

Attachment K
Derivations of Reasonable Potential Analyses and Performance Goals
Oxnard Wastewater Treatment Plant
(CA0054097, CI-2022)

Constituents	units	Aug-02	Sep-02	Oct-02	Nov-02	Dec-02	Jan-03	Feb-03	Mar-03	Apr-03	May-03	Jun-03	Jul-03	Aug-03
Conventional/NonConventional (3a)	mg/L													
BOD	mg/L	27	35	16	12	24	22.2	12.5	12.4	13.7	10	12	10	12
Total Suspended Solids	mg/L	5.1	4.3	4.1	4.3	4.8	6	6	5	7	4	5	5	4
Oil & Grease	mg/L	5	<5	5	5	<5	<5	5	5	5	<5	<5	5	5
Settleable Solids	ml/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total Coliform	MPN/100mL	4717	7023	2534	6515	1282	1448	1031	3830	1755	5071	2079	2817	6338
Fecal Coliform	MPN/100mL	532	1510	94	74	78	94	630	292	154	110	180	512	120
Enterococcus	MPN/100mL	132	272	35	80	223	133	300	828	479	349	143	37	99
Nitrate-N	mg/L	0.53	0.67	0.68	0.01	<0.01	<0.01	1.48	0.33	0.49	0.67	0.9	0.9	0.96
Nitrite-N	mg/L	0.51	0.79	0.35	0.22	0.22	0.69	1.26	1.2	1.26	1	1.86	1.86	1.59
Organic-N	mg/L	7.8	1.2	4.7	1.7	2.2	1.8	2.7	1.5	3.35	3	3	1.8	2.75
pH		7.2	7.2	7.2	7.1	7.1	7.2	7.2	7.3	7.2	7.3	7.2	7.2	7.3
Temp	OC	25.2	25.5	24.4	23.2	21.8	22	22	22	23	23	24	26	26
Turbidity	NTU	3.5	3	2.8	2.3	2.7	2.7	3.4	3	3.3	2.3	2.9	2.7	2.4
Marine Aquatic Life														
Arsenic (As)	ug/L	<10	<2.0	<2.0	<2.0	<2.0		3			2			1.4
Cadmium (Cd)	ug/L	<5.0	<0.2	<0.2	<0.2	<0.2		<0.2			<0.2			<0.5
Chromium VI (Cr)	ug/L	<10.0	1	1	2.3	1		2			3			8
Copper (Cu)	ug/L	<10.0	5	20	26	22		32			29			<20
Lead (Pb)	ug/L	<10.0	0.3	4.8	33.2	4.5		2.5			1.3			<5.0
Mercury (Hg)	ug/L	0.02	<0.01	<0.01	<0.01	<0.01		0.02			<0.01			<0.2
Nickel (Ni)	ug/L	<10.0	7	5	9	8		20			6			6.7
Selenium (Se)	ug/L	<10						<2						1
Silver (Ag)	ug/L	<10.0	<1.0	<1.0	<1.0	<1.0		<1.0			<1.0			<1.0
Zinc (Zn)	ug/L	30	20	30	66.1	50		80			120			<20
Cyanide	ug/L	<5.0	<5.0	<5.0	<5.0	<5.0		<5.0			<5.0			<5.0
Residual Chlorine	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	0.1	<0.001	0.02	0.03	0.03	0.07	0.05	0.05
Ammonia-N	mg/L	17	22	25	19	20	23.6	23	21	25.5	25.2	22.8	20.9	20.9
Acute Toxicity	TUa													
Chronic Toxicity (Survival)	TUc	17.86	17.86	17.86	100	17.86	17.86	17.86	17.86	17.86	17.86	17.86	17.86	17.86
Chronic Toxicity (Growth)	TUc	17.86	17.86	17.86	17.86	17.86	17.86	17.86	17.86	17.86	17.86	17.86	17.86	17.86
Non-Chlorinated Phenolic Compounds	ug/L	<180						0.438			<0.6			<0.6
Chlorinated Phenolic Compounds	ug/L	<100						0.1746			<0.3			<0.3
Endosulfan	ug/L	<0.003	<0.003	<0.003	<0.003	<0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

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Constituents	units	Aug-02	Sep-02	Oct-02	Nov-02	Dec-02	Jan-03	Feb-03	Mar-03	Apr-03	May-03	Jun-03	Jul-03	Aug-03
Endrin	ug/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
HCH	ug/L	<0.004	<0.004	<0.004	<0.004	0.03	<0.001	0.0279	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Radioactivity														
Human Health - Noncarcinogens														
Acrolein	ug/L	<100						<5						<5
Antimony	ug/L	<10						<1						<5
Bis (2-Chloroethoxy) methane	ug/L	<10						<0.05			<0.05			<0.05
Bis (2-Chloroisopropyl) ether	ug/L	<10						<0.05			<0.05			<0.05
Chlorobenzene	ug/L	<0.5						<0.5						<0.5
Chromium III (Cr)	ug/L													
Di-n-Butyl Phthalate	ug/L	<10						0.0558			0.0876			<0.005
Dichlorobenzene	ug/L	<1.0						<1.0			<0.02			<1
Diethyl phthalate	ug/L	<10						0.045			0.0456			<0.005
Dimethyl phthalate	ug/L	<10						<0.005			<0.005			<0.005
4,6-dinitro-2-methylphenol	ug/L	<50						<0.5			<0.1			<0.1
2,4-dinitrophenol	ug/L	<50						<0.2			<0.1			<0.1
Ethylbenzene	ug/L	<0.5						<0.5						<0.5
Fluoranthene	ug/L	<0.05						<0.001			<0.001			<0.001
Hexachlorocyclopentadiene	ug/L	<10						<0.05			<0.05			<0.05
Nitrobenzene	ug/L	<10						<0.05			<0.05			<0.05
Thallium	ug/L	<1						<0.2						20
Toluene	ug/L	0.6						0.16						0.36
Tributyltin	ug/L	<0.002						<0.002						<0.002
1,1,1-trichloroethane	ug/L	<0.5						<0.5						<0.5
Human Health - Carcinogens														
Acrylonitrile	ug/L	<100						<2			<9.9			<2
Aldrin	ug/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Benzene	ug/L	<0.5						<0.5						<0.5
Benzidine	ug/L	<50						<0.05			<0.05			<0.05
Beryllium (Be)	ug/L	<5						<0.2						<0.5
Bis (2-Chloroethyl) ether	ug/L	<10						<0.05			<0.05			<0.05
Bis(2-ethylhexyl)-phthalate	ug/L	<10						0.68			1.27			0.444
Carbon tetrachloride	ug/L	<0.5						<0.5						<0.5
Chlordane	ug/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

