

APPENDIX B - VIOLATIONS BY CONTAMINANT CATEGORY

CONTAMINANT		MCL'S		MONITORING AND REPORTING	
NAME OF CONTAMINANT	MCL (mg/L)	NUMBER OF WATER SYSTEMS	NUMBER OF VIOLATIONS	NUMBER OF WATER SYSTEMS	NUMBER OF VIOLATIONS
INORGANIC COMPOUND VIOLATIONS					
Aluminum	1	1	1	1	2
Antimony	0.006	2	3	1	2
Arsenic	0.01	182	604	25	36
Asbestos	7 MFL				
Barium	1			1	2
Beryllium	0.004			1	2
Cadmium	0.005			1	2
Chromium (total)	0.05			1	2
Cyanide	0.15				
Fluoride (naturally occurring)	2	3	9	3	4
Lead	0.015			1	1
Mercury	0.002			1	2
Nitrate (as NO ₃)	45	67	108	135	145
Nitrite (as N)	1	1	1	13	15
Nitrate + Nitrite (sum as N)	10	1	3		
Perchlorate	0.006	2	2	9	13
Selenium	0.05			1	2
Thallium	0.002			1	2
TOTALS		731		232	

SYNTHETIC ORGANIC COMPOUND VIOLATIONS					
Alachlor	0.002			3	3
Atrazine	0.001			2	2
Bentazon	0.018			2	2
Benzo(a)pyrene	0.0002			2	2
Carbofuran	0.018			2	2
Chlordane	0.0001			2	2
2,4-D	0.07			2	2
Dalapon	0.2			2	2
Dibromochloropropane	0.0002	8	13	2	2
Di(2-ethylhexyl)adipate	0.4			2	2
Di(2-ethylhexyl)phthalate	0.004			2	2
Dinoseb	0.007			2	2
Diquat	0.02			2	2
Endothall	0.1			2	2
Endrin	0.002			2	2
Ethylene Dibromide	0.00005			2	2
Glyphosate	0.7			2	2
Heptachlor	0.00001			2	2
Heptachlor Epoxide	0.00001			2	2
Hexachlorobenzene	0.001			2	2
Hexachlorocyclopentadiene	0.05			2	2
Lindane	0.0002			2	2
Methoxychlor	0.03			2	2
Molinate	0.02			2	2
Oxamyl	0.05			2	2
Pentachlorophenol	0.001			2	2
Picloram	0.5			2	2
Polychlorinated Biphenyls	0.0005			2	2
Simazine	0.004			2	2
Thiobencarb	0.07			2	2
Toxaphene	0.003			2	2
2,3,7,8-TCDD (Dioxin)	3 x 10-8			2	2
2,4,5-TP (Silvex)	0.05			2	2
TOTALS				13	67

VOLATILE ORGANIC COMPOUND VIOLATIONS					
Benzene	0.001			4	5
Carbon Tetrachloride	0.0005			5	7
1,2-Dichlorobenzene	0.6			3	4
1,4-Dichlorobenzene	0.005			3	4
1,1-Dichloroethane	0.005			3	4
1,2-Dichloroethane	0.0005			3	4
1,1-Dichloroethylene	0.006			3	4
cis-1,2-Dichloroethylene	0.006			3	4
trans-1,2-Dichloroethylene	0.01			3	4
Dichloromethane	0.005			4	5
1,2-Dichloropropane	0.005			3	4
1,3-Dichloropropene (total of isomers)	0.0005			2	3
1,3-Dichloropropane	0.0005			1	1
Ethylbenzene	0.3			3	4
Methyl-tert-butyl ether	0.013			2	2
Monochlorobenzene	0.07			3	4
Styrene	0.1			3	4
1,1,2,2-Tetrachloroethane	0.001			3	4
Tetrachloroethylene	0.005	1	4	3	4
Toluene	0.15			4	5
1,2,4-Trichlorobenzene	0.005			3	4
1,1,1-Trichloroethane	0.2			3	4
1,1,2-Trichloroethane	0.005			3	4
Trichloroethylene	0.005			3	4
Trichlorofluoromethane	0.15			3	4
1,1,2-Trichloro-1,2,2-Trifluoroethane (freon 113?)	1.2			3	4
Vinyl Chloride	0.0005			3	4
Xylenes	1.75			3	4
TOTALS				4	112

RADIONUCLIDE VIOLATIONS					
Gross alpha	15 pCi/L	12	16	4	7
Radium 226	--			1	1
Radium 228	--			2	8
Combined radium 226/228	5 pCi/L			2	2
Uranium	30 µg/L	13	24	3	7
Uranium (check)	30 µg/L	2	5		
Gross Beta	50 pCi/L				
TOTALS		45		25	
TOTAL COLIFORM RULE (TCR) VIOLATIONS					
Coliforms - Acute MCL	Absence	30	37		n/a
Total Coliform - Non acute MCL	Absence	447	619		n/a
Total Coliform - Notification			n/a	2	2
Total Coliform-routine monitoring Major			n/a	439	585
Total Coliform-routine monitoring Minor			n/a	87	96
Total Coliform-followup repeat monitoring Major			n/a	78	86
Total Coliform-followup repeat monitoring Minor			n/a	46	49
TOTALS		656		818	

DISINFECTANT AND DISINFECTION BYPRODUCTS RULE (DBPR) VIOLATIONS					
DBP	N/A			3	3
Chlorite (average of three samples)	1.0 mg/L				
Bromate (running average/quarterly)	0.010 mg/L	2	3	1	1
Haloacetic Acids (HAA-5) (running annual average/computed quarterly)	0.060 mg/L	14	28	23	26
Total Trihalomethanes (TTHM) (running annual average/computed quarterly)	0.080 mg/L	55	182	27	31
Chloramines (annual average, computed quarterly, of monthly averages)	4.0 mg/L				
Chlorine Dioxide (Acute and Non-Acute)	0.8 mg/L				
Chlorine	4.0 mg/L	1	3	9	13
Total Organic Carbon (TOC)	1. Failure to meet DBP precursor removal, or;	2	3		n/a
	2. Failure to collect source and finished water TOC/alkalinity samples		n/a	1	1
TOTALS		219		75	
SURFACE WATER TREATMENT RULE (SWTR) ENHANCED SURFACE WATER TREATMENT RULES (ESWTR) VIOL.					
SWTR - treatment technique (41)	TT	32	46		n/a
SWTR - failure to filter (42)	TT	2	2		n/a
ESWTR-turbidity > 1 NTU (43)	TT	2	11		n/a
ESWTR - turbidity >0.3 NTU (44)	TT	5	11		n/a
SWTR-unfiltered sys-monitoring (31)			n/a	2	3
SWTR-filtered sys-monitoring (36)			n/a	9	14
ESWTR-filtered turbidity-monitoring (38)			n/a	2	4
TOTALS		70		21	

LEAD AND COPPER RULE (LCR) VIOLATIONS					
LCR - OCCT Installation/Demonstration	TT	1	1		n/a
LCR - Initial monitoring			n/a	2	2
LCR - Routine&followup monitoring			n/a	21	21
LCR - initial water quality parameter (WQP)			n/a	2	3
TOTALS			1		26
PUBLIC NOTIFICATION (PN) VIOLATIONS					
Public Notice Rule violation for an NPDWR violation	n/a		n/a	8	9
TOTALS			0		9
CONSUMER CONFIDENCE REPORT (CCR) VIOLATIONS					
Consumer Confidence Report	n/a		n/a	76	77
TOTALS			0		77