

LATE REVISIONS – 7 December 2006

Item 9 City of Atwater, Wastewater Treatment Facility, Merced County – NPDES Permit Renewal

NPDES Order

Page 1 Revise Finding 2 as follows:

“The City owns and operates a wastewater collection, treatment, and disposal system, and provides municipal sewerage service to the City of Atwater (population ~~23,000~~25,700),”

Page 1 Revise Finding 4 as follows:

“. . . . Treated wastewater is disinfected with chlorine gas and dechlorinated with calcium thiosulfate and sodium bisulfite. . . .”

Page 15 Revise Finding 45 as follows:

“Forty-one organic compounds listed in the CTR and NTR have SIP established Minimum Levels (MLs) at concentrations greater than their water quality objectives. The City’s reported method levels for ~~64~~ 40 of the organic compounds were higher than the SIP required method levels. . . .”

Page 29 Revise Section E entitled Groundwater Limitations as follows:

“Release of waste constituents from any storage, treatment, or disposal component associated with the WWTF shall not cause groundwater within influence of the WWTF to be degraded above naturally occurring background concentrations or, in combination with other sources of the waste constituents, to contain waste constituents in concentrations equal to or greater than that listed below (whichever is greater):”

Page 38 Revise the table in Provision 17 as follows:

<u>Task</u>	<u>Compliance Date</u>
a. Submit a receiving water hardness study work plan and proposed implementation schedule for Regional Water Board review and comment. The work plan shall <u>1.)</u> detail the steps and information necessary to determine representative downstream receiving water hardness conditions that could be used to establish water quality criteria for hardness-dependent metals that are fully protective of downstream beneficial uses-, <u>2.)</u> The work plan shall also describe how the proposed methodology conforms with the USEPA guidelines for defining water quality criteria for the applicable hardness-dependent metals-, and <u>3.)</u> describe how the	7 June 2007

Task Compliance Date

City intends to address the hardness and alkalinity and/or pH relationship issue described in the preamble to the California Toxics Rule (Section F.2.f., 65 FR 31692, May 18, 2000).

Monitoring and Reporting Program (MRP)

Page 3 Revise footnote 16 in the Effluent Monitoring section of the MRP as follows:

¹⁶ Except where required otherwise by constituent testing protocol or approved by the Executive Officer.

Page 4 Revise the table in the Receiving Surface Water Monitoring section of the MRP by making the change to the sampling frequency and adding footnote 5 as follows:

<u>Constituent</u>	<u>Units</u>	<u>Sampling Frequency</u>
Fecal Coliform Organisms	MPN/100 mL	2 Weekly ⁵

⁵ One additional sample shall be collected per 30-day period to demonstrate compliance with receiving water limitation D.14. The sample shall not be collected at the same time as other required weekly monitoring.

Fact Sheet

Page 1 Revise the section entitled WWTF Description as follows:

“ . . . Treated wastewater is disinfected with chlorine gas and dechlorinated with calcium thiosulfate and sodium bisulfite. . . . ”

Page 13 Revise the second paragraph as follows:

“Ammonia is known to cause toxicity to aquatic organisms in surface waters. Discharges of ammonia have the potential to violate the Basin Plan narrative toxicity objective, which states that, “All waters shall be maintained free of toxic substances in concentrations that produce detrimental physiological responses in human, plant, animal, or aquatic life.” In accordance with 40 CFR 122.44(d)(1)(vi)(B), it is appropriate to use USEPA’s December 1999 the USEPA published *Update of Ambient Water Quality Criteria for Ammonia* (1999 Ammonia Update). The 1999 Ammonia Update contains USEPA’s most recent . . . ”

The Fact Sheet - Attachment A (Pages 3-18) was updated to include receiving water data for 31 January 2002, which were inadvertently omitted from previous drafts of the TWDRs. The corrected Fact Sheet - Attachment A (Pages 3-18) is attached.