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Chlorodibromomethane	ug/L	<0.5						0.57						0.25
Chloroform	ug/L	1.4												
DDT	ug/L	<1	<1	<1	<1	<1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,4-Dichlorobenzene	ug/L	3						1.59			0.827			1.8
3,3'-Dichlorobenzidine	ug/L	<20						<0.05			<0.05			<0.05
1,2-dichloroethane	ug/L	<0.5						<0.5						<0.5
1,1-dichloroethylene	ug/L	<0.5						<0.5						<0.5
Dichlorobromomethane	ug/L	<0.5						<0.5						<0.5
Dichloromethane	ug/L	<0.5						0.3						0.81
1,3-dichloropropene	ug/L	<0.5						<0.5						
Dieldrin	ug/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2,4-Dinitrotolulene	ug/L	<10						<0.05			<0.05			<0.05
1,2-Diphenylhydrazine	ug/L	<50						<0.05			0.0799			<0.05
Halomethanes	ug/L	<2.0						0.5						<2
Heptachlor	ug/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Heptachlor epoxide	ug/L	<1	<1	<1	<1	<1		<0.001			<0.001			<0.001
Hexachlorobenzene	ug/L	<10						<0.001			<0.001			<0.001
Hexachlorobutadiene	ug/L	<10						<0.05			<0.05			<0.05
Hexachloroethane	ug/L	<10						<0.05			<0.05			<0.05
Isophorone	ug/L	<10						<0.05			<0.05			<0.05
N-Nitrosodimethylamine	ug/L	<10						<0.05			<0.05			<0.05
N-Nitrosodi-N-propylamine	ug/L	<20						<0.05			<0.05			<0.05
N-Nitrosodiphenylamine	ug/L	<10						<0.05			<0.05			<0.05
PAH	ug/L	<1.85						<0.013			<0.013			0.0556*
PCBs	ug/L	<.01	<.01	<.01	<.01	<.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
TCDD	ug/L	<0.002						5.80E-09			1.10E-08			<1.9E-06
1,1,1,2-tetrachloroethane	ug/L	<0.5						<0.5						<0.5
Tetrachloroethylene	ug/L	<0.5						<0.5						<0.5
Toxaphene	ug/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Trichloroethylene	ug/L	<0.5						<0.5						<0.5
1,1,2-trichloroethane	ug/L	<0.5						<0.5						<0.5
2,4,6-Trichlorophenol	ug/L	<10						0.0991			<0.05			<0.05
Vinyl chloride	ug/L	<0.5						<0.5						<0.5

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Conventional/NonConventional (3a)	mg/L													
BOD	mg/L	12	14	12	14	13	12	15	12	13	14	13	13	14
Total Suspended Solids	mg/L	4	6	5	5	6	6	6	6	5	7	5	5	5
Oil & Grease	mg/L	<5	5	<5	5	<5	5	5	5	5	5	5	6	5
Settleable Solids	ml/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total Coliform	MPN/100mL	7649	17624	3084	13469	14005	12772	11970	19757	18668	16542	15314	11786	26000
Fecal Coliform	MPN/100mL	226	272	140	10062	32164	1198	4364	488	2870	258	972	372	2484
Enterococcus	MPN/100mL	286	878	446	>16000	3464	1087	3763	387	672	1174	134	261	6104
Nitrate-N	mg/L	1.72	1.19	3.45	2.55	<0.01	0.74	1.83	<0.01	0.64	0.7	1.15	1.92	0.45
Nitrite-N	mg/L	1.36	0.98	1.38	0.92	0.7	1.03	0.66	0.32	0.77	0.09	1.61	1.68	0.73
Organic-N	mg/L	3.5	4.35	5.10	3.4	3.1	2.8	3.6	2.9	4.5	4.1	2.95	2.6	4.9
pH		7.3	7.3	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.3
Temp	OC	25	25	23	21	21	21	22	23	24	25	25	26	26
Turbidity	NTU	3	4	3.3	3.1	3.2	3.8	3.4	3.4	3	3.7	3.1	3	2.9
Marine Aquatic Life														
Arsenic (As)	ug/L			<1.0			1.2			<1.0			1.2	
Cadmium (Cd)	ug/L			<0.5			<0.2			<0.2			<0.2	
Chromium VI (Cr)	ug/L			2			<1			3			1	
Copper (Cu)	ug/L			<20			<20			<20			<20	
Lead (Pb)	ug/L			<5.0			<0.2			0.4			0.7	
Mercury (Hg)	ug/L			<0.2			<0.2			<0.2			<0.2	
Nickel (Ni)	ug/L			<5.0			3			12			4	
Selenium (Se)	ug/L						2.8						<1	
Silver (Ag)	ug/L			<1.0			<1.0			<1.0			<1.0	
Zinc (Zn)	ug/L			24			<20			<20			<20	
Cyanide	ug/L			<5.0			<5.0			<5.0			<5.0	
Residual Chlorine	mg/L	0.07	0.05	0.04	0.04	0.03	0.07	0.04	0.08	0.08	0.08	0.05	0.04	0.04
Ammonia-N	mg/L	21.8	21	19.3	21.9	22	22	22	24	23	23	21	21	21
Acute Toxicity	TUa													
Chronic Toxicity (Survival)	TUc	17.86	17.86	17.86	17.86	17.86	17.86	17.86	17.86	17.86	17.86	17.86	17.86	17.86
Chronic Toxicity (Growth)	TUc	17.86	17.86	17.86	17.86	17.86	17.86	17.86	17.86	17.86	17.86	17.86	17.86	17.86
Non-Chlorinated Phenolic Compounds	ug/L			<0.6			<0.6			<0.6			<0.6	
Chlorinated Phenolic Compounds	ug/L			<0.3			<0.3			0.2058			0.1348	
Endosulfan	ug/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

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Endrin	ug/L	<0.001	<0.001	<0.001	<0.001		<0.001			<0.001			<0.001	
HCH	ug/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Radioactivity														
Human Health - Noncarcinogens														
Acrolein	ug/L						<5						<5	
Antimony	ug/L						1.6						<1	
Bis (2-Chloroethoxy) methane	ug/L			<0.05			<0.05			<0.05			<0.05	
Bis (2-Chloroisopropyl) ether	ug/L			<0.05			<0.05			<0.05			<0.05	
Chlorobenzene	ug/L						<0.5						<0.5	
Chromium III (Cr)	ug/L													
Di-n-Butyl Phthalate	ug/L			N/A			0.192			0.023			0.0979	
Dichlorobenzene	ug/L			<0.02			<0.02			<0.02			<0.02	
Diethyl phthalate	ug/L			N/A			0.193			0.026			0.0754	
Dimethyl phthalate	ug/L			N/A			0.0272			0.0092			<0.005	
4,6-dinitro-2-methylphenol	ug/L			<0.1			<0.1			<0.1			<0.1	
2,4-dinitrophenol	ug/L			<0.1			<0.1			<0.1			<0.1	
Ethylbenzene	ug/L						<0.5						<0.5	
Fluoranthene	ug/L			<0.001			0.0038			0.024			<0.001	
Hexachlorocyclopentadiene	ug/L			<0.05			<0.05			<0.05			<0.05	
Nitrobenzene	ug/L			<0.05			<0.05			<0.05			<0.05	
Thallium	ug/L						<0.2						<0.2	
Toluene	ug/L						0.36						<0.5	
Tributyltin	ug/L						<0.002						<0.002	
1,1,1-trichloroethane	ug/L						<0.5						<0.5	
Human Health - Carcinogens														
Acrylonitrile	ug/L			<2			<2			<2			<2	
Aldrin	ug/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Benzene	ug/L						<0.5						<0.5	
Benzidine	ug/L			<0.05			<0.05			<0.05			<0.05	
Beryllium (Be)	ug/L						<0.2						<0.2	
Bis (2-Chloroethyl) ether	ug/L			<0.05			<0.05			<0.05			<0.05	
Bis(2-ethylhexyl)-phthalate	ug/L			N/A			0.373			0.253			0.308	
Carbon tetrachloride	ug/L						<0.5						<0.5	
Chlordane	ug/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

