

Request for Adoption of Well Construction Rules

Chapter 690 Divisions 200, 205, 210, 215, 220 and 240

Agenda Item K



Brenda Bateman, Technical Services Administrator

Kristopher Byrd, Well Construction and Compliance Section Manager



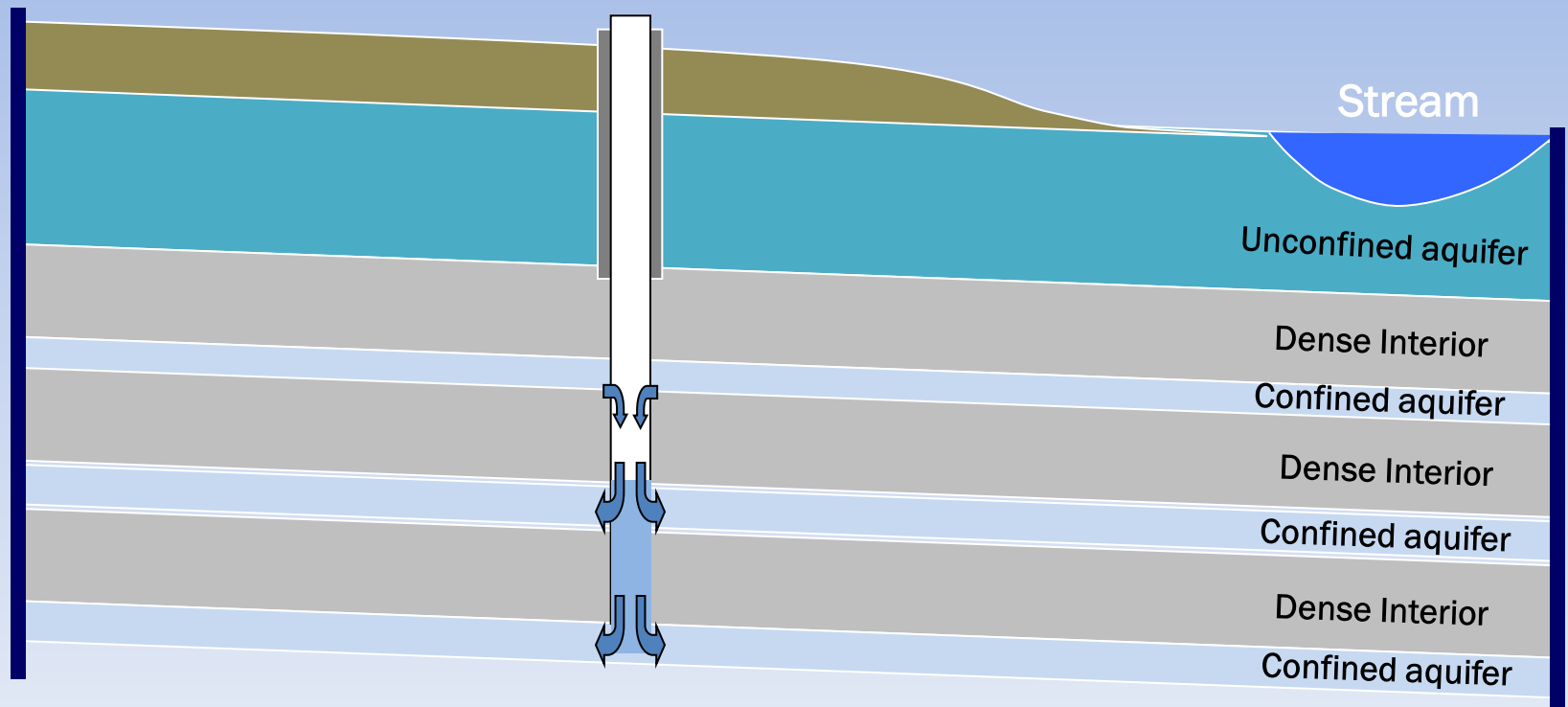
Purpose of Rulemaking

Insufficient well construction has contributed to long term water level declines in the Mosier area of Wasco County. Improper casing and sealing has allowed aquifers to commingle from one aquifer to another.



