

MPCA's 2012 Wastewater Operations Conference Agenda

March 21-23, 2012 • Northland Inn • Brooklyn Park • 763-536-8300

Wednesday, March 21 General Session

8:30 a.m. Introduction and overview

8:45 a.m. [What We Do and Why](#), Paul Aasen, Commissioner, MPCA

9:30 a.m. [Bringing 9/11 Home: A Nine Year Journey](#), Craig Schafer, MPCA

10:00 a.m. – Break

10:30 a.m. – Breakout sessions

C/D Exam Refresher	Asset Management	Laboratory	Stabilization Ponds	Bum to Brook 101	A/B Exam Refresher
<ul style="list-style-type: none"> Essential math Detention time <i>MPCA Staff</i>	<ul style="list-style-type: none"> The Importance of Asset Management – <i>Mark Schulz</i> Selling “Sewer Rates” & Operator/Engineer Interface – <i>Brad DeWolf, P.E.</i> 	<ul style="list-style-type: none"> Corrective Actions and Internal Audits – <i>Susan Wyatt</i> 	<ul style="list-style-type: none"> Construction of Pipestone Ponds 2011 – <i>Scot Leddy</i> Pump Maintenance and Calibration – <i>Frank Stuemke</i> Phosphorus Removal in a Pond System – <i>Gene Erickson</i> 	<ul style="list-style-type: none"> Influent Pump Station O&M – <i>Troy Heimerl</i> Headworks – <i>JWC</i> 	<ul style="list-style-type: none"> Two-day session reviewing material for Class A and B exams. Must be registered separately to attend this session. Class is limited to 50. SEH Staff

12:00 p.m. – Lunch

1:00 p.m. – Breakout sessions

C/D Exam Refresher	Biosolids Busine\$\$	Discharge Monitoring Reports	Retirement	Bum to Brook 102	A/B Exam Refresher
<ul style="list-style-type: none"> Collection system overview Class D refresher <ul style="list-style-type: none"> Wastewater treatment overview Stabilization ponds On-site systems Class D review Class C refresher <ul style="list-style-type: none"> Trickling filters/RBCs Activated sludge Digestion Disinfection <i>MPCA Staff</i>	<ul style="list-style-type: none"> Introduction and Stating the Situation – <i>Jorja DuFresne, Dave Sahli</i> Case Study: Accepting Additional BOD Loads – <i>Dan DeRudder</i> Case Study: Accepting Thin Septage and Holding Tank Sewage in Harris – <i>Paul Christensen</i> Case Study: Accepting Thin Stillage – <i>Stefan Nelson, Matt Lemke</i> Case Study: A City's Farming Business – <i>Dan O'Connor</i> 	<ul style="list-style-type: none"> How to Fill Out Your DMRs – <i>Jaramie Logelin</i> eDMRs – The New Way of Submitting DMRs – <i>Tami Dahl, Jaramie Logelin</i> eDMR Improvement Project – You'll Love It! – <i>Deb Lindlief, Sara Mueller, Mary Kimlinger</i> Questions & Answers – <i>Belinda Nicholas, Jaramie Logelin, Tami Dahl, Deb Lindlief, Sara Mueller, Mary Kimlinger – MPCA</i> 	<ul style="list-style-type: none"> Ten Most Asked Questions about Social Security and Medicare – <i>Jim Czechowicz</i> Minnesota State Retirement System's General Retirement Plan – <i>Robert Fahnhorst</i> What Do We Need to Know about PERA and Retirement Planning – <i>Blaine Jewison</i> 	<ul style="list-style-type: none"> Aeration – <i>Scott Mulinix</i> Chemical Feed – <i>Terry Schiro</i> Sampling Operation and Maintenance – <i>Tony Sage</i> Effluent Disinfection – <i>Matt Fritze</i> SCADA Systems, How they have Changed – <i>John Kurtti</i> 	<ul style="list-style-type: none"> Two-day session continues

	<ul style="list-style-type: none"> • Case Study: Putting the Business Together – Taking Over – <i>Glenn Bauer</i> • Construction of a New Receiving Station – <i>Joshua Gad</i> 				
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4:00 p.m. – End of day

MPCA's 2012 Wastewater Operations Conference Agenda *continued*

Thursday, March 22

8:00 a.m. – A/B Exam Refresher begins

8:30 a.m. – [Vendor/ Professional Organization Displays](#)

10:00 a.m. – C/D Exam Refresher begins; Vendor / Professional Organization Displays continue

