Revisions to Ontario Regulation 153/04 Site Condition Standards (2004 *versus* 2009)

TABLE 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition

Contaminant	Soil Site Condition Standards (SCS) for Coarse Grained Soils µg/g								
	Agricultural or Other Property Use			Residential/ Parkland/Institutional Property Use			Industrial/ Commercial/Community Property Use		
	2004	2009	Change	2004	2009	Change	2004	2009	Change
Acenaphthene	15	7.9	1.9 -fold decrease	15	7.9	1.9 -fold decrease	15	21	1.4 -fold increase
Acenaphthylene	100	0.15	667 -fold decrease	100	0.15	666.7 -fold decrease	130	0.15	866.7 -fold decrease
Acetone	3.5	16	4.6 -fold increase	3.5	16	4.6 -fold increase	3.5	16	4.6 -fold increase
Aldrin	0.05	0.05	NO CHANGE	0.05	0.05	NO CHANGE	0.05	0.088	1.8 -fold increase
Anthracene	28	0.67	41.8 -fold decrease	28	0.67	41.8 -fold decrease	28	0.67	41.8 -fold decrease
Antimony	13	7.5	1.7 -fold decrease	13	7.5	1.7 -fold decrease	40	40	NO CHANGE
Arsenic	20	11	1.8 -fold decrease	20	18	1.1 -fold decrease	40	18	2.2 -fold decrease
Barium	750	390	1.9 -fold decrease	750	390	1.9 -fold decrease	1500	670	2.2 -fold decrease
Benzene	0.24	0.21	1.1 -fold decrease	0.24	0.21	1.1 -fold decrease	0.24	0.32	1.3 -fold increase
Benz[a]anthracene	6.6	0.5	13.2 -fold decrease	6.6	0.5	13.2 -fold decrease	6.6	0.96	6.9 -fold decrease
Benzo[a]pyrene	1.2	0.078	15.4 -fold decrease	1.2	0.3	4.0 -fold decrease	1.9	0.3	6.3 -fold decrease
Benzo[b]fluoranthene	12	0.78	15.4 -fold decrease	12	0.78	15.4 -fold decrease	18	0.96	18.8 -fold decrease
Benzo[ghi]perylene	40	6.6	6.1 -fold decrease	40	6.6	6.1 -fold decrease	40	9.6	4.2 -fold decrease
Benzo[k]fluoranthene	12	0.78	15.4 -fold decrease	12	0.78	15.4 -fold decrease	18	0.96	18.8 -fold decrease
Beryllium	1.2	4	3.3 -fold increase	1.2	4	3.3 -fold increase	1.2	8	6.7 -fold increase
Biphenyl 11'-	0.89	0.31	2.9 -fold decrease	0.89	0.31	2.9 -fold decrease	0.89	52	58.4 -fold increase
Bis(2-chloroethyl)ether	0.66	0.5	1.3 -fold decrease	0.66	0.5	1.3 -fold decrease	0.66	0.5	1.3 -fold decrease
Bis(2-chloroisopropyl)ether	0.66	0.67	1.0 -fold increase	0.66	0.67	1.0 -fold increase	0.66	11	16.7 -fold increase
Bis(2-ethylhexyl)phthalate	100	5	20.0 -fold decrease	100	5	20.0 -fold decrease	100	28	3.6 -fold decrease
Boron (Hot Water Soluble)	1.5	1.5	NO CHANGE	1.5	1.5	NO CHANGE	2	2	NO CHANGE
Boron (total)	-	120	NEW CHEMICAL	-	120	NEW CHEMICAL	-	120	NEW CHEMICAL
Bromodichloromethane	0.12	1.5	12.5 -fold increase	0.12	1.5	12.5 -fold increase	0.12	1.5	12.5 -fold increase
Bromoform	0.11	0.27	2.5 -fold increase	0.11	0.27	2.5 -fold increase	0.11	0.61	5.5 -fold increase
Bromomethane	0.061	0.05	1.2 -fold decrease	0.061	0.05	1.2 -fold decrease	0.061	0.05	1.2 -fold decrease
Cadmium	3	1	3.0 -fold decrease	12	1.2	10.0 -fold decrease	12	1.9	6.3 -fold decrease
Carbon Tetrachloride	0.1	0.05	2.0 -fold decrease	0.1	0.05	2.0 -fold decrease	0.1	0.21	2.1 -fold increase
Chlordane	0.29	0.05	5.8 -fold decrease	0.29	0.05	5.8 -fold decrease	0.29	0.05	5.8 -fold decrease
Chloroaniline p-	1.3	0.5	2.6 -fold decrease	1.3	0.5	2.6 -fold decrease	1.3	0.5	2.6 -fold decrease
Chlorobenzene	2.4	2.4	NO CHANGE	2.4	2.4	NO CHANGE	2.4	2.4	NO CHANGE
Chloroform	0.13	0.05	2.6 -fold decrease	0.13	0.05	2.6 -fold decrease	0.13	0.47	3.6 -fold increase
Chlorophenol 2-	0.1	1.6	16.0 -fold increase	0.1	1.6	16.0 -fold increase	0.1	3.1	31.0 -fold increase
Chromium Total	750	160	4.7 -fold decrease	750	160	4.7 -fold decrease	750	160	4.7 -fold decrease
Chromium VI	8	8	NO CHANGE	8	8	NO CHANGE	8	8	NO CHANGE
Chrysene	12	7	1.7 -fold decrease	12	7	1.7 -fold decrease	17	9.6	1.8 -fold decrease
Cobalt	40	22	1.8 -fold decrease	40	22	1.8 -fold decrease	80	80	NO CHANGE
Copper	150	140	1.1 -fold decrease	225	140	1.6 -fold decrease	225	230	1.0 -fold increase
Cyanide (CN-)	100	0.051	1960.8 -fold decrease	100	0.051	1960.8 -fold decrease	100	0.051	1960.8 -fold decrease
Dibenz[a h]anthracene	1.2	0.1	12.0 -fold decrease	1.2	0.1	12.0 -fold decrease	1.9	0.1	19.0 -fold decrease
Dibromochloromethane	0.09	2.3	25.6 -fold increase	0.09	2.3	25.6 -fold increase	0.09	2.3	25.6 -fold increase