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Chlorodibromomethane	ug/L						<0.5						0.161	
Chloroform	ug/L						0.984						0.741	
DDT	ug/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,4-Dichlorobenzene	ug/L			<0.01			1.02			0.146			0.738	
3,3'-Dichlorobenzidine	ug/L			<0.05			<0.05			<0.05			<0.05	
1,2-dichloroethane	ug/L						<0.5						<0.5	
1,1-dichloroethylene	ug/L						<0.5						<0.5	
Dichlorobromomethane	ug/L						<0.5						0.153	
Dichloromethane	ug/L						<0.5						<0.5	
1,3-dichloropropene	ug/L						<0.5						<0.5	
Dieldrin	ug/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2,4-Dinitrotolulene	ug/L			<0.05			<0.05			<0.05			<0.05	
1,2-Diphenylhydrazine	ug/L			<0.05			0.123			<0.05			<0.05	
Halomethanes	ug/L						<2						0.141*	
Heptachlor	ug/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Heptachlor epoxide	ug/L			<0.001			<0.001			<0.001			<0.001	
Hexachlorobenzene	ug/L			<0.001			<0.001			<0.001			<0.001	
Hexachlorobutadiene	ug/L			<0.05			<0.05			<0.05			<0.05	
Hexachloroethane	ug/L			<0.05			<0.05			<0.05			<0.05	
Isophorone	ug/L			<0.05			<0.05			<0.05			<0.05	
N-Nitrosodimethylamine	ug/L			<0.05			<0.05			<0.05			<0.05	
N-Nitrosodi-N-propylamine	ug/L			<0.05			<0.05			<0.05			<0.05	
N-Nitrosodiphenylamine	ug/L			<0.05			<0.05			<0.05			<0.05	
PAH	ug/L			<0.013			0.0578			0.0578			0.0034	
PCBs	ug/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
TCDD	ug/L			<1.9E-06			<1.9E-06			<9.5E-06			<7.6E-07	
1,1,1,2-tetrachloroethane	ug/L						<0.5						<0.5	
Tetrachloroethylene	ug/L						<0.5						<0.5	
Toxaphene	ug/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Trichloroethylene	ug/L						<0.5						<0.5	
1,1,2-trichloroethane	ug/L						<0.5						<0.5	
2,4,6-Trichlorophenol	ug/L			<0.05			<0.05			0.125			0.0804	
Vinyl chloride	ug/L						<0.5						<0.5	

Attachment K
Derivations of Reasonable Potential Analyses and Performance Goals
Oxnard Wastewater Treatment Plant
(CA0054097, CI-2022)

Constituents	units	Oct-04	Nov-04	Dec-04	Jan-05	Feb-05	Mar-05	Apr-05	May-05	Jun-05	Jul-05	Aug-05	Sep-05	Oct-05
Conventional/NonConventional (3a)	mg/L													
BOD	mg/L	16	17	18	22	25	20	20	14	19	14	16	14	13
Total Suspended Solids	mg/L	9	8	8	9	9	10	8	5	8	5	6	5	5
Oil & Grease	mg/L	6	6	<5	5	5	5	5	<5	5	<5	5	5	<5
Settleable Solids	ml/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total Coliform	MPN/100mL	78039	32838	21276	57007	19511	29606	27661	44115	59037	59323	59668	83800	51839
Fecal Coliform	MPN/100mL	43480	808	196	7626	702	244	2092	1466	2900	2170	24320	39060	5660
Enterococcus	MPN/100mL	3308	890	83	>16000	2800	2820	1620	5396	1250	562	9000	1306	838
Nitrate-N	mg/L	0.95	1.42	1.12	0.3	0.98	1.15	1.43	0.24	0.02	1.36	0.77	2.09	0.68
Nitrite-N	mg/L	0.94	1.38	1.19	0.73	0.87	0.36	0.96	0.4	0.38	1.52	1.21	1.3	0.97
Organic-N	mg/L	5.1	3.6	2.95	4.2	4	4.75	5	2.45	4.05	3.5	2.1	3.4	1.25
pH		7.2	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.4	7.4	7.4	7.4	7.4
Temp	OC	25	23	21	21	21	22	22	24	24	25	25	25	24
Turbidity	NTU	4.5	4.8	4.2	4.7	4.4	5.4	4.6	4.4	6.8	5	4.8	5.2	4.5
Marine Aquatic Life														
Arsenic (As)	ug/L		2.6			<1			9.7			1.5		
Cadmium (Cd)	ug/L		<0.2			<0.2			<0.2			<0.2		
Chromium VI (Cr)	ug/L		1			2			4			<1		
Copper (Cu)	ug/L		21			<20			<20			<20		
Lead (Pb)	ug/L		<0.2			0.6			0.2			1.9		
Mercury (Hg)	ug/L		<0.2			<0.2			<0.2			<0.2		
Nickel (Ni)	ug/L		5			1.2			5			4		
Selenium (Se)	ug/L					4.9						4.1		
Silver (Ag)	ug/L		<1.0			<1.0			<1.0			<1.0		
Zinc (Zn)	ug/L		<20			24			<20			<20		
Cyanide	ug/L		<5.0			<5.0			<5.0			<5.0		
Residual Chlorine	mg/L	0.05	0.05	0.04	0.05	0.05	0.05	0.05	0.03	0.02	0.04	0.05	0.04	0.04
Ammonia-N	mg/L	21	20	20	18	17	21	20	19	24	20	18	17	17
Acute Toxicity	TUa													
Chronic Toxicity (Survival)	TUc	17.86	17.86	17.86	17.86	17.86	17.86	17.86	17.86	17.86	17.86	17.86	17.86	17.86
Chronic Toxicity (Growth)	TUc	17.86	17.86	17.86	17.86	17.86	17.86	17.86	17.86	17.86	17.86	17.86	17.86	17.86
Non-Chlorinated Phenolic Compounds	ug/L		<0.6			0.136			0.101			<0.6		
Chlorinated Phenolic Compounds	ug/L		0.2			0.1714			0.416			0.118		
Endosulfan	ug/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

Attachment K
Derivations of Reasonable Potential Analyses and Performance Goals
Oxnard Wastewater Treatment Plant
(CA0054097, CI-2022)