11:30 p.m. – Lunch

12:30 p.m. – Breakout sessions

C/D Exam Refresher	Biosolids	New Plants/Upgrades	Industrial Stormwater	Energy Efficiency	A/B Exam Refresher
<ul style="list-style-type: none"> • Geometric mean • Pond discharge math • Percent removal / loading / population equivalent • Pump calibration • Jeopardy review <p><i>MPCA Staff</i></p>	<ul style="list-style-type: none"> • National Biosolids Partnership Tools – <i>Andy Bradshaw, Chris Plautz</i> • Quality Assurance in the Field – <i>Todd MacMillan</i> • GIS and WLSSD's Land Application Program – <i>Paul Wilken</i> • Liquid or Cake Application – Costs? Safety and What Not to Do – <i>Mitch Okerstrom, Jim Peterson</i> 	<ul style="list-style-type: none"> • St. James – Converting Conventional Aeration to Bio-P – <i>Karen Cavett</i> • Owatonna Plant Upgrade – <i>Dean Nelson</i> • Trials and Tribulation – Startup of New Primary Treatment Facilities – <i>James Ackerman, Jason Benson</i> • Litchfield Wastewater Treatment Facility Improvements – <i>Bradley DeWolf P.E., Lana Tullis P.E., Dave Cziok</i> 	<ul style="list-style-type: none"> • Introduction to Stormwater – <i>John Chapman</i> • Industrial Stormwater Monitoring – <i>John Chapman</i> • City of Mankato WWTF Modifications to Meet Industrial Stormwater Permit Requirements – <i>Richard Baird</i> 	<ul style="list-style-type: none"> • Initial Results from Energy Assessments Conducted on Activated Sludge Plants – <i>Karl DeWahl, AJ Vanden Berghe</i> • Perspectives on Advancements in Energy Efficiency and Energy Optimization in Wastewater Plants – <i>Peter Yearneau, Thomas Tweeten, PhD</i> • Aeration System Design and Effects on Energy Efficiency – <i>Eric Stasen</i> • Achieve Efficiency by Choosing Correct Blower Systems Based on DO and/or Ammonia and Valve Control – <i>Nick Roberts</i> • How Understanding Your Electric Bill Can Save Dollars – <i>Tom Baltutis</i> 	<ul style="list-style-type: none"> • Two-day review session continues

3:45 p.m. – Certificate of Commendation Awards

MPCA's 2012 Wastewater Operations Conference Agenda *continued*

Friday, March 23

7:30 a.m. – Operator's breakfast

8:00 a.m. – [Laugh and Live Longer!](#) – Dick Jonckowski, Gophers PA Announcer

9:00 a.m. – Certification examination & breakout sessions begin

Certification Exams	Biosolids	Emerging Issues	Regulations	Safety
<ul style="list-style-type: none"> • Bring a pencil and calculator to the exam; formulas are provided • See exam list at registration area to make sure your application has been accepted. • Must submit an exam application by March 8. 	<ul style="list-style-type: none"> • Refreshing Biosolids Management Questions – <i>Aaron Luckstein, Jorja DuFresne</i> • Enforcement Perspective, What Not to Do – <i>Aaron Luckstein</i> • Land Application Basics, Annual Reports, Farmer Information Sheets and Site Applications – <i>Jorja DuFresne, Aaron Luckstein</i> 	<ul style="list-style-type: none"> • MCES Stormwater Reuse Guide: Planning for Stormwater Reuse in the Twin Cities – <i>Brian Davis PhD PG P.E., Jodi Polzin, P.E.</i> • Overview of High Speed Turbo Blowers for Efficient Aeration – <i>Patrick Gedgaudas</i> • MDH Contaminants of Emerging Concern (CEC) Program Overview and Updates – <i>Michele Ross</i> • Consequences of Endocrine Contaminants: Does Early Exposure Shape Survival? – <i>Daniel Rearick</i> • The Impact of Triclosan on Anaerobic Digestion – <i>Pat McNamara</i> 	<ul style="list-style-type: none"> • Electronic DMRs – <i>Deb Lindlief</i> • Whole Effluent Toxicity Testing Priority Pollutant Sampling in NPDES Permits – <i>Katrina Kessler, Michael J. Anderson</i> • New 30 Day Permit Application Completeness Rule – <i>Dave Sahli</i> • Phosphorus and NPDES Permits – <i>Marco Graziani, Steve Weiss</i> • Mercury, Salty & Nitrogen Additional Sampling in NPDES Permits – <i>Deb Lindlief</i> 	<ul style="list-style-type: none"> • Excavation Preparation and Safety – <i>George Linngren</i> • Confined Space Entry – Case History – Meter Installation Project – <i>Jim Miller</i> • ARC Flash Awareness – <i>Joe Schommer</i> • Health Risks in Wastewater – <i>Janet Keyes</i>

12:00 p.m. – Conference adjourns (no lunch)

1:00 p.m. – Exams end