinances and zoning requirements for the City of Fitchburg including: impervious surface ration (ISR) requirements promoting green roof systems, pervious pavement, and rain gardens; peak flow reduction ordinances for the 1-year (2"/24 hour period) to 100-year (6"/24 hour period) requirements, LID ordinances, and SmartCode requirements. He'll recount environmental overlay zoning in a riverfront redevelopment area, developing a strategic plan for riverfront redevelopment and getting the City of Baraboo and Village of West Baraboo to adopt that strategic plan into their Master Plans.

July 29, 2011 Pervious Pavement and Pavers in a Municipal Environment

Janet Attarian, AIA, Project Director, Streetscape and Urban Design Project, Dept. of Transportation, Chicago IL

Penni Klein, Public Lands Manager, City of Middleton

Chuck Nahn, P.E. and Principal, Nahn & Associates

Reserve your Webinar seat now at <https://www1.gotomeeting.com/register/454168761>

In Chicago, the public right of way includes 13,000 alleys, making up 2,100 miles of paved impermeable surfaces, that contribute significantly to urban runoff problems. Many of the alleys were built without connections to storm sewers. Rainwater puddles on the pavement and can then run into buildings, sometimes flooding basements. Janet Attarian, sustainability coordinator with Chicago Department of Transportation, will speak about the resurfacing of the alleys with permeable concrete and asphalt or paving stones. Since 2007, over 150 alleys have been greened and a track record of performance has been gathered. Janet looks forward to sharing what's been learned in order to encourage more green alleys.



In Middleton, Penni Klein decided a park setting was the last place that needed more impervious pavement, so working together with engineer Chuck Nahn and David Strassman of DRS Paving, they laid permeable pavement using a system that is aesthetically pleasing and practical.

Aug. 12, 2011 Salt and Deicing Strategies to Protect Water Quality

Chris Walsh, Director, Department of Public Works, City of Beloit

Mark DeVries, McHenry County Transportation Department

Reserve your Webinar seat now at <https://www1.gotomeeting.com/register/716741841>

Keeping roadways safe can be a challenge during Wisconsin's long winter months; with or without snow. Unfortunately, salt and deicing compounds negatively impact water quality in Wisconsin. There are a number of strategies municipalities can use for snow and ice removal that are both effective and economical, while minimizing the impact to waterways. These latest storage and equipment technologies and practices for winter road maintenance should be part of a comprehensive strategy to keep winter travel safe while protecting water quality. Chris will give a perspective on her work transforming the City of Beloit's salting and deicing strategies, while Mark will explain the unique challenges county crews have in keeping the county roadways safe while staying mindful of environmental impacts of the clearance practices used.

Aug. 26, 2011 Greener Streets – Using Bioswales for Clean Water and Infiltration

Len Roecker, Associate/Senior Project Manager, RA Smith National

Carl Tisonik, Director, Department of Public Works, Village of Greendale

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Municipalities face a continuing management challenge in handling storm water successfully. With impermeable surfaces of new developments and road building accelerating and with increased severity and number of rain events, the challenge is growing. Green Streets, using bioswales, boulevards, terraces, rain gardens and other natural surfaces designed with storm water management as an integral component, are a growing necessity. In this webinar, participants will learn how the City of Greendale's Director of Public Works, along with consulting engineer Len Roecker, of RA Smith National, overcame both regulatory and technical obstacles to build a street on a waterfront incorporating bioswales to prevent storm water reaching the lake without first having been slowed and filtered by a buffer strip.

Sept. 9, 2011 Stream Corridor Improvements – Remeandering and Daylighting Streams, Habitat Restoration and Fish Friendly Culverts

David Fowler, Senior Project Manager, Milwaukee Metropolitan Sewerage District

Kevin Haley, Registered Landscape Architect, Milwaukee County Department of Parks, Recreation and Culture

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The need for major renovation of urban stream corridors is significant. Straightening, armoring, and even imprisoning streams underground has removed their capacity to provide ecosystem values including flood control and habitat. Municipalities recognize the need to improve the currently impaired streams of their watersheds and to re-establish the stream's flood plains for improved water storage and water quality protection. Participants will gain insights into how this can happen in their own community from the award-winning model project known as the Underwood Creek Rehabilitation and Flood Management, Phase I, as presented by the designers of the project.

