

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



TABLE 3: Full Depth Generic Site Condition Standards in a Non-Potable Ground Water Condition

Contaminant	Soil Site Condition Standards (SCS) for Coarse Grained Soils µg/g						Non-Potable Ground Water SCS µg/L		
	Residential/ Parkland/Institutional Property Use			Industrial/ Commercial/Community Property Use			All Types of Property Use		
	2004	2009	Change	2004	2009	Change	2004	2009	Change
Acenaphthene	1000	7.9	126.6 -fold decrease	1300	96	13.5 -fold decrease	1700	600	2.8 -fold decrease
Acenaphthylene	100	0.15	666.7 -fold decrease	840	0.15	5600.0 -fold decrease	2000	1.8	1111.1 -fold decrease
Acetone	3.8	16	4.2 -fold increase	3.8	16	4.2 -fold increase	3300	130000	39.4 -fold increase
Aldrin	0.05	0.05	NO CHANGE	0.05	0.088	1.8 -fold increase	0.2	8.5	42.5 -fold increase
Anthracene	28	0.67	41.8 -fold decrease	28	0.67	41.8 -fold decrease	12	2.4	5.0 -fold decrease
Antimony	13	7.5	1.7 -fold decrease	40	40	NO CHANGE	16000	20000	1.3 -fold increase
Arsenic	20	18	1.1 -fold decrease	40	18	2.2 -fold decrease	480	1900	4.0 -fold increase
Barium	750	390	1.9 -fold decrease	1500	670	2.2 -fold decrease	23000	29000	1.3 -fold increase
Benzene	5.3	0.21	25.2 -fold decrease	5.3	0.32	16.6 -fold decrease	1900	44	43.2 -fold decrease
Benz[a]anthracene	40	0.5	80.0 -fold decrease	40	0.96	41.7 -fold decrease	5	4.7	1.1 -fold decrease
Benzo[a]pyrene	1.2	0.3	4.0 -fold decrease	1.9	0.3	6.3 -fold decrease	1.9	0.81	2.3 -fold decrease
Benzo[b]fluoranthene	12	0.78	15.4 -fold decrease	19	0.96	19.8 -fold decrease	7	0.75	9.3 -fold decrease
Benzo[ghi]perylene	40	6.6	6.1 -fold decrease	40	9.6	4.2 -fold decrease	0.2	0.2	NO CHANGE
Benzo[k]fluoranthene	12	0.78	15.4 -fold decrease	19	0.96	19.8 -fold decrease	0.4	0.4	NO CHANGE
Beryllium	1.2	4	3.3 -fold increase	1.2	8	6.7 -fold increase	53	67	1.3 -fold increase
Biphenyl 11'-	4.3	0.31	13.9 -fold decrease	4.3	52	12.1 -fold increase	1700	1000	1.7 -fold decrease
Bis(2-chloroethyl)ether	0.66	0.5	1.3 -fold decrease	0.66	0.5	1.3 -fold decrease	110	300000	2727.3 -fold increase
Bis(2-chloroisopropyl)ether	0.82	0.67	1.2 -fold decrease	0.82	11	13.4 -fold increase	430	20000	46.5 -fold increase
Bis(2-ethylhexyl)phthalate	130	5	26.0 -fold decrease	330	28	11.8 -fold decrease	30	140	4.7 -fold increase
Boron (Hot Water Soluble)	1.5	1.5	NO CHANGE	2	2	NO CHANGE	50000	NA	CHEMICAL REMOVED
Boron (total)	-	120	NEW CHEMICAL	-	120	NEW CHEMICAL	-	45000	NEW CHEMICAL
Bromodichloromethane	14	13	1.1 -fold decrease	25	18	1.4 -fold decrease	50000	85000	1.7 -fold increase
Bromoform	2.3	0.27	8.5 -fold decrease	2.3	0.61	3.8 -fold decrease	840	380	2.2 -fold decrease
Bromomethane	0.061	0.05	1.2 -fold decrease	0.061	0.05	1.2 -fold decrease	3.7	5.6	1.5 -fold increase
