

20.9.9.20 NMAC Groundwater Monitoring Parameter List

Effective Date August 2, 2007

Revised January 10, 2020 -

New constituent (added to 20.6.2.3103.A NMAC in December 2018)

Moved from Subsection B to A (added to 20.6.2.3103 NMAC in December 2018)

Revised GWPS and AML to match current MCL values/20.6.2.3103 standards

All testing undertaken after the effective date should be completed in accordance with this parameter list.

Subsection A (86 Parameters)

CAS #	Hazardous Constituent per 20.9.2.7.H(2) NMAC	Common Name	Alternate Name(s)	Listed in 20.6.2.3103.B & C	Toxic Pollutant Listed in 20.6.2.7	GWPS	PQL (to be established by permittee)	AML (see notes 5, 6, 7)	Units
Heavy metals (15)									
7440-36-0*	X	Antimony				0.006		0.003	mg/L
7440-38-2*	X	Arsenic				0.01		0.005	mg/L
7440-39-3*	X	Barium				2		1	mg/L
7440-41-7*	X	Beryllium				0.004		0.002	mg/L
7440-43-9*	X	Cadmium				0.005		0.0025	mg/L
7440-47-3*	X	Chromium (total)				0.05		0.025	mg/L
7440-48-4*	X	Cobalt		X		0.05		0.0375	mg/L
7440-50-8*	X	Copper		X		1.0		0.75	mg/L
7439-92-1*	X	Lead				0.015		0.0075	mg/L
7440-02-0*	X	Nickel		X		0.2		0.15	mg/L
7782-49-2*	X	Selenium				0.05		0.025	mg/L
7440-22-4*	X	Silver				0.05		0.025	mg/L
7440-28-0*	X	Thallium				0.002		0.001	mg/L
7440-62-2	X	Vanadium							mg/L
7440-66-6*	X	Zinc		X		10.0		7.5	mg/L
Other inorganic chemicals (13)									
7429-90-5*		Aluminum		X		5.0		3.75	mg/L
7440-42-8*		Boron		X		0.75		0.5625	mg/L
16887-00-6		Chloride		X		250.0		187.5	mg/L
57-12-5	X	Cyanide (as free cyanide)				0.2		0.1	mg/L
16984-48-8	X	Fluoride				1.6		0.8	mg/L
7439-89-6*		Iron		X		1.0		0.75	mg/L
7439-96-5*		Manganese		X		0.2		0.15	mg/L
7439-97-6*	X	Mercury (total)				0.002		0.001	mg/L
7439-98-7*		Molybdenum		X		1		0.75	mg/L
14797-55-8	X	Nitrate (NO ₃ as N)				10		5	mg/L
10102-44-0	X	Nitrite (NO ₂ as N)				1		0.5	mg/L
14808-79-8		Sulfate		X		600.0		450.0	mg/L
7440-61-1	X	Uranium				0.03		0.015	mg/L
Radioactivity (1)									
7440-14-4	X	Radium-226 and Radium-228 (combined)				5		2.5	pCi/L
Volatile organic compounds (VOC) (47)									
67-64-1	X	Acetone	2-Propanone						mg/L
107-13-1	X	Acrylonitrile	2-Propenenitrile		X				mg/L
71-43-2	X	Benzene			X	0.005		0.0025	mg/L
74-97-5	X	Bromochloromethane	Chlorobromomethane						mg/L
75-27-4	X	Bromodichloromethane	Dibromochloromethane		X				mg/L
75-25-2	X	Bromoform	Tribromomethane		X				mg/L
75-15-0	X	Carbon disulfide							mg/L
56-23-5	X	Carbon tetrachloride	Tetrachloromethane		X	0.005		0.0025	mg/L
108-90-7	X	Chlorobenzene	Monochlorobenzene		X	0.1		0.05	mg/L
75-00-3	X	Chloroethane	Ethyl chloride						mg/L
67-66-3	X	Chloroform	Trichloromethane		X	0.1		0.05	mg/L
124-48-1	X	Dibromochloromethane	Chlorodibromomethane						mg/L
95-50-1	X	o-Dichlorobenzene	1,2-Dichlorobenzene		X	0.6		0.3	mg/L

