



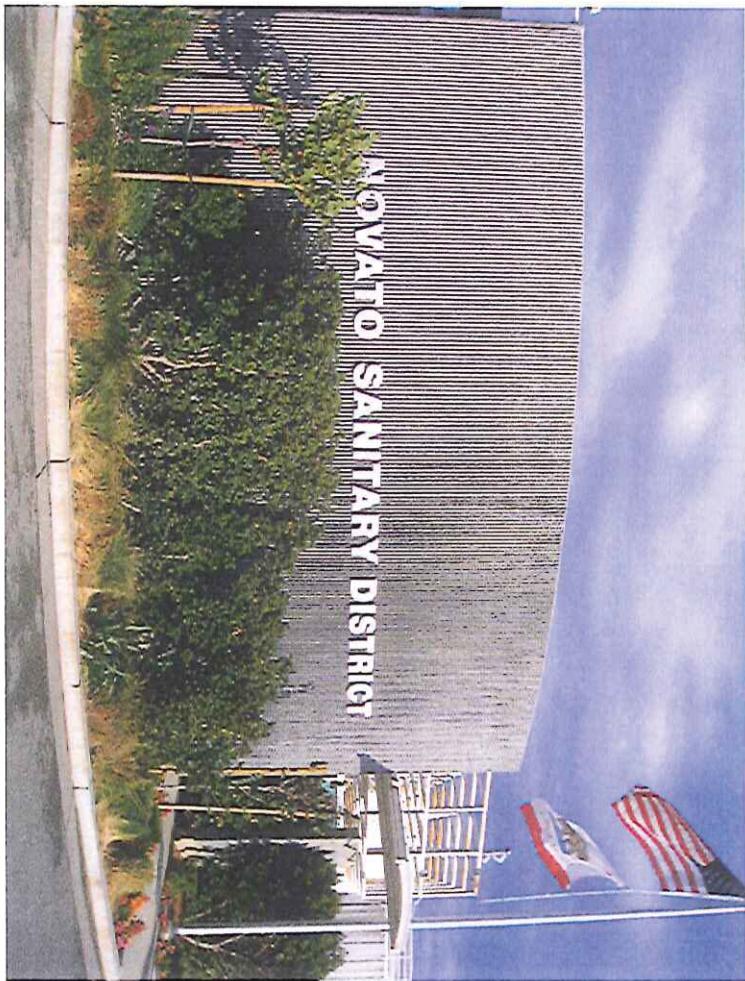
OCTOBER 2011

NOVATO SANITARY DISTRICT
VEOLIA WATER WEST OPERATING SERVICES

SELF MONITORING REPORT

SECTION III

APPENDICES



NOVATO SANITARY DISTRICT

Methyl Mercury Analysis

- ML (Minimum Level) is the concentration at which the entire analytical system must give a recognizable signal and acceptable calibration point. The ML is the concentration in a sample that is equivalent to the concentration of the lowest calibration standard. ML = RDL or RL.
 - MDL (Method Detection Limit) is the minimum concentration of a substance that can be measured and reported with 99 percent confidence that the concentration is greater than zero. (40CFR 136, Appendix B)
 - RDL or RL (Reporting Detection Limit) is the detection level that results from analyzing an actual sample, as reported on the monitoring report. The RDL reflects matrix interference's. J VALUE: A "J" flagged result reflects a value seen below the Reporting Limit (RL or RDL), but above the Method Detection Limit (MDL). ND = Not detected. 0 = No flags.
 - Low Matrix Spike Recover(ies) due to possible matrix interferences in the QC sample. QC batch accepted based on LCS results.

NOVATO SANITARY DISTRICT

SEMI-ANNUAL OCTOBER 2011, NOVATO EFFLUENT E-002 DIOXIN

GRAB SAMPLING

DATE	By
10/20/11	KB
Grab flow	5.4 MG

at 10:00 am

Date Sample Analyzed
10/28/11

CTR #	NAME OF CONGENER	Total 24-Hr. Daily Flow MG	ND or <	(1) Analytical Results pg/L	(2) Toxic Equivalency Factor	(3) Bioacc Equivalency Factor	(4) Toxic Equivalence (Column 1 X 2 X Column 3 Dioxin-TEQ)	DL ³ Sample Specific Estimated Detection pg/L	MDL ² Method Detection Limit pg/L	ML ¹ Minimum Level pg/L	USEPA Method Used
		TEF			BEF						
1	2,3,7,8,-Tetra CDD	4.10	ND	0	1	1	0	0.496	0.215	10	1613
2	1,2,3,7,8-Penta CDD	4.10	ND	0	1	0.9	0	0.685	0.317	50	1613
3	1,2,3,4,7,8-Hexa CDD	4.10	ND	0	0.1	0.3	0	0.932	0.326	50	1613
4	1,2,3,6,7,8-Hexa CDD	4.10	ND	0	0.1	0.1	0	1.00	0.424	50	1613
5	1,2,3,7,8,9-Hexa CDD	4.10	ND	0	0.1	0.1	0	0.938	0.367	50	1613
6	1,2,3,4,6,7,8-Hepta CDD	4.10	ND	0.00	0.01	0.05	0	1.73	0.497	50	1613
7	Octa CDD	4.10	J	10.3	0.0001	0.01	0.0000103		1.41	100	1613
8	2,3,7,8-Tetra CDF	4.10	ND	0	0.1	0.8	0	0.436	0.209	10	1613
9	1,2,3,7,8-Penta CDF	4.10	ND	0	0.05	0.2	0	0.605	0.235	50	1613
10	2,3,4,7,8-Penta CDF	4.10	ND	0	0.5	1.6	0	0.622	0.243	50	1613
11	1,2,3,4,7,8-Hexa CDF	4.10	ND	0	0.1	0.08	0	0.435	0.255	50	1613
12	1,2,3,6,7,8-Hexa CDF	4.10	ND	0	0.1	0.2	0	0.447	0.248	50	1613
13	1,2,3,7,8,9-Hexa CDF	4.10	ND	0	0.1	0.6	0	0.468	0.262	50	1613
14	2,3,4,6,7,8-HexaCDF	4.10	ND	0	0.01	0.7	0	0.627	0.258	50	1613
15	1,2,3,4,6,7,8-HepaCDF	4.10	ND	0.0	0.01	0.01	0	0.959	0.324	50	1613
16	1,2,3,4,7,8,9-HeptaCDF	4.10	ND	0	0.01	0.4	0	1.33	0.490	50	1613
	OCDF	4.10	ND	0.00	0.0001	0.02	0	3.18	0.805	100	1613

COLUMN (4) = SUM TOTAL OF COLUMN (1) TIMES COLUMN (2) TIMES COLUMN (3):

0.0000103

1. ML (Minimum Level) is the concentration at which the entire analytical system must give a recognizable signal and acceptable calibration point. The ML is the concentration in a sample that is equivalent to the concentration of the lowest calibration standard.

2. MDL (Method Detection Limit) is the minimum concentration of a substance that can be measured and reported with 99 percent confidence that the concentration is greater than zero. (40CFR 136, Appendix B)

3. DL (Detection Limit) is the detection level that results from analyzing an actual sample, as reported on the monitoring report. The DL reflects matrix interference's.