Cadmium	12	1.2	10.0 -fold decrease	12	1.9	6.3 -fold decrease	11	2.7	4.1 -fold decrease
Carbon Tetrachloride	0.1	0.05	2.0 -fold decrease	0.1	0.21	2.1 -fold increase	17	0.79	21.5 -fold decrease
Chlordane	0.29	0.05	5.8 -fold decrease	0.29	0.05	5.8 -fold decrease	0.04	28	700.0 -fold increase
Chloroaniline p-	1.3	0.5	2.6 -fold decrease	1.3	0.5	2.6 -fold decrease	100	400	4.0 -fold increase
Chlorobenzene	8	2.4	3.3 -fold decrease	8	2.4	3.3 -fold decrease	500	630	1.3 -fold increase
Chloroform	0.79	0.05	15.8 -fold decrease	0.79	0.47	1.7 -fold decrease	430	2.4	179.2 -fold decrease
Chlorophenol 2-	10	1.6	6.3 -fold decrease	10	3.1	3.2 -fold decrease	44000	3300	13.3 -fold decrease
Chromium Total	750	160	4.7 -fold decrease	750	160	4.7 -fold decrease	2000	810	2.5 -fold decrease
Chromium VI	8	8	NO CHANGE	8	8	NO CHANGE	110	140	1.3 -fold increase
Chrysene	12	7	1.7 -fold decrease	19	9.6	2.0 -fold decrease	3	1	3.0 -fold decrease
Cobalt	40	22	1.8 -fold decrease	80	80	NO CHANGE	100	66	1.5 -fold decrease
Copper	225	140	1.6 -fold decrease	225	230	1.0 -fold increase	23	87	3.8 -fold increase
Cyanide (CN-)	100	0.051	1960.8 -fold decrease	100	0.051	1960.8 -fold decrease	52	66	1.3 -fold increase
Dibenz[a h]anthracene	1.2	0.1	12.0 -fold decrease	1.9	0.1	19.0 -fold decrease	0.25	0.52	2.1 -fold increase
Dibromochloromethane	10	9.4	1.1 -fold decrease	18	13	1.4 -fold decrease	50000	82000	1.6 -fold increase

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Contaminant	Soil Site Condition Standards (SCS) for Coarse Grained Soils µg/g						Non-Potable Ground Water SCS µg/L		
	Residential/ Parkland/Institutional Property Use			Industrial/ Commercial/Community Property Use			All Types of Property Use		
	2004	2009	Change	2004	2009	Change	2004	2009	Change
Dichlorobenzene 1 2-	30	3.4	8.8 -fold decrease	30	6.8	4.4 -fold decrease	7600	4600	1.7 -fold decrease
Dichlorobenzene 1 3-	30	4.8	6.3 -fold decrease	30	9.6	3.1 -fold decrease	7600	9600	1.3 -fold increase
Dichlorobenzene 1 4-	30	0.083	361.4 -fold decrease	30	0.2	150.0 -fold decrease	7600	8	950.0 -fold decrease
Dichlorobenzidine 3 3'-	1.3	1	1.3 -fold decrease	1.3	1	1.3 -fold decrease	1600	640	2.5 -fold decrease
Dichlorodifluoromethane	-	16	NEW CHEMICAL	-	16	NEW CHEMICAL	-	4400	NEW CHEMICAL
DDD	2.2	3.3	1.5 -fold increase	3.5	4.6	1.3 -fold increase	6	45	7.5 -fold increase
DDE	1.6	0.26	6.2 -fold decrease	2.4	0.52	4.6 -fold decrease	20	20	NO CHANGE
DDT	1.6	1.4	1.1 -fold decrease	2	1.4	1.4 -fold decrease	0.05	2.8	56.0 -fold increase
Dichloroethane 1 1-	22	3.5	6.3 -fold decrease	22	17	1.3 -fold decrease	9000	320	28.1 -fold decrease
Dichloroethane 1 2-	0.022	0.05	2.3 -fold increase	0.022	0.05	2.3 -fold increase	17	1.6	10.6 -fold decrease
