

About the Instructor

Sidney has over seventeen years of experience in environmental services including laboratory management, treatment plant operation, and water and wastewater design. She has conducted training classes throughout her career. Sidney has a Ph.D. in Environmental Science & Engineering from the Colorado School of Mines.



Sidney Innerebner, PhD, PE

She has expertise in planning, biochemical treatment processes, comprehensive performance

evaluations, wastewater process modeling, laboratory operations, environmental assessments, environmental permitting and compliance, chemistry, and toxicology.

Sidney is a Colorado certified A wastewater and A industrial treatment plant operator. She has developed numerous operations training programs and gives training classes and seminars across the United States. Sidney received the Analytical Merit Award for laboratory excellence from the RMWEA in 2000.

Our Philosophy We recommend consistent training over longer periods of time to increase retention. For example, a program of one three-hour class per week for six weeks leading up to the certification exams greatly increased pass rates for both the City of Boulder and Denver Water. On-site training in the weeks and months leading up to a week-long school can increase its effectiveness. It can be difficult for people to attend one of the week-long schools and retain enough information to pass their exams unless they are already familiar with the material. There is also a danger in having someone pass the exam and not retain what they learned. **Most importantly, we can provide training when it is convenient for you and tailor it for your needs.**

Training Unit Approved All of our courses are approved by the State of Colorado for training units. For each hour of training attended, 0.1 training units is awarded. Training unit certificates are awarded at the end of each course which makes on-site instruction a great way to accumulate time towards license renewal.

Scheduling Training Contact Sidney Innerebner at 303-489-9226 or 303-762-6076 or Sidney@indigowatergroup.com You can also visit our website at www.indigowatergroup.com Courses may be scheduled between the hours of 8 am and 9 pm, seven days a week.

What People are Saying...

"One day's hands-on time spent at our utility with Dr. Innerebner is better than all the short schools any of us have attended. My entire staff can participate in a tailor made course for the same cost of sending one employee away to school. The BNR discussions she initiated, specific to our process system, have helped us reduce nitrates below stream standards in a process not designed for that purpose. The best part of having Sidney on site is being able to access her substantial intellect about anything that's going on with our system, not particularly related to what she came here to teach us. Plus, she makes herself available for questions after she's gone. Dr. Sid has a special place in our hearts."

- Butch Green, Manager, Frisco Sanitation District

"The time that you've spent with our staff has led directly to passed certification exams! Thanks!"

- Zach Margolis, Utility Director, Town of Silverthorne

"Thank you for the math workbooks! I appreciate your teaching style which has helped me to master dimensional analysis that only a short time ago blew my mind. I won't forget the glorious day when the conversion/cancellation light bulb went on in my brain and from that point forward there has been no looking back! Thank You!!!!!!!!!"

- Brian Anabali, Centennial Water and Sanitation District

"Well, as of 3-31-07 I got my "A" in waste water and I must say you did have at least a small part in getting me there. I feel great and have begun some preliminary studies in water treatment."

- Rick Stevens, Coors Wastewater

"Mind-boggling. Sidney has more energy and enthusiasm for her work than all the microbes in the plant combined. If only more people in her field had such skills, problem solving focus, and friendly service that strives for YOU to understand the solution."

- Christopher K. Gulden P.E., White Bear Company, LLC

"Sidney or Dr. Sid as I like to call her has been very instrumental here at the City of Boulders 75th St. Wastewater Treatment Facility. She conducted a Nitrification Optimization Study in 2004 which helped us achieve the ammonia removal needed to meet our NPDES requirements until our facility improvements were implemented. Dr. Sid also provided several training sessions at our facility which were very well organized, informative and enjoyable. As needs arise I would definitely call on Dr. Sid again."

- Ernie Oram, Operations Supervisor, Boulder 75th St. WWTP

"Thanks again for everything. I feel a lot more confident in the lab tests I'm running thanks to you..... Look forward to your next visit."

