

Certification Exam

Test Date:

Friday, Jan. 20th, 2012

For information regarding exam:

Call Julie Allen

@

MTDEQ Certification: 444-4584

Exam will be administered by
MTDEQ Certification Office at the
MRWS Training Room at
925 7th Avenue South
Great Falls, MT.



Please call the MRWS Office if you
plan on attending the
Certification Review Session.
on Jan 19th, 2012
(454-1151)

You Do Not need to preregister for
the main training seminar on
Jan 18th, 2012.

For More Information Contact:

MAIN OFFICE

Phone: 406-454-1151

Fax: 406-454-3116

E-mail: mrws@bresnan.net (NEW)

—Or—

Contact

Kevin Durocher

MRWS Training Specialist

406-788-3338

kdurocher@3riversdbs.net



Montana Rural
Water Systems, Inc.
Presents

2012
Annual Small
Systems Seminar
&
Colony Training

—PLUS—

Operator Certification
Review
&
Certification Exam
By MT DEQ

[CEC's 0.8 Dual](#)

Montana Rural Water
Systems, Inc.
925 7th Ave S.
Great Falls, MT. 59405

Annual Small Systems & Colony Training

Wednesday, Jan. 18th, 2012

*Where: Great Falls COT (College of Technology)
Heritage Hall
2100 16th Avenue South, Great Falls*

AGENDA

- 7:30 am — 8:00 am REGISTRATION** (Sign in & pick up folders)
- 8:00 am — 9:00 am Rules & Regulations Updates & Training Information** (MRWS Staff) [0.1 Dual]
> In this hour we will have a brief review on some of the more recent changes in the regulatory arena.
> MRWS Training Program
> Questions from attendees
- 9:00 am — 12:00pm Water & Wastewater Sampling** (Rory Schmidt--Energy Labs) [0.3 Dual]
> Sampling Times, Locations, & Procedures
> Chain of Custody
> QA/QC
> Sample Bottle Identification
> Deciphering Analytical Reports
> Energy Source Database
- 12:00 pm — 1:00 pm ——— LUNCH ON YOUR OWN ———**
- 1:00 pm — 3:00 pm Basic Pump Controls** [0.2 Dual] (Brian Wookey—DXP Enterprises, Inc.)
> Hydraulic Nomenclature > NPSHa vs. NPSHr
> Pump Performance Curves > Multi-pump Operation
> Affinity Laws > Impellor Design
> System Friction Curves > Questions
- 3:00 pm — 5:00 pm Electronic Pump Control—Variable Speed** [0.2 Dual] (Brian Wookey—DXP, Inc.)
> Monitoring & Control Overview > Variable Speed Pump Control Value Proposition
> Pump & System Curve Interaction > Electronic Pump Control Hardware
> Fixed Speed Pumping > Questions
> Variable Speed Pumping
- Pump Selection — If time allows.**
- 5:00 pm Dismissed**—Don't forget to turn in your CEC Forms & Evaluation/Training Needs Forms

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Water & WW Operator Certification Review

Class 3,4,5

*Thursday
January 19th, 2012*

8:00am—5:00pm

**MRWS Training Building
925 7th Ave So., Gt. Falls, MT**

- ◆ Review math equations for dosage, detention time, pressure, flow, etc.
- ◆ Review all pertinent terminology relating to groundwater systems & lagoons.
- ◆ Discuss chemical properties related to groundwater.
- ◆ Review regulatory language related to drinking water & wastewater lagoons.
- ◆ Discuss pump characteristics and hydraulics.
- ◆ Review disinfection properties and methods.

BRING ALL STUDY MATERIALS!!!

Study before attending & bring your list of questions so we can focus on those specific areas where you need the most help.

**Please call Dan Kramer if you have questions regarding Wastewater Certification Review.
(Cell: 406-253-1710)**

No CEC's for this session!