CAS #	Hazardous Constituent per 20.9.2.7.H(2) NMAC	Common Name	Alternate Name(s)	Listed in 20.6.2.3103.B & C	Toxic Pollutant Listed in 20.6.2.7	GWPS	PQL (to be established by permittee)	AML (see notes 5, 6, 7)	Units
106-46-7	X	p-Dichlorobenzene	1,4-Dichlorobenzene		X	0.075		0.0375	mg/L
110-57-6	X	trans-1,4-Dichloro-2-butene	1,4-Dichloro-(E)-2-butene						mg/L
75-34-3	X	1,1-Dichloroethane	Ethylidene chloride		X	0.025		0.0125	mg/L
107-06-2	X	1,2-Dichloroethane	Ethylene dichloride; EDC		X	0.005		0.0025	mg/L
75-35-4	X	1,1-Dichloroethylene	1,1-Dichloroethene; Vinylidene chloride; 1,1-DCE		X	0.007		0.0035	mg/L
156-59-2	X	cis-1,2-Dichloroethylene	cis-1,2-Dichloroethene; 1,2-Dichloro-(Z)-ethene		X	0.07		0.035	mg/L
156-60-5	X	trans-1,2-Dichloroethylene	trans-1,2-Dichloroethene; 1,2-Dichloro-(E)-ethene		X	0.1		0.05	mg/L
78-87-5	X	1,2-Dichloropropane	Propylene dichloride			0.005		0.0025	mg/L
10061-01-5	X	cis-1,3-Dichloropropene	1,3-Dichloro-(Z)-propene		X				mg/L
10061-02-6	X	trans-1,3-Dichloropropene	1,3-Dichloro-(E)-propene		X				mg/L
100-41-4	X	Ethylbenzene			X	0.7		0.35	mg/L
591-78-6	X	2-Hexanone	Methyl butyl ketone						mg/L
74-83-9	X	Methyl bromide	Bromomethane		X				mg/L
74-87-3	X	Methyl chloride	Chloromethane		X				mg/L
74-95-3	X	Methylene bromide	Dibromomethane						mg/L
75-09-2	X	Methylene chloride	Dichloromethane		X	0.005		0.0025	mg/L
78-93-3	X	Methyl ethyl ketone	MEK; 2-Butanone						mg/L
74-88-4	X	Methyl iodide	Iodomethane						mg/L
108-10-1	X	4-Methyl-2-pentanone	Methyl isobutyl ketone						mg/L
1634-04-4	X	Methyl tert-butyl ether	MTBE; 2-Methoxy-2-methylpropane	X	X	0.1		0.075	mg/L
100-42-5	X	Styrene	Ethenylbenzene			0.1		0.05	mg/L
630-20-6	X	1,1,1,2-Tetrachloroethane							mg/L
79-34-5	X	1,1,2,2-Tetrachloroethane			X	0.01		0.005	mg/L
127-18-4	X	Tetrachloroethylene	Tetrachloroethene; Perchloroethylene; 1,1,2,2-Tetrachloroethylene; PCE; Ethylene tetrachloride		X	0.005		0.0025	mg/L
108-88-3	X	Toluene	Methylbenzene		X	1		0.5	mg/L
120-82-1	X	1,2,4-Trichlorobenzene			X	0.07		0.035	mg/L
71-55-6	X	1,1,1-Trichloroethane	Methylchloroform		X	0.2		0.1	mg/L
79-00-5	X	1,1,2-Trichloroethane			X	0.005		0.0025	mg/L
79-01-6	X	Trichloroethylene	Trichloroethene; 1,1,2-Trichloroethylene; TCE		X	0.005		0.0025	mg/L
75-69-4	X	Trichlorofluoromethane	CFC-11		X				mg/L
96-18-4	X	1,2,3-Trichloropropane							mg/L
108-05-4	X	Vinyl acetate	Acetic acid ethenyl ester						mg/L
75-01-4	X	Vinyl Chloride	Chloroethene		X	0.002		0.001	mg/L
1330-20-7	X	Xylene (total) (see note 1)	Dimethylbenzene		X	0.62		0.31	mg/L
EDB & DBCP (2)									
106-93-4	X	1,2-Dibromoethane	Ethylene dibromide; EDB		X	0.00005		0.000025	mg/L
96-12-8	X	1,2-Dibromo-3-chloropropane	DBCP			0.0002		0.0001	mg/L
Semivolatile organic compounds (SVOC) (1)									
	X	Phenols (total)	Phenolics	X	X	0.005		0.00375	mg/L
Polycyclic Aromatic Hydrocarbons (PAH) (2)									
50-32-8	X	Benzo(a)pyrene			X	0.0002		0.0001	mg/L
See note 3	X	Napthalene plus monomethylnaphthalenes			X	0.03		0.015	mg/L
Polychlorinated Biphenyls (PCB) (1)									
1336-36-3	X	Polychlorinated biphenyls (see note 2)	PCB's; 1,1'-Biphenyl chloro derivatives		X	0.0005		0.00025	mg/L
Herbicides (2)									
1912-24-9	X	Atrazine	6-chloro-N-ethyl-N'-(1-methylethyl)-triazine-2,4-diamine; 2-chloro-4-ethylamino-6-isopropylamino-1,3,5-triazine		X	0.003		0.0015	mg/L
87-86-5	X	Pentachlorophenol			X	0.001		0.0005	mg/L
Physical parameters (2)									
		pH		X		Between 6 and 9		Between 6 and 9	Std. unit
		Total Dissolved Solids	TDS	X		1000.0		750.0	mg/L