FACT SHEET - ATTACHMENT A
ORDER NO. R5-2006-XXXX
NPDES NO. CA0079197
CITY OF ATWATER WWTF
MERCED COUNTY
REASONABLE POTENTIAL ANALYSIS-- PRIORITY POLLUTANTS—ORGANIC CHEMICALS

Constituent	2,3,7,8-TCDD (Dioxin)	Acrolein	Acrylonitrile	Benzene	Bromoform	Carbon Tetrachloride	Chlorobenzene
CTR #	#16	#17	#18	#19	#20	#21	#22
EFFLUENT							
4/30/2001	1.144E-07	T -	< 1	0.15	0.1	< 0.5	< 0.5
7/25/2001	1.075E-07	T -	< 1	< 0.5	< 0.5	< 0.5	< 0.5
10/30/2001	1.048E-07	T -	< 1	< 0.5	< 0.5	< 0.5	< 0.5
1/31/2002	1.125E-07	T -	< 1	< 0.5	< 0.5	< 0.5	< 0.5
MEC (µg/L)	1.144E-07		< 1	0.15	0.1	< 0.5	< 0.5
RECEIVING WATER							
4/30/2001	-	T	< 1	0.13	0.41	< 0.5	< 0.5
10/30/2001	-	T	< 1	< 0.5	< 0.5	< 0.5	< 0.5
1/31/2002		T	< 1	< 0.5	< 0.5	< 0.5	< 0.5
Max Background	0.000E+00		< 1	< 0.5	< 0.50	< 0.5	< 0.5
<hr/>							
Lowest MLs (µg/L)							
SIP Appendix 4		2.0	2.0	0.5	0.5	0.5	0.5
BP Obj (µg/L)	3.000E-05	-	-	1	100	0.5	70
CMC (µg/L)	-	-	-	-	-	-	-
CCC (µg/L)	-	-	-	-	-	-	-
H Health (µg/L)							
Water & Org Only	1.300E-08	320	0.059	1.2	4.3	0.25	680
H Health (µg/L)							
Org Only	1.400E-08	720	0.66	71	360	4.4	21,000
Reasonable Potential							
Effluent	YES	NO	NO	NO	NO	NO	NO
Receiving Water	NO	NO	NO	NO	NO	NO	NO
Limitation Required	YES	NO	NO	NO	NO	NO	NO
Monitoring Required	YES	YES	YES	NO	NO	YES	NO

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 REASONABLE POTENTIAL ANALYSIS-- PRIORITY POLLUTANTS—ORGANIC CHEMICALS

Constituent	Chlorodibromo- methane	Chloroethane	2-Chloro- ethylvinyl Ether	Chloroform	Dichloro- bromomethane	1,1-Dichloro- ethane
CTR #	#23	#24	#25	#26	#27	#28
EFFLUENT						
4/30/2001	2.1	< 0.5	T -	20	9	< 0.5
7/25/2001	3.3	< 0.5	T -	24	13	< 0.5
10/30/2001	2.1	< 0.5	T -	21	9.5	< 0.5
1/31/2002	1.2	< 0.5	T -	8.8	4.8	< 0.5
MEC (µg/L)	3.3	< 0.5		24	13	< 0.5
RECEIVING WATER						
4/30/2001	< 0.5	< 0.5	T	< 0.5	< 0.5	< 0.5
10/30/2001	< 0.5	< 0.5	T	< 0.5	< 0.5	< 0.5
1/31/2002	< 0.5	< 0.5	T	< 0.5	< 0.5	< 0.5
Max Background	< 0.5	< 0.5	T	< 0.5	< 0.5	< 0.5
SWRCB MLs (µg/L)						
SIP Appendix 4	0.5	0.5	1	0.5	0.5	0.5
BP Obj (µg/L)	100	-	-	100	100	5
CMC (µg/L)	-	-	-	-	-	-
CCC (µg/L)	-	-	-	-	-	-
H Health (µg/L) Water & Org Only	0.401	-	-	Reserved	0.56	-
H Health (µg/L) Org Only	34	-	-	Reserved	46	-
Reasonable Potential						
Effluent	YES	NO	NO	NO	YES	NO
Receiving Water	YES	NO	NO	NO	NO	NO
Limitation Required	YES	NO	NO	NO	YES	NO
Monitoring Required	NO	NO	NO	NO	NO	NO

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 REASONABLE POTENTIAL ANALYSIS-- PRIORITY POLLUTANTS—ORGANIC CHEMICALS

