Circuit Rider Program

Civil West Engineering Services, Inc.

Background

In 1996 the Safe Drinking Water Act established the Circuit Rider Program to support community water systems throughout the state of Oregon.

- Program Funding - Up to 2 percent of the state's annual Drinking Water State Revolving Fund.

- Program Purpose - Improve drinking water quality, safety, compliance, and improve water system capacity and expertise.

- Program Process – Support requests are received by the Circuit Rider and the water system (WS) is contacted. When needed a site visit occurs. From the initial coordination a recommended solution to the identified operational/technical or managerial problem is provided to the WS and summary report called a contact report is prepared and submitted to OHA and the WS.

Circuit Rider Program

The Circuit Rider Program provides on site troubleshooting for short-term operational issues:

- On-site evaluations to help identify system deficiencies and provide recommendations for resolutions;
- Provide guidance for system maintenance, repair and improvement;
- Water System Operations: Oregon Circuit Rider Program.

Eligibility

The Circuit Rider Program can Support:

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

Limitations

The Circuit Rider Program Does not Support:

- Federally Owned Facilities (USFS Campgrounds, etc.);
- Design Services Requiring Professional Engineering Services.

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 Circuit Rider 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.

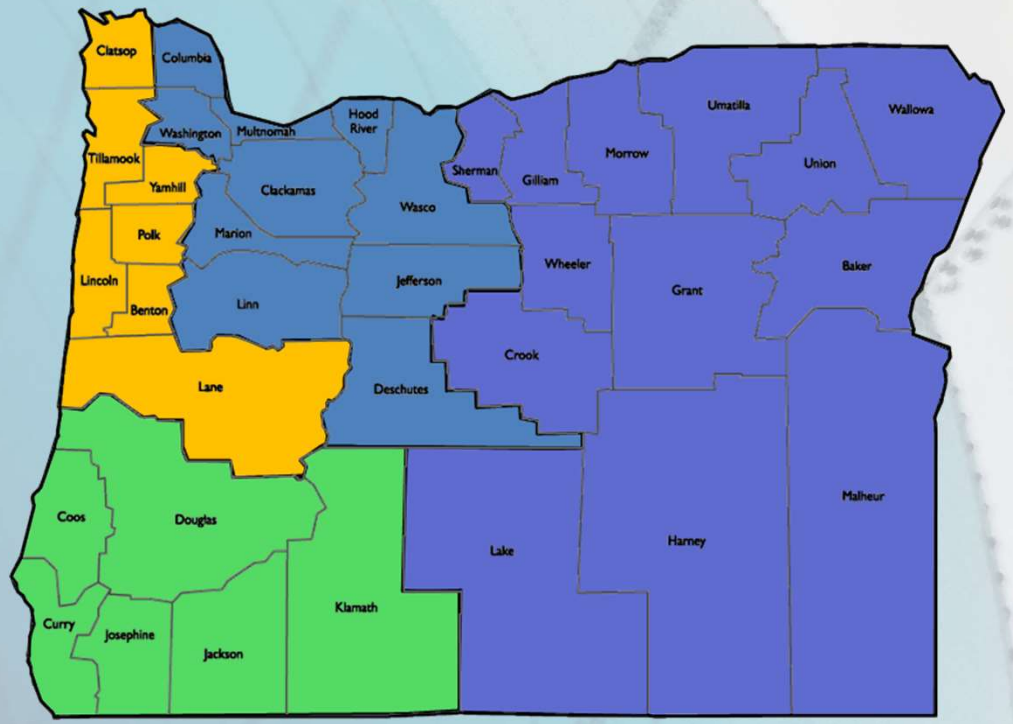
Civil West's Circuit Rider Team Structure

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	541-982-4372	Available
Brad Jones	541-982-4384	Available
Eric Molten	541-982-4118	Available

Area 2		
Newport Office 541-264-7040		
Employee (CWE)	**Office Line**	**Cell Phone**
Keven Shreeve	541-982-4270	Available
Tim Gross	541-982-4240	Available
Chris Janigo	541-982-4123	Available
Sierra Tabaczynski	541-930-3198	Available

Area 3		
Coos Bay Office 541-266-8601		
Employee (CWE)	**Office Line**	**Cell Phone**
Marlin Gochnour	541-982-4136	Available
Will Dawson	541-982-2762	Available
Christopher Kinney	541-982-4267	Available
Sean Lloyd	541-982-4083	Available
Jerek Hodge	541-982-2775	Available
James Parmenter	541-982-2768	Available
Manny Ramos	541-982-4082	Available
Matthew Boley	541-982-4359	Available

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

Support Request Process

Who Initiates?

- Water System Representative/County Water Master/OHA Representative.

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:

Circuit Rider – Technical Assistance Contact

Oregon Health Authority/Drinking Water Services

PWS ID: 41-00843

Report Date: 10/19/2017

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

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

- ☐ 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	Phone:	503-769-2919
Location:	Stayton, OR	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 February, 2017

- Surface Water Systems: 74
- Ground Water Systems: 125

Support Need:

- Funding 20%
- Tracer Study 20%
- MPA 12%
- Operations 10%
- Disinfection 10%
- Corrosion Control 10%

Do you have any questions?