Sept. 23, 2011 Using Non-Regulatory Tools to Achieve Water Quality Goals

Ann Dansart Hirekatur, P.H., CSM, MSA Professional Services

Rob Montgomery, Engineer & Principal, Montgomery Associates Resource Solutions

Jason Valerius, AICP, LEED AP, MSA Professional Services

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In this webinar, instructors will outline non-regulatory drivers that have the potential to be at least as important as regulatory ones to make progress in water management. Non-regulatory incentives municipalities can use include additional technical assistance, especially early in the process, as well as permit streamlining or density bonuses for increased stormwater practices and habitat protection. "Market-driven" initiatives such as LEED and other voluntary approaches for developers can have positive impact on water management and empower businesses and private citizens to become part of the solution. The presentation will focus on local incentives but will also include statewide incentive programs available to improve water management. Jason, Ann and Rob will offer their insights on how finessing the technical and administrative challenges that come with non-regulatory initiatives can make the difference between high and low impact outcomes.

Thank you to our Water Star Major Funders and Sponsors



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About Wisconsin Water Star

Water Star was created to honor cities, villages, towns and counties that take significant steps to protect surface water and groundwater, such as strengthening storm water controls, ensuring water quality, protecting habitats and encouraging residents to conserve water. Water Star also strives to inspire and guide municipalities in taking new actions.

The program determines how well participating municipalities meet the Water Star standards for water resource protections and designates participants as gold, silver or bronze star communities.

Twenty-two municipalities were named Water Star Communities in 2010, including Ashland, Bayfield, Beloit, Bristol, Brown Deer, Dane County, Darlington, DeForest, Egg Harbor, Fitchburg, Grafton, Manitowoc, Menomonee Falls, Middleton, Mukwonago, Plymouth, River Falls, Stevens Point, Sun Prairie, Waukesha County, Weston and Whitewater.

Become a Wisconsin Water Star Community at <http://www.waterstarwisconsin.org>.

Water Star and its sponsoring agencies, organizations and businesses provide equal opportunity in employment and programming. If you need special accommodations contact us at 920-674-8972 or 711 for Wisconsin Relay at least two weeks in advance.

Meet Our Presenters:

Janet Attarian, AIA, Project Director, Streetscape and Urban Design Project: Department of Transportation, Chicago, IL. Janet is a nationally recognized leader in sustainable infrastructure. As Project Director for the Streetscape and Sustainable Design Program and Sustainability Coordinator for the Chicago Department of Transportation, she works to turn Chicago's streetscapes, riverwalks, and pocket parks into great urban places. Janet has overseen the design and management of over 70 streetscape projects and her accomplishments include the City's Streetscape Guidelines, the Wacker Drive reconstruction project and the Millennium Park Bicycle Station, winner of the 2005 Healthy Streets Award and 2004 ALA Silver Medal Award. Ms. Attarian's ability to meld the concepts of complete streets and ecological design led to the development of the City's Sustainable Streets Program and Green Alley Program, winner of the 2007 Chicago Innovation Award, 2007 ASLA Honor Award, 2007 Illinois ASLA Honor Award and 2007 Illinois APA Gold Award. Her work has been featured in Public Works Magazine, Plenty Magazine, Roads and Bridges Magazine and Building Design & Construction Magazine.



Ann Dansart Hirekatur, P.H., CSM MSA Professional Services: Ann has over ten years of experience in watershed management and monitoring, hydrologic and water quality modeling, NPDES permitting, best management practice design, ordinance writing, and stormwater utility development. She served as the information and outreach coordinator for several municipal stormwater consortiums, and has designed and facilitated stakeholder decision-making processes for ten municipalities in Wisconsin and Iowa. Ann has Masters' Degrees in Hydrogeology and in Water Resources Management from the University of Wisconsin-Madison. She is a licensed Professional Hydrologist in Wisconsin, and a Certified Stormwater Manager by the American Public Works Association. Ann is a member of the Wisconsin Water Star Steering Committee and the Wisconsin Groundwater Advisory Committee.