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Subsection B (237 Parameters)

Heavy metals (15)									
7440-36-0*	X	Antimony					0.006	0.003	mg/L
7440-38-2*	X	Arsenic					0.01	0.005	mg/L
7440-39-3*	X	Barium					2	1	mg/L
7440-41-7*	X	Beryllium					0.004	0.002	mg/L
7440-43-9*	X	Cadmium					0.005	0.0025	mg/L
7440-47-3*	X	Chromium (total)					0.05	0.025	mg/L
7440-48-4*	X	Cobalt		X			0.05	0.0375	mg/L
7440-50-8*	X	Copper		X			1.0	0.75	mg/L
7439-92-1*	X	Lead					0.015	0.0075	mg/L
7440-02-0*	X	Nickel		X			0.2	0.15	mg/L
7782-49-2*	X	Selenium					0.05	0.025	mg/L
7440-22-4*	X	Silver					0.05	0.025	mg/L
7440-28-0*	X	Thallium					0.002	0.001	mg/L
7440-62-2	X	Vanadium							mg/L
7440-66-6*	X	Zinc		X			10.0	7.5	mg/L
Other inorganic chemicals (16)									
7429-90-5*		Aluminum		X			5.0	3.75	mg/L
7440-42-8*		Boron		X			0.75	0.5625	mg/L
16887-00-6		Chloride		X			250.0	187.5	mg/L
57-12-5	X	Cyanide (as free cyanide)					0.2	0.1	mg/L
16984-48-8	X	Fluoride					1.6	0.8	mg/L
7439-89-6*		Iron		X			1.0	0.75	mg/L
7439-96-5*		Manganese		X			0.2	0.15	mg/L
7439-97-6*	X	Mercury (total)					0.002	0.001	mg/L
7439-98-7*		Molybdenum		X			1	0.75	mg/L
14797-55-8	X	Nitrate (as N)					10	5	mg/L
10102-44-0	X	Nitrite (NO ₂ as N)					1	0.5	mg/L
14797-73-0	X	Perchlorate			X				mg/L
14808-79-8		Sulfate		X			600.0	450.0	mg/L
18496-25-8	X	Sulfide							mg/L
7440-31-5	X	Tin							mg/L
7440-61-1	X	Uranium					0.03	0.015	mg/L
Radioactivity (1)									
7440-14-4	X	Radium-226 and Radium-228 (combined)					5	2.5	pCi/L
Volatile organic compounds (VOC) (62)									
67-64-1	X	Acetone	2-Propanone						mg/L
75-05-8	X	Acetonitrile	Methyl cyanide						mg/L
107-02-8	X	Acrolein	2-Propenal		X				mg/L
107-13-1	X	Acrylonitrile	2-Propenenitrile		X				mg/L
107-05-1	X	Allyl chloride	3-Chloro-1-propene						mg/L
71-43-2	X	Benzene			X		0.005	0.0025	mg/L
542-88-1	X	Bis(chloromethyl) ether	Oxybis[chloromethane]; BCME		X				mg/L
74-97-5	X	Bromochloromethane	Chlorobromomethane						mg/L
75-27-4	X	Bromodichloromethane	Dibromochloromethane		X				mg/L
75-25-2	X	Bromoform	Tribromomethane		X				mg/L
75-15-0	X	Carbon disulfide							mg/L
56-23-5	X	Carbon tetrachloride	Tetrachloromethane		X		0.005	0.0025	mg/L
108-90-7	X	Chlorobenzene	Monochlorobenzene		X		0.1	0.05	mg/L
75-00-3	X	Chloroethane	Ethyl chloride						mg/L
67-66-3	X	Chloroform	Trichloromethane		X		0.1	0.05	mg/L
126-99-8	X	Chloroprene	2-Chloro-1,3-butadiene						mg/L
124-48-1	X	Dibromochloromethane	Chlorodibromomethane						mg/L
541-73-1	X	m-Dichlorobenzene	1,3-Dichlorobenzene		X				mg/L
95-50-1	X	o-Dichlorobenzene	1,2-Dichlorobenzene		X		0.6	0.3	mg/L
106-46-7	X	p-Dichlorobenzene	1,4-Dichlorobenzene		X		0.075	0.0375	mg/L
110-57-6	X	trans-1,4-Dichloro-2-butene	1,4-Dichloro-(E)-2-butene						mg/L
75-71-8	X	Dichlorodifluoromethane	CFC-12		X				mg/L

