

WATER TREATMENT AND DISTRIBUTION

March 3, 4, and 5, 2008
March 10, 11, and 12, 2008
March 25, 26, and 27, 2008 *
March 31, April 1, and 2, 2008

* Tuesday, Wednesday, & Thursday

Day 1:

12:00 p.m.	Registration	Darlene Germain, Municipal Facilities
1:00 p.m.	Welcome	Mike Brisben, Municipal Facilities
1:15 p.m.	Operator Certification	Craig Bartholomay, Municipal Facilities
1:30 p.m.	Expense Reimbursement Grant	Chad Miller, Municipal Facilities
1:45 p.m.	Wellhead/Source Water Protection	Jim Horner, Water Quality
2:15 p.m.	Groundwater Rule	Gary Stefanovsky, Municipal Facilities
2:45 p.m.	Break	
3:00 p.m.	Water Main Identification and Tapping Procedures	Scott Schmidt, Northern Water Works Supply
4:00 p.m.	Basic Math	Chad Miller, Municipal Facilities
5:00 p.m.	Adjourn	

Day 2:

8:00 a.m.	Advanced Math	Darin Billing, Municipal Facilities
9:00 a.m.	Pump Hydraulics	Mike Berg, Ulteig Engineers
10:00 a.m.	Break	
10:15 a.m.	Hydrants	Craig Bartholomay, Municipal Facilities
11:00 a.m.	Poly Pigging, Flushing, and System Maps	Tom Sieg, ND Rural Water
11:30 a.m.	Lunch	

1:00 p.m.	Small System Funding	Eric Volk, ND Rural Water
1:30 p.m.	Public Relations	Larry Thelen, Municipal Facilities
2:00 p.m.	Lead and Copper Rule Update	Katie Luther, Municipal Facilities
2:30 p.m.	Corrosion Control Strategies	Laith Hintz and Brett Jochim, AE ₂ S
3:00 p.m.	Break	
3:15 p.m.	Water and Wastewater Agency Response Network	Greg Wavra, Municipal Facilities
4:00 p.m.	Chlorine Meters and Measurements	Bob Markhouse, Municipal Facilities
5:00 p.m.	Adjourn	
Day 3:		
8:00 a.m.	Chloramination/ Nitrification	Bob Markhouse, Municipal Facilities
9:00 a.m.	Total Coliform Rule	Jeni Walsh, Municipal Facilities
9:30 a.m.	Improving Filter Performance	Russ Sorensen, AE ₂ S
10:00 a.m.	Break	
10:15 a.m.	Fundamentals of Iron and Manganese Removal	Cory Chorner, AE ₂ S
10:45 a.m.	Disinfectants/Disinfection By-Products Rule Update	Brian Blotsky, Municipal Facilities
11:15 a.m.	Plans and Specifications	Chuck Abel, Municipal Facilities
11:45 a.m.	Adjourn	
1:00 p.m.	Operator Exams	Craig Bartholomay, Municipal Facilities

WASTEWATER TREATMENT AND COLLECTION

April 14, 15, and 16, 2008

April 21, 22, and 23, 2008

Day 1:

10:00 a.m.	pH Certification	Errol Erickson, Chemistry Randy Kowalski, Water Quality
12:00 p.m.	Registration	Darlene Germain, Municipal Facilities
1:00 p.m.	Welcome	Mike Brisben, Municipal Facilities
1:15 p.m.	Operator Certification	Craig Bartholomay, Municipal Facilities
1:30 p.m.	Small System Funding Options	Eric Volk, ND Rural Water
2:00 p.m.	Basics of Wastewater Treatment	Bob Markhouse, Municipal Facilities
2:45 p.m.	Break	
3:00 p.m.	Pond Construction and Maintenance	Dave Bergsagel, Municipal Facilities
3:30 p.m.	Lift Station Rehabilitation Strategies	Jason Benson, AE ₂ S
4:00 p.m.	Basic Math	Eric Bless, Municipal Facilities
5:00 p.m.	Adjourn	

Day 2:

8:00 a.m.	Advanced Math	Darin Billing, Municipal Facilities
9:00 a.m.	Pump Hydraulics	Mike Berg, Ulteig Engineers
10:00 a.m.	Break	
10:15 a.m.	NDPDES/DMR	Staff, Water Quality
10:30 a.m.	Stormwater Update	Randy Kowalski, Water Quality

11:00 a.m.	Spill Prevention, Control, and Counter Measures	Kris Roberts, Water Quality
11:30 a.m.	Lunch	
1:00 p.m.	Collection System Flow Investigation	Eric Dodds, AE ₂ S
1:30 p.m.	Public Relations	Larry Thelen, Municipal Facilities
2:00 p.m.	Water and Wastewater Agency Response Network	Greg Wavra, Municipal Facilities
2:45 p.m.	Break	
3:00 p.m.	Sludge/Smoke Testing and Force Main Pigging	Les Sigette, ND Rural Water
3:30 p.m.	Industrial Pretreatment	Bill Gefroh, City of Bismarck Gary Bracht, Water Quality
4:00 p.m.	Specimen Collection and Handling	Bill Gefroh, City of Bismarck
5:00 p.m.	Adjourn	
Day 3:		
8:00 a.m.	Troubleshooting Wastewater Systems	Bob Markhouse, Municipal Facilities
9:00 a.m.	Lagoon Microbiology	Eric Bless, Municipal Facilities
10:00 a.m.	Break	
10:15 a.m.	Collection System Maintenance	Darin Billing, Municipal Facilities
11:15 a.m.	Plans and Specifications	Chuck Abel, Municipal Facilities
11:45 a.m.	Adjourn	
1:00 p.m.	Operator Exams	Craig Bartholomay, Municipal Facilities