Revisions to Ontario Regulation 153/04 Site Condition Standards (2004 *versus* 2009)

TABLE 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition

Contaminant	Soil Site Condition Standards (SCS) for Coarse Grained Soils µg/g								
	Agricultural or Other Property Use			Residential/ Parkland/Institutional Property Use			Industrial/ Commercial/Community Property Use		
	2004	2009	Change	2004	2009	Change	2004	2009	Change
Dichlorobenzene 1 2-	0.88	1.2	1.4 -fold increase	0.88	1.2	1.4 -fold increase	0.88	1.2	1.4 -fold increase
Dichlorobenzene 1 3-	30	4.8	6.3 -fold decrease	30	4.8	6.3 -fold decrease	30	9.6	3.1 -fold decrease
Dichlorobenzene 1 4-	0.32	0.083	3.9 -fold decrease	0.32	0.083	3.9 -fold decrease	0.32	0.2	1.6 -fold decrease
Dichlorobenzidine 3 3'-	1.3	1	1.3 -fold decrease	1.3	1	1.3 -fold decrease	1.3	1	1.3 -fold decrease
Dichlorodifluoromethane	-	16	NEW CHEMICAL	-	16	NEW CHEMICAL	-	16	NEW CHEMICAL
DDD	2.2	3.3	1.5 -fold increase	2.2	3.3	1.5 -fold increase	3.5	4.6	1.3 -fold increase
DDE	1.6	0.26	6.2 -fold decrease	1.6	0.26	6.2 -fold decrease	2.4	0.52	4.6 -fold decrease
DDT	1.6	0.078	20.5 -fold decrease	1.6	1.4	1.1 -fold decrease	2	1.4	1.4 -fold decrease
Dichloroethane 1 1-	3	0.47	6.4 -fold decrease	3	0.47	6.4 -fold decrease	3	0.47	6.4 -fold decrease
Dichloroethane 1 2-	0.022	0.05	2.3 -fold increase	0.022	0.05	2.3 -fold increase	0.022	0.05	2.3 -fold increase
Dichloroethylene 1 1-	0.0024	0.05	20.8 -fold increase	0.0024	0.05	20.8 -fold increase	0.0024	0.064	26.7 -fold increase
Dichloroethylene 1 2-cis-	2.3	1.9	1.2 -fold decrease	2.3	1.9	1.2 -fold decrease	2.3	1.9	1.2 -fold decrease
Dichloroethylene 1 2-trans-	4.1	0.084	48.8 -fold decrease	4.1	0.084	48.8 -fold decrease	4.1	1.3	3.2 -fold decrease
Dichlorophenol 2 4-	0.3	0.19	1.6 -fold decrease	0.3	0.19	1.6 -fold decrease	0.3	0.19	1.6 -fold decrease
Dichloropropane 1 2-	0.019	0.05	2.6 -fold increase	0.019	0.05	2.6 -fold increase	0.019	0.16	8.4 -fold increase
Dichloropropene 1 3-	0.0066	0.05	7.6 -fold increase	0.0066	0.05	7.6 -fold increase	0.0066	0.059	8.9 -fold increase
Dieldrin	0.05	0.05	NO CHANGE	0.05	0.05	NO CHANGE	0.05	0.088	1.8 -fold increase
Diethyl Phthalate	0.71	0.5	1.4 -fold decrease	0.71	0.5	1.4 -fold decrease	0.71	0.5	1.4 -fold decrease