NOVATO SANITARY DISTRICT

OCTOBER 2011 - E-002- Organics Report for Priority Toxic Pollutants EPA 608

SAMPLING	DATE	TIME	Grab Flow
	10/20/11	1000	5.4

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CTR #	CONSTITUENT	DNQ	4	Analytical Results ug/L	RDL ³ Reporting Limit ug/L	MDL ² Method Detection Limit ug/L	ML ¹ Method Limit ug/L	USEPA Method Used	Sample Collection Method	Date Sample Analyzed	COMMENTS
102	Aldrin		ND		0.005	0.0040	0.005	608	Grab	11/4/2011	
103	alpha-BHC		ND		0.010	0.0050	0.010	608	Grab	11/4/2011	
104	beta-BHC		ND		0.005	0.0040	0.005	608	Grab	11/4/2011	
105	delta-BHC		ND		0.005	0.0040	0.005	608	Grab	11/4/2011	
106	gamma-BHC		ND		0.010	0.0040	0.010	608	Grab	11/4/2011	
107	Chlordane		ND		0.050	0.0050	0.050	608	Grab	11/4/2011	
108	4,4'-DDD		ND		0.010	0.0040	0.010	608	Grab	11/4/2011	
109	4,4'-DDE		ND		0.010	0.0030	0.010	608	Grab	11/4/2011	
110	4,4'-DDT		ND		0.010	0.0040	0.010	608	Grab	11/4/2011	
111	Dieldrin		ND		0.010	0.0040	0.010	608	Grab	11/4/2011	
112	Endosulfan I		ND		0.010	0.0040	0.010	608	Grab	11/4/2011	
113	Endosulfan II		ND		0.010	0.0050	0.010	608	Grab	11/4/2011	
114	Endosulfan Sulfate		ND		0.010	0.0050	0.010	608	Grab	11/4/2011	
115	Endrin		ND		0.010	0.0050	0.010	608	Grab	11/4/2011	
116	Endrin Aldehyde		ND		0.010	0.0050	0.010	608	Grab	11/4/2011	
117	Endrin Aldehyde		ND		0.010	0.0050	0.010	608	Grab	11/4/2011	
18	Heptachlor		ND		0.010	0.0050	0.010	608	Grab	11/4/2011	
119	Heptachlor Epoxide		ND		0.010	0.0040	0.010	608	Grab	11/4/2011	
120	Methoxychlor		ND		0.010	0.0050	0.010	608	Grab	11/4/2011	
121	PCB 1016		ND		0.10	0.050	0.10	608	Grab	11/4/2011	
122	PCB 1221		ND		0.10	0.050	0.10	608	Grab	11/4/2011	
123	PCB 1232		ND		0.10	0.050	0.10	608	Grab	11/4/2011	
124	PCB 1242		ND		0.10	0.040	0.10	608	Grab	11/4/2011	
125	PCB 1248		ND		0.10	0.050	0.10	608	Grab	11/4/2011	
126	PCB 1254		ND		0.10	0.050	0.10	608	Grab	11/4/2011	
127	PCB 1260		ND		0.10	0.050	0.10	608	Grab	11/4/2011	
128	Toxaphene		ND		0.5	0.20	0.5	608	Grab	11/4/2011	

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3. RDL (Reporting Detection Limit) is the detection level that results from analyzing an actual sample, as reported on the monitoring report. The RDL reflects matrix interference's.

4. DNQ (Detected, but not quantified) Result less than ML but greater or equal to MDL. An estimated concentration.

NOVATO SANITARY DISTRICT

October 2011-E-002- Organic Toxic Pollutants Sampling EPA 614

SAMPLED: 10/20/11		Total 24-Hr. Daily Flow MG	⁴ DNQ	Analytical Results ug/L	RDL ³ Reporting Limit ug/L	MDL ² Method Detection Limit ug/L	RL ¹ Method Limit ug/L	USEPA Method Used	Sample Collection Method	Date Sample Analyzed	COMMENTS
CTR #	CONSTITUENT										
	Azinphos methyl (Guthion)	4.10	ND	0.1	0.04	2.0	614	Comp.	11/9/2011		
128	Chloropyrifos (Dursban)	4.10	ND	0.01	0.0005	0.05	614	Comp.	11/9/2011		
	Demeton-Oand -S	4.10	ND	0.1	0.02	0.5	614	Comp.	11/9/2011		
129	Diazion	4.10	ND	0.02	0.007	0.05	614	Comp.	11/9/2011		
	Disulfoton (Di-Syston)	4.10	ND	0.1	0.080	0.5	614	Comp.	11/9/2011		
	Ethion	4.10	ND	0.02	0.01	0.5	614	Comp.	11/9/2011		
	Malathion	4.10	ND	0.05	0.008	0.5	614	Comp.	11/9/2011		
	Parathion (Parathion ethyl)	4.10	ND	0.05	0.01	0.5	614	Comp.	11/9/2011		
	Parathion methyl	4.10	ND	0.1	0.06	0.5	614	Comp.	11/9/2011		
	Thiobencarb	4.10	ND	0.05	0.008	0.2	614	Comp.	11/9/2011		

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NOVATO SANITARY DISTRICT

OCTOBER 2011- NOVATO PLANT EFFLUENT E-002 - Organics Report for Priority Toxic Pollutants

SAMPLING DATE		TIME	800	1000	1200	1400
10/20/11		Grab Flow	3.58	5.2	4.8	5.1

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CTR #	CONSTITUENT	DNQ	Analytical Results ug/L	RDL ³ Reporting Limit ug/L	MDL ² Method Detection Limit ug/L	ML ¹ Method Limit ug/L	USEPA Method Used	Sample Collection Method	Date Sample Analyzed	COMMENTS
15	Asbestos		Not Required							
16	2,3,7,8-TCDD (Dioxin)									
17	Acrolein		ND	5	1.7	5	624	Grab	10/21/2011	
18	Acrylonitrile		ND	2.0	0.69	2	624	Grab	10/21/2011	
19	Benzene		ND	0.5	0.18	0.5	624	Grab	10/21/2011	
20	Bromoform		ND	0.5	0.15	0.5	624	Grab	10/21/2011	
21	Carbon Tetrachloride		ND	0.5	0.16	0.5	624	Grab	10/21/2011	
22	Chlorobenzene		ND	0.5	0.18	0.5	624	Grab	10/21/2011	
23	Chlorodibromomethane		ND	0.5	0.17	0.5	624	Grab	10/21/2011	
24	Chloroethane		ND	0.5	0.38	0.5	624	Grab	10/21/2011	
25	2-Chloroethylvinyl Ether		ND	1.0	0.28	1	624	Grab	10/21/2011	
26	Chloroform	J	0.3	0.5	0.19	0.5	624	Grab	10/21/2011	
27	Dichlorobromomethane		ND	0.5	0.17	0.5	624	Grab	10/21/2011	Bromodichlormethane
28	1,1-Dichloroethane		ND	0.5	0.19	0.5	624	Grab	10/21/2011	
29	1,2-Dichloroethane		ND	0.5	0.18	0.5	624	Grab	10/21/2011	
30	1,1-Dichlorethane		ND	0.5	0.21	0.5	624	Grab	10/21/2011	
31	1,2-Dichloropropane		ND	0.5	0.18	0.5	624	Grab	10/21/2011	
32	1,3-Dichloropropene		ND	0.5	0.16	0.5	624	Grab	10/21/2011	1,3-Dichloropropylene
33	Ethylbenzene		ND	0.5	0.26	0.5	624	Grab	10/21/2011	
34	Methyl Bromide		ND	0.5	0.17	0.5	624	Grab	10/21/2011	
35	Methyl Chloride		ND	0.5	0.23	0.5	624	Grab	10/21/2011	Chloromethane
36	Methylene Chloride		ND	0.5	0.20	0.5	624	Grab	10/21/2011	
37	1,1,2,2-Tetachloroethane		ND	0.5	0.10	0.5	624	Grab	10/21/2011	
38	Tetrachloroethene (PCE)		ND	0.5	0.19	0.5	624	Grab	10/21/2011	
39	Toluene		ND	0.5	0.19	0.5	624	Grab	10/21/2011	