Constituents	units	Oct-04	Nov-04	Dec-04	Jan-05	Feb-05	Mar-05	Apr-05	May-05	Jun-05	Jul-05	Aug-05	Sep-05	Oct-05
Endrin	ug/L		<0.001			<0.001			<0.001			<0.001		
HCH	ug/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Radioactivity														
Human Health - Noncarcinogens														
Acrolein	ug/L					<5						<5		
Antimony	ug/L					<1						<1		
Bis (2-Chloroethoxy) methane	ug/L		<0.05			<0.05			<0.05			<0.05		
Bis (2-Chloroisopropyl) ether	ug/L		<0.05			<0.05			<0.05			<0.05		
Chlorobenzene	ug/L					<0.5						<0.5		
Chromium III (Cr)	ug/L													
Di-n-Butyl Phthalate	ug/L		<0.005			0.0574			0.0992			0.0681		
Dichlorobenzene	ug/L		<0.02			<0.02			<0.02			<0.02		
Diethyl phthalate	ug/L		<0.005			0.246			0.0876			0.0814		
Dimethyl phthalate	ug/L		0.0314			<0.005			0.0216			0.0279		
4,6-dinitro-2-methylphenol	ug/L		<0.1			<0.1			<0.1			<0.1		
2,4-dinitrophenol	ug/L		<0.1			<0.1			<0.1			<0.1		
Ethylbenzene	ug/L					<0.5						<0.5		
Fluoranthene	ug/L		0.0028			<0.001			<0.001			<0.001		
Hexachlorocyclopentadiene	ug/L		<0.05			<0.05			<0.05			<0.05		
Nitrobenzene	ug/L		<0.05			<0.05			<0.05			<0.05		
Thallium	ug/L					<0.2						<0.2		
Toluene	ug/L					0.117						<0.5		
Tributyltin	ug/L					0.00263						0.00247		
1,1,1-trichloroethane	ug/L					<0.5						<0.5		
Human Health - Carcinogens														
Acrylonitrile	ug/L		<2			<2			<2			<2		
Aldrin	ug/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Benzene	ug/L					<0.5						<0.5		
Benzidine	ug/L		<0.05			<0.05			<0.05			<0.05		
Beryllium (Be)	ug/L					<0.2						<0.2		
Bis (2-Chloroethyl) ether	ug/L		<0.05			<0.05			<0.05			<0.05		
Bis(2-ethylhexyl)-phthalate	ug/L		0.316			0.679			0.358			0.793		
Carbon tetrachloride	ug/L					<0.5						<0.5		
Chlordane	ug/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

Attachment K
Derivations of Reasonable Potential Analyses and Performance Goals
Oxnard Wastewater Treatment Plant
(CA0054097, CI-2022)

Constituents	units	Oct-04	Nov-04	Dec-04	Jan-05	Feb-05	Mar-05	Apr-05	May-05	Jun-05	Jul-05	Aug-05	Sep-05	Oct-05
Chlorodibromomethane	ug/L					0.323						<0.5		
Chloroform	ug/L					0.653						0.493		
DDT	ug/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,4-Dichlorobenzene	ug/L		0.882			0.989			0.592			0.898		
3,3'-Dichlorobenzidine	ug/L		<0.05			<0.05			<0.05			<0.05		
1,2-dichloroethane	ug/L					<0.5						<0.5		
1,1-dichloroethylene	ug/L					<0.5						<0.5		
Dichlorobromomethane	ug/L					0.181						<0.5		
Dichloromethane	ug/L					0.25						0.36		
1,3-dichloropropene	ug/L					<0.5						<0.5		
Dieldrin	ug/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2,4-Dinitrotolulene	ug/L		<0.05			<0.05			<0.05			<0.05		
1,2-Diphenylhydrazine	ug/L		<0.05			<0.05			<0.05			<0.05		
Halomethanes	ug/L					0.384*						<1		
Heptachlor	ug/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Heptachlor epoxide	ug/L		<0.001			<0.001			<0.001			<0.001		
Hexachlorobenzene	ug/L		<0.001			<0.001			<0.001			<0.001		
Hexachlorobutadiene	ug/L		<0.05			<0.05			<0.05			<0.05		
Hexachloroethane	ug/L		<0.05			<0.05			<0.05			<0.05		
Isophorone	ug/L		<0.05			<0.05			<0.05			<0.05		
N-Nitrosodimethylamine	ug/L		<0.05			<0.05			<0.05			<0.05		
N-Nitrosodi-N-propylamine	ug/L		<0.05			<0.05			<0.05			<0.05		
N-Nitrosodiphenylamine	ug/L		<0.05			<0.05			<0.05			<0.05		
PAH	ug/L		0.0195			0.0048			0.0194			0.0131		
PCBs	ug/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
TCDD	ug/L		<1.1E-06			<1.8E-06			<2.2E-06			<3.1E-06		
1,1,1,2-tetrachloroethane	ug/L					<0.5						<0.5		
Tetrachloroethylene	ug/L					<0.5						<0.5		
Toxaphene	ug/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Trichloroethylene	ug/L					<0.5						<0.5		
1,1,2-trichloroethane	ug/L					<0.5						<0.5		
2,4,6-Trichlorophenol	ug/L		<0.05			0.117			0.182			0.118		
Vinyl chloride	ug/L					<0.5						<0.5		

Attachment K
Derivations of Reasonable Potential Analyses and Performance Goals
Oxnard Wastewater Treatment Plant
(CA0054097, CI-2022)

Constituents	units	Nov-05	Dec-05	Jan-06	Feb-06	Mar-06	Apr-06	May-06	Jun-06	Jul-06	Aug-06	Sep-06	Oct-06	Nov-06
Conventional/NonConventional (3a)	mg/L													
BOD	mg/L	16	15	15	16	15	12	12	15	10	12	12	12	12
Total Suspended Solids	mg/L	5	7	7	8	12	8	10	11	8	6	6	6	7
Oil & Grease	mg/L	13	7	5	<5	5	<5	5	5	5	5	<5	<5	<5
Settleable Solids	ml/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total Coliform	MPN/100mL	74633	67510	25437	39725	78355	43493	95355	110567	82832	67774	70200	87581	99700
Fecal Coliform	MPN/100mL	8296	3964	1796	2754	19616	18500	5828	16140	6128	9120	41440	36580	15520
Enterococcus	MPN/100mL	1546	550	1286	1590	1436	3663	1400	6920	944	1436	1060	4600	9020
Nitrate-N	mg/L	2.24	1.96	0.7	2.16	0.45	0.45	0.8	0.48	1.81	1.19	3.85	2.36	1.48
Nitrite-N	mg/L	1.56	1.17	0.43	1.32	0.71	1.07	0.82	0.71	1.38	1.15	1.81	1.63	1.18
Organic-N	mg/L	3.4	2.95	2.7	1.4	1.9	1.85	3.95	1.75	<1.0	3.2	<1.0	1	<1.0
pH		7.3	7.3	7.3	7.3	7.2	7.2	7.2	7.2	7.2	7.2	7.1	7.1	7.1
Temp	OC	23	22	21	21	21	22	23	24	25	25	24	24	23
Turbidity	NTU	5.3	7.8	8.5	9.1	11.6	9.1	11.7	11.1	9.3	8.8	7.7	7.5	7.8
Marine Aquatic Life														
Arsenic (As)	ug/L	1.2			<1			2.8			<1			<1
Cadmium (Cd)	ug/L	<0.2			<0.2			<0.2			<0.2			<0.2
Chromium VI (Cr)	ug/L	1			2			1			3			8
Copper (Cu)	ug/L	<20			<20			23			22			<20
Lead (Pb)	ug/L	0.3			0.4			<0.2			0.3			1
Mercury (Hg)	ug/L	<0.2			<0.2			0.3			<0.2			<0.2
Nickel (Ni)	ug/L	4			4			3			4			4
Selenium (Se)	ug/L				3.2						2.4			
Silver (Ag)	ug/L	<1.0			<1.0			<1.0			<1.0			<1.0
Zinc (Zn)	ug/L	<20			<20			<20			29			<20
Cyanide	ug/L	<5.0			<5.0			<5.0			7			<5.0
Residual Chlorine	mg/L	0.05	0.06	0.05	0.07	0.04	0.03	0.04	0.02	0.02	0.04	0.04	0.06	0.06
Ammonia-N	mg/L	19	19	19	22	19	18	19	21	18	22	16	16	17
Acute Toxicity	TUa													
Chronic Toxicity (Survival)	TUc	17.86	17.86	17.86	17.86	17.86	17.86	17.86	17.86	17.86	17.86	17.86	17.86	17.86
Chronic Toxicity (Growth)	TUc	17.86	17.86	17.86	17.86	17.86	17.86	17.86	17.86	17.86	17.86	17.86	17.86	17.86
Non-Chlorinated Phenolic Compounds	ug/L	<0.6			<0.6			<0.6			<0.6			<0.6
Chlorinated Phenolic Compounds	ug/L	0.114			0.2824			0.11			0.0892			0.096
Endosulfan	ug/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