Dimethylphthalate	0.7	0.5	1.4 -fold decrease	0.7	0.5	1.4 -fold decrease	0.7	0.5	1.4 -fold decrease
Dimethylphenol 2 4-	0.94	38	40.4 -fold increase	0.94	38	40.4 -fold increase	0.94	38	40.4 -fold increase
Dinitrophenol, 2,4-	0.2	2	10.0 -fold increase	0.2	2	10.0 -fold increase	0.2	2	10.0 -fold increase
Dinitrotoluene 2,4 & 2,6-	0.66	0.5	1.3 -fold decrease	0.66	0.5	1.3 -fold decrease	0.66	0.5	1.3 -fold decrease
Dioxane - 1,4	-	0.2	NEW CHEMICAL	-	1.8	NEW CHEMICAL	-	1.8	NEW CHEMICAL
Dioxin/Furan (TEQ)	0.00001	0.000013	1.3 -fold increase	0.001	0.000013	76.9 -fold decrease	0.001	0.000099	10.1 -fold decrease
Endosulfan	0.18	0.04	4.5 -fold decrease	0.18	0.04	4.5 -fold decrease	0.18	0.3	1.7 -fold increase
Endrin	0.05	0.04	1.3 -fold decrease	0.05	0.04	1.3 -fold decrease	0.05	0.04	1.3 -fold decrease
Ethylbenzene	0.28	1.1	3.9 -fold increase	0.28	1.1	3.9 -fold increase	0.28	1.1	3.9 -fold increase
Ethylene dibromide	0.0056	0.05	8.9 -fold increase	0.0056	0.05	8.9 -fold increase	0.0056	0.05	8.9 -fold increase
Fluoranthene	40	0.69	58.0 -fold decrease	40	0.69	58.0 -fold decrease	40	9.6	4.2 -fold decrease
Fluorene	340	62	5.5 -fold decrease	340	62	5.5 -fold decrease	340	62	5.5 -fold decrease
Heptachlor	0.084	0.15	1.8 -fold increase	0.084	0.15	1.8 -fold increase	0.084	0.19	2.3 -fold increase
Heptachlor Epoxide	0.06	0.05	1.2 -fold decrease	0.06	0.05	1.2 -fold decrease	0.09	0.05	1.8 -fold decrease
Hexachlorobenzene	0.46	0.52	1.1 -fold increase	0.46	0.52	1.1 -fold increase	0.76	0.66	1.2 -fold decrease
Hexachlorobutadiene	0.38	0.012	31.7 -fold decrease	0.38	0.012	31.7 -fold decrease	0.38	0.031	12.3 -fold decrease
Hexachlorocyclohexane Gamma-	0.41	0.056	7.3 -fold decrease	0.41	0.056	7.3 -fold decrease	0.49	0.056	8.8 -fold decrease
Hexachloroethane	3.8	0.089	42.7 -fold decrease	3.8	0.089	42.7 -fold decrease	3.8	0.21	18.1 -fold decrease
Hexane (n)	-	2.8	NEW CHEMICAL	-	2.8	NEW CHEMICAL	-	46	NEW CHEMICAL
Indeno[1 2 3-cd]pyrene	12	0.38	31.6 -fold decrease	12	0.38	31.6 -fold decrease	19	0.76	25.0 -fold decrease
Lead	200	45	4.4 -fold decrease	200	120	1.7 -fold decrease	1000	120	8.3 -fold decrease

Revisions to Ontario Regulation 153/04 Site Condition Standards (2004 *versus* 2009)

