



Circuit Rider Program

Matt Wadlington, P.E.
Dan Vaage, P.E.



Background

- The 1996 Safe Drinking Water Act authorizes up to 2% of the state's annual Drinking Water State Revolving Fund allotment to support technical assistance to small community water systems.
- Program Funding - Provides the resources to complete approximately 150+ service requests per year.
- Program Goals
 - Ensure public health through safe drinking water.
 - Improve compliance with Safe Drinking Water Act.
 - Improve water system capacity and expertise.

The circuit rider program provides on site technical trouble-shooting services for short-term operational or related technical and/or managerial problems (less than 10 hours):

- On-site evaluations to help identify system deficiencies and provide recommendations for resolutions.
- Provide guidance for system management, maintenance, repair and improvement.

But does not:

- Provide design services requiring professional engineering services.

Eligibility

The Circuit Rider program can support:

- Community Drinking Water Systems with less than 10,000 users.
- Not-for-profit Transient and Non-Transient Water Systems

Restrictions

The Circuit Rider program cannot support:

- Federally Owned Facilities (USFS Campgrounds, etc.)

Services and Assistance

The Circuit Rider Program can support:

- Jar testing assistance
- Coagulant dosage optimization
- Corrosion control implementation *
- Chemical feed math instruction
- Turbidimeter calibration
- CT tracer studies *
- Chemical feed pump calibration
- Filter troubleshooting *
- Reporting and record keeping
- Sampling requirements *
- Valve adjustments
- Minor changes to improve treatment and operation *
- Funding application assistance *
- Financing options and strategies
- Pump sizing
- Cross-connection assistance
- Sampling plan assistance
- Storage/distribution problems *
- Supply problems and water rights
- Research/investigation of alternatives
- Recommendations for surface water treatment
- DBP reduction *
- Filter media replacement
- Filter backwash rule compliance
- Disinfection assistance *
- Well repair/abandonment assistance
- Stage two monitoring requirements

* Indicates common requests

Additional Services and Assistance

When Directed by OHA Representatives the CR can Provide the Following Services:

Groundwater Systems

- Data Collection Including Source Sampling
- Ground Water Under the Direct Influence (GWUDI) of Surface Water Evaluation Support
- Technical Support for Ground Water Systems Determined to be Under the Influence of Surface Water
- Chemical feed math instruction

Surface Water Systems

- Sampling Protocol Support for Long Term 2 Enhanced Surface Water Treatment Rule.
- Support for Conducting Cryptosporidium Source Water Sampling
- Perform Initial Bin Classification
- Technical Support on Additional Treatment Modifications Due to Bin Classification

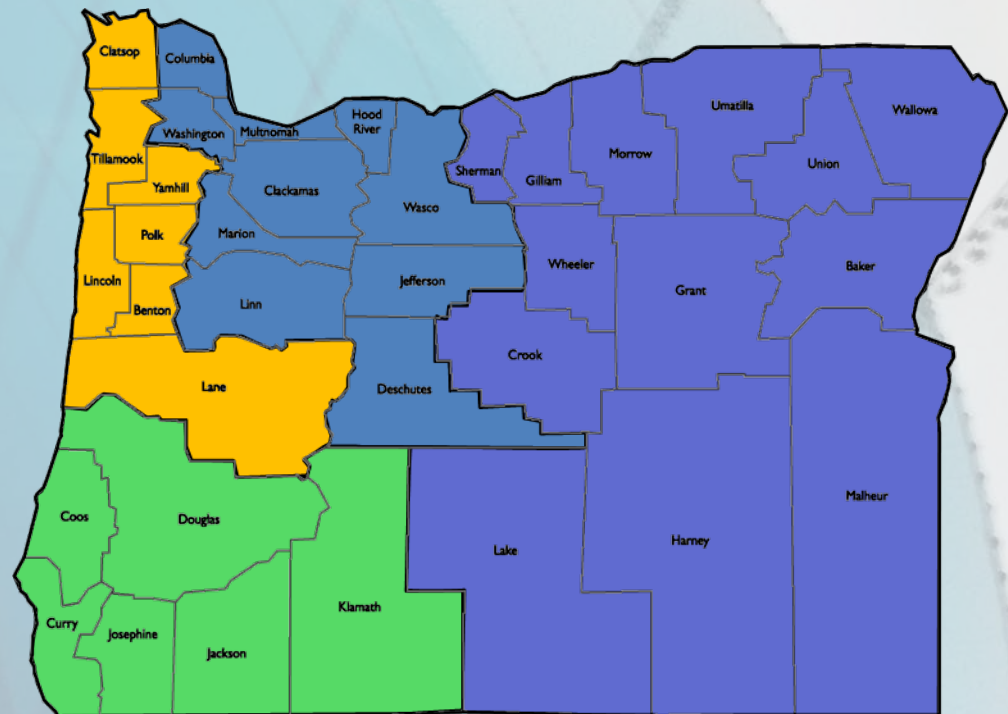
Civil West's Circuit Rider Team Structure