Attachment K
Derivations of Reasonable Potential Analyses and Performance Goals
Oxnard Wastewater Treatment Plant
(CA0054097, CI-2022)

Constituents	units	Nov-05	Dec-05	Jan-06	Feb-06	Mar-06	Apr-06	May-06	Jun-06	Jul-06	Aug-06	Sep-06	Oct-06	Nov-06
Endrin	ug/L	<0.001			<0.001			<0.001			<0.001			<0.001
HCH	ug/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Radioactivity														
Human Health - Noncarcinogens														
Acrolein	ug/L				<2						<2			
Antimony	ug/L				<1						<1			
Bis (2-Chloroethoxy) methane	ug/L	<0.05			<0.05			<0.05			<0.05			<0.05
Bis (2-Chloroisopropyl) ether	ug/L	<0.05			<0.05			<0.05			<0.05			<0.05
Chlorobenzene	ug/L				<0.5						<0.5			
Chromium III (Cr)	ug/L													
Di-n-Butyl Phthalate	ug/L	0.0683			0.151			0.126			0.242			0.125
Dichlorobenzene	ug/L	<0.02			<0.02			<0.02			<0.02			<0.02
Diethyl phthalate	ug/L	0.0422			0.108			0.106			0.014			0.116
Dimethyl phthalate	ug/L	0.0279			0.142			0.106			0.0823			0.0065
4,6-dinitro-2-methylphenol	ug/L	<0.1			<0.1			<0.1			<0.1			<0.1
2,4-dinitrophenol	ug/L	<0.1			<0.1			<0.1			<0.1			<0.1
Ethylbenzene	ug/L				<0.5						<0.5			
Fluoranthene	ug/L	<0.001			0.0028			0.0059			0.0294			0.033
Hexachlorocyclopentadiene	ug/L	<0.05			<0.05			<0.05			<0.05			<0.05
Nitrobenzene	ug/L	<0.05			<0.05			<0.05			<0.05			<0.05
Thallium	ug/L				<0.2						<0.2			
Toluene	ug/L				<0.5						<0.5			
Tributyltin	ug/L				<0.002									
1,1,1-trichloroethane	ug/L				<0.5						<0.5			
Human Health - Carcinogens														
Acrylonitrile	ug/L	<2			<2			<2			<2			<2
Aldrin	ug/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Benzene	ug/L				<0.5						<0.5			
Benzidine	ug/L	<0.05			<0.05			<0.05			<0.05			<0.05
Beryllium (Be)	ug/L				<0.2						<0.2			
Bis (2-Chloroethyl) ether	ug/L	<0.05			<0.05			<0.05			<0.05			<0.05
Bis(2-ethylhexyl)-phthalate	ug/L	0.297			0.66			0.707			0.858			0.721
Carbon tetrachloride	ug/L				<0.5						<0.5			
Chlordane	ug/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

Attachment K
Derivations of Reasonable Potential Analyses and Performance Goals
Oxnard Wastewater Treatment Plant
(CA0054097, CI-2022)

Constituents	units	Nov-05	Dec-05	Jan-06	Feb-06	Mar-06	Apr-06	May-06	Jun-06	Jul-06	Aug-06	Sep-06	Oct-06	Nov-06
Chlorodibromomethane	ug/L				1.25						<0.5			
Chloroform	ug/L				0.264						0.348			
DDT	ug/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,4-Dichlorobenzene	ug/L	0.605			0.914			0.574			0.532			0.232
3,3'-Dichlorobenzidine	ug/L	<0.05			<0.05			<0.05			<0.05			<0.05
1,2-dichloroethane	ug/L				<0.5						<0.5			
1,1-dichloroethylene	ug/L				<0.5						<0.5			
Dichlorobromomethane	ug/L				<0.5						<0.5			
Dichloromethane	ug/L				<0.5						<0.5			
1,3-dichloropropene	ug/L				<0.5						<0.5			
Dieldrin	ug/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2,4-Dinitrotolulene	ug/L	<0.05			<0.05			<0.05			<0.05			<0.05
1,2-Diphenylhydrazine	ug/L	<0.05			<0.05			<0.05			<0.05			<0.05
Halomethanes	ug/L				1.85*						<2			
Heptachlor	ug/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Heptachlor epoxide	ug/L	<0.001												
Hexachlorobenzene	ug/L	<0.001			<0.001			<0.001			<0.001			<0.001
Hexachlorobutadiene	ug/L	<0.05			<0.05			<0.05			<0.05			<0.05
Hexachloroethane	ug/L	<0.05			<0.05			<0.05			<0.05			<0.05
Isophorone	ug/L	<0.05			<0.05			<0.05			<0.05			<0.05
N-Nitrosodimethylamine	ug/L	<0.05			<0.05			<0.05			<0.05			<0.05
N-Nitrosodi-N-propylamine	ug/L	<0.05			<0.05			<0.05			<0.05			<0.05
N-Nitrosodiphenylamine	ug/L	<0.05			<0.05			<0.05			<0.05			<0.05
PAH	ug/L	<0.013			0.0153			0.0147			0.0243			0.1182
PCBs	ug/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
TCDD	ug/L	<2.4E-06			<1.0E-07						<3.7E-06			
1,1,1,2-tetrachloroethane	ug/L				<0.5						<0.5			
Tetrachloroethylene	ug/L				<0.5						<0.5			
Toxaphene	ug/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Trichloroethylene	ug/L				<0.5						<0.5			
1,1,2-trichloroethane	ug/L				<0.5						<0.5			
2,4,6-Trichlorophenol	ug/L	0.114			0.0704			0.11			0.0892			0.096
Vinyl chloride	ug/L				<0.5						<0.5			

Attachment K
Derivations of Reasonable Potential Analyses and Performance Goals
Oxnard Wastewater Treatment Plant
(CA0054097, CI-2022)