Dichloroethylene 1 1-	0.0024	0.05	20.8 -fold increase	0.0024	0.064	26.7 -fold increase	0.66	1.6	2.4 -fold increase
Dichloroethylene 1 2-cis-	2.3	3.4	1.5 -fold increase	2.3	55	23.9 -fold increase	70	1.6	43.8 -fold decrease
Dichloroethylene 1 2-trans-	4.1	0.084	48.8 -fold decrease	4.1	1.3	3.2 -fold decrease	100	1.6	62.5 -fold decrease
Dichlorophenol 2 4-	10	1.7	5.9 -fold decrease	10	3.4	2.9 -fold decrease	3700	4600	1.2 -fold increase
Dichloropropane 1 2-	0.019	0.05	2.6 -fold increase	0.019	0.16	8.4 -fold increase	9.3	16	1.7 -fold increase
Dichloropropene 1 3-	0.0066	0.05	7.6 -fold increase	0.0066	0.18	27.3 -fold increase	3.8	5.2	1.4 -fold increase
Dieldrin	0.05	0.05	NO CHANGE	0.05	0.088	1.8 -fold increase	0.02	0.75	37.5 -fold increase
Diethyl Phthalate	0.71	0.5	1.4 -fold decrease	0.71	0.5	1.4 -fold decrease	30	38	1.3 -fold increase
Dimethylphthalate	0.7	0.5	1.4 -fold decrease	0.7	0.5	1.4 -fold decrease	30	38	1.3 -fold increase
Dimethylphenol 2 4-	140	390	2.8 -fold increase	140	390	2.8 -fold increase	21000	39000	1.9 -fold increase
Dinitrophenol, 2,4-	4.1	38	9.3 -fold increase	4.1	59	14.4 -fold increase	1500	11000	7.3 -fold increase
Dinitrotoluene 2,4 & 2,6-	1.1	0.92	1.2 -fold decrease	1.8	1.2	1.5 -fold decrease	2300	2900	1.3 -fold increase
Dioxane - 1,4	-	1.8	NEW CHEMICAL	-	1.8	NEW CHEMICAL	-	1900000	NEW CHEMICAL
Dioxin/Furan (TEQ)	0.001	0.000013	76.9 -fold decrease	0.001	0.000099	10.1 -fold decrease	0.000015	0.014	933.3 -fold increase
Endosulfan	0.29	0.04	7.3 -fold decrease	0.29	0.3	1.0 -fold increase	0.56	1.5	2.7 -fold increase
Endrin	0.05	0.04	1.3 -fold decrease	0.05	0.04	1.3 -fold decrease	0.05	0.48	9.6 -fold increase
Ethylbenzene	290	2	145.0 -fold decrease	290	9.5	30.5 -fold decrease	28000	2300	12.2 -fold decrease
Ethylene dibromide	0.0056	0.05	8.9 -fold increase	0.0056	0.05	8.9 -fold increase	3.3	0.25	13.2 -fold decrease
Fluoranthene	40	0.69	58.0 -fold decrease	40	9.6	4.2 -fold decrease	130	130	NO CHANGE
Fluorene	350	62	5.6 -fold decrease	350	62	5.6 -fold decrease	290	400	1.4 -fold increase
Heptachlor	0.084	0.15	1.8 -fold increase	0.084	0.19	2.3 -fold increase	0.04	2.5	62.5 -fold increase
Heptachlor Epoxide	0.06	0.05	1.2 -fold decrease	0.09	0.05	1.8 -fold decrease	6	0.048	125.0 -fold decrease
Hexachlorobenzene	0.46	0.52	1.1 -fold increase	0.76	0.66	1.2 -fold decrease	0.62	3.1	5.0 -fold increase
Hexachlorobutadiene	0.38	0.012	31.7 -fold decrease	0.38	0.031	12.3 -fold decrease	0.87	0.44	2.0 -fold decrease
Hexachlorocyclohexane Gamma-	0.41	0.056	7.3 -fold decrease	0.49	0.056	8.8 -fold decrease	0.8	1.2	1.5 -fold increase
Hexachloroethane	3.8	0.089	42.7 -fold decrease	3.8	0.21	18.1 -fold decrease	12	94	7.8 -fold increase
Hexane (n)	-	2.8	NEW CHEMICAL	-	46	NEW CHEMICAL	-	51	NEW CHEMICAL