CAS #	Hazardous Constituent per 20.9.2.7.H(2) NMAC	Common Name	Alternate Name(s)	Listed in 20.6.2.3103.B & C	Toxic Pollutant Listed in 20.6.2.7	GWPS	PQL (to be established by permittee)	AML (see notes 5, 6, 7)	Units
75-34-3	X	1,1-Dichloroethane	Ethylidene chloride; 1,1-DCA		X	0.025		0.0125	mg/L
107-06-2	X	1,2-Dichloroethane	Ethylene dichloride; EDC		X	0.005		0.0025	mg/L
75-35-4	X	1,1-Dichloroethylene	1,1-Dichloroethene; Vinylidene chloride; 1,1-DCE		X	0.007		0.0035	mg/L
156-59-2	X	cis-1,2-Dichloroethylene	cis-1,2-Dichloroethene; 1,2-Dichloro-(Z)-ethene		X	0.07		0.035	mg/L
156-60-5	X	trans-1,2-Dichloroethylene	trans-1,2-Dichloroethene; 1,2-Dichloro-(E)-ethene		X	0.1		0.05	mg/L
78-87-5	X	1,2-Dichloropropane	Propylene dichloride			0.005		0.0025	mg/L
142-28-9	X	1,3-Dichloropropane	Trimethylene dichloride						mg/L
594-20-7	X	2,2-Dichloropropane	Isopropylidene chloride						mg/L
563-58-6	X	1,1-Dichloropropene	1,1-Dichloropropylene		X				mg/L
10061-01-5	X	cis-1,3-Dichloropropene	1,3-Dichloro-(Z)-propene		X				mg/L
10061-02-6	X	trans-1,3-Dichloropropene	1,3-Dichloro-(E)-propene		X				mg/L
100-41-4	X	Ethylbenzene			X	0.7		0.35	mg/L
97-63-2	X	Ethyl methacrylate	2-Propenoic acid, 2-methyl-, ethyl ester						mg/L
591-78-6	X	2-Hexanone	Methyl butyl ketone						mg/L
78-83-1	X	Isobutyl alcohol	2-Methyl-1-propanol						mg/L
126-98-7	X	Methacrylonitrile	2-Methyl-2-propenenitrile						mg/L
74-83-9	X	Methyl bromide	Bromomethane		X				mg/L
74-87-3	X	Methyl chloride	Chloromethane		X				mg/L
74-95-3	X	Methylene bromide	Dibromomethane						mg/L
75-09-2	X	Methylene chloride	Dichloromethane		X	0.005		0.0025	mg/L
78-93-3	X	Methyl ethyl ketone	MEK; 2-Butanone						mg/L
74-88-4	X	Methyl iodide	Iodomethane						mg/L
80-62-6	X	Methyl methacrylate	2-Methyl-2-propenoic acid, methyl ester						mg/L
108-10-1	X	4-Methyl-2-pentanone	Methyl isobutyl ketone						mg/L
1634-04-4	X	Methyl tert-butyl ether	MTBE; 2-Methoxy-2-methylpropane	X	X	0.1		0.075	mg/L
107-12-0	X	Propionitrile	Propanenitrile; Ethyl cyanide						mg/L
100-42-5	X	Styrene	Ethenylbenzene			0.1		0.05	mg/L
630-20-6	X	1,1,1,2-Tetrachloroethane							mg/L
79-34-5	X	1,1,1,2-Tetrachloroethane			X	0.01		0.005	mg/L
127-18-4	X	Tetrachloroethylene	Tetrachloroethene; Perchloroethylene; 1,1,2,2-Tetrachloroethylene; PCE; Ethylene tetrachloride		X	0.005		0.0025	mg/L
108-88-3	X	Toluene	Methylbenzene		X	1		0.5	mg/L
120-82-1	X	1,2,4-Trichlorobenzene				0.07		0.035	mg/L
71-55-6	X	1,1,1-Trichloroethane	Methylchloroform		X	0.2		0.1	mg/L
79-00-5	X	1,1,2-Trichloroethane			X	0.005		0.0025	mg/L
79-01-6	X	Trichloroethylene	Trichloroethene; 1,1,2-Trichloroethylene; TCE		X	0.005		0.0025	mg/L
75-69-4	X	Trichlorofluoromethane	CFC-11		X				mg/L
96-18-4	X	1,2,3-Trichloropropane							mg/L
108-05-4	X	Vinyl acetate	Acetic acid ethenyl ester						mg/L
75-01-4	X	Vinyl Chloride	Chloroethene		X	0.002		0.001	mg/L
1330-20-7	X	Xylene (total) (see note 1)	Dimethylbenzene		X	0.62		0.31	mg/L
EDB & DBCP (2)									
106-93-4	X	1,2-Dibromoethane	Ethylene dibromide; EDB		X	0.00005		0.000025	mg/L
96-12-8	X	1,2-Dibromo-3-chloropropane	DBCP			0.0002		0.0001	mg/L
Semivolatile organic compounds (SVOC) (78)									
98-86-2	X	Acetophenone	1-Phenylethanone						mg/L
53-96-3	X	2-Acetylaminofluorene	2-AAF; Acetylaminofluorene						mg/L
92-67-1	X	4-Aminobiphenyl	[1,1'-Biphenyl]-4-amine						mg/L
92-87-5	X	Benzidine	[1,1'-Biphenyl]-4,4'-diamine; 4,4'-Diaminobiphenyl		X				mg/L
100-51-6	X	Benzyl alcohol	Benzenemethanol						mg/L
111-91-1	X	Bis(2-chloroethoxy)methane	Dichloromethoxy ethane						mg/L
111-44-4	X	Bis(2-chloroethyl)ether	Dichloroethyl ether; DCEE		X				mg/L
108-60-1	X	Bis(2-chloro-1-methylethyl) ether	2,2'-Dichlorodiisopropyl ether; DCIP; Bis(2-chloroisopropyl) ether		X				mg/L
117-81-7	X	Bis (2-ethylhexyl) phthalate	Di (2-ethylhexyl)phthalate		X				mg/L
101-55-3	X	4-Bromophenyl phenyl ether	1-Bromo-4-phenoxybenzene						mg/L
85-68-7	X	Butyl benzyl phthalate	Benzyl butyl phthalate; BBP						mg/L
106-47-8	X	p-Chloroaniline	4-Chloroaniline; 4-Chlorobenzenamine						mg/L
510-15-6	X	Chlorobenzilate	Ethyl-4,4'-dichlorobenzilate						mg/L
59-50-7	X	p-Chloro-m-cresol	4-Chloro-3-methylphenol						mg/L