Constituents	units	Dec-06	Jan-07	Feb-07	Mar-07	Apr-07	May-07	Jun-07	Jul-07	Aug-07	Sep-07	Oct-07	Nov-07	Dec-07
Conventional/NonConventional (3a)	mg/L													
BOD	mg/L	15	15	14	13	14	17.1	13.7	15.8	16.1	14	13.8	16	18
Total Suspended Solids	mg/L	7	7	8	8	7	9	7	5	5	4	7	8	8
Oil & Grease	mg/L	<5	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Settleable Solids	ml/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total Coliform	MPN/100mL	71961	64000	81000	73000	75000	119323	78329	69084	36787	58310	69742	78000	74452
Fecal Coliform	MPN/100mL	3040	33000	13000	6700	3000	60940	4160	5340	33706	9020	33620	8100	10820
Enterococcus	MPN/100mL	2520	2400	5100	>16000	2100	5580	2480	5300	326	2040	5004	3100	9800
Nitrate-N	mg/L	2.43	0.2	2.51	0.75	1.25	1.75	1.8	0.94	0.53	1.92	0.61	0.92	0.53
Nitrite-N	mg/L	0.78	0.59	1.34	1.24	1.32	1.34	1.4	1.72	1.28	1.92	1.43	1.92	0.858
Organic-N	mg/L	<1.0	2.25	2.9	2.55	<1	3.8	1.45	3.7	2	2.65	3.25	5.4	3
pH		7.1	7.3	7.2	7.2	7.2	7.4	7.2	7.4	7.3	7.3	7.4	7.3	7.4
Temp	OC	21	22	22	22	22.5	24	25	26	26	26	25	24	22
Turbidity	NTU	6.6	7.1	5.9	5.2	3.8	5	4.4	4.9	4.7	4.4	4.7	4.8	4.9
Marine Aquatic Life														
Arsenic (As)	ug/L			<2			1.2		<1				4	
Cadmium (Cd)	ug/L			<0.2			<0.2		<0.2				<0.2	
Chromium VI (Cr)	ug/L			2			<1		<1				1	
Copper (Cu)	ug/L			10			26		28				10	
Lead (Pb)	ug/L			2.3			0.4		0.3				0.4	
Mercury (Hg)	ug/L			0.03			<0.2		<0.2				0.3	
Nickel (Ni)	ug/L			4			3		6				3	
Selenium (Se)	ug/L			2					2.8					
Silver (Ag)	ug/L			<1			<1		<1				<1	
Zinc (Zn)	ug/L			110			24		26				20	
Cyanide	ug/L			<5			<5		<5				<5	
Residual Chlorine	mg/L	0.04	0.03	0.02	0.02	0.02	0.06	0.03	0.03	0.04	0.05	0.05	0.03	0.03
Ammonia-N	mg/L	19	16.9	16.8	18.8	20.6	22.4	21	23.6	22.6	20.5	20.4	19	18
Acute Toxicity	TUa													
Chronic Toxicity (Survival)	TUc	17.86	17.86	17.86	17.86	17.86	17.86	17.86	17.86	17.86	17.86	17.86	17.86	17.86
Chronic Toxicity (Growth)	TUc	17.86	17.86	17.86	17.86	17.86	17.86	17.86	17.86	17.86	17.86	17.86	17.86	17.86
Non-Chlorinated Phenolic Compounds	ug/L			5			<5		<5				5	
Chlorinated Phenolic Compounds	ug/L			0.275			0.376		0.272				0.217	
Endosulfan	ug/L	<0.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001

Attachment K
Derivations of Reasonable Potential Analyses and Performance Goals
Oxnard Wastewater Treatment Plant
(CA0054097, CI-2022)

Constituents	units	Dec-06	Jan-07	Feb-07	Mar-07	Apr-07	May-07	Jun-07	Jul-07	Aug-07	Sep-07	Oct-07	Nov-07	Dec-07
Endrin	ug/L			<.001			<.001			<.001			<.001	
HCH	ug/L	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001
Radioactivity														
Human Health - Noncarcinogens														
Acrolein	ug/L			<5						<5				
Antimony	ug/L			<1						<1				
Bis (2-Chloroethoxy) methane	ug/L			<0.05			<0.05			<0.05			<0.05	
Bis (2-Chloroisopropyl) ether	ug/L			<0.05			<0.05			<0.05			<0.05	
Chlorobenzene	ug/L			<0.5						<0.5				
Chromium III (Cr)	ug/L													
Di-n-Butyl Phthalate	ug/L			0.326			0.11			0.147			0.099	
Dichlorobenzene	ug/L			0.241			0.153			0.122			0.075	
Diethyl phthalate	ug/L			0.085			0.052			<0.1			<0.1	
Dimethyl phthalate	ug/L			0.022			<.005			<0.005			<0.005	
4,6-dinitro-2-methylphenol	ug/L			<0.1			<0.1			<0.1			<0.1	
2,4-dinitrophenol	ug/L			<0.1			<0.1			<0.1			<0.1	
Ethylbenzene	ug/L			<0.5						<0.5				
Fluoranthene	ug/L			0.0042			0.004			0.036			0.0036	
Hexachlorocyclopentadiene	ug/L			<0.05			<0.05			<0.05			<0.05	
Nitrobenzene	ug/L			<0.05			<0.05			0.0252			<0.05	
Thallium	ug/L			<0.2						<0.2				
Toluene	ug/L			<0.5						<0.5				
Tributyltin	ug/L													
1,1,1-trichloroethane	ug/L			<0.5						<0.5				
Human Health - Carcinogens														
Acrylonitrile	ug/L			<2			<2			<2			<2	
Aldrin	ug/L	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001
Benzene	ug/L			<0.5						<0.5				
Benzidine	ug/L			<0.05			<0.05			<0.05			<0.05	
Beryllium (Be)	ug/L			<0.2						<0.2				
Bis (2-Chloroethyl) ether	ug/L			<0.05			<0.05			<0.05			<0.05	
Bis(2-ethylhexyl)-phthalate	ug/L			0.925			1.994			0.849			1.063	
Carbon tetrachloride	ug/L			<0.5						<0.5				
Chlordane	ug/L	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001

Attachment K
Derivations of Reasonable Potential Analyses and Performance Goals
Oxnard Wastewater Treatment Plant
(CA0054097, CI-2022)

Constituents	units	Dec-06	Jan-07	Feb-07	Mar-07	Apr-07	May-07	Jun-07	Jul-07	Aug-07	Sep-07	Oct-07	Nov-07	Dec-07
Chlorodibromomethane	ug/L			<0.5						<0.5				
Chloroform	ug/L			0.886						0.5				
DDT	ug/L	<0.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001
1,4-Dichlorobenzene	ug/L			<0.5			0.153			0.122			0.075	
3,3'-Dichlorobenzidine	ug/L			<0.05			<.05			<0.05			<0.05	
1,2-dichloroethane	ug/L			<0.5						<0.5				
1,1-dichloroethylene	ug/L			<0.5						<0.5				
Dichlorobromomethane	ug/L			<0.5						<0.5				
Dichloromethane	ug/L			<0.5						<0.5				
1,3-dichloropropene	ug/L			<0.5						<0.5				
Dieldrin	ug/L	<0.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001
2,4-Dinitrotolulene	ug/L			<0.05			<.05			<0.05			<0.05	
1,2-Diphenylhydrazine	ug/L			<0.05			<.05			<0.05			<0.05	
Halomethanes	ug/L			4.38						4				
Heptachlor	ug/L	<0.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001
Heptachlor epoxide	ug/L													
Hexachlorobenzene	ug/L			<.001			<.001			<.001			<.001	
Hexachlorobutadiene	ug/L			<0.05			<0.05			<0.05			<0.05	
Hexachloroethane	ug/L			<0.05			<0.05			<0.05			<0.05	
Isophorone	ug/L			<0.05			<0.05			<0.05			<0.05	
N-Nitrosodimethylamine	ug/L			<0.05			<0.05			<0.05			<0.05	
N-Nitrosodi-N-propylamine	ug/L			<0.05			<0.05			<0.05			<0.05	
N-Nitrosodiphenylamine	ug/L			<0.05			<0.05			<0.05			<0.05	
PAH	ug/L			0.09			0.072			0.097			0.0623	
PCBs	ug/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
TCDD	ug/L			<2.5E-06						<4.8E-06				
1,1,1,2-tetrachloroethane	ug/L			<0.5						<0.5				
Tetrachloroethylene	ug/L			<0.5						<0.5				
Toxaphene	ug/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Trichloroethylene	ug/L			<0.5						<0.5				
1,1,2-trichloroethane	ug/L			<0.5						<0.5				
2,4,6-Trichlorophenol	ug/L			0.102			0.192			0.136			0.071	
Vinyl chloride	ug/L			<0.5						<0.5				