Constituent	1,2-Dichloro- ethane	1,1-Dichloro-ethylene	1,2-Dichloro-propane	1,3-Dichloro-propylene	Ethyl benzene	Methyl Bromide	Methyl Chloride
CTR #	#29	#30	#31	#32	#33	#34	#35
EFFLUENT							
4/30/2001	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1.0	< 0.5
7/25/2001	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1.0	< 0.5
10/30/2001	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1.0	< 0.5
1/31/2002	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1.0	< 0.5
MEC (µg/L)	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1.0	< 0.5
RECEIVING WATER							
4/30/2001	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1.0	< 0.5
10/30/2001	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	4.6	< 0.5
1/31/2002	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1.0	< 0.5
Max Background	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	4.6	< 0.5
SWRCB MLs (µg/L)							
SIP Appendix 4	0.5	0.5	0.5	0.5	0.5	1.0	0.5
BP Obj (µg/L)	0.5	6	5	0.5	700	-	-
CMC (µg/L)	-	-	-	-	-	-	-
CCC (µg/L)	-	-	-	-	-	-	-
H Health (µg/L)							
Water & Org Only	0.38	0.057	0.52	10	3,100	48	-
H Health (µg/L) Org Only	99	3.2	39	1,700	29,000	4,000	-
Reasonable Potential							
Effluent	NO	NO	NO	NO	NO	NO	NO
Receiving Water	NO	NO	NO	NO	NO	NO	NO
Limitation Required	NO	NO	NO	NO	NO	NO	NO
Monitoring Required	YES	YES	NO	NO	NO	NO	NO

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 REASONABLE POTENTIAL ANALYSIS-- PRIORITY POLLUTANTS—ORGANIC CHEMICALS

Constituent	Methylene Chloride	1,1,2,2-Tetra-chloroethane	Tetrachloro-ethylene	Toluene	1,2-Trans-Dichloro-ethylene	1,1,1- Trichloro-ethane
CTR #	#36	#37	#38	#39	#40	#41
EFFLUENT						
4/30/2001	< 5.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
7/25/2001	< 5.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
10/30/2001	< 5.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1/31/2002	< 5.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
MEC (µg/L)	< 5.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
RECEIVING WATER						
4/30/2001	< 5.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
10/30/2001	< 5.0	< 0.5	< 0.5	0.43	< 0.5	< 0.5
1/31/2002	< 5.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Max Background	< 5.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
<hr/>						
SWRCB MLs (µg/L)						
SIP Appendix 4	0.5	0.5	0.5	0.5	0.5	0.5
BP Obj (µg/L)	5	1	5	150	10	200
CMC (µg/L)	-	-	-	-	-	-
CCC (µg/L)	-	-	-	-	-	-
H Health (µg/L)						
Water & Org Only	4.7	0.17	0.8	6,800	700	-
H Health (µg/L) Org Only	1,600	11	8.85	200,000	140,000	-
Reasonable Potential						
Effluent	NO	NO	NO	NO	NO	NO
Receiving Water	NO	NO	NO	NO	NO	NO
Limitation Required	NO	NO	NO	NO	NO	NO
Monitoring Required	NO	YES	NO	NO	NO	NO

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 REASONABLE POTENTIAL ANALYSIS-- PRIORITY POLLUTANTS—ORGANIC CHEMICALS

Constituent	1,1,2 Trichloro-ethane	Trichloro-ethylene	Vinyl Chloride	2-Chloro-phenol	2,4 Dichloro-phenol	2,4-Dimethyl- phenol
CTR #	#42	#43	#44	#45	#46	#47
EFFLUENT						
4/30/2001	< 0.5	< 0.05	< 0.5	< 10	< 10	< 10
7/25/2001	< 0.5	< 0.05	< 0.5	< 10	< 10	< 10
10/30/2001	< 0.5	< 0.05	< 0.5	< 10	< 10	< 10
1/31/2002	< 0.5	< 0.05	< 0.5	< 10	< 10	< 10
MEC (µg/L)	< 0.5	< 0.05	< 0.5	< 10	< 10	< 10
RECEIVING WATER						
4/30/2001	< 0.5	< 0.5	< 0.5	< 10	< 10	< 10
10/30/2001	< 0.5	< 0.5	< 0.5	< 10	< 10	< 10
1/31/2002	< 0.5	< 0.5	< 0.5	< 10	< 10	< 10
Max Background	< 0.5	< 0.5	< 0.5	< 10	< 10	< 10
SWRCB MLs (µg/L)						
SIP Appendix 4	0.5	0.5	0.5	2	1	1
BP Obj (µg/L)	5	5	0.5	-	-	-
CMC (µg/L)	-	-	-	-	-	-
CCC (µg/L)	-	-	-	-	-	-
H Health (µg/L)						
Water & Org Only	0.6	2.7	2	120	93	540
H Health (µg/L)						
Org Only	42	81	525	400	790	2,300
Reasonable Potential						
Effluent	NO	NO	NO	NO	NO	NO
Receiving Water	NO	NO	NO	NO	NO	NO
Limitation Required	NO	NO	NO	NO	NO	NO
Monitoring Required	NO	NO	NO	NO	NO	NO

