



RWAAZ ADEQ Operator Certification Exam Prep

Join us:

Take advantage of the opportunity to get valuable insights into the ADEQ Test while getting 10.5 professional development hours.

The Event Will Be Held On:

April 24-25, 2025

At: Yavapai Community College

Verde Valley Campus

601 Black Hills Drive Building I, Room 138

Clarkdale AZ 86324, US

Agenda: ALL THE MATH

Day 1 Thursday

8-8: 30 am Registration & sign in sheet

- Name tags
- Phones to silent

8:30 – 9:30am Unit basics: Introduction dimensional analysis L, C, V, Detention time, Velocity, & flowrates

Break

9:45 – 10:30 am Intro to conversions & formulas Headloss, Pressure, Hp, & Energy

Break

10: 45 -11:30 am Hydraulic overflow rates, weir overflow & solids loading rates
Includes filter backwash calculations and slope

Break

11:30-12:00 pm Lunch is provided

12:00pm -12:45p Understanding chemistry Moles, Molarity, Normality & equivalents

Break

1:00pm – 2pm Alkalinity & hardness titrations
Hands on activity and calculations to accompany

Break

2:15pm – 3pm Dilutions and blending equations activity in lab
Laboratory knowledge for operators: TS, TVS, TDS

Break

3:15pm – 4pm Q & A. Recap & review handouts

Day 2 (1/2 day) Friday

8:00 - 8:30 am Registration & sign in sheet

- Name tags
- Phones to silent

8:30 – 9:30am Disinfection processes
Includes disinfection math: lbs/day

Break

9:45 – 10:30 am Secondary processes: Activated sludge & fixed film
MCRT, BOD, SVI, solids retention time, F/M ratio

Break

10: 45 -11:30am Thickening, dewatering, and drying calculations


Includes feed rates, volatile solids reductions, % capture rates

11:30pm – 12pm Evaluation


Register Today!

<https://www.rwaaz.org/events#!event/2025/4/24/all-the-math-adeq-exam-prep-classevent-details-8226-date-april-24th-25th-2025-8226-thursday-8-00-am-4-00-pmoregistration-starts-at-8amoclass-starts-at-8-30am-8226-friday-8-00-am-12-00-pm-8226-class-time-in-laboratory-8226-learn-the-chemistry-behind-the-math-yavapai-community-college-verde-valley-campus-instructor-marti-blad-lunch-provided-on-1st-day-of-training>

Contact us

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