Indeno[1 2 3-cd]pyrene	12	0.38	31.6 -fold decrease	19	0.76	25.0 -fold decrease	0.27	0.2	1.4 -fold decrease
Lead	200	120	1.7 -fold decrease	1000	120	8.3 -fold decrease	32	25	1.3 -fold decrease

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	Residential/ Parkland/Institutional Property Use			Industrial/ Commercial/Community Property Use			All Types of Property Use		
	2004	2009	Change	2004	2009	Change	2004	2009	Change
Mercury	10	0.27	37.0 -fold decrease	10	3.9	2.6 -fold decrease	0.12	0.29	2.4 -fold increase
Methoxychlor	4	0.13	30.8 -fold decrease	4	1.6	2.5 -fold decrease	0.3	6.5	21.7 -fold increase
Methyl Ethyl Ketone	38	16	2.4 -fold decrease	38	70	1.8 -fold increase	50000	470000	9.4 -fold increase
Methyl Isobutyl Ketone	58	1.7	34.1 -fold decrease	58	31	1.9 -fold decrease	50000	140000	2.8 -fold increase
Methyl Mercury	6.8	0.0084	809.5 -fold decrease	10	0.0084	1190.5 -fold decrease	0.12	0.15	1.3 -fold increase
Methyl tert-Butyl Ether (MTBE)	100	0.75	133.3 -fold decrease	120	11	10.9 -fold decrease	50000	190	263.2 -fold decrease
Methylene Chloride	120	0.1	1200.0 -fold decrease	140	1.6	87.5 -fold decrease	50000	610	82.0 -fold decrease
Methylnaphthalene, 2-(1-)	280	0.99	282.8 -fold decrease	280	76	3.7 -fold decrease	13000	1800	7.2 -fold decrease
Molybdenum	40	6.9	5.8 -fold decrease	40	40	NO CHANGE	7300	9200	1.3 -fold increase
Naphthalene	40	0.6	66.7 -fold decrease	40	9.6	4.2 -fold decrease	5900	1400	4.2 -fold decrease
Nickel	150	100	1.5 -fold decrease	150	270	1.8 -fold increase	1600	490	3.3 -fold decrease
Pentachlorophenol	5	0.1	50.0 -fold decrease	5	2.9	1.7 -fold decrease	130	62	2.1 -fold decrease
Petroleum Hydrocarbons F1	30	55	1.8 -fold increase	230	55	4.2 -fold decrease	NV	750	NEW CHEMICAL
Aliphatic C6-C8	-	39	NEW CHEMICAL	-	39	NEW CHEMICAL	-	590	NEW CHEMICAL
C>8-C10	-	76	NEW CHEMICAL	-	230	NEW CHEMICAL	-	130	NEW CHEMICAL
Aromatic C>8-C10	-	39	NEW CHEMICAL	-	39	NEW CHEMICAL	-	1800	NEW CHEMICAL
Petroleum Hydrocarbons F2	150	98	1.5 -fold decrease	150	230	1.5 -fold increase	NV	150	NEW CHEMICAL
Aliphatic C>10-C12	-	390	NEW CHEMICAL	-	450	NEW CHEMICAL	-	17	NEW CHEMICAL
C>12-C16	-	160	NEW CHEMICAL	-	440	NEW CHEMICAL	-	0.38	NEW CHEMICAL
Aromatic C>10-C12	-	22	NEW CHEMICAL	-	42	NEW CHEMICAL	-	1200	NEW CHEMICAL
C>12-C16	-	44	NEW CHEMICAL	-	49	NEW CHEMICAL	-	700	NEW CHEMICAL
Petroleum Hydrocarbons F3	400	300	1.3 -fold decrease	1700	1700	NO CHANGE	NV	500	NEW CHEMICAL
Aliphatic C>16-C21	-	6700	NEW CHEMICAL	-	6700	NEW CHEMICAL	-	0.0013	NEW CHEMICAL
C>21-C34	-	6900	NEW CHEMICAL	-	6900	NEW CHEMICAL	-	1.2E-08	NEW CHEMICAL
Aromatic C>16-C21	-	1200	NEW CHEMICAL	-	3000	NEW CHEMICAL	-	220	NEW CHEMICAL
C>21-C34	-	1200	NEW CHEMICAL	-	7900	NEW CHEMICAL	-	3.3	NEW CHEMICAL