Mark DeVries: Mark has been an employee for McHenry County for 26 years. He serves as chairman of the National APWA Winter Maintenance Sub-Committee and is a member of the Winter Maintenance Technical Service Program and APWA Chicago Metro Chapter. As a trainer for the Illinois Department of Transportation, Mark has presented at snow and ice seminars all across North America, several environmental seminars and various municipalities across the Midwest. Mark has been published in the inaugural issue of the Journal of Public Works and Infrastructure and every other major industry magazine. Mark is a 2010 recipient of the APWA Top Ten Public Works Leader of the year. Mark is the 2007 recipient of the APWA Donald C. Stone Award for Excellence in Education. Mark and crew were the recipients of the 2006 APWA Technical Innovation Award, the National Association of Counties Achievement Award for the county's liquid deicer blending system, and the 2005 Award of Achievement from the APWA Chicago Metro Chapter. The MCDOT has received the Excellence in Storage Award for the past 9 years.



Rick Eilertson, City of Fitchburg: Rick has worked in the municipal engineering sector since 1990 and earned his Bachelor's of Science degree from UW-Madison in civil & environmental engineering in 1993. Ever since, Rick has a keen interest in water resources management and its continuous improvement. From 1999 to 2010 he served as secretary for Citizens for Waterfront Revitalization, a private non-profit organization promoting riverfront redevelopment along the Baraboo River and reconnecting residents to water.



David Fowler, Senior Project Manager, Milwaukee Metropolitan Sewerage District. With a Master of Science in Stream Ecology, Dave worked as a Fisheries Biologist with the Michigan DNR before becoming an Aquatic Biologist for the MMSD where he has been for the past 30 years. He is active in the district's ongoing efforts toward water quality improvement, watershed management, urban stream rehabilitation and flood management. Dave co-chaired the Milwaukee River Basin Partnership (1998-2001), which actively promotes protection of the Milwaukee River Basin and incorporates the watershed approach in all its activities. Dave was active in the formation of the state chapter Wisconsin Association for Floodplain, Stormwater and Coastal Management (WAFSCM). He was the recipient of WAFSCM 2010 Excellence in Project Design Award. In 2006 Dave received the first WAFSCM Service Award. In 2005 Dave was the recipient of the River Network's, River Hero Award for his work on behalf of Milwaukee's Rivers.



Kevin Haley, Milwaukee County Dept. of Parks, Recreation and Culture, Planning and Development Section: Kevin has been involved in the planning, design, site development and construction of projects of all scales for the public and private sectors for over 30 years. As a Landscape Architect for Milwaukee County since 1991, Kevin helps oversee the planning, design, development and administration of park lands, infrastructure and facilities. In this capacity he provides coordination and implementation for complex projects involving multiple governmental agencies, regulators and private sector partners. Kevin is skilled in planning, design, specification preparation and construction practices for site plans, landscapes, irrigation, drainage systems, lighting, water features, utilities and green infrastructure



Penni Klein, Public Lands Manager, Middleton, WI: Penni Klein has been Middleton's Public Lands Manager for the last decade. With 25 years of park & trails expertise working for the NPS, Wis. DNR, Dane County Parks, and Wisconsin Conservation Corps, she is an advocate for accessible shared use trails. She has created over 20 miles of scenic and wildlife affirming trails in Middleton and received a National Trails Award in 2004 for the Pheasant Branch Conservancy trail and a state award of excellence for design & construction by the WPRC in 2008. Middleton received a 2007 Money Magazine Best Place to Live award win large part because of their green space and trails & the overall quality of the parks.



Lynn Markham, UWEX Center for Land Use Education: Lynn's extension work has focused on land use tools and techniques to protect drinking water, lakes and streams; zoning and boards of adjustment/appeals; and sustainable communities. To assist communities, Lynn provides research-based information, policy options and community case studies. Her recent projects have included a community groundwater planning website, a zoning board handbook, and short publications about protecting waterfront investments, eco-municipalities, organic food and health effects, and creating lawns that are healthy for children, pets and water quality.



Paul Moderacki, Administrator/Clerk-Treasurer Village of Mukwonago: Paul has been with Mukwonago for two years. Mukwonago is a charter Water Star Community. Paul also serves as treasurer and Board member of Sustain Jefferson, a non-profit (NGO) dedicated to educating the public about sustainable practices. Paul traveled to Sweden to be trained in the Natural Step Program and has talked about the Natural Step and Eco-municipalities to many groups and organizations. He received the 2010 Community Impact Award from Mukwonago Chamber of Commerce, 2007 Rock River Coalition Protector of the Rock-Municipal Category Award and two "Intergovernmental Cooperation" Awards from the Public Policy Forum.



