

## NPDES Application Supplemental Requirements

### I. Pollutants Analysis/Measurements

Analysis/measurement for the following pollutants should accompany the NPDES application for discharges of wastewater to surface waters.

Table I. List of Pollutants Analysis/Measurements

ID Num.	Pollutant	Quantitation Level	Screening Levels		Minimum Levels (ML)
			MUN <sup>a</sup>	Others <sup>b</sup>	
		Unit -- (µg/L)	Unit -- (µg/L)		Unit -- (µg/L)
	<b>Metals<sup>(a)</sup></b>				
1097	Antimony (Sb)		14	4300	5
1000	Arsenic (As)		50	36	10
1012	Beryllium (Be)		4	--	0.5
1027	Cadmium (Cd)		2.4	9.4	0.5
1033	Chromium III (Cr3+)		50	--	10
1032	Chromium VI (Cr6+)		11	50	5
1119	Copper (Cu)		9.4	3.7	0.5
720	Cyanide (CN)		5.2	--	5
1051	Lead (Pb)		3.2	8.5	0.5
71900	Mercury (Hg)		0.050	0.051	0.2
1067	Nickel (Ni)		52	8.3	1
1147	Selenium (Se)		5.0	71	2
1077	Silver (Ag)		4	2.2	0.25
1059	Thallium (Tl)		1.7	6.3	1
1092	Zinc (Zn)		122	86	20
	(a) = Metals concentrations are expressed as total recoverable				
	<b>Volatile Organic Compounds</b>				
34496	1,1 Dichloroethane		5	5	1
34501	1,1 Dichloroethylene		0.057	3.2	0.5
34506	1,1,1 Trichloroethane		200	200	2
34511	1,1,2 Trichloroethane		0.60	42	0.5
34516	1,1,2,2 Tetrachloroethane		0.17	11	0.5
34536	1,2 Dichlorobenzene		600	17000	0.5
32103	1,2 Dichloroethane		0.38	99	0.5
34541	1,2 Dichloropropane		0.52	39	0.5
34549	1,2-Trans Dichloroethylene		10	140000	1
34566	1,3 Dichlorobenzene		400	2600	2
34561	1,3 Dichloropropylene		0.5	0.5	0.5
34571	1,4 Dichlorobenzene		5	0.5	0.5
34576	2-Chloroethyl vinyl ether		--	--	1
34210	Acrolein		100	100	5
34215	Acrylonitrile		0.059	0.66	2.0
34030	Benzene		1.0	1.0	0.5
32104	Bromoform		4.3	360	0.5
32102	Carbon Tetrachloride		0.25	4.4	0.5
34301	Chlorobenzene		30	21000	2
34306	Chlorodibromo-methane		0.401	34	0.5
85811	Chloroethane		100	100	2
32106	Chloroform		100	100	2
32101	Dichlorobromo-methane		0.56	46	0.5
78113	Ethylbenzene		700	700	2
34413	Methyl Bromide		10	4000	2
34418	Methylene Chloride		4.7	1600	0.5
34475	Tetrachloroethylene		0.8	8.85	0.5
34010	Toluene		150	150	2
39180	Trichloroethylene		2.7	5	0.5
39175	Vinyl Chloride		0.5	0.5	0.5
63	Xylenes		1750	1750	na
	Acetone		700	700	na
	Ethylene Dibromide		0.05	0.05	na
	Methyl Chloride		3	3	0.5

<sup>a</sup> Applies to water with Municipal and Domestic Supply (MUN) (indicated with E and I in the Basin Plan) beneficial uses designations.

<sup>b</sup> Applies to all other receiving waters.