TABLE 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition

Contaminant	Soil Site Condition Standards (SCS) for Coarse Grained Soils µg/g								
	Agricultural or Other Property Use			Residential/ Parkland/Institutional Property Use			Industrial/ Commercial/Community Property Use		
	2004	2009	Change	2004	2009	Change	2004	2009	Change
Mercury	10	0.25	40.0 -fold decrease	10	0.27	37.0 -fold decrease	10	3.9	2.6 -fold decrease
Methoxychlor	4	0.13	30.8 -fold decrease	4	0.13	30.8 -fold decrease	4	1.6	2.5 -fold decrease
Methyl Ethyl Ketone	0.27	16	59.3 -fold increase	0.27	16	59.3 -fold increase	0.27	70	259.3 -fold increase
Methyl Isobutyl Ketone	0.48	1.7	3.5 -fold increase	0.48	1.7	3.5 -fold increase	0.48	31	64.6 -fold increase
Methyl Mercury	6.8	0.0084	809.5 -fold decrease	6.8	0.0084	809.5 -fold decrease	10	0.0084	1190.5 -fold decrease
Methyl tert-Butyl Ether (MTBE)	5.7	0.75	7.6 -fold decrease	5.7	0.75	7.6 -fold decrease	5.7	1.6	3.6 -fold decrease
Methylene Chloride	1.1	0.1	11.0 -fold decrease	1.1	0.1	11.0 -fold decrease	1.1	1.6	1.5 -fold increase
Methlynaphthalene, 2-(1-)	1.2	0.99	1.2 -fold decrease	1.2	0.99	1.2 -fold decrease	1.2	30	25.0 -fold increase
Molybdenum	5	6.9	1.4 -fold increase	40	6.9	5.8 -fold decrease	40	40	NO CHANGE
Naphthalene	4.6	0.6	7.7 -fold decrease	4.6	0.6	7.7 -fold decrease	4.6	9.6	2.1 -fold increase
Nickel	150	100	1.5 -fold decrease	150	100	1.5 -fold decrease	150	270	1.8 -fold increase
Pentachlorophenol	5	0.1	50.0 -fold decrease	5	0.1	50.0 -fold decrease	5	2.9	1.7 -fold decrease
Petroleum Hydrocarbons F1	30	55	1.8 -fold increase	30	55	1.8 -fold increase	30	55	1.8 -fold increase
Aliphatic C6-C8	-	39	NEW CHEMICAL	-	39	NEW CHEMICAL	-	39	NEW CHEMICAL
C>8-C10	-	76	NEW CHEMICAL	-	76	NEW CHEMICAL	-	230	NEW CHEMICAL
Aromatic C>8-C10	-	39	NEW CHEMICAL	-	39	NEW CHEMICAL	-	39	NEW CHEMICAL
Petroleum Hydrocarbons F2	150	98	1.5 -fold decrease	100	98	1.0 -fold decrease	150	230	1.5 -fold increase
Aliphatic C>10-C12	-	390	NEW CHEMICAL	-	390	NEW CHEMICAL	-	450	NEW CHEMICAL
C>12-C16	-	160	NEW CHEMICAL	-	160	NEW CHEMICAL	-	440	NEW CHEMICAL
Aromatic C>10-C12	-	22	NEW CHEMICAL	-	22	NEW CHEMICAL	-	42	NEW CHEMICAL
C>12-C16	-	44	NEW CHEMICAL	-	44	NEW CHEMICAL	-	49	NEW CHEMICAL
Petroleum Hydrocarbons F3	400	300	1.3 -fold decrease	400	300	1.3 -fold decrease	1700	1700	NO CHANGE
Aliphatic C>16-C21	-	6700	NEW CHEMICAL	-	6700	NEW CHEMICAL	-	6700	NEW CHEMICAL
C>21-C34	-	6900	NEW CHEMICAL	-	6900	NEW CHEMICAL	-	6900	NEW CHEMICAL
Aromatic C>16-C21	-	1200	NEW CHEMICAL	-	1200	NEW CHEMICAL	-	2900	NEW CHEMICAL
C>21-C34	-	1200	NEW CHEMICAL	-	1200	NEW CHEMICAL	-	7900	NEW CHEMICAL
Petroleum Hydrocarbons F4	2800	2800	NO CHANGE	2800	2800	NO CHANGE	3300	3300	NO CHANGE
Aliphatic C>34	-	6900	NEW CHEMICAL	-	6900	NEW CHEMICAL	-	6900	NEW CHEMICAL
Aromatic C>34	-	1200	NEW CHEMICAL	-	1200	NEW CHEMICAL	-	6900	NEW CHEMICAL
Phenanthrene	40	6.2	6.5 -fold decrease	40	6.2	6.5 -fold decrease	40	12	3.3 -fold decrease
Phenol	40	9.4	4.3 -fold decrease	40	9.4	4.3 -fold decrease	40	9.4	4.3 -fold decrease
Polychlorinated Biphenyls	0.5	0.35	1.4 -fold decrease	5	0.35	14.3 -fold decrease	25	1.1	22.7 -fold decrease
Pyrene	250	78	3.2 -fold decrease	250	78	3.2 -fold decrease	250	96	2.6 -fold decrease
Selenium	2	2.4	1.2 -fold increase	10	2.4	4.2 -fold decrease	10	5.5	1.8 -fold decrease
Silver	20	20	NO CHANGE	20	20	NO CHANGE	40	40	NO CHANGE
Styrene	1.2	0.7	1.7 -fold decrease	1.2	0.7	1.7 -fold decrease	1.2	34	28.3 -fold increase
Tetrachloroethane 1 1 1 2-	0.019	0.058	3.1 -fold increase	0.019	0.058	3.1 -fold increase	0.019	0.087	4.6 -fold increase
Tetrachloroethane 1 1 2 2-	0.01	0.05	5.0 -fold increase	0.01	0.05	5.0 -fold increase	0.01	0.05	5.0 -fold increase
Tetrachloroethylene	0.45	0.28	1.6 -fold decrease	0.45	0.28	1.6 -fold decrease	0.45	1.9	4.2 -fold increase