Commingling Well

Commingling well





Rules Advisory Committee

- **Sippel Well Drilling**
- **Clouser Well Drilling**
- **Zollman's Larry Burd Well Drilling**
- **Schneider Water Services**
- **Arrow Drilling**
- **Westerberg Drilling**
- **Pacific Hydro-Geology Inc.**
- **Oregon Health Authority**
- **Oregon Department of Environmental Quality**
- **Mosier Watershed Council**
- **Wasco County Soil and Water Conservation District**



Meetings

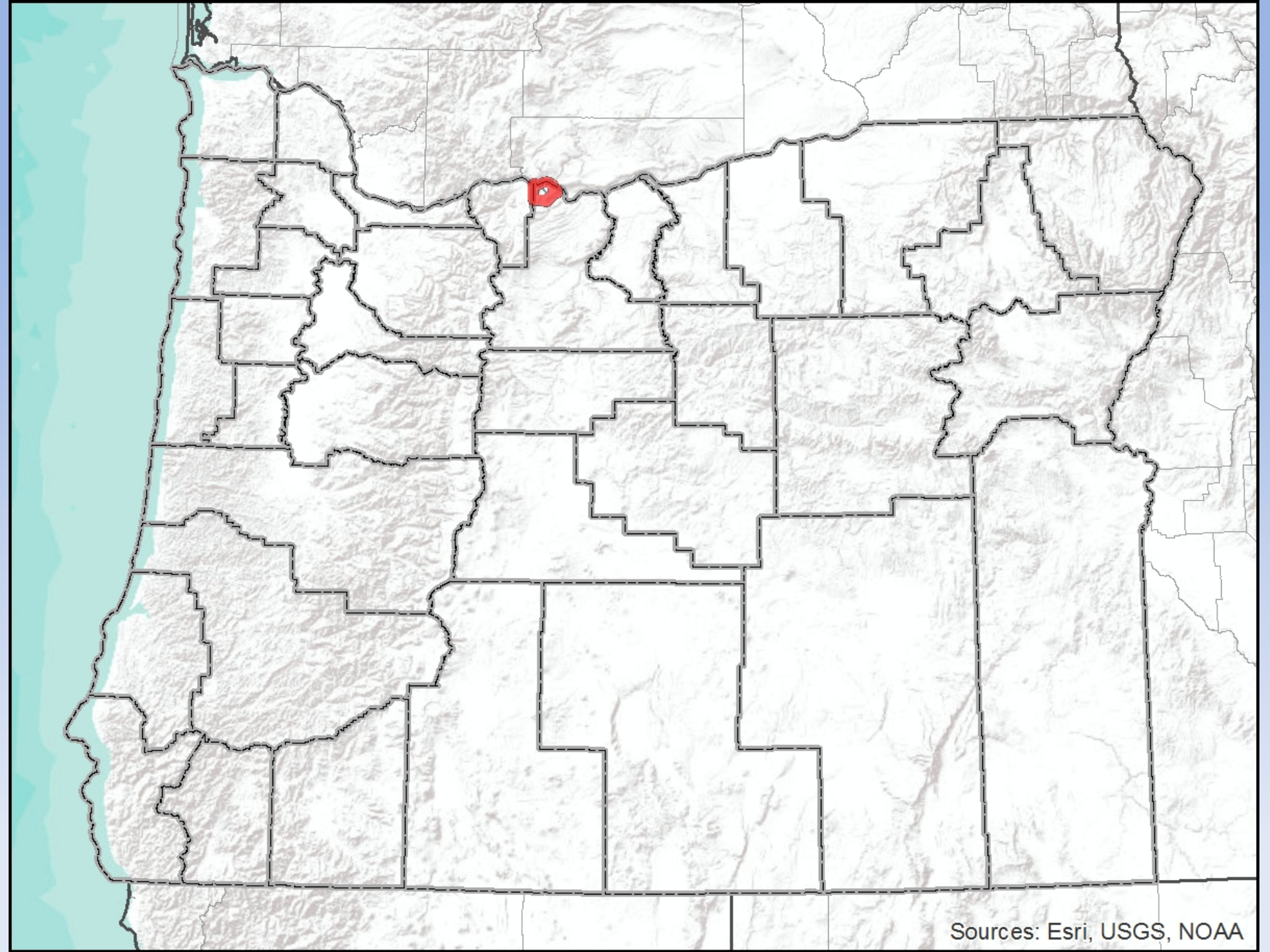
- **November 2014 - Technical**
- **December 2014 - Technical**
- **January 2015 - RAC**
- **February 2015 - RAC**
- **March 2015 - RAC**