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			MUN <sup>a</sup>	Others <sup>b</sup>	
		Unit -- (µg/L)	Unit -- (µg/L)		Unit -- (µg/L)
	Methyl ethyl ketone		700	700	na
	<b>Pesticides and PCBs</b>				
39310	4,4'-DDD		0.00083	0.00084	0.05
39320	4,4'-DDE		0.00059	0.00059	0.05
39300	4,4'-DDT		0.00059	0.00059	0.01
78428	Alpha-Endosulfan		0.056	0.0087	0.02
39336	Alpha-BHC		0.0039	0.013	0.01
39330	Aldrin		0.00013	0.00014	0.005
34356	Beta-Endosulfan		0.056	0.0087	0.01
39338	beta-BHC		0.014	0.046	0.005
39350	Chlordane		0.00057	0.00059	0.1
34198	delta-BHC		--	--	0.005
39380	Dieldrin		0.00014	0.00014	0.01
34351	Endosulfan Sulfate		110	240	0.05
39390	Endrin		0.036	0.0023	0.01
34366	Endrin Aldehyde		0.76	0.81	0.01
39410	Heptachlor		0.00021	0.00021	0.01
39420	Heptachlor Epoxide		0.0001	0.00011	0.01
39340	gamma-BHC		0.019	0.063	0.02
4166	PCB 1016		0.00017	0.00017	0.5
4166	PCB 1221		0.00017	0.00017	0.5
4166	PCB 1232		0.00017	0.00017	0.5
4166	PCB 1242		0.00017	0.00017	0.5
4166	PCB 1248		0.00017	0.00017	0.5
4166	PCB 1254		0.00017	0.00017	0.5
4166	PCB 1260		0.00017	0.00017	0.5
39400	Toxaphene		0.00073	0.00075	0.5
	<b>Semi – Volatile Organic Compounds</b>				
34536	1,2 Dichlorobenzene		600	17000	0.5
34346	1,2 Diphenylhydrazine		0.040	0.54	1
34551	1,2,4 Trichlorobenzene		70	--	5
34566	1,3 Dichlorobenzene		400	2600	2
34571	1,4 Dichlorobenzene		5	2600	2
34586	2 Chlorophenol		120	400	5
34601	2,4 Dichlorophenol		93	790	5
34606	2,4 Dimethylphenol		540	2300	2
34616	2,4 Dinitrophenol		70	14000	5
34611	2,4 Dinitrotoluene		0.11	9.1	5
34624	2,4,6 Trichlorophenol		2.1	6.5	10
34626	2,6 Dinitrotoluene		--	--	5
34591	2-Nitrophenol		--	--	10
34581	2-Chloronaphthalene		1700	4300	10
34631	3,3' Dichlorobenzidine		0.04	0.077	5
	3-Methyl-4-Chlorophenol		--	--	1
3615	2-Methyl-4,6-Dinitrophenol		13	765	5
34646	4-Nitrophenol		--	--	5
34636	4-Bromophenyl phenyl ether		--	--	5
34641	4-Chlorophenyl phenyl ether		--	--	5
34205	Acenaphthene		1200	2700	1
34200	Acenaphthylene		--	--	10
34220	Anthracene		9600	110000	5
39120	Benzidine		0.00012	0.00054	5
34526	Benzo (a) Anthracene		0.0044	0.049	5
34247	Benzo (a) Pyrene		0.0044	0.049	2
34230	Benzo (b) Fluoranthene		0.0044	0.049	10
34521	Benzo (g,h,i) Perylene		--	--	5
34242	Benzo (k) Fluoranthene		0.0044	0.049	2
34278	Bis (2-Chloroethoxyl) methane		--	--	5
34273	Bis(2-Chloroethyl) ether		0.031	1.4	1
34283	Bis(2-Chloroisopropyl) ether		1400	170000	10
39100	Bis(2-Ethylhexyl) phthalate		1.8	5.9	5
34292	Butyl benzyl phthalate		3000	5200	10
34320	Chrysene		0.0044	0.049	5
34556	Dibenzo(a,h)-anthracene		0.0044	0.049	0.1

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			MUN <sup>a</sup>	Others <sup>b</sup>	
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34336	Diethyl phthalate		23000	120000	10
34341	Dimethyl phthalate		313000	2900000	10
39110	di-n-Butyl phthalate		2700	12000	10
34596	di-n-Octyl phthalate		--	--	10
34376	Fluoranthene		300	370	10
34381	Fluorene		1300	14000	10
39700	Hexachlorobenzene		0.00075	0.00077	1
39702	Hexachlorobutadiene		0.44	50	1
34386	Hexachloro-cyclopentadiene		50	17000	5
34396	Hexachloroethane		1.9	8.9	1
34403	Indeno(1,2,3,cd)-pyrene		0.0044	0.049	0.05
34408	Isophorone		8.4	600	1
34438	N-Nitrosodimethyl amine (NDMA)		0.00069	8.1	5
34428	N-Nitroso-di-n-propyl amine		0.005	1.4	5
34433	N-Nitrosodiphenyl amine		5.0	16	1
34696	Naphthalene		21	--	10
34447	Nitrobenzene		17	1900	10
39032	Pentachlorophenol		0.28	7.9	1
34461	Phenanthrene		--	--	5
34694	Phenol		21000	4600000	50
34469	Pyrene		960	11000	10
	<b>Miscellaneous</b>				
82698	2,3,7,8-TCDD (Dioxin)		1.3E-08	1.3E-08	na
948	Asbestos (in fibers/L k.s.)		7000000	7000000	na
	Perchlorate		4	4	na
	1,4-Dioxane		3	3	na
	Methyl tertiary butyl ether (MTBE)		5	5	2
	Di-isopropyl Ether (DIPE)		0.8	0.8	2
	Ethyl Tertiary Butyl Ether (ETBE)		2	2	2
	Tertiary Amyl Methyl Ether (TAME)		2	2	2
	Tertiary Butyl Alcohol (TBA)	*	12	12	10
	Methanol		1000	1000	1000
	Ethanol		1000	1000	1000
	<b>Total Petroleum Hydrocarbons</b> Using both EPA 418.1 and EPA 8015 (modified) methods		100	100	100
	<b>* Analysis required for petroleum-fuel impacted water only.</b>				
	<b>Conventional</b>	mg/L	mg/L	mg/L	mg/L
	Hardness		na	na	na
	pH (pH unit)		na	na	na
	Suspended solids		na	na	na
	BOD520°C		na	na	na
	Oil and grease		na	na	na
	Settleable Solids (ml/L)		na	na	na
	Turbidity		na	na	na
	Total Dissolved Solids		na	na	na
	Chlorides		na	na	na
	Sulfates		na	na	na
	Nitrites+Nitrates (as Nitrogen)		na	na	na
	Sulfides		na	na	na
	Boron		na	na	na
	Note: na = not applicable -- = no screening level				

**II. Alternative Method of Disposal**

The application should also be accompanied by a feasibility study of reuse of the wastewater, and if reuse is not feasible, alternatives for disposal other than surface waters.