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REASONABLE POTENTIAL ANALYSIS-- PRIORITY POLLUTANTS—ORGANIC CHEMICALS

Constituent	2-Methyl 4,6-Dinitrophenol	2,4-Dinitrophenol	2-Nitro-phenol	4-Nitro-phenol	3-Methyl-4-Chlorophenol	Pentachloro-phenol	Phenol
CTR #	#48	#49	#50	#51	#52	#53	#54
EFFLUENT							
4/30/2001	< 50	< 10	< 10	< 50	< 20	< 50	< 10
7/25/2001	< 50	< 10	< 10	< 50	< 20	< 50	< 10
10/30/2001	< 50	< 10	< 10	< 50	< 20	< 50	< 10
1/31/2002	< 50	< 10	< 10	< 50	< 20	< 50	< 10
MEC (µg/L)	< 50	< 10	< 10	< 50	< 20	< 50	< 10
RECEIVING WATER							
4/30/2001	< 50	< 10	< 10	< 50	< 20	< 50	< 10
10/30/2001	< 50	< 10	< 10	< 50	< 20	< 50	< 10
1/31/2002	< 50	< 50	< 10	< 50	< 20	< 50	< 10
Max Background	< 50	< 10	< 10	< 50	< 20	< 50	< 10
SWRCB MLs (µg/L)							
SIP Appendix 4	5	5	10	5	1	1	1
BP Obj (µg/L)	-	-	-	-	-	1	-
CMC (µg/L)	-	-	-	-	-	19	-
CCC (µg/L)	-	-	-	-	-	15	-
H Health (µg/L)							
Water & Org Only	13.4	70	-	-	-	0.28	21,000
Org Only	765	14,000	-	-	-	8.2	4,600,000
Reasonable Potential							
Effluent	NO	NO	NO	NO	NO	NO	NO
Receiving Water	NO	NO	NO	NO	NO	NO	NO
Limitation Required	NO	NO	NO	NO	NO	NO	NO
Monitoring Required	YES	NO	NO	NO	NO	YES	NO

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 REASONABLE POTENTIAL ANALYSIS-- PRIORITY POLLUTANTS—ORGANIC CHEMICALS

Constituent	2,4,6-Tri- chlorophenol	Acenaphthene	Acenaphthylene	Anthracene	Benzidene	Benzo(a) Anthracene	Benzo(a) Pyrene
CTR #	#55	#56	#57	#58	#59	#60	#61
EFFLUENT							
4/30/2001	< 10	< 10	< 10	< 10	T -	< 10	< 10
7/25/2001	< 10	< 10	< 10	< 10	T -	< 10	< 10
10/30/2001	< 10	< 10	< 10	< 10	T -	< 10	< 10
1/31/2002	< 10	< 10	< 10	< 10	T -	< 10	< 10
MEC (µg/L)	< 10	< 10	< 10	< 10		< 10	< 10
RECEIVING WATER							
4/30/2001	< 10	< 10	< 10	< 10	T	< 10	< 10
10/30/2001	< 10	< 10	< 10	< 10	T	< 10	< 10
1/31/2002	< 10	< 10	< 10	< 10	T	< 10	< 10
Max Background	< 10	< 10	< 10	< 10	T	< 10	< 10
SWRCB MLs (µg/L)							
SIP Appendix 4	10	0.5	0.2	2	5	5	2
BP Obj (µg/L)	-	-	-	-	-	-	0.2
CMC (µg/L)	-	-	-	-	-	-	-
CCC (µg/L)	-	-	-	-	-	-	-
H Health (µg/L)							
Water & Org Only	2.1	1,200	-	9,600	0.00012	0.0044	0.0044
H Health (µg/L)							
Org Only	6.5	2,700	-	110,000	0.00054	0.049	0.049
Reasonable Potential							
Effluent	NO	NO	NO	NO	NO	NO	NO
Receiving Water	NO	NO	NO	NO	NO	NO	NO
Limitation Required	NO	NO	NO	NO	NO	NO	NO
Monitoring Required	YES	NO	NO	NO	YES	YES	YES