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NOVATO SANITARY DISTRICT

OCTOBER 2011- NOVATO PLANT EFFLUENT E-002 - Organics Report for Priority Toxic Pollutants

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CTR #	CONSTITUENT	DNQ	Analytical Results ug/L	RDL ³ Reporting Limit ug/L	MDL ² Method Detection Limit ug/L	ML ¹ Method Limit ug/L	USEPA Method Used	Sample Collection Method	Date Sample Analyzed	COMMENTS
40	1,2-Dichloroethene		ND	0.5	0.22	0.5	624	Grab	10/21/2011	1,2-Trans-Dichlorethane
41	1,1,1-Trichloroethane		ND	0.5	0.19	0.5	624	Grab	10/21/2011	
42	1,1,2-Trichloroethane		ND	0.5	0.16	0.5	624	Grab	10/21/2011	
43	Trichloroethene (TCE)		ND	0.5	0.20	0.5	624	Grab	10/21/2011	
44	Vinyl Chloride		ND	0.5	0.25	0.5	624	Grab	10/21/2011	
45	2-Chlorophenol		ND	2.0	0.98	2.0	625	Grab	11/7/2011	
46	2,4-Dichlorophenol		ND	1.0	0.99	1.0	625	Grab	11/7/2011	
47	2,4-Dimethylphenol		ND	2.0	0.68	2.0	625	Grab	11/7/2011	
48	2-Methyl-4,6-Dinitrophenol		ND	5.0	0.91	5.0	625	Grab	11/7/2011	
49	2,4-Dinitrophenol		ND	5.0	0.83	5.0	625	Grab	11/7/2011	
50	2-Nitrophenol		ND	5.0	0.89	5.0	625	Grab	11/7/2011	
51	4-Nitrophenol		ND	5.0	0.65	5.0	625	Grab	11/7/2011	
52	3-Methyl-4-Chlorophenol		ND	1.0	0.91	1.0	625	Grab	11/7/2011	
53	Pentachlorophenol		ND	1.0	0.64	1.0	625	Grab	11/7/2011	
54	Phenol		ND	1.0	0.69	1.0	625	Grab	11/7/2011	
55	2,4,6-Trichlorophenol		ND	5.0	0.97	5.0	625	Grab	11/7/2011	
56	Acenaphthene		ND	0.3	0.030	0.3	625	Grab	11/7/2011	
57	Acenaphthylene		ND	0.2	0.030	0.2	625	Grab	11/7/2011	
58	Anthracene		ND	0.3	0.030	0.3	625	Grab	11/7/2011	
59	Benzidine		ND	5.0	5.0	5	625	Grab	11/7/2011	
60	Benzo(a)Anthracene		ND	0.3	0.030	0.3	625	Grab	11/7/2011	
61	Benzo(a)Pyrene		ND	0.3	0.030	0.3	625	Grab	11/7/2011	
62	Benzo(b)Fluoranthene		ND	0.3	0.030	0.3	625	Grab	11/7/2011	
63	Benzo(ghi)Perylene		ND	0.1	0.030	0.1	625	Grab	11/7/2011	
64	Benzo(k)Fluoranthene		ND	0.3	0.030	0.3	625	Grab	11/7/2011	
65	Bis(2-Chloroethoxy) Methane		ND	5.0	0.93	5.0	625	Grab	11/7/2011	
66	Bis(2-Chloroethyl) Ether		ND	1.0	0.95	1.0	625	Grab	11/7/2011	
67	Bis(2-Chloroisopropyl) Ether		ND	2.0	0.81	2.0	625	Grab	11/7/2011	
68	Bis(2-Ethylhexyl) Phthalate		ND	3.0	0.95	5.0	625	Grab	11/7/2011	
69	4-Bromophenyl Phenyl Ether		ND	5.0	0.97	5.0	625	Grab	11/7/2011	
70	Benzylbutylphthalate		ND	5.0	0.98	5.0	625	Grab	11/7/2011	
71	2-Chloronaphthalene		ND	5.0	0.98	5.0	625	Grab	11/7/2011	
72	4-Chlorophenyl Phenyl Ether		ND	5.0	0.99	5.0	625	Grab	11/7/2011	
73	Chrysene		ND	0.3	0.030	0.3	625	Grab	11/7/2011	

NOVATO SANITARY DISTRICT

OCTOBER 2011- NOVATO PLANT EFFLUENT E-002 - Organics Report for Priority Toxic Pollutants

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CTR #	CONSTITUENT	⁴ DNQ	Analytical Results ug/L	RDL ³ Reporting Limit ug/L	MDL ² Method Detection Limit ug/L	ML ¹ Method Limit ug/L	USEPA Method Used	Sample Collection Method	Date Sample Analyzed	COMMENTS
74	Dibenzo(a,h) Anthracene		ND	0.1	0.030	0.1	625	Grab	11/7/2011	
75	1,2-Dichlorobenzene		ND	0.5	0.27	0.5	624	Grab	10/21/2011	
76	1,3-Dichlorobenzene		ND	0.5	0.18	0.5	624	Grab	10/21/2011	
77	1,4-Dichlorobenzene		ND	0.5	0.18	0.5	624	Grab	10/21/2011	
78	3,3'-Dichlorobenzidine		ND	5.0	5.0	5.0	625	Grab	11/7/2011	
79	Diethyl Phthalate		ND	2.0	0.86	2.0	625	Grab	11/7/2011	
80	Dimethyl Phthalate		ND	2.0	0.97	2.0	625	Grab	11/7/2011	
81	Di-n-Butyl Phthalate		ND	5.0	0.91	5.0	625	Grab	11/7/2011	
82	2,4-Dinitrotoluene		ND	5.0	0.96	5.0	625	Grab	11/7/2011	
83	2,6-Dinitrotoluene		ND	5.0	0.98	5.0	625	Grab	11/7/2011	
84	Di-n-Octyl Phthalate		ND	5.0	0.92	5.0	625	Grab	11/7/2011	
85	1,2-Diphenylhydrazine		ND	1.0	0.71	0.90	625	Grab	11/7/2011	
86	Fluoranthene		ND	0.05	0.030	0.05	625	Grab	11/7/2011	
87	Fluorene		ND	0.1	0.024	0.1	625	Grab	11/7/2011	
88	Hexachlorobenzene		ND	1.0	0.91	1.0	625	Grab	11/7/2011	
89	Hexachlorobutadiene		ND	1.0	0.92	1.0	625	Grab	11/7/2011	
90	Hexachlorocyclopentadiene		ND	1.0	0.90	5.0	625	Grab	11/7/2011	
91	Hexachloroethane		ND	1.0	0.94	1.0	625	Grab	11/7/2011	
92	Indeno(1,2,3-cd) Pyrene		ND	0.05	0.030	0.05	625	Grab	11/7/2011	
93	Isophorone		ND	1.0	0.93	1.00	625	Grab	11/7/2011	
94	Naphthalene	J	0.03	0.2	0.030	0.20	625	Grab	11/7/2011	
95	Nitrobenzene		ND	1.00	0.95	1.00	625	Grab	11/7/2011	
96	N-Nitrosodimethylamine		ND	5.00	0.88	5.00	625	Grab	11/7/2011	
97	N-Nitrosodi-n-propylamine		ND	5.00	0.97	5.00	625	Grab	11/7/2011	
98	N-Nitrosodiphenylamine		ND	1.0	0.83	1.00	625	Grab	11/7/2011	
99	Phenanthrene		ND	0.05	0.030	0.05	625	Grab	11/7/2011	
100	Pyrene		ND	0.05	0.030	0.50	625	Grab	11/7/2011	
101	1,2,4-Trichlorobenzene		ND	5.0	0.98	5.0	625	Grab	11/7/2011	
102	MTBE	J	0.2	0.50	0.15	0.50	624	Grab	10/21/2011	
103	Total Phenols	J	2.3	5.0	2.0	5.0	420.4	Grab	10/26/2011	

