

## Sidney Innerebner

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**From:** McBride, Mike <mike.mcbride@nebraska.gov>  
**Sent:** Wednesday, November 26, 2014 10:36 AM  
**To:** Sidney Innerebner  
**Cc:** Wilson, Mary; Bauer, Mark  
**Subject:** Approval Confirmation

Sidney,

The 40 online wastewater operator training courses have been tentatively approved (pending supervisor review) by the NDEQ Wastewater Operator Certification Program. The courses and hours are listed below. You should receive an approval letter within 7-10 days from the Department. Please let me know if you have any questions. Thanks! mm

Indigo Water Group Sidney Innerebner Continuing Education/Training Submittal Date: 11/26/2014		
Course:	Mun. hours:	Ind. Hours:
activated sludge basics	2.50	0.00
activated sludge basics: a mechanical approach	2.00	0.00
activated sludge microbiology and microscope techniques Parts 1 & 2	2.00	0.00
activated sludge process control tests and troubleshooting	2.00	0.00
aerobic and anaerobic digestion	2.00	0.00
basic chemistry	2.00	2.00
belt filter press	1.50	1.50
biological and chemical phosphorus removal	1.50	0.50
centrifuges	1.50	1.50
chemical dosing math module	0.50	0.50
chlorine disinfection (wastewater focus)	1.50	1.50
collection system inspection, testing, and cleaning - part 1	2.00	0.00
collection system inspection, testing, and cleaning - part 2	2.00	0.00
confined space entry	1.50	1.50
corrosion control	2.00	2.00
fixed film: trickling filters and rotating biological contactors	1.50	0.00
geometry	0.50	0.50
hydraulics basics	1.00	1.00
hydraulics of pumped systems	2.00	2.00
intro to solids handling and 503 regulations	1.50	0.00
introduction to collection systems	1.50	0.00
introduction to wastewater: a plant overview	1.50	0.00
lab testing 2 b: fecal coliforms	1.50	0.00
lab testing part 1: pH, Winkler, bod, alkalinity, and hardness	2.00	1.00
lab testing part 2 a: total suspended solids	1.00	1.00
lagoons and fixed film	1.50	0.00
lagoons and wetlands	2.00	0.00
lift stations	1.00	1.00
maintenance for wastewater facilities	1.50	1.50
nitrification and de-nitrification	2.00	0.00
odor control	1.50	1.50
pretreatment and pollution prevention	2.50	2.50
proper use of spectrophotometers	1.00	1.00
pumps	1.50	1.50
state point analysis for secondary clarifiers	1.50	1.50
treatment of metal waste streams	0.00	1.00

trenching and shoring	2.00	2.00
types of activated sludge systems	1.50	0.00
unit conversions	0.50	0.50
what's in my wastewater? definitions and typical ratios	1.50	1.50

Mike McBride  
Operator Certification Program Coordinator  
Wastewater Section-Water Quality Division  
Nebraska Department of Environmental Quality  
402-471-4244

DATE: June 15, 2015

**Courses Approved for Nebraska wastewater treatment operator continuing education hours**

NEBRASKA DEPARTMENT OF ENVIRONMENTAL QUALITY Wastewater Operator Certification Program

Title 197 - Rules and Regulations for the Certification of Wastewater Treatment Operators in Nebraska

CONTACT: Mike McBride, Program Coordinator; mike.mcbride@nebraska.gov; 402-471-4244; http://deq.ne.gov

NEBRASKA					
Course ID	Course Title	Time, hrs	mun	ind	
MATH-004	Velocity and Hydraulic Detention Time	0.5	0.5	0.5	APPROVED JUNE 15, 2018
MATH-005	Geometry and Velocity	1.5	1.5	1.5	APPROVED JUNE 15, 2018
ALL-006 / WATER-006	Electrical Fundamentals	1	1	1	APPROVED JUNE 15, 2018
COL-006	Manholes	1	1	1	APPROVED JUNE 15, 2018
WWT-016B	Chlorine Cylinder Changeout Demonstration	0.5	0.5	0.5	APPROVED JUNE 15, 2018
WATER-013	Corrosion Control and Laboratory	2	2	2	APPROVED JUNE 15, 2018
MATH-001	Unit Conversions	0.5	0.5	0.5	PREVIOUSLY APPROVED
MATH-002	Geometry	0.5	0.5	0.5	
MATH-002	Chemical Dosing	0.5	0.5	0.5	
ALL-001	Pumps	1.5	1.5	1.5	
ALL-002	Hydraulics Basics	1	1	1	
ALL-003	Hydraulics of Pumped Systems	2	2	2	
ALL-004	Corrosion Control	2	2	2	
ALL-005	Maintenance	1.5	1.5	1.5	
ALL-007	Representative Sampling	1.5	1.5	1.5	
ALL-008	Disinfection Byproducts	1.5	1.5	0	
ALL-009/WWT-026	Basic Chemistry	2	2	2	
SAF-001	Trenching and Shoring	2	2	2	
SAF-002	Confined Space Entry	1.5	1.5	1.5	
COL-001	Introduction to Collections Systems	1.5	1.5	0	
COL-002	Collection System Inspection, Testing, and Cleaning - Part 1	2	2	0	
COL-003	Collection System Inspection, Testing, and Cleaning - Part 2	2	2	0	
COL-004	Lift Stations	1	1	1	
COL-005	Pretreatment and Pollution Prevention	2.5	2.5	2.5	
WWT-001	Introduction to Wastewater: A Plant Overview	1.5	1.5	0	
WWT-002	What's In My Wastewater: Definitions and Typical Ratios	1.5	1.5	1.5	
WWT-003	Fixed Film: Tricking Filters and RBCs	1.5	1.5	0	
WWT-004	Lagoons and Wetlands	2	2	0	
WWT-005	Lagoons and Fixed Film	1.5	1.5	0	
WWT-006	Activated Sludge Basics	2.5	2.5	0	
WWT-007	Activated Sludge Basics: A Mechanical Approach	2	2	0	
WWT-008	Activated Sludge Microbiology and Microscope Techniques - Part 1	1	1	0	
WWT-009	Activated Sludge Microbiology and Microscope Techniques - Part 2	1	1	0	
WWT-010	Types of Activated Sludge Systems	1.5	1.5	0	
WWT-011	Nitrification and Denitrification	2	2	0	
WWT-012	Biological and Chemical Phosphorus Removal	1.5	1.5	0.5	
WWT-013	State Point Analysis for Secondary Clarifiers	1.5	1.5	1.5	
WWT-014	Activated Sludge Process Control Tests and Troubleshooting	2	2	2	
WWT-016	Chlorine Disinfection	1.5	1.5	1.5	
WWT-017	Introduction to Solids Handling and 503 Regulations	1.5	1.5	0	
WWT-018	Aerobic and Anaerobic Digestion	2	2	0	
WWT-019	Belt Filter Presses	1.5	1.5	1.5	
WWT-020	Centrifuges	1.5	1.5	1.5	
WWT-021	Odor Control	1.5	1.5	1.5	
WWT-022	Laboratory Testing - Part 1 (pH, alkalinity, BOD, and Winkler)	2	2	1	
WWT-023	Laboratory Testing - Part 2A (Total Suspended Solids)	1	1	1	
WWT-024	Laboratory Testing - Part 2B (Fecal coliforms)	1.5	1.5	0	
WWT-025	Proper Use of Spectrophotometers (QA/QC)	1	1	1	
ALL-009/WWT-026	Basic Chemistry	2	2	2	
WWT-027	Treatment of Metal Wastestreams	1	0	1	