Attachment K
Derivations of Reasonable Potential Analyses and Performance Goals
Oxnard Wastewater Treatment Plant
(CA0054097, CI-2022)

	Constituents	units	RP to Exceed WQO	% of Data Detected < 20%	ML	Final PG for Procedure 2 If % of Data Detected < 20%, then ML * 5	MEC	Co=UCB95/95	Dm	Co	Cs	PG UCB95/95
Conventional/NonConventional (3a)		mg/L										
	BOD	mg/L										
	Total Suspended Solids	mg/L										
	Oil & Grease	mg/L										
	Settleable Solids	ml/L										
	Total Coliform	MPN/100mL										
	Fecal Coliform	MPN/100mL										
	Enterococcus	MPN/100mL										
	Nitrate-N	mg/L										
	Nitrite-N	mg/L										
	Organic-N	mg/L										
	pH											
	Temp	0C										
	Turbidity	NTU										
Marine Aquatic Life												
	Arsenic (As)	ug/L	No	No	2		9.7	3.044	98	3.044	3	7.356
	Cadmium (Cd)	ug/L	No	Yes	0.2	1					0	0
	Chromium VI (Cr)	ug/L	No	No	5		8	0.0973	98	0.0973	0	9.6327
	Copper (Cu)	ug/L	No	No	0.5		32	2.3589	98	2.3589	2	37.5311
	Lead (Pb)	ug/L	No	No	0.5		33.2	0.233	98	0.233	0	23.067
	Mercury (Hg)	ug/L	No	No	0.5		0.3	0.0042	98	0.0042	0.0005	0.3668
	Nickel (Ni)	ug/L	No	No	1		20	0.1902	98	0.1902	0	18.8298
	Selenium (Se)	ug/L	No	No	2		4.9	0.0878	98	0.0878	0	8.6922
	Silver (Ag)	ug/L	No	Yes	0.2	1						
	Zinc (Zn)	ug/L	No	Yes	1	5						
	Cyanide	ug/L	No	Yes	5	25						
	Residual Chlorine	mg/L	No	No			0.1	0.9014	98	0.9014	0	89.2386
	Ammonia-N	mg/L	No	No			25.5	257.6393	98	257.6393	0	25506.2907
	Acute Toxicity	TUa	NA									
	Chronic Toxicity (Survival)	TUc	No	No			100	0.284	98	0.284	0	28.116
	Chronic Toxicity (Growth)	TUc	No	No			17.86	0.1804	98	0.1804	0	17.8596
	Non-Chlorinated Phenolic Compounds	ug/L	No	No			5	0.0672	98	0.0672	0	6.6528
	Chlorinated Phenolic Compounds	ug/L	No	No			0.416	0.005	98	0.005	0	0.495
	Endosulfan	ug/L	No	Yes	0.01	0.05						

Attachment K
Derivations of Reasonable Potential Analyses and Performance Goals
Oxnard Wastewater Treatment Plant
(CA0054097, CI-2022)

Constituents	units	RP to Exceed WQO	% of Data Detected < 20%	ML	Final PG for Procedure 2 If % of Data Detected < 20%, then ML * 5	MEC	Co=UCB95/95	Dm	Co	Cs	PG UCB95/95
Endrin	ug/L	No	Yes	0.01	0.05						
HCH	ug/L	No	Yes	0.02	0.1						
Radioactivity											
Human Health - Noncarcinogens											
Acrolein	ug/L	No	Yes	2	10						
Antimony	ug/L	No	Yes	0.5	2.5						
Bis (2-Chloroethoxy) methane	ug/L	No	Yes	5	25						
Bis (2-Chloroisopropyl) ether	ug/L	No	Yes	2	10						
Chlorobenzene	ug/L	No	Yes	0.5	2.5						
Chromium III (Cr)	ug/L	No									
Di-n-Butyl Phthalate	ug/L	No	No	10		0.326	0.004	98	0.004	0	0.396
Dichlorobenzene	ug/L	No	Yes	0.5	2.5						
Diethyl phthalate	ug/L	No	No	2		0.246	0.0032	98	0.0032	0	0.3168
Dimethyl phthalate	ug/L	No	Yes	2	10						
4,6-dinitro-2-methylphenol	ug/L	No	Yes	5	25						
2,4-dinitrophenol	ug/L	No	Yes	5	25						
Ethylbenzene	ug/L	No	Yes	0.5	2.5						
Fluoranthene	ug/L	No	Yes	0.05	0.25						
Hexachlorocyclopentadiene	ug/L	No	Yes	5	25						
Nitrobenzene	ug/L	No	Yes	1	5						
Thallium	ug/L	No	Yes	1	5						
Toluene	ug/L	No	No	0.5		0.6	0.0101	98	0.0101	0	0.9999
Tributyltin	ug/L	No	Yes			0.00263					
1,1,1-trichloroethane	ug/L	No	Yes	0.5	2.5						
Human Health - Carcinogens											
Acrylonitrile	ug/L	No	Yes	2	10						
Aldrin	ug/L	No	Yes	0.005	0.025						
Benzene	ug/L	No	Yes	0.5	2.5						
Benzidine	ug/L	inconclusive					inconclusive				
Beryllium (Be)	ug/L	No	Yes	0.5	2.5						
Bis (2-Chloroethyl) ether	ug/L	No	Yes	1	5						
Bis(2-ethylhexyl)-phthalate	ug/L	No	No	5		1.994	0.0225	98	0.0225	0	2.2275
Carbon tetrachloride	ug/L	No	Yes	0.5	2.5						
Chlordane	ug/L	No	Yes	0.1	0.5						

Attachment K
Derivations of Reasonable Potential Analyses and Performance Goals
Oxnard Wastewater Treatment Plant
(CA0054097, CI-2022)