NOVATO SANITARY DISTRICT

OCTOBER 2011 - A-002- Organics Report for Priority Toxic Pollutants EPA 608

SAMPLING

Date	TIME	Grab Flow
10/19/11	1000	5.4

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CTR #	CONSTITUENT	DNQ	Analytical Results ug/L	RDL ³	MDL ²	ML ¹	USEPA Method Used	Sample Collection Method	Date Sample Analyzed	COMMENTS
				Reporting Limit ug/L	Method Detection Limit ug/L	Method Limit ug/L				
102	Aldrin		ND	0.05	0.008	0.05	608	Grab	11/4/2011	
103	alpha-BHC		ND	0.05	0.010	0.05	608	Grab	11/4/2011	
104	beta-BHC		ND	0.05	0.008	0.05	608	Grab	11/4/2011	
105	delta-BHC		ND	0.05	0.008	0.05	608	Grab	11/4/2011	
106	gamma-BHC		ND	0.05	0.008	0.05	608	Grab	11/4/2011	
107	Chlordane		ND	0.50	0.010	0.50	608	Grab	11/4/2011	
108	4,4'-DDD		ND	0.10	0.008	0.10	608	Grab	11/4/2011	
109	4,4'-DDE		ND	0.10	0.006	0.10	608	Grab	11/4/2011	
110	4,4'-DDT		ND	0.10	0.008	0.10	608	Grab	11/4/2011	
111	Dieldrin		ND	0.10	0.008	0.10	608	Grab	11/4/2011	
112	Endosulfan I		ND	0.05	0.008	0.05	608	Grab	11/4/2011	
113	Endosulfan II		ND	0.10	0.010	0.10	608	Grab	11/4/2011	
114	Endosulfan Sulfate		ND	0.10	0.010	0.10	608	Grab	11/4/2011	
115	Endrin		ND	0.10	0.010	0.10	608	Grab	11/4/2011	
116	Endrin Aldehyde		ND	0.05	0.010	0.05	608	Grab	11/4/2011	
117	Endrin Ketone		ND	0.10	0.010	0.10	608	Grab	11/4/2011	
118	Heptachlor		ND	0.05	0.010	0.05	608	Grab	11/4/2011	
119	Heptachlor Epoxide		ND	0.05	0.008	0.05	608	Grab	11/4/2011	
120	Methoxychlor		ND	0.50	0.010	0.50	608	Grab	11/4/2011	
121	PCB 1016		ND	0.20	0.100	0.20	608	Grab	11/4/2011	
122	PCB 1221		ND	0.20	0.100	0.20	608	Grab	11/4/2011	
123	PCB 1232		ND	0.20	0.100	0.20	608	Grab	11/4/2011	
124	PCB 1242		ND	0.20	0.080	0.20	608	Grab	11/4/2011	
125	PCB 1248		ND	0.20	0.100	0.20	608	Grab	11/4/2011	
126	PCB 1254		ND	0.20	0.100	0.20	608	Grab	11/4/2011	
127	PCB 1260		ND	0.20	0.100	0.20	608	Grab	11/4/2011	
128	Toxaphene		ND	1.00	0.400	1.00	608	Grab	11/4/2011	

1. ML (Minimum Level) is the concentration at which the entire analytical system must give a recognizable signal and acceptable calibration point. The ML is the concentration in a sample that is equivalent to the concentration of the lowest calibration standard. ML = RDL = RL

2. MDL (Method Detection Limit) is the minimum concentration of a substance that can be measured and reported with 99 percent confidence that the concentration is greater than zero. (40CFR 136, Appendix B)

3. RDL (Reporting Detection Limit) is the detection level that results from analyzing an actual sample, as reported on the monitoring report. The RDL reflects matrix interference's.

4. DNQ (Detected, but not quantified) Result less than ML but greater or equal to MDL. An estimated concentration.

NOVATO SANITARY DISTRICT

OCTOBER 2011 - Novato Influent- Organics Report for Priority Toxic Pollutants

SAMPLING DATE	By	TIME	800	1000	1200	1400
10/19/11	KB	Grab Flow MG	4.9	6.1	5.4	3.9

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CTR #	CONSTITUENT	DNQ	Analytical Results ug/L	RDL ³ Reporting Limit ug/L	MDL ² Method Detection Limit ug/L	ML ¹ Method Limit ug/L	USEPA Method Used	Sample Collection Method	Date Sample Analyzed	COMMENTS
15	Asbestos		Not Required							
16	2,3,7,8-TCDD (Dioxin)		ND							
17	Acrolein		ND	20	8.5	20	624	Grab	10/26/2011	
18	Acrylonitrile		ND	10	3.4	10	624	Grab	10/26/2011	
19	Benzene		ND	2.5	0.9	2.5	624	Grab	10/26/2011	
20	Bromoform		ND	2.5	0.75	2.5	624	Grab	10/26/2011	
21	Carbon Tetrachloride		ND	2.5	0.8	2.5	624	Grab	10/26/2011	
22	Chlorobenzene		ND	2.5	0.9	2.5	624	Grab	10/26/2011	
23	Chlorodibromomethane		ND	2.5	0.85	2.5	624	Grab	10/26/2011	
24	Chloroethane		ND	2.5	1.9	2.5	624	Grab	10/26/2011	
25	2-Chloroethylvinyl Ether		ND	5.0	1.4	5.0	624	Grab	10/26/2011	
26	Chloroform		2.6	2.5	0.95	2.5	624	Grab	10/26/2011	
27	Dichlorobromomethane		ND	2.5	0.85	2.5	624	Grab	10/26/2011	Bromodichloromethane
28	1,1-Dichloroethane		ND	2.5	0.95	2.5	624	Grab	10/26/2011	
29	1,2-Dichloroethane		ND	2.5	0.9	2.5	624	Grab	10/26/2011	
30	1,1-Dichloroethene		ND	2.5	1.0	2.5	624	Grab	10/26/2011	
31	1,2-Dichloropropane		ND	2.5	0.9	2.5	624	Grab	10/26/2011	
32	1,3-Dichloropropene		ND	2.5	1.4	2.5	624	Grab	10/26/2011	1,3-Dichloropropylene
33	Ethylbenzene		ND	2.5	1.30	2.5	624	Grab	10/26/2011	
34	Bromomethane		ND	2.5	0.85	2.5	624	Grab	10/26/2011	
35	Chloromethane		ND	2.5	1.2	2.5	624	Grab	10/26/2011	
36	Methylene Chloride		ND	3.0	1	2.5	624	Grab	10/26/2011	
37	1,1,2,2-Tetachloroethane		ND	2.5	0.5	2.5	624	Grab	10/26/2011	
38	Tetrachloroethene (PCE)		ND	2.5	0.95	2.5	624	Grab	10/26/2011	
39	Toluene		ND	2.5	0.95	2.5	624	Grab	10/26/2011	

1. ML (Minimum Level) is the concentration at which the entire analytical system must give a recognizable signal and acceptable calibration point. The ML is the concentration in a sample that is equivalent to the concentration of the lowest calibration standard. ML = RDL = RL

2. MDL (Method Detection Limit) is the minimum concentration of a substance that can be measured and reported with 99 percent confidence that the concentration is greater than zero. (40CFR 136, Appendix B)

3. RDL (Reporting Detection Limit) is the detection level that results from analyzing an actual sample, as reported on the monitoring report. The RDL reflects matrix interference's.