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91-58-7	X	2-Chloronaphthalene							mg/L
95-57-8	X	2-Chlorophenol							mg/L
7005-72-3	X	4-Chlorophenyl phenyl ether	1-Chloro-4-phenoxybenzene						mg/L
108-39-4	X	m-Cresol	3-Methylphenol						mg/L
95-48-7	X	o-Cresol	2-Methylphenol						mg/L
106-44-5	X	p-Cresol	4-Methylphenol						mg/L
132-64-9	X	Dibenzofuran							mg/L
84-74-2	X	Di-n-butyl phthalate	Dibutyl phthalate		X				mg/L
91-94-1	X	3,3'-Dichlorobenzidine	3,3'-Dichloro-[1,1'-biphenyl]-4,4'-diamine		X				mg/L
120-83-2	X	2,4-Dichlorophenol			X				mg/L
87-65-0	X	2,6-Dichlorophenol							mg/L
84-66-2	X	Diethyl phthalate	1,2-Benzenedicarboxylic acid, diethyl ester		X				mg/L
60-11-7	X	p-(Dimethylamino)azobenzene	4-Dimethylaminoazobenzene; N,N-Dimethyl-4-(phenylazo)-benzenamine						mg/L
57-97-6	X	7,12-Dimethylbenz(a)anthracene							mg/L
119-93-7	X	3,3'-Dimethylbenzidine	3,3'-Dimethyl-[1,1'-Biphenyl]-4,4'-diamine						mg/L
122-09-8	X	alpha, alpha-Dimethylphenethylamine	A,A-Dimethylphenethylamine; alpha, alpha-Dimethylbenzeneethanamine						mg/L
105-67-9	X	2,4-Dimethylphenol	m-Xylenol						mg/L
131-11-3	X	Dimethyl phthalate	1,2-Benzenedicarboxylic acid, dimethyl ester		X				mg/L
534-52-1	X	4,6-Dinitro-o-cresol	4,6-Dinitro-2-methylphenol; 2,4-Dinitro-o-cresol		X				mg/L
51-28-5	X	2,4-Dinitrophenol			X				mg/L
117-84-0	X	Di-n-octyl phthalate	1,2-Benzenedicarboxylic acid, dioctyl ester						mg/L
122-39-4	X	Diphenylamine	N-Phenylbenzenamine; N-Phenylaniline; Phenylaminobenzene						mg/L
122-66-7	X	1,2-Diphenylhydrazine	N,N'-Diphenylhydrazine		X				mg/L
62-50-0	X	Ethyl methanesulfonate	Methanesulfonic acid, ethyl ester						mg/L
118-74-1	X	Hexachlorobenzene			X	0.001		0.0005	mg/L
87-68-3	X	Hexachlorobutadiene	1,1,2,3,4,4-Hexachloro-1,3-butadiene		X				mg/L
77-47-4	X	Hexachlorocyclopentadiene	1,2,3,4,5,5-Hexachloro-1,3-cyclopentadiene		X	0.05		0.025	mg/L
67-72-1	X	Hexachloroethane			X				mg/L
1888-71-7	X	Hexachloropropene	1,1,2,3,3,3-Hexachloro-1-propene						mg/L
78-59-1	X	Isophorone	3,5,5-Trimethyl-2-cyclohexen-1-one		X				mg/L
120-58-1	X	Isosafrole	5-(1-Propenyl)-1,3-benzodioxole						mg/L
91-80-5	X	Methapyrilene							mg/L
56-49-5	X	3-Methylcholanthrene	1,2-Dihydro-3-methylbenz[j]aceanthrylene						mg/L
66-27-3	X	Methyl methanesulfonate	Methanesulfonic acid, methyl ester						mg/L
130-15-4	X	1,4-Naphthoquinone	1,4-Naphthalenedione						mg/L
134-32-7	X	1-Naphthylamine	1-Naphthalenamine						mg/L
91-59-8	X	2-Naphthylamine	2-Naphthalenamine						mg/L
88-74-4	X	o-Nitroaniline	2-Nitroaniline; 2-Nitrobenzenamine						mg/L
99-09-2	X	m-Nitroaniline	3-Nitroaniline; 3-Nitrobenzenamine						mg/L
100-01-06	X	p-Nitroaniline	4-Nitroaniline; 4-Nitrobenzenamine						mg/L
88-75-5	X	o-Nitrophenol	2-Nitrophenol						mg/L
100-02-7	X	p-Nitrophenol	4-Nitrophenol						mg/L
924-16-3	X	N-Nitrosodi-n-butylamine	N-Butyl-N-nitroso-1-butanamine						mg/L
55-18-5	X	N-Nitrosodiethylamine	N-Ethyl-N-nitrosoethanamine		X				mg/L
62-75-9	X	N-Nitrosodimethylamine	N-Methyl-N-nitrosomethanamine		X				mg/L
86-30-6	X	N-Nitrosodiphenylamine	N-Nitroso-N-phenylbenzenamine		X				mg/L
621-64-7	X	N-Nitrosodipropylamine	N-Nitroso-N-dipropylamine; N-Nitroso-N-propyl-1-propanamine; N-Nitrosodi-N-propylamine; Di-n-propylnitrosamine						mg/L
10595-95-6	X	N-Nitrosomethylethylamine	N-Methyl-N-nitrosoethanamine						mg/L
100-75-4	X	N-Nitrosopiperidine	1-Nitrosopiperidine						mg/L
930-55-2	X	N-Nitrosopyrrolidine	1-Nitrosopyrrolidine		X				mg/L
99-55-8	X	5-Nitro-o-toluidine	2-Methyl-5-nitrobenzenamine						mg/L
608-93-5	X	Pentachlorobenzene			X				mg/L
82-68-8	X	Pentachloronitrobenzene							mg/L
62-44-2	X	Phenacetin	N-(4-ethoxyphenyl) acetamide						mg/L
	X	Phenols (total)	Phenolics	X	X	0.005		0.00375	mg/L
106-50-3	X	p-Phenylenediamine	4-Phenylenediamine; 1,4-Benzenediamine						mg/L
23950-58-5	X	Pronamide	3,5-Dichloro-N-(1,1-dimethyl-2-propynyl)-benzamide						mg/L
94-59-7	X	Safrole	5-(2-Propenyl)-1,3-benzodioxole						mg/L
95-94-3	X	1,2,4,5-Tetrachlorobenzene			X				mg/L
58-90-2	X	2,3,4,6-Tetrachlorophenol							mg/L