Mosier Standards

1.) New/deepened wells developing water from the Columbia River Basalt Group in the Mosier Area of Wasco County. Additional requirements:

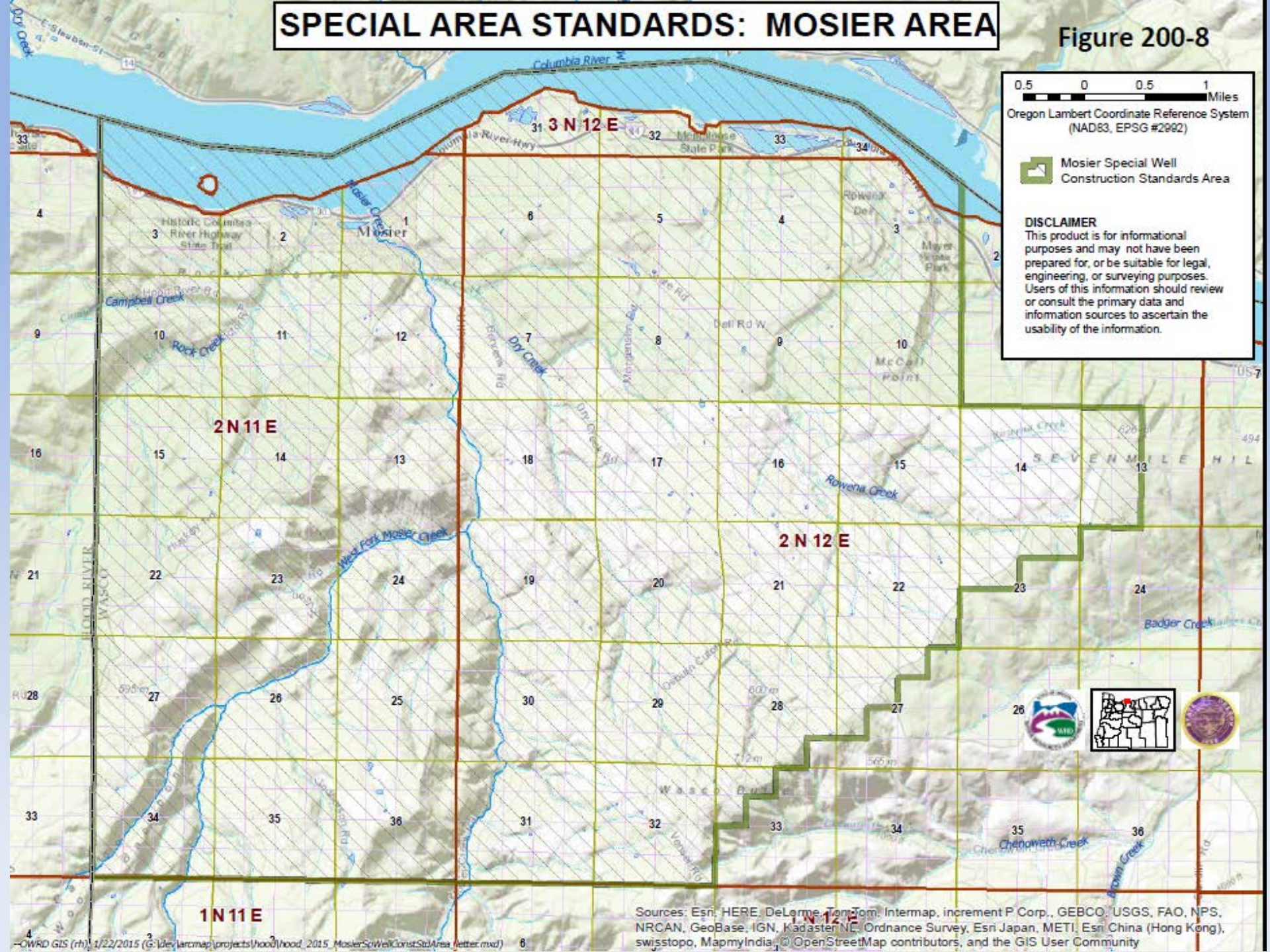
- **10 day notice prior to start of work**
- **Six-inch minimum casing**
- **Consultation with WRD prior to case and seal**
- **Install measuring tube**