Civil West Program Manager

Marlin Gochnour

Service Area Managers

-  Area 1—Matt Wadlington
-  Area 2—Keven Shreeve
-  Area 3—Will Dawson
-  Area 4—Bret Turner



Civil West's Circuit Rider Support Team Members

Area 1		
Albany Office 541-223-5130		
Employee (CWE)	Office Line	Cell Phone
Matt Wadlington	541-982-4373	Available
Andrew Matsumoto	541-982-2785	Available
Dan Vaage	541-982-4373	Available
Manda Catterlin	541-982-4384	Available
William Templeton	541-982-4240	Available

Area 2		
Newport Office 541-264-7040		
Employee (CWE)	Office Line	Cell Phone
Keven Shreeve	541-982-4270	Available
Chris Janigo	541-982-4382	Available

Area 3		
Coos Bay Office 541-266-8601		
Employee (CWE)	Office Line	Cell Phone
Marlin Gochmour	541-982-4136	Available
Will Dawson	541-982-2762	Available
Aric Farnsworth	541-982-4045	Available
Jared Sylvester	541-982-4385	Available
Jerek Hodge	541-982-2775	Available
Josh Jones	541-982-4083	Available
Manny Ramos	541-982-4082	Available
Stephan Stys	541-982-4267	Available

Area 4	
Employee (HECO)	Office Line
Bret Turner	208-642-3304
Paul Bizeau	208-642-3304
John Blom	208-642-3304
Andrew Gehrke	208-642-3304
George Murgel	208-642-3304

Support Request Process

Who initiates?

1. Water System
2. County Water Master
3. County Health Department
4. OHA Drinking Water Services

Response Time

We strive for a follow-up connection within 24 hours of initial request.

Circuit Rider – Service Request Call and Project Setup Form

Reason

- ☐ General Assistance
- ☐ Emergency Assistance
- ☐ Water Quality Issues
- ☐ CT Tracer Study
- ☐ Funding Applications
- ☐ Other

Investigation Type

- ☐ Operations
- ☐ SWTR
- ☐ Material Recommendations
- ☐ Process Testing
- ☐ Equipment Status

PWS ID: 41-_____

Request Date: _____

- ☐ Ground water
- ☐ Surface water

Initial Call Recipient: _____

Call From: _____

Support Region: _____

Request Forwarded to: _____

Request Summary:

Water System Name:

Contact:

Phone:

Location:

County:

Misc. Comments:

Support Request Process

Deliverables?

A written summary of the contact using the DWS specified format for each assistance activity provided. The document is provided to both the Water System and DWS and consists of:

- Problem identification – reason for the contract
- Action performed by Circuit Rider
- Necessary or follow-up actions

Circuit Rider – Technical Assistance Contact

Oregon Health Authority/Drinking Water Services

Reason

- ☐ General Assistance
- ☐ Emergency Assistance
- ☐ Water Quality Issues
- ☒ CT Tracer Study
- ☐ Funding Applications
- ☐ Other

Investigation Type

- ☒ Operations
- ☐ SWTR
- ☐ Material Recommendations
- ☐ Process Testing
- ☐ Equipment Status

PWS ID: 41-00843

Report Date: 10/19/2017

- ☐ Ground water
- ☒ Surface water

Who Responded: Matt Wadlington

Contact: ☒ By Phone ☐ In Field ☐ Email

Summary: Tracer Study

Water System: Stayton Water Supply

Contact: Lance Ludwick

Location: Stayton, OR

Phone: 503-769-2919

County: Marion

Background/Problem Identification:

The system operator would like to have a tracer study done on the system.

Assistance Provided:

Dan Vaage visited the site on 10/09/2017 to gather information to develop a methodology. Dan performed 3 separate tracer studies for the three different peak flows that the system uses, one at 2,100 gpm on 12/08/2017, one at 4,000 gpm on 01/04/2018, and one at 5,000 gpm on 01/11/2018.

Follow-Up Actions Needed:

None.

Technical Reports to be Prepared and Expected Timeframe:

A CT study report was distributed to both the City and OHA on 01/19/2018.

Sign: _____ Date: _____

Support Data

Since Feb, 2017

- Surface Water Systems: 33 Ground Water Systems: 51
- Total support requests 121

Support Need:

- Funding 20%
- Tracer Study 20%
- MPA 10%
- Operations 10%
- Disinfection 10%
- Corrosion Control 10%

Questions?















THE DEADLY FACTS ABOUT WATER!

FACT!

WATER CAN BE CHEMICALLY
SYNTHESIZED BY BURNING
ROCKET FUEL!!!

FACT!

OVER CONSUMPTION CAN CAUSE
EXCESSIVE SWEATING, URINATION,
AND EVEN DEATH!!!

FACT!

100%
OF ALL SERIAL KILLERS,
RAPIST AND DRUG DEALERS HAVE
ADMITTED TO DRINKING WATER!!!



FACT!

WATER ONE OF THE PRIMARY INGREDIENTS
IN HERBICIDES AND PESTICIDES!!!

FACT!

WATER IS THE LEADING
CAUSE OF DROWNING!!!

FACT!

100 PERCENT OF ALL PEOPLE
EXPOSED TO WATER WILL DIE!