



LAGOON OPTIMIZATION TRAINING

Hands-on Workshop

April 19-23, 2021

In this no-cost multi-day workshop, you will discover diagnostic tools to help you identify where, when, and why problems are occurring in your lagoon system. We will discuss new methods, techniques, and strategies you can use to get more BOD reduction, better TSS removal, Ammonia reduction, odor control, free sludge reduction, nutrient removal, and how to add more years of dependable service to the lagoon system you already have. In this workshop you'll discover:

- Diagnostic keys to pinpointing where, when and why problems are occurring
- How to remove the greatest deterrent to your pond's treatment performance
- The 11 possible causes of high BOD and their 50 possible solutions
- The 7 possible causes of TSS problems and their 44 possible solutions
- How to troubleshoot ammonia removal problems
- How to get 12 inches of sludge reduction without dredging
- And so much more!

CLASS AGENDA

Classroom portion will take place at the Wagner Armory. Field Training will take place at both the Wagner Lagoon (Mon-Tue-Wed), and the Rosebud Lagoon (Thu-Fri). 6-8 Contact Hours awarded per day

Day 1 – Monday, April 19

City of Wagner Armory & Lagoon

- 8:00am – 12:00pm: Classroom training at Wagner Armory
- 1:00pm – 4:00pm: Field testing at City of Wagner Lagoon

Day 2 – Tuesday, April 20

City of Wagner Armory

- Full day of in-classroom training at Wagner Armory

Day 3 – Wednesday, April 21

City of Wagner Lagoon

- ½ day at City of Wagner for additional sample collection

Day 4 – Thursday, April 22

Rosebud Community Lagoon

- Lagoon operation, tour the plant, collect samples, and review data

Day 5 – Friday, April 23

Rosebud Community Lagoon

- Collect samples and review data

REGISTER ONLINE:

sdarws.com/lagoon.html

There is no cost to attend

CLASS LOCATIONS:

Wagner City Armory

610 SD Hwy 46 · Wagner, SD

City of Wagner Lagoon

Rosebud Community Lagoon

This workshop is brought to you by:

H & S Environmental, LLC

Instructor: Steve Harris

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lagoonops.com



EPA Region 8, NPDES and

Wetlands Enforcement

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