



DIVISION 40

GROUNDWATER QUALITY PROTECTION

340-040-0020

General Policies

Table 1

NUMERICAL GROUNDWATER QUALITY REFERENCE LEVELS: 1

Inorganic Contaminants -- Reference Level (mg/L)

Arsenic -- 0.05

Barium -- 1.0

Cadmium -- 0.01

Chromium -- 0.05

Fluoride -- 4.0

Lead -- 0.05

Mercury -- 0.002

Nitrate-N -- 10.0

Selenium -- 0.01

Silver -- 0.05

¹All reference levels are for total (unfiltered) concentrations unless otherwise specified by the Department.

Table 2

NUMERICAL GROUNDWATER QUALITY REFERENCE LEVELS (Continued): 1

Organic Contaminants -- Reference Level (mg/L)

Benzene -- 0.005

Carbon Tetrachloride -- 0.005

p-Dichlorobenzene -- 0.075

1,2-Dichloroethane -- 0.005

1,1-Dichloroethylene -- 0.007

1,1,1-Trichloroethane -- 0.200

Trichloroethylene -- 0.005

Total Trihalomethanes -- 0.100

(the sum of concentrations bromodichloromethane, dibromochloromethane, tribromomethane (bromoform), and trichloromethane (chloroform))

Vinyl Chloride -- 0.002

2,4-D -- 0.100

Endrin -- 0.0002

Lindane -- 0.004

Methoxychlor -- 0.100

Toxaphene -- 0.005

2,4,5-TP Silvex -- 0.010

¹All reference levels are for total (unfiltered) concentrations unless otherwise specified by the Department.

Table 3

NUMERICAL GROUNDWATER QUALITY GUIDANCE LEVELS: 1

Miscellaneous Contaminants -- Guidance Level (mg/L) 2

Chloride -- 250

Color -- 15 Color Units

Copper -- 1.0

Foaming agents -- 0.5

Iron -- 0.3

Manganese -- 0.05

Odor -- 3 Threshold odor number

pH -- 6.5-8.5

Sulfate -- 250

Total dissolved solids -- 500

Zinc -- 5.0

¹All guidance levels except total dissolved solids and are for total (unfiltered) concentrations unless otherwise specified by the Department.

²Unless otherwise specified, except pH.

Stat. Auth.: [ORS 468](#) & [ORS 468B](#)

Stats. Implemented: [ORS 468.020](#), [ORS 468.035](#), [ORS 468B.155](#) & [ORS 468B.165](#)

Hist.: DEQ 24-1981, f. & ef. 9-8-81; DEQ 13-1984, f. & ef. 7-13-84; DEQ 27-1989, f. & cert. ef. 10-27-89; Renumbered from 340-041-0029; DEQ 4-1996, f. & cert. ef. 3-7-96