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Contaminant	Soil Site Condition Standards (SCS) for Coarse Grained Soils µg/g								
	Agricultural or Other Property Use			Residential/ Parkland/Institutional Property Use			Industrial/ Commercial/Community Property Use		
	2004	2009	Change	2004	2009	Change	2004	2009	Change
Thallium	4.1	1	4.1 -fold decrease	4.1	1	4.1 -fold decrease	32	3.3	9.7 -fold decrease
Toluene	2.1	2.3	1.1 -fold increase	2.1	2.3	1.1 -fold increase	2.1	6.4	3.0 -fold increase
Trichlorobenzene 1 2 4-	30	0.36	83.3 -fold decrease	30	0.36	83.3 -fold decrease	30	3.2	9.4 -fold decrease
Trichloroethane 1 1 1-	26	0.38	68.4 -fold decrease	26	0.38	68.4 -fold decrease	26	6.1	4.3 -fold decrease
Trichloroethane 1 1 2-	0.28	0.05	5.6 -fold decrease	0.28	0.05	5.6 -fold decrease	0.28	0.05	5.6 -fold decrease
Trichloroethylene	1.1	0.061	18.0 -fold decrease	1.1	0.061	18.0 -fold decrease	1.1	0.55	2.0 -fold decrease
Trichlorofluoromethane	-	4	NEW CHEMICAL	NV	4	NEW CHEMICAL	NV	4	NEW CHEMICAL
Trichlorophenol 2 4 5-	3.2	4.4	1.4 -fold increase	3.2	4.4	1.4 -fold increase	3.2	9.1	2.8 -fold increase
Trichlorophenol 2 4 6-	0.66	2.1	3.2 -fold increase	0.66	2.1	3.2 -fold increase	0.66	2.1	3.2 -fold increase
Uranium	-	23	NEW CHEMICAL	-	23	NEW CHEMICAL	-	33	NEW CHEMICAL
Vanadium	200	86	2.3 -fold decrease	200	86	2.3 -fold decrease	200	86	2.3 -fold decrease
Vinyl Chloride	0.003	0.02	6.7 -fold increase	0.003	0.02	6.7 -fold increase	0.003	0.032	10.7 -fold increase
Xylene Mixture	25	3.1	8.1 -fold decrease	25	3.1	8.1 -fold decrease	25	26	1.0 -fold increase
Zinc	600	340	1.8 -fold decrease	600	340	1.8 -fold decrease	600	340	1.8 -fold decrease
Electrical Conductivity (mS/cm)	0.7	0.7	NO CHANGE	0.7	0.7	NO CHANGE	1.4	1.4	NO CHANGE
Chloride	NV	NA	CHEMICAL REMOVED	NV	NA	CHEMICAL REMOVED	NV	NA	CHEMICAL REMOVED
Sodium Adsorption Ratio	5	5	NO CHANGE	5	5	NO CHANGE	12	12	NO CHANGE
Sodium	NV	NA	CHEMICAL REMOVED	NV	NA	CHEMICAL REMOVED	NV	NA	CHEMICAL REMOVED

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TABLE 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition

Contaminant	Potable Ground Water SCS µg/L			Sediment SCS µg/g		
	All Types of Property Use			All Types of Property Use		
	2004	2009	Change	2004	2009	Change
Acenaphthene	20	4.1	4.9 -fold decrease	NV	NV	NO CHANGE
Acenaphthylene	310	1	310.0 -fold decrease	NV	NV	NO CHANGE
Acetone	3000	2700	1.1 -fold decrease	NV	NV	NO CHANGE
Aldrin	0.01	0.35	35.0 -fold increase	0.002	0.002	NO CHANGE
Anthracene	12	2.4	5.0 -fold decrease	0.22	0.22	NO CHANGE
Antimony	6	6	NO CHANGE	NV	NV	NO CHANGE
Arsenic	25	25	NO CHANGE	6	6	NO CHANGE
Barium	1000	1000	NO CHANGE	NV	NV	NO CHANGE
Benzene	5	5	NO CHANGE	NV	NV	NO CHANGE
Benz[a]anthracene	0.2	1	5.0 -fold increase	0.32	0.32	NO CHANGE
Benzo[a]pyrene	0.01	0.01	NO CHANGE	0.37	0.37	NO CHANGE
Benzo[b]fluoranthene	0.2	0.1	2.0 -fold decrease	NV	NV	NO CHANGE
Benzo[ghi]perylene	0.2	0.2	NO CHANGE	0.17	0.17	NO CHANGE
Benzo[k]fluoranthene	0.2	0.1	2.0 -fold decrease	0.24	0.24	NO CHANGE
Beryllium	4	4	NO CHANGE	NV	NV	NO CHANGE
Biphenyl 11'-	350	0.5	700.0 -fold decrease	NV	NV	NO CHANGE
Bis(2-chloroethyl)ether	4.4	5	1.1 -fold increase	NV	NV	NO CHANGE
Bis(2-chloroisopropyl)ether	2.2	120	54.5 -fold increase	NV	NV	NO CHANGE
Bis(2-ethylhexyl)phthalate	6	10	1.7 -fold increase	NV	NV	NO CHANGE
Boron (Hot Water Soluble)	5000	NA	CHEMICAL REMOVED	NV	NV	NO CHANGE
Boron (total)	-	5000	NEW CHEMICAL	-	NV	NEW CHEMICAL
Bromodichloromethane	5	16	3.2 -fold increase	NV	NV	NO CHANGE
Bromoform	5	25	5.0 -fold increase	NV	NV	NO CHANGE
Bromomethane	3.7	0.89	4.2 -fold decrease	NV	NV	NO CHANGE
Cadmium	5	2.7	1.9 -fold decrease	0.6	0.6	NO CHANGE
Carbon Tetrachloride	5	0.79	6.3 -fold decrease	NV	NV	NO CHANGE
Chlordane	0.04	7	175.0 -fold increase	0.007	0.007	NO CHANGE
Chloroaniline p-	28	10	2.8 -fold decrease	NV	NV	NO CHANGE
Chlorobenzene	30	30	NO CHANGE	NV	NV	NO CHANGE
Chloroform	5	2.4	2.1 -fold decrease	NV	NV	NO CHANGE
Chlorophenol 2-	0.3	8.9	29.7 -fold increase	NV	NV	NO CHANGE
Chromium Total	50	50	NO CHANGE	26	26	NO CHANGE
Chromium VI	50	25	2.0 -fold decrease	NV	NV	NO CHANGE
Chrysene	0.5	0.1	5.0 -fold decrease	0.34	0.34	NO CHANGE
Cobalt	100	3.8	26.3 -fold decrease	50	50	NO CHANGE
Copper	23	87	3.8 -fold increase	16	16	NO CHANGE
Cyanide (CN-)	52	66	1.3 -fold increase	0.1	0.1	NO CHANGE
Dibenz[a h]anthracene	0.2	0.2	NO CHANGE	0.06	0.06	NO CHANGE
Dibromochloromethane	5	25	5.0 -fold increase	NV	NV	NO CHANGE