Petroleum Hydrocarbons F4	2800	2800	NO CHANGE	3300	3300	NO CHANGE	NV	500	NEW CHEMICAL
Aliphatic C>34	-	6900	NEW CHEMICAL	-	6900	NEW CHEMICAL	-	3.2E-12	NEW CHEMICAL
Aromatic C>34	-	1200	NEW CHEMICAL	-	6900	NEW CHEMICAL	-	0.18	NEW CHEMICAL
Phenanthrene	40	6.2	6.5 -fold decrease	40	12	3.3 -fold decrease	63	580	9.2 -fold increase
Phenol	40	9.4	4.3 -fold decrease	40	9.4	4.3 -fold decrease	26000	12000	2.2 -fold decrease
Polychlorinated Biphenyls	5	0.35	14.3 -fold decrease	25	1.1	22.7 -fold decrease	0.2	7.8	39.0 -fold increase
Pyrene	250	78	3.2 -fold decrease	250	96	2.6 -fold decrease	40	68	1.7 -fold increase
Selenium	10	2.4	4.2 -fold decrease	10	5.5	1.8 -fold decrease	50	63	1.3 -fold increase
Silver	20	20	NO CHANGE	40	40	NO CHANGE	1.2	1.5	1.3 -fold increase
Styrene	1.2	0.7	1.7 -fold decrease	1.2	34	28.3 -fold increase	940	1300	1.4 -fold increase
Tetrachloroethane 1 1 1 2-	0.019	0.058	3.1 -fold increase	0.019	0.087	4.6 -fold increase	6	3.4	1.8 -fold decrease
Tetrachloroethane 1 1 2 2-	0.037	0.05	1.4 -fold increase	0.037	0.05	1.4 -fold increase	22	3.2	6.9 -fold decrease
Tetrachloroethylene	0.45	0.28	1.6 -fold decrease	0.45	4.5	10.0 -fold increase	5	1.6	3.1 -fold decrease

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	Residential/ Parkland/Institutional Property Use			Industrial/ Commercial/Community Property Use			All Types of Property Use		
	2004	2009	Change	2004	2009	Change	2004	2009	Change
Thallium	4.1	1	4.1 -fold decrease	32	3.3	9.7 -fold decrease	400	510	1.3 -fold increase
Toluene	34	2.3	14.8 -fold decrease	34	68	2.0 -fold increase	5900	18000	3.1 -fold increase
Trichlorobenzene 1 2 4-	30	0.36	83.3 -fold decrease	30	3.2	9.4 -fold decrease	500	180	2.8 -fold decrease
Trichloroethane 1 1 1-	26	0.38	68.4 -fold decrease	26	6.1	4.3 -fold decrease	200	640	3.2 -fold increase
Trichloroethane 1 1 2-	2.3	0.05	46.0 -fold decrease	3.1	0.05	62.0 -fold decrease	16000	4.7	3404.3 -fold decrease
Trichloroethylene	1.1	0.061	18.0 -fold decrease	1.1	0.91	1.2 -fold decrease	50	1.6	31.3 -fold decrease
Trichlorofluoromethane	NV	4	NEW CHEMICAL	NV	4	NEW CHEMICAL	NV	2500	NEW CHEMICAL
Trichlorophenol 2 4 5-	10	4.4	2.3 -fold decrease	10	10	NO CHANGE	630	1600	2.5 -fold increase
Trichlorophenol 2 4 6-	10	3.8	2.6 -fold decrease	10	3.8	2.6 -fold decrease	9700	230	42.2 -fold decrease
Uranium	-	23	NEW CHEMICAL	-	33	NEW CHEMICAL	-	420	NEW CHEMICAL
Vanadium	200	86	2.3 -fold decrease	200	86	2.3 -fold decrease	200	250	1.3 -fold increase
Vinyl Chloride	0.003	0.02	6.7 -fold increase	0.003	0.032	10.7 -fold increase	0.5	0.5	NO CHANGE
Xylene Mixture	34	3.1	11.0 -fold decrease	34	26	1.3 -fold decrease	5600	4200	1.3 -fold decrease
Zinc	600	340	1.8 -fold decrease	600	340	1.8 -fold decrease	1100	1100	NO CHANGE
Electrical Conductivity (mS/cm)	0.7	0.7	NO CHANGE	1.4	1.4	NO CHANGE	NA	NA	NO CHANGE