- Rene Eismueller, Three Lakes Water and Sanitation District

Indigo Water Group

Indigo Water Group

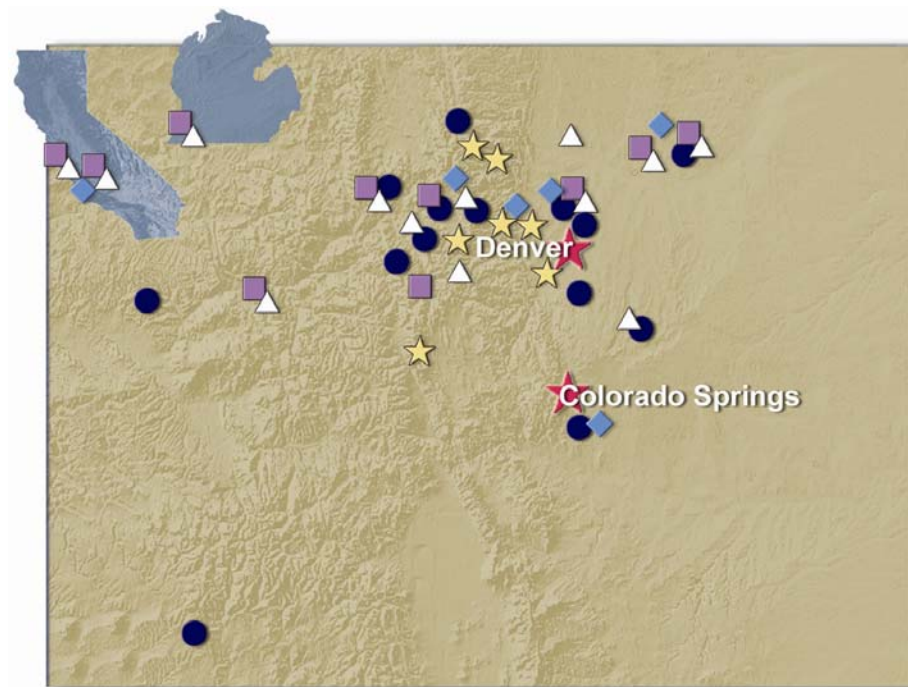
626 West Davies Way
Littleton, Colorado 80120
303 489 9226

<http://www.indigowatergroup.com>
A Woman Owned Business

- ❖ On-Site Training Programs
- ❖ Operations Assistance
- ❖ Comprehensive Performance Evaluations
- ❖ Process Optimization and Modeling
- ❖ Utility Plans
- ❖ Regulatory Assistance
- ❖ Laboratory Evaluations and Training

Available Courses

We've provided training opportunities and operations assistance throughout Colorado



Sampling and Laboratory Procedures We are the only firm in Colorado to offer on-site training in laboratory procedures. Our eight-hour wastewater sampling and analysis course begins by observing existing sampling and analysis procedures. Suggestions are made throughout the day to improve sampling techniques, sampling locations, and analytical procedures. Observe and correct is the most effective way to learn because good techniques are reinforced with immediate hands-on application. We also offer lab skills training on individual procedures complete with detailed PowerPoint presentations.

- ◆Wastewater Sampling and Analysis
- ◆Individual Test Methods
- ◆Representative Sampling
- ◆Q/A and Q/C
- ◆Distribution Sampling
- ◆Jar Testing

Setting up a new laboratory? No problem. We can help you specify equipment, write operating procedures, set-up bench sheets, and decide which samples to run in-house and which to send out.

Wastewater Concepts Treatment concepts and various unit processes are demystified with a combination of lecture, discussion, and multiple-choice sample questions. Color photographs, diagrams, movies, and animations bring treatment processes into the classroom.