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CITY OF ATWATER WWTF

MERCED COUNTY

REASONABLE POTENTIAL ANALYSIS-- PRIORITY POLLUTANTS—ORGANIC CHEMICALS

Constituent	Benzo(b) Fluoranthene #62	Benzo(ghi) Perylene #63	Benzo(k) Fluoranthene #64	Bis (2-Chloro- ethoxy) Methane #65	Bis (2-Chloro- ethyl) Ether #66	Bis (2-Chloro-isopropyl) Ether #67
EFFLUENT						
4/30/2001	< 10	< 10	< 10	< 10	< 10	< 10
7/25/2001	< 10	< 10	< 10	< 10	< 10	< 10
10/30/2001	< 10	< 10	< 10	< 10	< 10	< 10
1/31/2002	< 10	< 10	< 10	< 10	< 10	< 10
MEC (µg/L)	< 10	< 10	< 10	< 10	< 10	< 10
RECEIVING WATER						
4/30/2001	< 10	< 10	< 10	< 10	< 10	< 10
10/30/2001	< 10	< 10	< 10	< 10	< 10	< 10
1/31/2002	< 10	< 10	< 10	< 10	< 10	< 10
Max Background	< 10	< 10	< 10	< 10	< 10	< 10
SWRCB MLs (µg/L)						
SIP Appendix 4	10	0.1	2	5	1	2
BP Obj (µg/L)	-	0.2	-	-	-	-
CMC (µg/L)	-	-	-	-	-	-
CCC (µg/L)	-	-	-	-	-	-
H Health (µg/L)						
Water & Org Only	0.0044	-	0.0044	-	0.031	1,400
H Health (µg/L) Org Only	0.049	-	0.049	-	1.4	170,000
Reasonable Potential						
Effluent	NO	NO	NO	NO	NO	NO
Receiving Water	NO	NO	NO	NO	NO	NO
Limitation Required	NO	NO	NO	NO	NO	NO
Monitoring Required	YES	YES	YES	NO	YES	NO

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CITY OF ATWATER WWTF

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REASONABLE POTENTIAL ANALYSIS-- PRIORITY POLLUTANTS—ORGANIC CHEMICALS

Constituent	Bis (2-Ethyl- hexyl) Phthalate #68	4-Bromophenyl Phenyl Ether #69	Butylbenzyl Phthalate #70	2-Chloro- naphthalene #71	4-Chlorophenyl Phenyl Ether #72	Chrysene #73	Dibenzo(a,h) Anthracene #74
EFFLUENT							
4/30/2001	< 10	< 10	< 10	< 10	< 10	< 10	< 10
7/25/2001	< 10	< 10	< 10	< 10	< 10	< 10	< 10
10/30/2001	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1/31/2002	< 10	< 10	< 10	< 10	< 10	< 10	< 10
MEC (µg/L)	< 10	< 10	< 10	< 10	< 10	< 10	< 10
RECEIVING WATER							
4/30/2001	< 10	< 10	17	< 10	< 10	< 10	< 10
10/30/2001	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1/31/2002	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Max Background	< 10	< 10	17	< 10	< 10	< 10	< 10
SWRCB MLs (µg/L)							
SIP Appendix 4	5	5	10	10	5	5	0.1
BP Obj (µg/L)	4	-	-	-	-	-	-
CMC (µg/L)	-	-	-	-	-	-	-
CCC (µg/L)	-	-	-	-	-	-	-
H Health (µg/L)							
Water & Org Only	1.8	-	3,000	1,700	-	0.0044	0.0044
H Health (µg/L)							
Org Only	5.9	-	5,200	4,300	-	0.049	0.049
Reasonable Potential							
Effluent	NO	NO	NO	NO	NO	NO	NO
Receiving Water	NO	NO	NO	NO	NO	NO	NO
Limitation Required	NO	NO	NO	NO	NO	NO	NO
Monitoring Required	YES	NO	NO	NO	NO	YES	YES