Chloride	NV	NA	CHEMICAL REMOVED	NV	NA	CHEMICAL REMOVED	NV	2300000	NEW CHEMICAL
Sodium Adsorption Ratio	5	5	NO CHANGE	12	12	NO CHANGE	NA	NA	NO CHANGE
Sodium	NV	NA	CHEMICAL REMOVED	NV	NA	CHEMICAL REMOVED	NV	490000	NEW CHEMICAL

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Contaminant	Sediment SCS µg/g		
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	2004	2009	Change
Acenaphthene	NV	NV	NO CHANGE
Acenaphthylene	NV	NV	NO CHANGE
Acetone	NV	NV	NO CHANGE
Aldrin	0.002	0.002	NO CHANGE
Anthracene	0.22	0.22	NO CHANGE
Antimony	NV	NV	NO CHANGE
Arsenic	6	6	NO CHANGE
Barium	NV	NV	NO CHANGE
Benzene	NV	NV	NO CHANGE
Benz[a]anthracene	0.32	0.32	NO CHANGE
Benzo[a]pyrene	0.37	0.37	NO CHANGE
Benzo[b]fluoranthene	NV	NV	NO CHANGE
Benzo[ghi]perylene	0.17	0.17	NO CHANGE
Benzo[k]fluoranthene	0.24	0.24	NO CHANGE
Beryllium	NV	NV	NO CHANGE
Biphenyl 11'-	NV	NV	NO CHANGE
Bis(2-chloroethyl)ether	NV	NV	NO CHANGE
Bis(2-chloroisopropyl)ether	NV	NV	NO CHANGE
Bis(2-ethylhexyl)phthalate	NV	NV	NO CHANGE
Boron (Hot Water Soluble)	NV	NV	NO CHANGE
Boron (total)	-	NV	NEW CHEMICAL
Bromodichloromethane	NV	NV	NO CHANGE
Bromoform	NV	NV	NO CHANGE
Bromomethane	NV	NV	NO CHANGE
Cadmium	0.6	0.6	NO CHANGE
Carbon Tetrachloride	NV	NV	NO CHANGE
Chlordane	0.007	0.007	NO CHANGE
Chloroaniline p-	NV	NV	NO CHANGE
Chlorobenzene	NV	NV	NO CHANGE
Chloroform	NV	NV	NO CHANGE
Chlorophenol 2-	NV	NV	NO CHANGE
Chromium Total	26	26	NO CHANGE
Chromium VI	NV	NV	NO CHANGE
Chrysene	0.34	0.34	NO CHANGE
Cobalt	50	50	NO CHANGE
Copper	16	16	NO CHANGE
Cyanide (CN-)	0.1	0.1	NO CHANGE
Dibenz[a h]anthracene	0.06	0.06	NO CHANGE
Dibromochloromethane	NV	NV	NO CHANGE

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Dichlorobenzene 1 2-	NV	NV	NO CHANGE
Dichlorobenzene 1 3-	NV	NV	NO CHANGE
Dichlorobenzene 1 4-	NV	NV	NO CHANGE
Dichlorobenzidine 3 3'-	NV	NV	NO CHANGE
Dichlorodifluoromethane	-	NV	NEW CHEMICAL
DDD	0.08	0.008	10.0 -fold decrease
DDE	0.005	0.005	NO CHANGE
DDT	0.007	0.007	NO CHANGE
Dichloroethane 1 1-	NV	NV	NO CHANGE
Dichloroethane 1 2-	NV	NV	NO CHANGE
Dichloroethylene 1 1-	NV	NV	NO CHANGE
Dichloroethylene 1 2-cis-	NV	NV	NO CHANGE
Dichloroethylene 1 2-trans-	NV	NV	NO CHANGE
Dichlorophenol 2 4-	NV	NV	NO CHANGE
Dichloropropane 1 2-	NV	NV	NO CHANGE
Dichloropropene 1 3-	NV	NV	NO CHANGE
Dieldrin	0.002	0.002	NO CHANGE
Diethyl Phthalate	NV	NV	NO CHANGE
Dimethylphthalate	NV	NV	NO CHANGE
Dimethylphenol 2 4-	NV	NV	NO CHANGE
Dinitrophenol, 2,4-	NV	NV	NO CHANGE
Dinitrotoluene 2,4 & 2,6-	NV	NV	NO CHANGE
Dioxane - 1,4	-	NV	NEW CHEMICAL
Dioxin/Furan (TEQ)	NV	NV	NO CHANGE
Endosulfan	NV	NV	NO CHANGE
Endrin	0.003	0.003	NO CHANGE
Ethylbenzene	NV	NV	NO CHANGE
Ethylene dibromide	NV	NV	NO CHANGE
Fluoranthene	0.75	0.75	NO CHANGE