4. DNQ (Detected, but not quantified) Result less than ML but greater or equal to MDL. An estimated concentration.

NOT REPORTED: Contract lab failed to analyze analyzed.

NOVATO SANITARY DISTRICT

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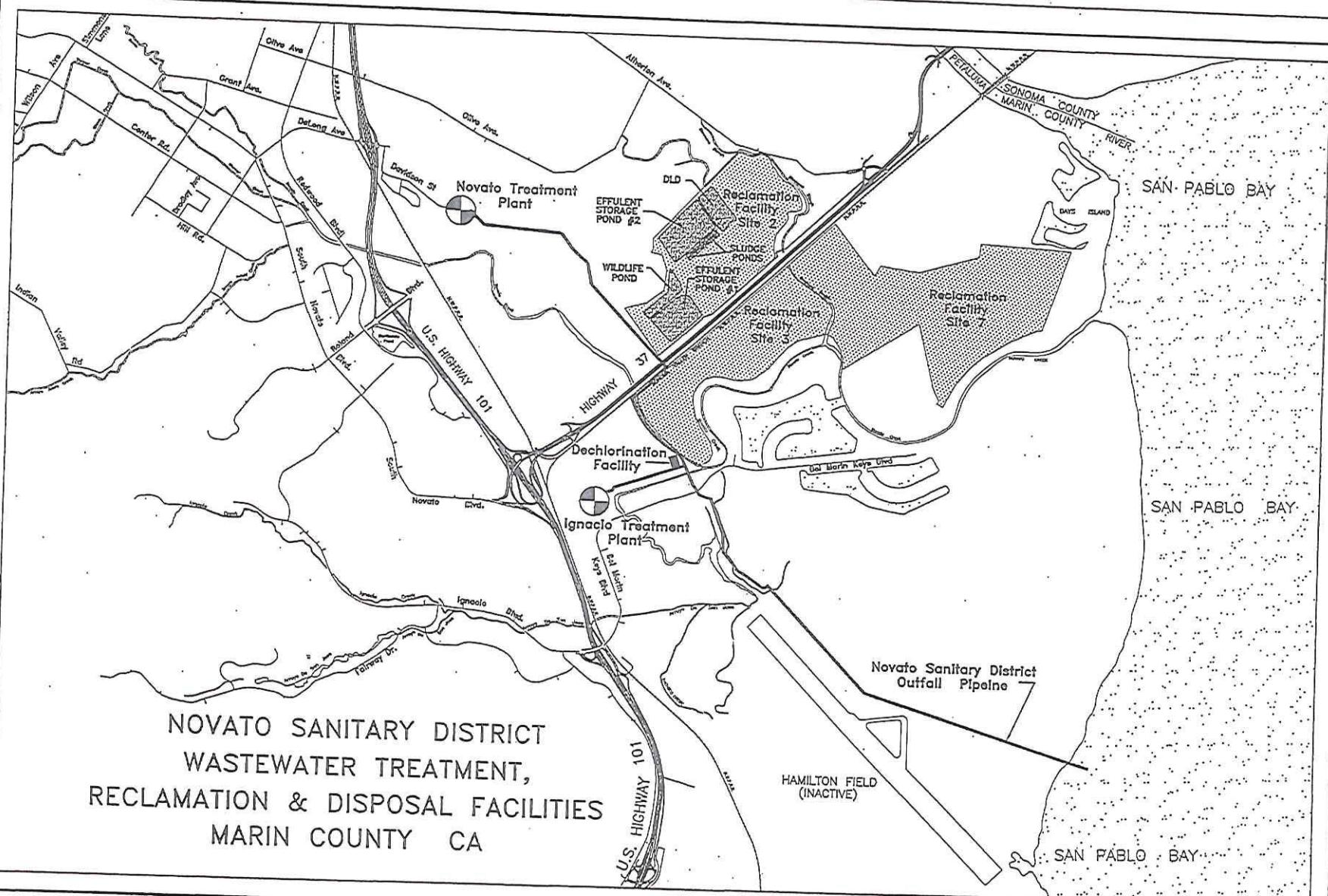
CTR #	CONSTITUENT	⁴ DNQ	Analytical Results ug/L	RDL ³ Reporting Limit ug/L	MDL ² Method Detection Limit ug/L	ML ¹ Method Limit ug/L	USEPA Method Used	Sample Collection Method	Date Sample Analyzed	COMMENTS
40	1,2-Dichloroethene		ND	2.5	1.20	2.5	624	Grab	10/26/2011	1,2-Trans-Dichloroethene
41	1,1,1-Trichloroethane		ND	2.5	0.95	2.5	624	Grab	10/26/2011	
42	1,1,2-Trichloroethane		ND	2.5	0.8	2.5	624	Grab	10/26/2011	
43	Trichloroethene (TCE)		ND	2.5	1	2.5	624	Grab	10/26/2011	
44	Vinyl Chloride		ND	2.5	1.2	2.5	624	Grab	10/26/2011	
45	2-Chlorophenol		ND	7.5	3.7	10	625	Grab	11/6/2011	
46	2,4-Dichlorophenol		ND	5.0	3.7	5.0	625	Grab	11/6/2011	
47	2,4-Dimethylphenol		ND	7.5	3.3	10.0	625	Grab	11/6/2011	
48	2-Methyl-4,6-Dinitrophenol		ND	7.5	3.4	10.0	625	Grab	11/6/2011	
49	2,4-Dinitrophenol		ND	7.5	3.1	10.0	625	Grab	11/6/2011	
50	2-Nitrophenol		ND	7.5	3.3	10.0	625	Grab	11/6/2011	
51	4-Nitrophenol		ND	5.0	3.1	5.0	625	Grab	11/6/2011	
52	3-Methyl-4-Chlorophenol		ND	5.0	3.4	5.0	625	Grab	11/6/2011	
53	Pentachlorophenol		ND	5.0	3.0	5.0	625	Grab	11/6/2011	
54	Phenol		7.8	5.0	3.4	5.0	625	Grab	11/6/2011	
55	2,4,6-Trichlorophenol			ND	7.5	3.6	10.0	625	Grab	11/6/2011
56	Acenaphthene		ND	5.0	0.1	1.0	625+PAH	Grab	11/6/2011	
57	Acenaphthylene		ND	5.0	0.11	1.0	625+PAH	Grab	11/6/2011	
58	Anthracene		ND	5.0	0.11	1.0	625+PAH	Grab	11/6/2011	
59	Benzidine		ND	19.0	19.0	25.0	625	Grab	11/6/2011	
60	Benzo(a)Anthracene		ND	5.0	0.11	1.0	625+PAH	Grab	11/6/2011	
61	Benzo(a)Pyrene		ND	5.0	0.11	1.0	625+PAH	Grab	11/6/2011	
62	Benzo(b)Fluoranthene		ND	5.0	0.11	1.00	625+PAH	Grab	11/6/2011	
63	Benzo(ghi)Perylene		ND	5.0	0.11	1.00	625+PAH	Grab	11/6/2011	
64	Benzo(k)Fluoranthene		ND	5.0	0.11	1.00	625+PAH	Grab	11/6/2011	
65	Bis(2-Chloroethoxy) Methane		ND	5.0	3.5	5.0	625	Grab	11/6/2011	
66	Bis(2-Chloroethyl) Ether		ND	5.0	3.6	5.0	625	Grab	11/6/2011	
67	Bis(2-Chloroisopropyl) Ether		ND	5.0	3.0	5.0	625	Grab	11/6/2011	
68	Bis(2-Ethylhexyl) Phthalate		13	5.0	4.8	5.0	625	Grab	11/6/2011	
69	4-Bromophenyl Phenyl Ether			ND	7.5	3.6	10.0	625	Grab	11/6/2011
70	Butylbenzyl Phthalate		ND	7.5	3.7	10.0	625	Grab	11/6/2011	
71	2-Chloronaphthalene		ND	5.0	3.7	5.0	625	Grab	11/6/2011	
72	4-Chlorophenyl Phenyl Ether		ND	7.5	3.7	10.0	625	Grab	11/6/2011	
73	Chrysene		ND	5.0	0.1	1.0	625+PAH	Grab	11/6/2011	