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REASONABLE POTENTIAL ANALYSIS-- PRIORITY POLLUTANTS—ORGANIC CHEMICALS

Constituent	1,2-Dichloro- benzene	1,3-Dichloro- benzene	1,4-Dichloro- benzene	3,3-Dichloro- benzidine	Diethyl Phthalate	Dimethyl Phthalate
CTR #	#75	#76	#77	#78	#79	#80
EFFLUENT						
4/30/2001	< 10	< 10	< 10	< 20	6.3	< 10
7/25/2001	< 10	< 10	< 10	< 20	< 10	< 10
10/30/2001	< 10	< 10	< 10	< 20	< 10	< 10
1/31/2002	< 10	< 10	< 10	< 20	< 10	< 10
MEC (µg/L)	< 10	< 10	< 10	< 20	6.3	< 10
RECEIVING WATER						
4/30/2001	< 10	< 10	< 10	< 20	0.61	< 10
10/30/2001	< 10	< 10	< 10	< 20	< 10	< 10
1/31/2002	< 10	< 10	< 10	< 20	< 10	< 10
Max Background	< 10	< 10	< 10	< 20	0.61	< 10
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SWRCB MLs (µg/L)						
SIP Appendix 4	2	1	1	5	2	2
BP Obj (µg/L)	600	-	5	-	-	-
CMC (µg/L)	-	-	-	-	-	-
CCC (µg/L)	-	-	-	-	-	-
H Health (µg/L)						
Water & Org Only	2,700	400	400	0.04	23,000	313,000
H Health (µg/L)						
Org Only	12,000	2,600	2,600	0.077	120,000	2,900,000
Reasonable Potential						
Effluent	NO	NO	NO	NO	NO	NO
Receiving Water	NO	NO	NO	NO	NO	NO
Limitation Required	NO	NO	NO	NO	NO	NO
Monitoring Required	NO	NO	YES	YES	NO	NO

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 REASONABLE POTENTIAL ANALYSIS-- PRIORITY POLLUTANTS—ORGANIC CHEMICALS

Constituent	Di-n-Butyl Phthalate	2,4-Dinitro-toluene	2,6-Dinitro-toluene	Di-n-Octyl Phthalate	1,2-Diphenyl-hydrazine	Fluoranthene	Fluorene
CTR #	#81	#82	#83	#84	#85	#86	#87
EFFLUENT							
4/30/2001	0.59	< 10	< 10	< 10	T -	< 10	< 10
7/25/2001	< 10	< 10	< 10	< 10	T -	< 10	< 10
10/30/2001	< 10	< 10	< 10	< 10	T -	< 10	< 10
1/31/2002	< 10	< 10	< 10	< 10	T -	< 10	< 10
MEC (µg/L)	0.59	< 10	< 10	< 10		< 10	< 10
RECEIVING WATER							
4/30/2001	< 10	< 10	< 10	< 10	T	< 10	< 10
10/30/2001	< 10	< 10	< 10	< 10	T	< 10	< 10
1/31/2002	< 10	< 10	< 10	< 10	T	< 10	< 10
Max Background	< 10	< 10	< 10	< 10		< 10	< 10
SWRCB MLs (µg/L)							
SIP Appendix 4	10	5	5	10	1	0.05	0.1
BP Obj (µg/L)	700	-	0.05	-	-	-	-
CMC (µg/L)	-	-	-	-	-	-	-
CCC (µg/L)	-	-	-	-	-	-	-
H Health (µg/L)							
Water & Org Only	2,700	0.11	-	-	0.04	300	1,300
H Health (µg/L)							
Org Only	12,000	9.1	-	-	0.54	370	14,000
Reasonable Potential							
Effluent	NO	NO	NO	NO	NO	NO	NO
Receiving Water	NO	NO	NO	NO	NO	NO	NO
Limitation Required	NO	NO	NO	NO	NO	NO	NO
Monitoring Required	NO	YES	YES	NO	YES	NO	NO