Rob Montgomery, P.E., Principal, Montgomery and Associates: Rob has more than 25 years experience in consulting engineering. He has used a background in hydrology and hydraulic engineering to participate in a wide variety of water resource, environmental and civil engineering projects. Areas of specialized expertise include the hydrology and hydraulics of rivers, streams and wetlands, storm water quantity and quality management, the management of contaminated lands, especially those adjacent to watercourses, and shoreline protection design.



Chuck Nahn, P.E., Principal, Nahn and Associates. Madison: Chuck has 25+ years experience in water resources and municipal engineering. His firm specializes in flood control and stormwater management services to private, municipal and industrial clients. Chuck has managed storm water projects ranging from large municipal storm water master plans to preparing stormwater plans and specifications for residential and commercial developments. He is on the City of Middleton Public Works Committee and has been on numerous DNR and Department of Commerce committees.

Len Roecker, P.E., R.L.S. Associate/Senior Project Manager at RA Smith National: Len was named the 2005 Engineer of the Year by the Waukesha Chapter of the Wisconsin Society of Professional Engineers. He worked with Greendales to develop a video on the green infrastructure project in Greendale. R.A. Smith National is one of Wisconsin's leading civil engineering, planning, surveying, landscape architecture, geographic information systems (GIS) and 3D visualization consulting firms.

Carl Tisonik, Director, Department of Public Works, Village of Greendale: Carl has enjoyed a 35 year career with the Village of Greendale. His main focus has been the preservation of the quality of life in this charming Village nestled in Southeast Wisconsin. The 'hands on' experience learned over many years has prepared him to meet the many challenges found in maintaining municipal infrastructure. Carl has also enjoyed a sports officiating career spanning more than 30 years. He has officiated football, baseball, softball and basketball at the high school and college level.



Jason Valerius, AICP, LEED AP, MSA Professional Services: Jason has over ten years of community planning and design experience in public, non-profit and academic settings. His experience includes comprehensive planning and zoning in urban and rural communities, design standards and guidelines for municipalities and private developments, real estate development planning and municipal redevelopment planning. Jason is trained in both architecture and planning and specializes in community design and regulatory tools and incentives that guide community design. His presentations to the Wisconsin Towns Association, the Upper Midwest Planning Conference, and the American Planning Association Conference have focused on sustainable growth patterns and pedestrian-friendly environments.

Suzanne Wade, Water Star Coordinator: Suzanne is a distinguished lecturer with the University of Wisconsin-Extension; she is the coordinator of the Wisconsin Water Star Program and as a Natural Resource Educator for the Rock River Basin, she develops, implements and evaluates educational programs focusing on urban and rural stormwater, groundwater, water quality, citizen monitoring and land use. Suzanne has been a key leader in developing Water Star, researching actions and hosting technical workshops to assess the actions that merit use by municipalities. Suzanne's awards including the WAEE Aldo Leopold Award and being named a Wisconsin Stream Monitoring Pioneer, Nonformal Environmental Educator of the Year and Wisconsin River Champion. Her work has been recognized with a UW-Extension Distinguished Service Award, Quality of Communication Award and Team Awards.



Chris Walsh, Director, Department of Public Works, Beloit: Under her direction the City of Beloit won the North American Snow and Ice Excellence Award in 2009 and the Cities and Villages Mutual Insurance Safety Award for snow and ice management. She is responsible for the successful management and direction of the Operations, including the administration of Public Works emergency management, snow, streets, fleet, stores, terrace, solid waste, recycling and traffic safety. In her 17-year tenure with the city, Chris has served as Incident Commander for two Federal Snow & Ice Declarations, and participated in the Cities Emergency Operation Center (EOC) during a Federal Flood Declaration. Chris is certified as a Master Exercise Practitioner by FEMA, and as such has developed a tabletop and functional exercise for a Snow and Ice Incident. She has also assisted in the development of a Multi Hazard Industrial Response and the Beloit College Bombing tabletop, functional and full scale exercise.



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On a Mac®

Safari™ 3.0 or newer, Firefox® 3.0 or newer or Google™ Chrome™ 5.0 or newer (JavaScript™ and Java™ enabled) Mac OS® X 10.4.11 – Tiger® or newer Intel processor (512 MB of RAM or better recommended). Cable modem, DSL, or better Internet connection