Constituents	units	RP to Exceed WQO	% of Data Detected < 20%	ML	Final PG for Procedure 2 If % of Data Detected < 20%, then ML * 5	MEC	Co=UCB95/95	Dm	Co	Cs	PG UCB95/95
Chlorodibromomethane	ug/L	No	No	0.5		1.25	0.0231	98	0.0231	0	2.2869
Chloroform	ug/L	No	No	0.5		1.4	0.0307	98	0.0307	0	3.0393
DDT	ug/L	No	Yes	0.01	0.05						
1,4-Dichlorobenzene	ug/L	No	No	0.5		3	0.0363	98	0.0363	0	3.5937
3,3'-Dichlorobenzidine	ug/L	No	Yes	5	25						
1,2-dichloroethane	ug/L	No	Yes	0.5	2.5						
1,1-dichloroethylene	ug/L	No	Yes	0.5	2.5						
Dichlorobromomethane	ug/L	No	Yes	0.5	2.5						
Dichloromethane	ug/L	No	Yes	0.5	2.5						
1,3-dichloropropene	ug/L	No	Yes	0.5	2.5						
Dieldrin	ug/L	No	Yes	0.01	0.05						
2,4-Dinitrotolulene	ug/L	No	Yes	5	25						
1,2-Diphenylhydrazine	ug/L	No	Yes	1	5						
Halomethanes	ug/L	No	No			4.38	0.1186	98	0.1186	0	11.7414
Heptachlor	ug/L	No	Yes	0.01	0.05						
Heptachlor epoxide	ug/L	inconclusive					inconclusive				
Hexachlorobenzene	ug/L	No	Yes	1	5						
Hexachlorobutadiene	ug/L	No	Yes	1	5						
Hexachloroethane	ug/L	No	Yes	1	5						
Isophorone	ug/L	No	Yes	1	5						
N-Nitrosodimethylamine	ug/L	No	Yes	5	25						
N-Nitrosodi-N-propylamine	ug/L	No	Yes	5	25						
N-Nitrosodiphenylamine	ug/L	No	Yes	1	5						
PAH	ug/L	No	No			0.1182	0.0018	98	0.0018	0	0.1782
PCBs	ug/L	inconclusive					inconclusive				
TCDD	ug/L	inconclusive					inconclusive				
1,1,2,2-tetrachloroethane	ug/L	No	Yes	0.5	2.5						
Tetrachloroethylene	ug/L	No	Yes	0.5	2.5						
Toxaphene	ug/L	No	Yes	0.5	2.5						
Trichloroethylene	ug/L	No	Yes	0.5	2.5						
1,1,2-trichloroethane	ug/L	No	Yes	0.5	2.5						
2,4,6-Trichlorophenol	ug/L	No	Yes	10	50						
Vinyl chloride	ug/L	No	Yes	0.5	2.5						

Attachment K
Derivations of Reasonable Potential Analyses and Performance Goals
Oxnard Wastewater Treatment Plant
(CA0054097, CI-2022)

	Constituents	units	MEC<PG UCB95/95	Final PG for Procedure 1 If MEC<PG UCB95/95, then MEC as PG	Final PG for Procedure 1 If MEC>PG UCB95/95, then PG UCB95/95 as PG
	Conventional/NonConventional (3a)	mg/L			
	BOD	mg/L			
	Total Suspended Solids	mg/L			
	Oil & Grease	mg/L			
	Settleable Solids	ml/L			
	Total Coliform	MPN/100mL			
	Fecal Coliform	MPN/100mL			
	Enterococcus	MPN/100mL			
	Nitrate-N	mg/L			
	Nitrite-N	mg/L			
	Organic-N	mg/L			
	pH				
	Temp	0C			
	Turbidity	NTU			
	Marine Aquatic Life				
	Arsenic (As)	ug/L	No	7.356	
	Cadmium (Cd)	ug/L			
	Chromium VI (Cr)	ug/L	Yes		8
	Copper (Cu)	ug/L	Yes		32
	Lead (Pb)	ug/L	No	23.067	
	Mercury (Hg)	ug/L	Yes		0.3
	Nickel (Ni)	ug/L	No	18.8298	
	Selenium (Se)	ug/L	Yes		4.9
	Silver (Ag)	ug/L			
	Zinc (Zn)	ug/L			
	Cyanide	ug/L			
	Residual Chlorine	mg/L	Yes		0.1
	Ammonia-N	mg/L	Yes		25.5
	Acute Toxicity	TUa			
	Chronic Toxicity (Survival)	TUc	No	28.116	
	Chronic Toxicity (Growth)	TUc	No	17.86	
	Non-Chlorinated Phenolic Compounds	ug/L	Yes		5
	Chlorinated Phenolic Compounds	ug/L	Yes		0.416
	Endosulfan	ug/L			

Attachment K
Derivations of Reasonable Potential Analyses and Performance Goals
Oxnard Wastewater Treatment Plant
(CA0054097, CI-2022)

	Constituents	units	MEC<PG UCB95/95	Final PG for Procedure 1 If MEC<PG UCB95/95, then MEC as PG	Final PG for Procedure 1 If MEC>PG UCB95/95, then PG UCB95/95 as PG
	Endrin	ug/L			
	HCH	ug/L			
	Radioactivity				
	Human Health - Noncarcinogens				
	Acrolein	ug/L			
	Antimony	ug/L			
	Bis (2-Chloroethoxy) methane	ug/L			
	Bis (2-Chloroisopropyl) ether	ug/L			
	Chlorobenzene	ug/L			
	Chromium III (Cr)	ug/L			
	Di-n-Butyl Phthalate	ug/L	Yes		0.326
	Dichlorobenzene	ug/L			
	Diethyl phthalate	ug/L	Yes		0.246
	Dimethyl phthalate	ug/L			
	4,6-dinitro-2-methylphenol	ug/L			
	2,4-dinitrophenol	ug/L			
	Ethylbenzene	ug/L			
	Fluoranthene	ug/L			
	Hexachlorocyclopentadiene	ug/L			
	Nitrobenzene	ug/L			
	Thallium	ug/L			
	Toluene	ug/L	Yes		0.6
	Tributyltin	ug/L			
	1,1,1-trichloroethane	ug/L			
	Human Health - Carcinogens				
	Acrylonitrile	ug/L			
	Aldrin	ug/L			
	Benzene	ug/L			
	Benzidine	ug/L			
	Beryllium (Be)	ug/L			
	Bis (2-Chloroethyl) ether	ug/L			
	Bis(2-ethylhexyl)-phthalate	ug/L	Yes		1.994
	Carbon tetrachloride	ug/L			
	Chlordane	ug/L			

Attachment K
Derivations of Reasonable Potential Analyses and Performance Goals
Oxnard Wastewater Treatment Plant
(CA0054097, CI-2022)

Constituents	units	MEC<PG UCB95/95	Final PG for Procedure 1 If MEC<PG UCB95/95, then MEC as PG	Final PG for Procedure 1 If MEC>PG UCB95/95, then PG UCB95/95 as PG
Chlorodibromomethane	ug/L	Yes		1.25
Chloroform	ug/L	Yes		1.4
DDT	ug/L			
1,4-Dichlorobenzene	ug/L	Yes		3
3,3'-Dichlorobenzidine	ug/L			
1,2-dichloroethane	ug/L			
1,1-dichloroethylene	ug/L			
Dichlorobromomethane	ug/L			
Dichloromethane	ug/L			
1,3-dichloropropene	ug/L			
Dieldrin	ug/L			
2,4-Dinitrotolulene	ug/L			
1,2-Diphenylhydrazine	ug/L			
Halomethanes	ug/L	Yes		4.38
Heptachlor	ug/L			
Heptachlor epoxide	ug/L			
Hexachlorobenzene	ug/L			
Hexachlorobutadiene	ug/L			
Hexachloroethane	ug/L			
Isophorone	ug/L			
N-Nitrosodimethylamine	ug/L			
N-Nitrosodi-N-propylamine	ug/L			
N-Nitrosodiphenylamine	ug/L			
PAH	ug/L	Yes		0.097
PCBs	ug/L			
TCDD	ug/L			
1,1,1,2-tetrachloroethane	ug/L			
Tetrachloroethylene	ug/L			
Toxaphene	ug/L			
Trichloroethylene	ug/L			
1,1,2-trichloroethane	ug/L			
2,4,6-Trichlorophenol	ug/L			
Vinyl chloride	ug/L			