Sources: Esri, USGS, NOAA

SPECIAL AREA STANDARDS: MOSIER AREA

Figure 200-8



0.5 0 0.5 1 Miles
Oregon Lambert Coordinate Reference System
(NAD83, EPSG #2992)

 Mosier Special Well Construction Standards Area

DISCLAIMER
This product is for informational purposes and may not have been prepared for, or be suitable for legal, engineering, or surveying purposes. Users of this information should review or consult the primary data and information sources to ascertain the usability of the information.



Sources: Esri, HERE, DeLorme, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community



Changes

2.) Table 200-1 and 240-1 – Clarify which standards

- **Injection wells installed for remediation**
- **Temporary monitoring well (>72 hours)**

3.) OAR 690-200-0050 – Definitions

- **Public water system**
- **Silt**



Changes

4.) Delete 690-215-0015 – replaced by new rule

- **Accessibility recommendation**

5.) Well placement:

- **Five feet from permanent structure**
- **Accessibility requirement**



WELL



Changes

- 6.) Fix casing weight typo in Table 210-2**
- 7.) Clarify piezometer completion requirements**
 - Piezometers are a type of monitoring well installed on non-contaminated sites and are designed solely to get water levels.**
- 8.) License # placement on drilling machines**



Changes

9.) Dug wells:

- **21 feet or less sealed to within 3 feet of bottom.**
- **Greater than 21 feet then seal to minimum 18 feet.**
- **Clarify dug well top terminal height.**
- **Clarify sump description in dug well rule.**





Corrections

690-210-0130

690-210-0320

690-210-0140

690-210-0380

690-210-0150

690-210-0410

690-210-0155

690-210-0420

690-210-0220

690-220-0115

690-210-0230

690-240-0475

690-210-0270

690-240-0525



Comment Period

After drafting proposed rules:

- **24-Day Public Comment Period**
- **Two Public Hearings**
 - **Mosier**
 - **Salem**



Comment Period

- **Two people provided verbal testimony**
 - Both in support of rules
- **Written comments in support**
 - Mosier City Council
 - Mosier Watershed Council
 - Wasco County Soil and Water Conservation District
- **Groundwater Advisory Committee**
 - Voted and provided memo in support of the rules



Alternatives

The Commission may consider the following alternatives:

- 1. Adopt final proposed rules in Attachment 1**
- 2. Adopt modified final proposed rules**
- 3. Not adopt the final proposed rules and request the Department further evaluate the issues**



Alternatives

The Director recommends Alternative 1.

- 1. Adopt final proposed rules in Attachment 1**
2. Adopt modified final proposed rules
3. Not adopt the final proposed rules and request the Department further evaluate the issues



Questions?

Brenda Bateman, Technical Services Administrator

Kristopher Byrd, Well Construction and Compliance Section Manager