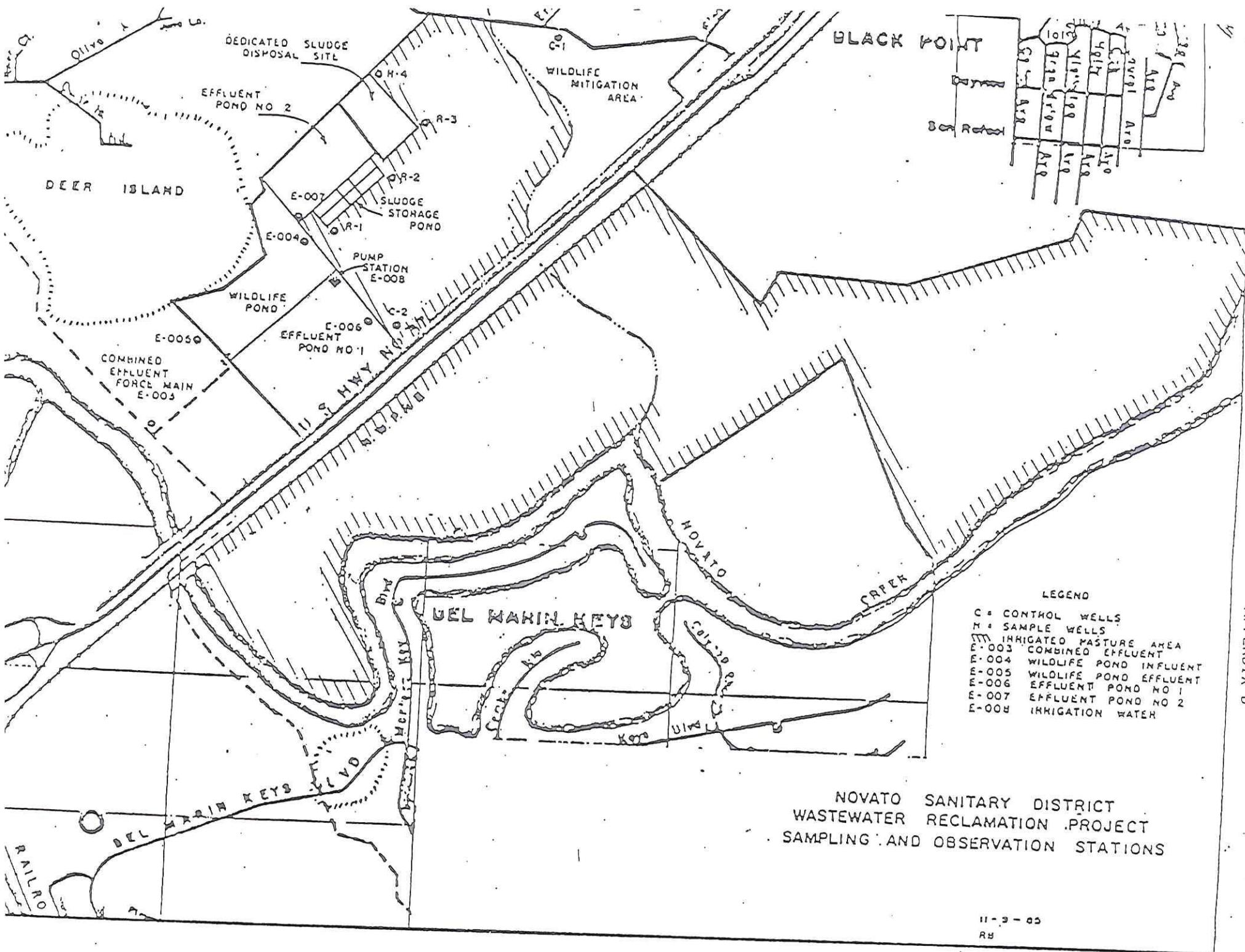
NOVATO SANITARY DISTRICT

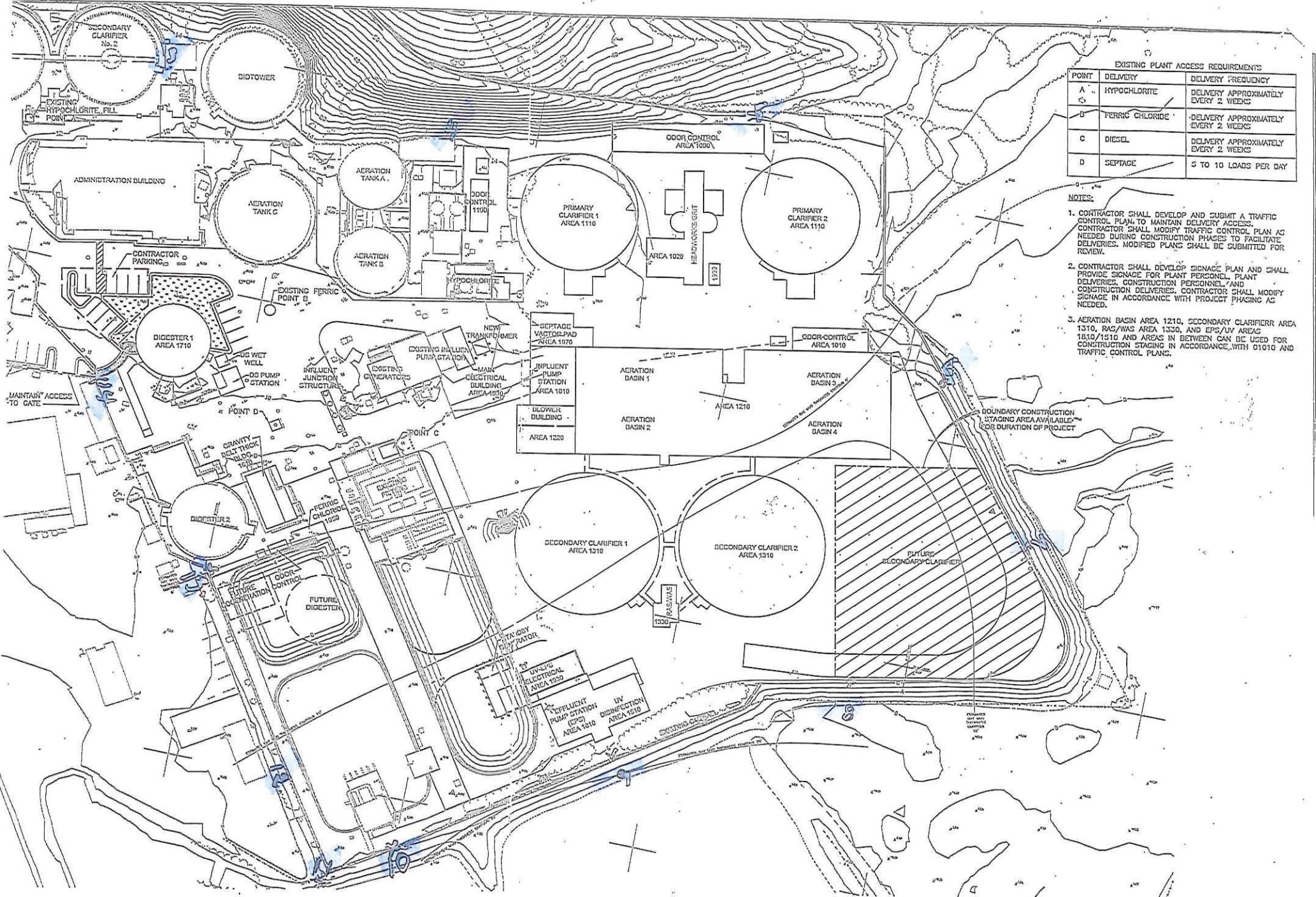
OCTOBER 2011 - Novato Influent- Organics Report for Priority Toxic Pollutants

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CTR #	CONSTITUENT	⁴ DNQ	Analytical Results ug/L	RDL ³ Reporting Limit ug/L	MDL ² Method Detection Limit ug/L	ML ¹ Method Limit ug/L	USEPA Method Used	Sample Collection Method	Date Sample Analyzed	COMMENTS
74	Dibenzo(a,h) Anthracene	J	ND	5.0	0.11	200.0	625+PAH	Grab	11/6/2011	
75	1,2-Dichlorobenzene		ND	2.5	1.4	2.5	624	Grab	10/26/2011	
76	1,3-Dichlorobenzene		ND	2.5	0.9	2.5	624	Grab	10/26/2011	
77	1,4-Dichlorobenzene		ND	2.5	0.9	2.5	624	Grab	10/26/2011	
78	3,3'-Dichlorobenzidine		ND	19.0	19.0	25.0	625	Grab	11/6/2011	
79	Diethyl Phthalate		4.0	5.0	3.2	5.0	625	Grab	11/6/2011	
80	Dimethyl Phthalate			ND	3.6	5.0	625	Grab	11/6/2011	
81	Di-n-Butyl Phthalate			ND	3.4	5.0	625	Grab	11/6/2011	
82	2,4-Dinitrotoluene			ND	3.6	5.0	625	Grab	11/6/2011	
83	2,6-Dinitrotoluene			ND	3.6	5.0	625	Grab	11/6/2011	
84	Di-n-Octyl Phthalate			ND	3.5	5.0	625	Grab	11/6/2011	