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Contaminant	Potable Ground Water SCS µg/L			Sediment SCS µg/g		
	All Types of Property Use			All Types of Property Use		
	2004	2009	Change	2004	2009	Change
Dichlorobenzene 1 2-	3	3	NO CHANGE	NV	NV	NO CHANGE
Dichlorobenzene 1 3-	630	59	10.7 -fold decrease	NV	NV	NO CHANGE
Dichlorobenzene 1 4-	1	1	NO CHANGE	NV	NV	NO CHANGE
Dichlorobenzidine 3 3'-	83	0.5	166.0 -fold decrease	NV	NV	NO CHANGE
Dichlorodifluoromethane	-	590	NEW CHEMICAL	-	NV	NEW CHEMICAL
DDD	6	10	1.7 -fold increase	0.008	0.008	NO CHANGE
DDE	20	10	2.0 -fold decrease	0.005	0.005	NO CHANGE
DDT	0.05	2.8	56.0 -fold increase	0.007	0.007	NO CHANGE
Dichloroethane 1 1-	70	5	14.0 -fold decrease	NV	NV	NO CHANGE
Dichloroethane 1 2-	5	1.6	3.1 -fold decrease	NV	NV	NO CHANGE
Dichloroethylene 1 1-	0.66	1.6	2.4 -fold increase	NV	NV	NO CHANGE
Dichloroethylene 1 2-cis-	70	1.6	43.8 -fold decrease	NV	NV	NO CHANGE
Dichloroethylene 1 2-trans-	100	1.6	62.5 -fold decrease	NV	NV	NO CHANGE
Dichlorophenol 2 4-	0.3	20	66.7 -fold increase	NV	NV	NO CHANGE
Dichloropropane 1 2-	5	5	NO CHANGE	NV	NV	NO CHANGE
Dichloropropene 1 3-	1.4	0.5	2.8 -fold decrease	NV	NV	NO CHANGE
Dieldrin	0.02	0.35	17.5 -fold increase	0.002	0.002	NO CHANGE
Diethyl Phthalate	30	38	1.3 -fold increase	NV	NV	NO CHANGE
Dimethylphthalate	30	38	1.3 -fold increase	NV	NV	NO CHANGE
Dimethylphenol 2 4-	140	59	2.4 -fold decrease	NV	NV	NO CHANGE
Dinitrophenol, 2,4-	42	10	4.2 -fold decrease	NV	NV	NO CHANGE
Dinitrotoluene 2,4 & 2,6-	0.5	5	10.0 -fold increase	NV	NV	NO CHANGE
Dioxane - 1,4	-	50	NEW CHEMICAL	-	NV	NEW CHEMICAL
Dioxin/Furan (TEQ)	0.000015	0.000015	NO CHANGE	NV	NV	NO CHANGE
Endosulfan	0.35	1.5	4.3 -fold increase	NV	NV	NO CHANGE
Endrin	0.05	0.48	9.6 -fold increase	0.003	0.003	NO CHANGE
Ethylbenzene	2.4	2.4	NO CHANGE	NV	NV	NO CHANGE
Ethylene dibromide	1	0.2	5.0 -fold decrease	NV	NV	NO CHANGE
Fluoranthene	130	0.41	317.1 -fold decrease	0.75	0.75	NO CHANGE
Fluorene	280	120	2.3 -fold decrease	0.19	0.19	NO CHANGE
Heptachlor	0.04	1.5	37.5 -fold increase	NV	NV	NO CHANGE
Heptachlor Epoxide	3	0.048	62.5 -fold decrease	0.005	0.005	NO CHANGE
Hexachlorobenzene	0.62	1	1.6 -fold increase	0.02	0.02	NO CHANGE
Hexachlorobutadiene	0.45	0.44	1.0 -fold decrease	NV	NV	NO CHANGE
Hexachlorocyclohexane Gamma-	0.8	1.2	1.5 -fold increase	NV	NV	NO CHANGE
Hexachloroethane	2.5	2.1	1.2 -fold decrease	NV	NV	NO CHANGE
Hexane (n)	-	51	NEW CHEMICAL	-	NV	NEW CHEMICAL
Indeno[1 2 3-cd]pyrene	0.2	0.2	NO CHANGE	0.2	0.2	NO CHANGE
Lead	10	10	NO CHANGE	31	31	NO CHANGE

Revisions to Ontario Regulation 153/04 Site Condition Standards (2004 *versus* 2009)