- ◆Activated Sludge Basics
- ◆Activated Sludge Troubleshooting
- ◆Biological Phosphorus Removal
- ◆Chemical Phosphorus Removal
- ◆Intro to Collection Systems
- ◆Collection System Inspection, Testing, and Cleaning
- ◆Nitrification/Denitrification
- ◆Fixed Film Processes
- ◆Collection Systems
- ◆Disinfection
- ◆Pumps and Lift Stations
- ◆Solids Handling
- ◆Corrosion Control

Regulatory Compliance Our regulatory compliance course for wastewater begins with an overview of the Clean Water Act and the sources of discharge limits for direct and indirect dischargers. Our Discharge Monitoring Report class answers frequently asked questions on their completion and filing. Water regulation courses are available for each of the major acts including Stage 2 DBPR and LT2ESWTR. We'll provide tools and materials to help ensure regulatory compliance.

- ◆Discharge Monitoring Reports
- ◆Sources of Permit Limits
- ◆Water Regulations

Water and Wastewater Mathematics. Math problems account for approximately twenty-five percent of certification exam questions and can be the most difficult portion of the exam for many people. Our math training classes provide a firm grounding in the basics and cover a wide range of topics beginning with rearranging equations, tank geometries, and unit conversions. More complex topics include calculating wasting rates to maintain an SRT, determining chemical dosage rates, finding force exerted on a valve, and metals accumulation rates from biosolids applications. Math concepts are presented in an easy to understand format that focuses on real-world problems. Our math basics course is approved for training units in all disciplines including collection and distribution.

- ◆Math Basics
- ◆Digestion and Biosolids Math
- ◆Activated Sludge Math
- ◆Water and Distribution Math



Continuing Education Topics These brief lectures last thirty minutes each and can be used to break up a day of more difficult training or to generate discussions among more advanced students.

- ◆Effect of Water Treatment Residuals on WWTP Performance
- ◆Effect of Alkalinity Type and Concentration on Nitrifying Biofilm Activity
- ◆Optimizing the TF/SC Process for Nitrification
- ◆Denitrification with Carbonaceous Trickling Filters
- ◆Comparing Gravimetric with Spin Data: Accuracy of Process Control Calculations

Mix and Match one or more classes to create a tailored training experience for your staff. Most of our courses last between one and three hours. Training classes can be as short as one course or span several days. Don't see a topic that you're interested in? Let us know. Our course offerings are changing all the time. We are happy to accommodate special requests where we can.

Pricing and Availability Training courses are priced on an hourly basis plus expenses. A full day of on-site training for up to twenty attendees can cost as little as \$950 which can be significantly less expensive than off-site training. Additional expenses may include photocopies of training materials, mileage, and hotel where applicable.

- **On-Site Training Courses**
City of Boulder, Water Distribution
Parker W&SD
Denver Water
City of Boulder, Wastewater
City of Durango
Frisco Sanitation District
Town of Silverthorne
Silverthorne/Dillon JSA
Colorado Springs Utilities
Three Lakes W&SD
City of Northglenn
Centennial W&SD
Pre-Conference Workshop at Joint Annual Conference in Grand Junction
Leprino Foods, Fort Morgan

- ★ **Instructor / Guest Lecturer**
Boulder Operator School
Fundamentals School
Leadville Operator School
Multiple RMWEA Seminars
Red Rocks Community College
Colorado School of Mines
Front Range Community College

- ◆ **Process and Collection System Modeling**
Colorado Springs Utilities
City of Boulder, Wastewater
City of Northglenn

- △ **Process Assistance or CPE**
City of Dinuba, CA
Leprino Foods, Lemoore, CA
Town of Carbondale
City of Boulder, Wastewater
Frisco Sanitation District
Three Lakes W&SD
City of Longmont
Leprino Foods, Fort Morgan
Parker W&SD
Coors Brewery
Cargill Meat Solutions
Leprino Foods, Allendale, MI
City of Northglenn

- **Laboratory Evaluation and Training**
City of Dinuba, California
Leprino Foods, Lemoore, CA
Town of Carbondale
Frisco Sanitation District
Leprino Foods, Fort Morgan
Three Lakes W&SD
City of Northglenn
Cargill Meat Solutions
Leprino Foods, Allendale, MI
Silverthorne/Dillon JSA

- City of Brush
City of Thornton
Leprino Foods, Lemoore, CA