85	1,2-Diphenylhydrazine			ND	3.4	5.0	625	Grab	11/6/2011	
86	Fluoranthene			ND	0.11	1.0	625+PAH	Grab	11/6/2011	
87	Fluorene			ND	0.11	1.0	625+PAH	Grab	11/6/2011	
88	Hexachlorobenzene			ND	3.4	5.0	625	Grab	11/6/2011	
89	Hexachlorobutadiene			ND	3.5	5.0	625	Grab	11/6/2011	
90	Hexachlorocyclopentadiene			ND	3.4	5.0	625	Grab	11/6/2011	
91	Hexachloroethane			ND	3.5	5.0	625	Grab	11/6/2011	
92	Indeno(1,2,3-cd) Pyrene			ND	0.11	1.00	625+PAH	Grab	11/6/2011	
93	Isophorone			ND	3.5	5.0	625	Grab	11/6/2011	
94	Naphthalene	J	0.48	5.0	0.2	1.0	625+PAH	Grab	11/6/2011	
95	Nitrobenzene			ND	4.8	5.0	625	Grab	11/6/2011	
96	N-Nitrosodimethylamine			ND	3.3	5.0	625	Grab	11/6/2011	
97	N-Nitrosodi-n-propylamine			ND	3.6	5.0	625	Grab	11/6/2011	
98	N-Nitrosodiphenylamine			ND	3.1	5.0	625	Grab	11/6/2011	
99	Phenanthrene			ND	0.11	1.0	625+PAH	Grab	11/6/2011	
100	Pyrene			ND	2.60	1.0	625+PAH	Grab	11/6/2011	
101	1,2,4-Trichlorobenzene			ND	3.7	10.0	625	Grab	11/6/2011	
102	MTBE		ND	2.5	0.75	2.5	624	Grab	10/26/2011	







1"
Y SCALES —
ONE INCH
ON FULL
DRAWING.
ONE INCH
ON THIS
FIGURE.