CAS #	Hazardous Constituent per 20.9.2.7.H(2) NMAC	Common Name	Alternate Name(s)	Listed in 20.6.2.3103.B & C	Toxic Pollutant Listed in 20.6.2.7	GWPS	PQL (to be established by permittee)	AML (see notes 5, 6, 7)	Units
95-53-4	X	o-Toluidine	2-Methylbenzenamine						mg/L
95-95-4	X	2,4,5-Trichlorophenol			X				mg/L
88-06-2	X	2,4,6-Trichlorophenol			X				mg/L
126-68-1	X	O,O,O-Triethyl phosphorothioate	Phosphorothioic acid, O,O,O-triethyl ester						mg/L
Polycyclic Aromatic Hydrocarbons (PAH) (16)									
83-32-9	X	Acenaphthene	1,2-Dihydroacenaphthylene						mg/L
208-96-8	X	Acenaphthylene							mg/L
120-12-7	X	Anthracene			X				mg/L
56-55-3	X	Benzo(a)anthracene	Benzanthracene						mg/L
50-32-8	X	Benzo(a)pyrene			X	0.0002		0.0001	mg/L
205-99-2	X	Benzo(b)fluoranthene	Benz(e)acephenanthrylene; 3,4-benzofluoranthene		X				mg/L
207-08-9	X	Benzo(k)fluoranthene			X				mg/L
191-24-2	X	Benzo(ghi)perylene							mg/L
218-01-9	X	Chrysene							mg/L
53-70-3	X	Dibenz(a,h)anthracene							mg/L
206-44-0	X	Fluoranthene			X				mg/L
86-73-7	X	Fluorene	9H-Fluorene		X				mg/L
193-39-5	X	Indeno(1,2,3-cd)pyrene							mg/L
See note 3	X	Napthalene plus monomethylnaphthalenes			X	0.03		0.015	mg/L
85-01-8	X	Phenanthrene			X				mg/L
129-00-0	X	Pyrene			X				mg/L
Polychlorinated Biphenyls (PCB) (1)									
1336-36-3	X	Polychlorinated biphenyls (see note 2)	PCB's; 1,1'-Biphenyl chloro derivatives		X	0.0005		0.00025	mg/L
Organochlorine Pesticides (21)									
309-00-2	X	Aldrin	HHDN		X				mg/L
319-84-6	X	alpha-BHC	alpha-Hexachlorocyclohexane; alpha-HCH		X				mg/L
319-85-7	X	beta-BHC	beta-Hexachlorocyclohexane; beta-HCH		X				mg/L
319-86-8	X	delta-BHC	delta-Hexachlorocyclohexane		X				mg/L
58-89-9	X	gamma-BHC	Lindane; gamma-Hexachlorocyclohexane; gamma-HCH		X	0.0002		0.0001	mg/L
57-74-9	X	Chlordane			X	0.002		0.001	mg/L
72-54-8	X	4,4'-DDD	4,4'-Dichlorodiphenyldichloroethane; p,p'-DDD						mg/L
72-55-9	X	4,4'-DDE	4,4'-Dichlorodiphenyldichloroethene; p,p'-DDE						mg/L
50-29-3	X	4,4'-DDT	4,4'-Dichlorodiphenyltrichloroethane; p,p'-DDT		X				mg/L
60-57-1	X	Dieldrin			X				mg/L
959-98-8	X	Endosulfan I	alpha-Endosulfan		X				mg/L
33213-65-9	X	Endosulfan II	beta-Endosulfan		X				mg/L
1031-07-8	X	Endosulfan sulfate							mg/L
72-20-8	X	Endrin			X	0.002		0.001	mg/L
7421-93-4	X	Endrin aldehyde							mg/L
76-44-8	X	Heptachlor			X	0.0004		0.0002	mg/L
1024-57-3	X	Heptachlor epoxide				0.0002		0.0001	mg/L
465-73-6	X	Isodrin							mg/L
143-50-0	X	Kepone	Chlordecone						mg/L
72-43-5	X	Methoxychlor	1,1'-(2,2,2-Trichloroethylidene)bis[4-methoxybenzene]			0.04		0.02	mg/L
8001-35-2	X	Toxaphene (see note 4)			X	0.003		0.0015	mg/L
Organophosphorus Pesticides (7)									
60-51-5	X	Dimethoate	Phosphorodithioic acid, O,O-dimethyl S-[2(methylamino)-2-oxoethyl] ester						mg/L
298-04-04	X	Disulfoton	Disyston						mg/L
52-85-7	X	Famphur							mg/L
298-00-0	X	Methyl parathion	Parathion methyl; Phosphorothioic acid, O,O-dimethyl						mg/L
56-38-2	X	Parathion	Phosphorothioic acid, O,O-diethyl-O-(4-nitrophenyl) ester						mg/L
298-02-2	X	Phorate	Phosphorodithioic acid, O,O-diethyl S-[(ethylthio)methyl] ester						mg/L

