Proposed Revisions to

The Oregon Administrative Rules contain OARs filed through June 15, 2011

DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER POLLUTION

DIVISION 41

WATER QUALITY STANDARDS: BENEFICIAL USES, POLICIES, AND CRITERIA FOR OREGON

Basin-Specific Criteria (Umatilla)

340-041-0310

Beneficial Uses to Be Protected in the Umatilla Basin

(1) Water quality in the Umatilla Basin (see Figure 1) must be managed to protect the designated beneficial uses shown in Table 310A (~~November 2003~~February 2012).

(2) Designated fish uses to be protected in the Umatilla Basin are shown in Figures 310A and 310B (November 2003).

Stat. Auth.: ORS 468.020, 468B.030, 468B.035 & 468B.048
Stats. Implemented: ORS 468B.030, 468B.035 & 468B.048
Hist.: DEQ 17-2003, f. & cert. ef. 12-9-03

340-041-0314

Approved TMDLs in the Basin:

The following TMDLs have been approved by EPA, and appear on the Department's web site:

Umatilla River Basin -- Temperature, pH, Sediment, Turbidity, Aquatic Weeds, and Algae -- May 9, 2001

Stat. Auth.: ORS 468.020, 468B.030, 468B.035 & 468B.048
Stats. Implemented: ORS 468B.030, 468B.035 & 468B.048
Hist.: DEQ 17-2003, f. & cert. ef. 12-9-03

340-041-0315

Water Quality Standards and Policies for this Basin

(1) pH (hydrogen ion concentration). pH values may not fall outside the following range: all Basin streams (other than main stem Columbia River and the West Division Main Canal): 6.5-9.0. When greater than 25 percent of ambient measurements taken between June and September are greater than pH 8.7, and as resources are available according to priorities set by the Department, the Department will determine whether the values higher than 8.7 are anthropogenic or natural in origin.

(2) The following criteria apply to the West Division Main Canal and supersede the water quality standards in OAR 340-041-0011 through 340-041-0036:

(a) The numeric criteria shown in Table 310B;

(b) Toxic substances may not be introduced to the canal in amounts, concentrations or combinations that are likely to harm the designated beneficial uses of the canal; and

(c) Sediment load and particulate size shall not exceed levels that interfere with irrigation or the other designated beneficial uses of the canal.

(2) Minimum Design Criteria for Treatment and control of Sewage Wastes in this Basin:

(a) During periods of low stream flows (approximately April 1 to October 31): Treatment resulting in monthly average effluent concentrations not to exceed 20 mg/l of BOD and 20 mg/l of SS or equivalent control;

(b) During the period of high stream flows (approximately November 1 to April 30): A minimum of secondary treatment or equivalent control and unless otherwise specifically authorized by the Department, operation of all waste treatment and control facilities at maximum practicable efficiency and effectiveness so as to minimize waste discharges to public waters.

Stat. Auth.: ORS 468.020, 468B.030, 468B.035 & 468B.048
Stats. Implemented: ORS 468B.030, 468B.035 & 468B.048
Hist.: DEQ 17-2003, f. & cert. ef. 12-9-03; DEQ 2-2007, f. & cert. ef. 3-15-07

Table 310A

Designated Beneficial Uses

Umatilla Basin

(340-41-0310)

Beneficial Uses	Umatilla Subbasin	Willow Creek Subbasin	West Division Main Canal[3]
Public Domestic Water Supply[1]	X	X	
Private Domestic Water Supply[1]	X	X	
Industrial Water Supply	X	X	X
Irrigation	X	X	X
Livestock Watering	X	X	X
Fish & Aquatic Life[2]	X	X	
Wildlife & Hunting	X	X	X
Fishing	X	X	
Boating	X	X (at mouth)	
Water Contact Recreation	X	X	X
Aesthetic Quality	X	X	X
Hydro Power	X	X	X
Commercial Navigation & Transportation			

[1]With adequate pretreatment (filtration & disinfection) and natural quality to meet drinking water standards.

[2]See also Figures 310A and 310B for fish use designations for this basin. Note: There is no fish & aquatic life use in the West Division Mail Canal. This table supersedes Figure 310A, which shows redband trout in the canal, but is updated with this rulemaking.

[3]The West Division Main Canal extends from the point of diversion from the Umatilla River to the confluence with the Columbia River, including the lined portion of the canal and the unlined overflow channels at the tail end of the canal.

Table ~~produced November, 2003~~ revised February, 2012

Table 310B

Water Quality Criteria

West Division Main Canal, Umatilla Basin

(340-41-0310)

Parameter	For Irrigation (mg/l unless noted)	For Livestock Watering (mg/l)
pH	4.5 to 9.0 standard units	
Total dissolved solids	750	
Aluminum	5	5
Arsenic (inorganic)	0.1	0.2
Beryllium	0.1	
Boron	0.075	5
Cadmium	0.01	0.05
Chromium	0.1	1
Cobalt	0.05	
Copper	0.2	0.5
Fluorides	1	2
Iron	5	
Lead	5	0.1
Lithium	2.5	
Manganese	0.2	
Mercury		0.01
Molybdenum	0.01	
Nickel	0.2	
nitrite alone		10
Selenium	0.02	0.05
vanadium	0.1	0.1
Zinc	2	25