Fluorene	0.19	0.19	NO CHANGE
Heptachlor	NV	NV	NO CHANGE
Heptachlor Epoxide	0.005	0.005	NO CHANGE
Hexachlorobenzene	0.02	0.02	NO CHANGE
Hexachlorobutadiene	NV	NV	NO CHANGE
Hexachlorocyclohexane Gamma-	NV	NV	NO CHANGE
Hexachloroethane	NV	NV	NO CHANGE
Hexane (n)	-	NV	NEW CHEMICAL
Indeno[1 2 3-cd]pyrene	0.2	0.2	NO CHANGE
Lead	31	31	NO CHANGE

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Contaminant	Sediment SCS µg/g		
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	2004	2009	Change
Mercury	0.2	0.2	NO CHANGE
Methoxychlor	NV	NV	NO CHANGE
Methyl Ethyl Ketone	NV	NV	NO CHANGE
Methyl Isobutyl Ketone	NV	NV	NO CHANGE
Methyl Mercury	NV	NV	NO CHANGE
Methyl tert-Butyl Ether (MTBE)	NV	NV	NO CHANGE
Methylene Chloride	NV	NV	NO CHANGE
Methylnaphthalene, 2-(1-)	NV	NV	NO CHANGE
Molybdenum	NV	NV	NO CHANGE
Naphthalene	NV	NV	NO CHANGE
Nickel	16	16	NO CHANGE
Pentachlorophenol	NV	NV	NO CHANGE
Petroleum Hydrocarbons F1	NV	NV	NO CHANGE
<i>Aliphatic C6-C8</i>	-	NV	NEW CHEMICAL
<i>C>8-C10</i>	-	NV	NEW CHEMICAL
<i>Aromatic C>8-C10</i>	-	NV	NEW CHEMICAL
Petroleum Hydrocarbons F2	NV	NV	NO CHANGE
<i>Aliphatic C>10-C12</i>	-	NV	NEW CHEMICAL
<i>C>12-C16</i>	-	NV	NEW CHEMICAL
<i>Aromatic C>10-C12</i>	-	NV	NEW CHEMICAL
<i>C>12-C16</i>	-	NV	NEW CHEMICAL
Petroleum Hydrocarbons F3	NV	NV	NO CHANGE
<i>Aliphatic C>16-C21</i>	-	NV	NEW CHEMICAL
<i>C>21-C34</i>	-	NV	NEW CHEMICAL
<i>Aromatic C>16-C21</i>	-	NV	NEW CHEMICAL
<i>C>21-C34</i>	-	NV	NEW CHEMICAL
Petroleum Hydrocarbons F4	NV	NV	NO CHANGE
<i>Aliphatic C>34</i>	-	NV	NEW CHEMICAL
<i>Aromatic C>34</i>	-	NV	NEW CHEMICAL
Phenanthrene	0.56	0.56	NO CHANGE
Phenol	NV	NV	NO CHANGE
Polychlorinated Biphenyls	0.07	0.07	NO CHANGE
Pyrene	0.49	0.49	NO CHANGE
Selenium	NV	NV	NO CHANGE
Silver	0.5	0.5	NO CHANGE
Styrene	NV	NV	NO CHANGE
Tetrachloroethane 1 1 1 2-	NV	NV	NO CHANGE
Tetrachloroethane 1 1 2 2-	NV	NV	NO CHANGE
Tetrachloroethylene	NV	NV	NO CHANGE

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



TABLE 3: Full Depth Generic Site Condition Standards in a Non-Potable Ground Water Condition

Contaminant	Sediment SCS µg/g		
	All Types of Property Use		
	2004	2009	Change
Thallium	NV	NV	NO CHANGE
Toluene	NV	NV	NO CHANGE
Trichlorobenzene 1 2 4-	NV	NV	NO CHANGE
Trichloroethane 1 1 1-	NV	NV	NO CHANGE
Trichloroethane 1 1 2-	NV	NV	NO CHANGE
Trichloroethylene	NV	NV	NO CHANGE
Trichlorofluoromethane	-	NV	NEW CHEMICAL
Trichlorophenol 2 4 5-	NV	NV	NO CHANGE
Trichlorophenol 2 4 6-	NV	NV	NO CHANGE
Uranium	-	NV	NEW CHEMICAL
Vanadium	NV	NV	NO CHANGE
Vinyl Chloride	NV	NV	NO CHANGE
Xylene Mixture	NV	NV	NO CHANGE
Zinc	120	120	NO CHANGE
Electrical Conductivity (mS/cm)	NA	NA	NO CHANGE
Chloride	NV	NV	NO CHANGE
Sodium Adsorption Ratio	NA	NA	NO CHANGE
Sodium	NV	NV	NO CHANGE