Walter F. Rindfuss

DESIGNED	M. NAKAMOTO
DRAWN	S. JUNG
CHECKED	D. GELLERMAN

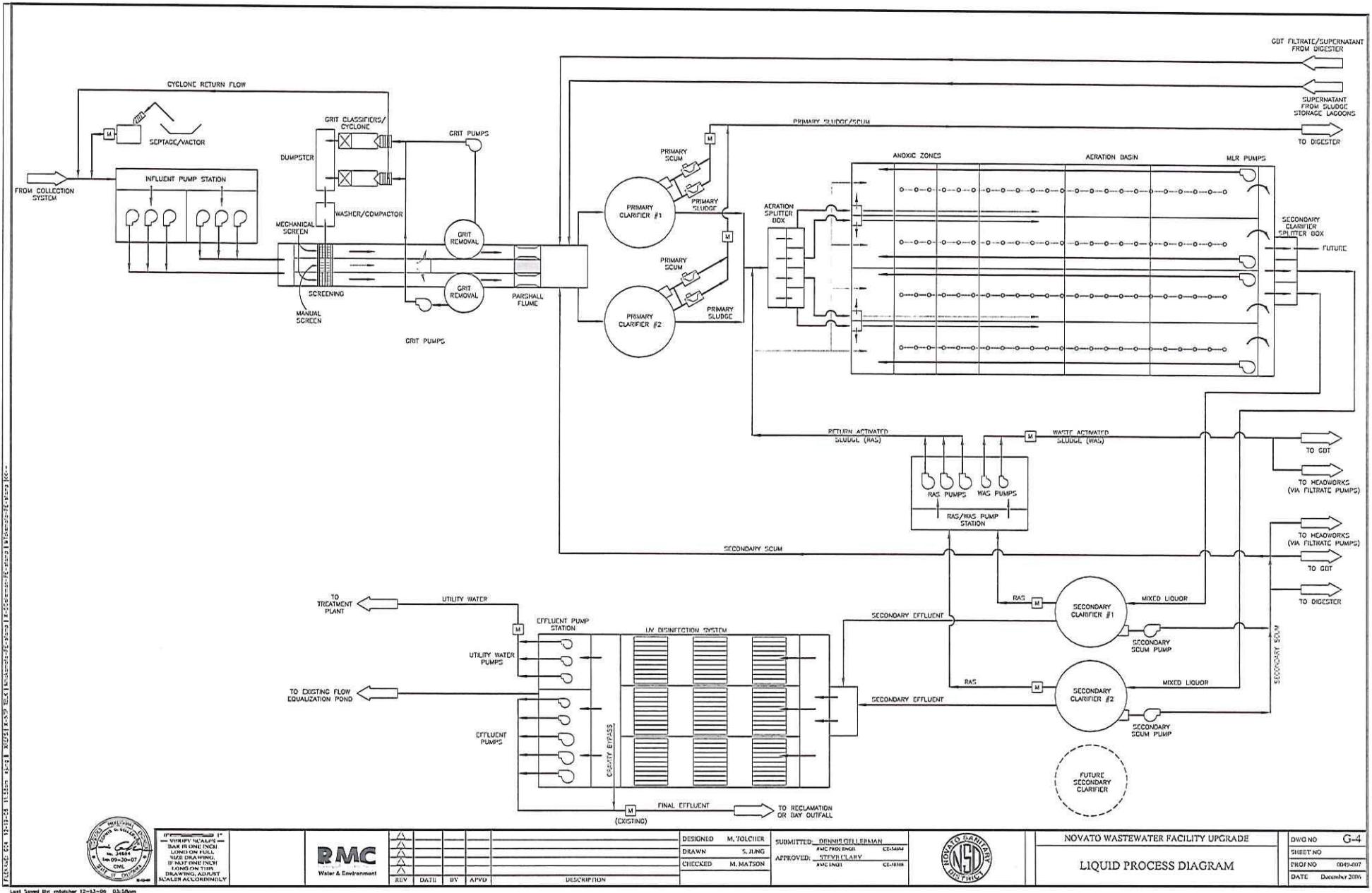
SUBMITTED: DENNIS GELLERMAN
RMC PROJ ENGR C-346
APPROVED: STEVE CLARY
RMC UNGR C-346



NOVATO WASTEWATER FACILITY UPGRADE

SITE PLAN

DWG NO	G-5
SHEET NO	
PROJ NO	0049-00
DATE	December 200



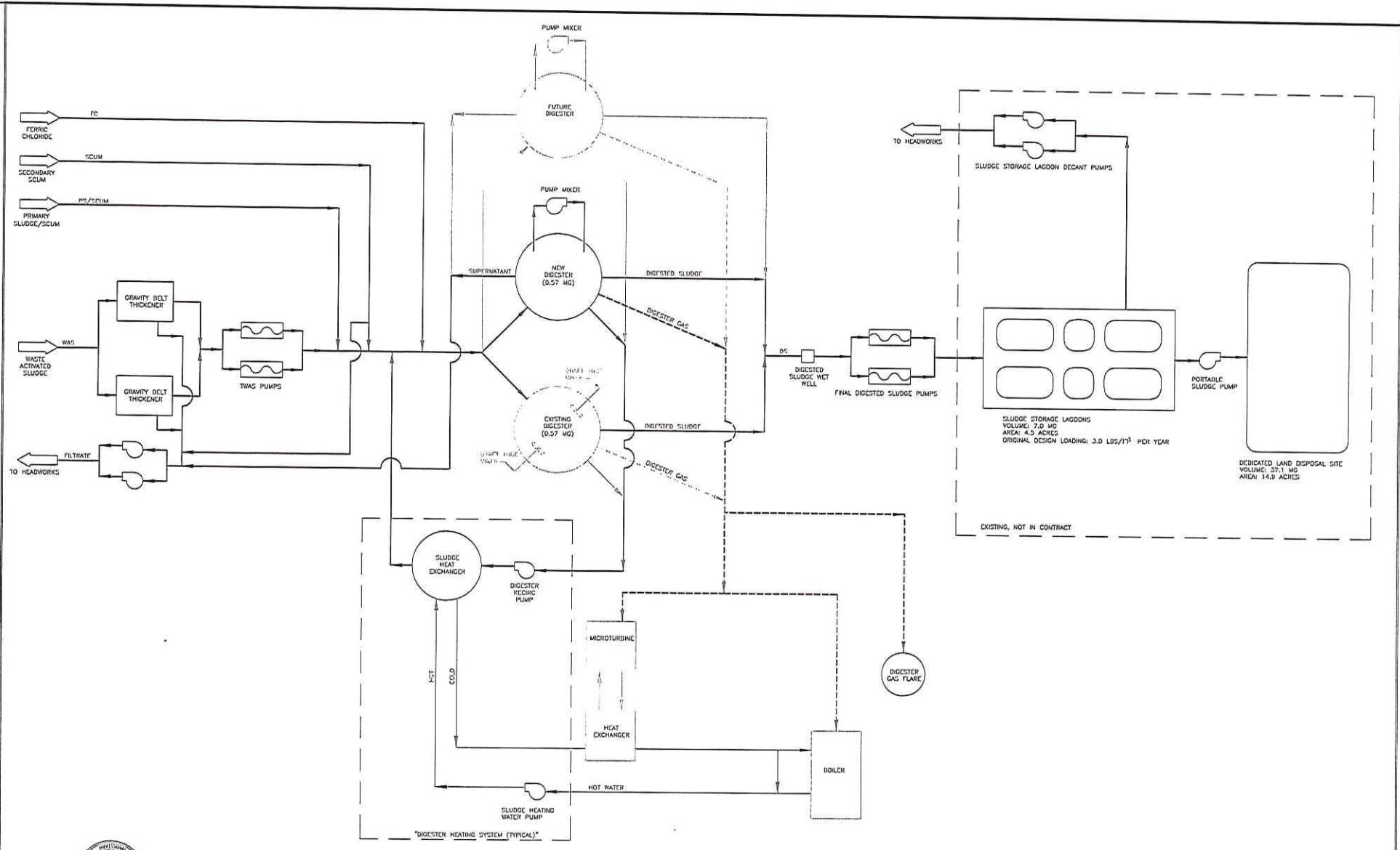


FIGURE G-5 D-11-2 10/2006 804



1" VERTICALLY
WATER LINE
SHALL BE
LINED ON FULL
DIA. IN. 12".
IF NOT ONE INCH
LONG ON THE
DIA. THE ADJNT.
SCALER ACCORDINGLY

RMC
Water & Environment

REV	DATE	BY	APVD	DESCRIPTION

DESIGNED: M. TAKEMOTO
DRAWN: S. JUNG
CHECKED: M. MATSON

SUBMITTED: DENNIS GILLELMAN
FAC PROJ ENG: STEPHEN A. BYR
APPROVED: RANC PROJ ENG: CLAUDIO C. GILBERT



NOVATO WASTEWATER FACILITY UPGRADE
SOLIDS HANDLING DIAGRAM

DWG NO: G-5
SHEET NO:
PROJ NO: 08494007
DATE: December 2006