CAS #	Hazardous Constituent per 20.9.2.7.H(2) NMAC	Common Name	Alternate Name(s)	Listed in 20.6.2.3103.B & C	Toxic Pollutant Listed in 20.6.2.7	GWPS	PQL (to be established by permittee)	AML (see notes 5, 6, 7)	Units
297-97-2	X	Thionazin	O,O-Diethyl O-2-pyrazinyl phosphorothioate						mg/L
Herbicides (7)									
1912-24-9	X	Atrazine	6-chloro-N-ethyl-N'-(1-methylethyl)-triazine-2,4-diamine; 2-chloro-4-ethylamino-6-isopropylamino-1,3,5-triazine		X		0.003	0.0015	mg/L
94-75-7	X	2,4-D	2,4-Dichlorophenoxyacetic acid				0.07	0.035	mg/L
2303-16-4	X	Diallate							mg/L
88-85-7	X	Dinoseb	DNBP: 2-sec-Butyl-4,6-dinitrophenol; 2-(1-Methylpropyl)-4,6-dinitrophenol				0.007	0.0035	mg/L
87-86-5	X	Pentachlorophenol			X		0.001	0.0005	mg/L
93-72-1	X	Silvex	2,4,5-TP; 2-(2,4,5-Trichlorophenoxy)-propanoic acid				0.05	0.025	mg/L
93-76-5	X	2,4,5-T	(2,4,5-Trichlorophenoxy)-acetic acid						mg/L
Dioxins (1)									
1746-01-6	X	2,3,7,8-TCDD	2,3,7,8-Tetrachlorodibenzo-p-dioxin; 2,3,7,8-Tetrachlorodibenzo[b,e][1,4]dioxin				0.03	0.015	ng/L
Nitroaromatics (Explosives) (8)									
99-65-0	X	m-Dinitrobenzene	1,3-Dinitrobenzene						mg/L
121-14-2	X	2,4-Dinitrotoluene	1-Methyl-2,4-dinitrobenzene; 2,4 DNT		X				mg/L
606-20-2	X	2,6-Dinitrotoluene	2-Methyl-1,3-dinitrobenzene; 2,6 DNT		X				mg/L
2691-41-0	X	HMX	Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine		X				mg/L
98-95-3	X	Nitrobenzene			X				mg/L
121-82-4	X	RDX	Hexahydro-1,3,5-trinitro-1,3,5-triazine		X				mg/L
99-35-4	X	sym-Trinitrobenzene	1,3,5-Trinitrobenzene						mg/L
118-96-7	X	2,4,6-Trinitrotoluene	TNT; 2-Methyl-1,3,5-trinitrobenzene		X				mg/L
Physical parameters (2)									
		pH		X		Between 6 and 9		Between 6 and 9	Std. unit
		Total Dissolved Solids	TDS	X		1000.0		750.0	mg/L

