Appendix B - Converting MCL Water Quality Compliance Values
(for Env-Dw 811.10 and Env-Dw 811.14)

Contaminant	Traditional MCL in compliance units (mg/L)	To convert to a whole number, Multiply by....	MCL in CCR units	MCLG in Whole Numbers
Microbiological Contaminants				
Total Coliform Bacteria	For systems that collect 40 or more samples per month, MCL occurs when 5% of monthly samples are positive. For systems that collect fewer than 40 samples per month, MCL occurs when 1 monthly sample is positive		CWS that collect 40 or more samples per month; not more than 5% of monthly samples are allowed to be positive. CWS that collect fewer than 40 samples per month; not more than 1 positive monthly sample.	0
Turbidity	TT		TT (NTU)	n/a
Fecal coliforms or E. coli, or both	0		0	0
Total Organic Carbon	TT		TT (ppm)	n/a
Radioactive Contaminants				
Beta/photon emitters	4 mrem/yr		4 mrem/yr	0
Alpha emitters	15 pCi/L		15 pCi/L	0
Combined radium	5 pCi/L		5 pCi/L	0
Uranium	30 ug/L		30 ug/L	0
Inorganic Contaminants				
Antimony	0.006	1,000	6 ppb	6
Arsenic	0.010	1,000	10 ppb	0
Asbestos	7 MFL		7 MFL	7
Barium	2		2 ppm	2
Beryllium	0.004	1,000	4 ppb	4
Bromate	0.010	1,000	10 ppb	0
Cadmium	0.005	1,000	5 ppb	5
Chloramines	MRDL = 4		MRDL = 4 ppm	MRDLG = 4
Chlorine	MRDL = 4		MRDL = 4 ppm	MRDLG = 4
Chlorine dioxide	MRDL = 0.8	1,000	MRDL = 800 ppb	MRDLG = 800
Chlorite	1		1 ppm	0.8
Chromium	0.1	1,000	100 ppb	100
Copper	AL=1.3		AL=1.3 ppm	1.3

Cyanide	0.2	1,000	200 ppb	200
Fluoride	4.0		4.0 ppm	4.0
Lead	AL=0.015	1,000	AL=15 ppb	0
Mercury (inorganic)	0.002	1,000	2 ppb	2
Nitrate (as Nitrogen)	10		10 ppm	10
Nitrite (as Nitrogen)	1		1 ppm	1
Selenium	0.05	1,000	50 ppb	50
Thallium	0.002	1,000	2 ppb	0.5
Synthetic Organic Contaminants, including Pesticides and Herbicides				
2,4-D	0.07	1,000	70 ppb	70
2,4,5-TP (Silvex)	0.05	1,000	50 ppb	50
Acrylamide	TT		TT (ppm)	0
Alachlor	0.002	1,000	2 ppb	0
Atrazine	0.003	1,000	3 ppb	3
Benzo(a)pyrene (PAH)	0.0002	1,000,000	200 ppt	0
Carbofuran	0.04	1,000	40 ppb	40
Chlordane	0.002	1,000	2 ppb	0
Dalapon	0.2	1,000	200 ppb	200
Di(2-ethylhexyl) adipate	0.4	1,000	400 ppb	400
Di(2-ethylhexyl) phthalate	0.006	1,000	6 ppb	0
Dibromochloropropane	0.0002	1,000,000	200 ppt	0
Dinoseb	0.007	1,000	7 ppb	7
Diquat	0.02	1,000	20 ppb	20
Dioxin [2,3,7,8-TCDD]	0.00000003	1,000,000,000	30 ppq	0
Endothall	0.1	1,000	100 ppb	100
Endrin	0.002	1,000	2 ppb	2
Epichlorohydrin	TT		TT (ppm)	0
Ethylene dibromide	0.00005	1,000,000	50 ppt	0
Glyphosate	0.7	1,000	700 ppb	700
Heptachlor	0.0004	1,000,000	400 ppt	0
Heptachlor epoxide	0.0002	1,000,000	200 ppt	0
Hexachlorobenzene	0.001	1,000	1 ppb	0
Hexachlorocyclopenta-diene	0.05	1,000	50 ppb	50
Lindane	0.0002	1,000,000	200 ppt	200
Methoxychlor	0.04	1,000	40 ppb	40
Oxamyl [Vydate]	0.2	1,000	200 ppb	200
PCBs [Polychlorinated biphenyls]	0.0005	1,000,000	500 ppt	0
Pentachlorophenol	0.001	1,000	1 ppb	0

Picloram	0.5	1,000	500 ppb	500
Simazine	0.004	1,000	4 ppb	4
Toxaphene	0.003	1,000	3 ppb	0
Volatile Organic Contaminants				
Benzene	0.005	1,000	5 ppb	0
Carbon tetrachloride	0.005	1,000	5 ppb	0
Chloramines	MRDL = 4	……	MRDL = 4 ppm	MRDLG = 4
Chlorine	MRDL = 4	……	MRDL = 4 ppm	MRDLG = 4
Chlorite	1	……..	1 ppm	0.8
Chlorine dioxide	MRDL = 0.8	1,000	MRDL = 800 ppb	MRDLG = 800
Chlorobenzene	0.1	1,000	100 ppb	100
o-Dichlorobenzene	0.6	1,000	600 ppb	600
p-Dichlorobenzene	0.075	1,000	75 ppb	75
1,2-Dichloroethane	0.005	1,000	5 ppb	0
1,1-Dichloroethylene	0.007	1,000	7 ppb	7
cis-1,2-Dichloroethylene	0.07	1,000	70 ppb	70
trans-1,2-Dichloroethylene	0.1	1,000	100 ppb	100
Dichloromethane	0.005	1,000	5 ppb	0
1,2-Dichloropropane	0.005	1,000	5 ppb	0
Ethylbenzene	0.7	1,000	700 ppb	700
Haloacetic Acids (HAA)	0.060	1,000	60 ppb	n/a
MtBE	0.013	1,000	13 ppb	13
Styrene	0.1	1,000	100 ppb	100
Tetrachloroethylene	0.005	1,000	5 ppb	0
1,2,4-Trichlorobenzene	0.07	1,000	70 ppb	70
1,1,1-Trichloroethane	0.2	1,000	200 ppb	200
1,1,2-Trichloroethane	0.005	1,000	5 ppb	3
Trichloroethylene	0.005	1,000	5 ppb	0
TTHMs [Total trihalomethanes]	0.10/0.080	1,000	100/80 ppb	n/a
Toluene	1		1 ppm	1
Vinyl Chloride	0.002	1,000	2 ppb	0
Xylenes, Total	10		10 ppm	10

Abbreviations: AL = Action Level; MRDL = Maximum Residual Disinfectant Level; MFL = Million Fibers per Liter; NTU = Nephelometric Turbidity Unit; ppb = Parts per billion; ppm = parts per million; ppq = parts per quadrillion; ppt = Parts per trillion; pCi/L = picocuries per liter; TT = Treatment Technique