TABLE 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition

Contaminant	Potable Ground Water SCS µg/L			Sediment SCS µg/g		
	All Types of Property Use			All Types of Property Use		
	2004	2009	Change	2004	2009	Change
Mercury	0.12	0.29	2.4 -fold increase	0.2	0.2	NO CHANGE
Methoxychlor	0.3	6.5	21.7 -fold increase	NV	NV	NO CHANGE
Methyl Ethyl Ketone	350	1800	5.1 -fold increase	NV	NV	NO CHANGE
Methyl Isobutyl Ketone	350	640	1.8 -fold increase	NV	NV	NO CHANGE
Methyl Mercury	0.12	0.15	1.3 -fold increase	NV	NV	NO CHANGE
Methyl tert-Butyl Ether (MTBE)	700	15	46.7 -fold decrease	NV	NV	NO CHANGE
Methylene Chloride	50	50	NO CHANGE	NV	NV	NO CHANGE
Methlynaphthalene, 2-(1-)	10	3.2	3.1 -fold decrease	NV	NV	NO CHANGE
Molybdenum	7300	70	104.3 -fold decrease	NV	NV	NO CHANGE
Naphthalene	21	11	1.9 -fold decrease	NV	NV	NO CHANGE
Nickel	100	100	NO CHANGE	16	16	NO CHANGE
Pentachlorophenol	30	30	NO CHANGE	NV	NV	NO CHANGE
Petroleum Hydrocarbons F1	1000	750	1.3 -fold decrease	NV	NV	NO CHANGE
Aliphatic C6-C8	-	590	NEW CHEMICAL	-	NV	NEW CHEMICAL
C>8-C10	-	130	NEW CHEMICAL	-	NV	NEW CHEMICAL
Aromatic C>8-C10	-	300	NEW CHEMICAL	-	NV	NEW CHEMICAL
Petroleum Hydrocarbons F2	1000	150	6.7 -fold decrease	NV	NV	NO CHANGE
Aliphatic C>10-C12	-	17	NEW CHEMICAL	-	NV	NEW CHEMICAL
C>12-C16	-	0.38	NEW CHEMICAL	-	NV	NEW CHEMICAL
Aromatic C>10-C12	-	300	NEW CHEMICAL	-	NV	NEW CHEMICAL
C>12-C16	-	300	NEW CHEMICAL	-	NV	NEW CHEMICAL
Petroleum Hydrocarbons F3	1000	500	2.0 -fold decrease	NV	NV	NO CHANGE
Aliphatic C>16-C21	-	0.0013	NEW CHEMICAL	-	NV	NEW CHEMICAL
C>21-C34	-	1.2E-08	NEW CHEMICAL	-	NV	NEW CHEMICAL
Aromatic C>16-C21	-	220	NEW CHEMICAL	-	NV	NEW CHEMICAL
C>21-C34	-	3.3	NEW CHEMICAL	-	NV	NEW CHEMICAL
Petroleum Hydrocarbons F4	1000	500	2.0 -fold decrease	NV	NV	NO CHANGE
Aliphatic C>34	-	3.2E-12	NEW CHEMICAL	-	NV	NEW CHEMICAL
Aromatic C>34	-	0.18	NEW CHEMICAL	-	NV	NEW CHEMICAL
Phenanthrene	63	1	63.0 -fold decrease	0.56	0.56	NO CHANGE
Phenol	4200	890	4.7 -fold decrease	NV	NV	NO CHANGE
Polychlorinated Biphenyls	0.2	3	15.0 -fold increase	0.07	0.07	NO CHANGE
Pyrene	40	4.1	9.8 -fold decrease	0.49	0.49	NO CHANGE
Selenium	10	10	NO CHANGE	NV	NV	NO CHANGE
Silver	1.2	1.5	1.3 -fold increase	0.5	0.5	NO CHANGE
Styrene	100	5.4	18.5 -fold decrease	NV	NV	NO CHANGE
Tetrachloroethane 1 1 1 2-	5	1.1	4.5 -fold decrease	NV	NV	NO CHANGE
Tetrachloroethane 1 1 2 2-	1	1	NO CHANGE	NV	NV	NO CHANGE
Tetrachloroethylene	5	1.6	3.1 -fold decrease	NV	NV	NO CHANGE

TABLE 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition

Contaminant	Potable Ground Water SCS µg/L			Sediment SCS µg/g		
	All Types of Property Use			All Types of Property Use		
	2004	2009	Change	2004	2009	Change
Thallium	2	2	NO CHANGE	NV	NV	NO CHANGE
Toluene	24	24	NO CHANGE	NV	NV	NO CHANGE
Trichlorobenzene 1 2 4-	70	70	NO CHANGE	NV	NV	NO CHANGE
Trichloroethane 1 1 1-	200	200	NO CHANGE	NV	NV	NO CHANGE
Trichloroethane 1 1 2-	5	4.7	1.1 -fold decrease	NV	NV	NO CHANGE
Trichloroethylene	50	1.6	31.3 -fold decrease	NV	NV	NO CHANGE
Trichlorofluoromethane	NV	150	NEW CHEMICAL	-	NV	NEW CHEMICAL
Trichlorophenol 2 4 5-	200	8.9	22.5 -fold decrease	NV	NV	NO CHANGE
Trichlorophenol 2 4 6-	2	2	NO CHANGE	NV	NV	NO CHANGE
Uranium	-	20	NEW CHEMICAL	-	NV	NEW CHEMICAL
Vanadium	200	6.2	32.3 -fold decrease	NV	NV	NO CHANGE
Vinyl Chloride	0.5	0.5	NO CHANGE	NV	NV	NO CHANGE
Xylene Mixture	300	300	NO CHANGE	NV	NV	NO CHANGE
Zinc	1100	1100	NO CHANGE	120	120	NO CHANGE
Electrical Conductivity (mS/cm)	NA	NA	NO CHANGE	NA	NA	NO CHANGE
Chloride	250000	790000	3.2 -fold increase	NV	NV	NO CHANGE
Sodium Adsorption Ratio	NA	NA	NO CHANGE	NA	NA	NO CHANGE
Sodium	200000	490000	2.5 -fold increase	NV	NV	NO CHANGE