Subsection C (15 Parameters)

Inorganic chemicals (9)									
1331-21-6		Ammonia (as N)							mg/L
7440-70-2*		Calcium							mg/L
7439-95-4*		Magnesium							mg/L
14265-44-2		Phosphate (total, as P)							mg/L
7440-09-7*		Potassium							mg/L
7440-23-5*		Sodium							mg/L
		Total Kjeldahl Nitrogen	TKN						mg/L
		Total Nitrogen							mg/L
		Total Organic Carbon	TOC						mg/L
Physical parameters (6)									
		Bicarbonate Alkalinity							mg/L
		Carbonate Alkalinity							mg/L
		Specific Conductance							µS/cm
		Temperature							degree C
		Depth to Ground Water							ft bgs
		Groundwater Elevation							ft amsl

NOTES:

* - CAS is for elemental form.

1 - This entry includes o-xylene (CAS 96-47-6), m-xylene (CAS 108-38-3), p-xylene (CAS 106-42-3), and unspecified xylenes (dimethylbenzenes) (CAS 1330-20-7)

2 - This category contains congener chemicals, including constituents of Aroclor-1016 (CAS 12674-11-2), Aroclor-1221 (CAS 11104--28-2), Aroclor-1232 (CAS 11141-16-5), Aroclor-1242 (CAS 53469-21-9), Aroclor-1248 (CAS 12672-29-6), Aroclor-1254 (CAS 11097-69-1), and Aroclor-1260 (CAS 11096-82-5).

3 - This entry includes naphthalene (CAS 91-20-3), 1-methylnaphthalene (CAS 90-12-0), and 2-methylnaphthalene (CAS 91-57-6).

4 - This entry includes congener chemicals contained in technical toxaphene (CAS 8001-35-2), for example, chlorinated camphene.

5 - Assessment Monitoring Levels (AMLs) listed are presumptive values.

6 - For hazardous constituents without established GWPS, AMLs must be calculated from PQL values using the following formula: AML = 1.95 x PQL.

7 - The 2007 New Mexico Solid Waste Rules do not require establishing AMLs for constituents in Subsection C. However, background concentrations for these constituents still have to be established in accordance with 20.9.9.10.E NMAC.

CAS #	Hazardous Constituent per 20.9.2.7.H(2) NMAC	Common Name	Alternate Name(s)	Listed in 20.6.2.3103.B & C	Toxic Pollutant Listed in 20.6.2.7	GWPS	PQL (to be established by permittee)	AML (see notes 5, 6, 7)	Units
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GWPS -Ground Water Protection Standard
ft bgs - feet below ground surface

PQL- Practical Quantitation Limit
ft amsl - feet above median sea level

AML - Assessment Monitoring Level