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Constituent	Hexachloro- benzene	Hexachloro- butadiene	Hexachloro- cyclopentadiene	Hexachloro- ethane	Indeno(1,2,3-cd) Pyrene	Isophorone
CTR #	#88	#89	#90	#91	#92	#93
EFFLUENT						
4/30/2001	< 10	< 10	< 10	< 10	< 10	< 10
7/25/2001	< 10	< 10	< 10	< 10	< 10	< 10
10/30/2001	< 10	< 10	< 10	< 10	< 10	< 10
1/31/2002	< 10	< 10	< 10	< 10	< 10	< 10
MEC (µg/L)	< 10	< 10	< 10	< 10	< 10	< 10
RECEIVING WATER						
4/30/2001	< 10	< 10	< 10	< 10	< 10	< 10
10/30/2001	< 10	< 10	< 10	< 10	< 10	< 10
1/31/2002	< 10	< 10	< 10	< 10	< 10	< 10
Max Background	< 10	< 10	< 10	< 10	< 10	< 10
SWRCB MLs (µg/L)						
SIP Appendix 4	1	1	5	1	0.05	1
BP Obj (µg/L)	1	-	50	-	-	-
CMC (µg/L)	-	-	-	-	-	-
CCC (µg/L)	-	-	-	-	-	-
H Health (µg/L)						
Water & Org Only	0.00075	0.44	240	1.9	0.0044	8.4
H Health (µg/L)						
Org Only	0.00077	50	17,000	8.9	0.049	600
Reasonable Potential						
Effluent	NO	NO	NO	NO	NO	NO
Receiving Water	NO	NO	NO	NO	NO	NO
Limitation Required	NO	NO	NO	NO	NO	NO
Monitoring Required	YES	YES	NO	YES	YES	YES

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Constituent	Naphthalene #94	Nitro- benzene #95	N-nitrosodi- methylamine #96	N-Nitrosodi-n- Propylamine #97	N-Nitrosodi- phenylamine #98	Phenanthrene #99	Pyrene #100
EFFLUENT							
4/30/2001	< 10	< 10	< 10	< 10	< 10	< 10	< 10
7/25/2001	< 10	< 10	< 10	< 10	< 10	< 10	< 10
10/30/2001	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1/31/2002	< 10	< 10	< 10	< 10	< 10	< 10	< 10
MEC (µg/L)	< 10	< 10	< 10	< 10	< 10	< 10	< 10
RECEIVING WATER							
4/30/2001	< 10	< 10	< 10	< 10	< 10	< 10	< 10
10/30/2001	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1/31/2002	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Max Background	< 10	< 10	< 10	< 10	< 10	< 10	< 10
SWRCB MLs (µg/L)							
SIP Appendix 4	0.2	1	5	5	1	0.05	0.05
BP Obj (µg/L)	-	-	-	-	-	-	-
CMC (µg/L)	-	-	-	-	-	-	-
CCC (µg/L)	-	-	-	-	-	-	-
H Health (µg/L)							
Water & Org Only	-	17	0.00069	0.005	5	-	960
H Health (µg/L)							
Org Only	-	1,900	8.1	1.4	16	-	11,000
Reasonable Potential							
Effluent	NO	NO	NO	NO	NO	NO	NO
Receiving Water	NO	NO	NO	NO	NO	NO	NO
Limitation Required	NO	NO	NO	NO	NO	NO	NO
Monitoring Required	NO	NO	YES	YES	YES	NO	NO

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Constituent	1,2,4-Trichloro- benzene	Aldrin	alpha-BHC	beta-BHC	gamma-BHC	delta-BHC	Chlordane	4,4-DDT
CTR #	#101	#102	#103	#104	#105	#106	#107	#108
EFFLUENT								
4/30/2001	< 10	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
7/25/2001	< 10							
10/30/2001	< 10	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
1/31/2002	< 10							
MEC (µg/L)	< 10	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
RECEIVING WATER								
4/30/2001	< 10	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
10/30/2001	< 10	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
1/31/2002	< 10							
Max Background	< 10	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
SWRCB MLs (µg/L)								
SIP Appendix 4	1	0.005	0.01	0.005	0.02	0.005	0.1	0.01
BP Obj (µg/L)	5	-	-	-	0.2	-	0.1	-
CMC (µg/L)	-	3	-	-	0.95	-	2.4	1.1
CCC (µg/L)	-	-	-	-	-	-	0.0043	0.001
H Health (µg/L)								
Water & Org Only	-	0.00013	0.0039	0.014	0.019	-	0.00057	0.00059
H Health (µg/L)								
Org Only	-	0.00014	0.013	0.046	0.063	-	0.00059	0.00059
Reasonable Potential								
Effluent	NO	NO	NO	NO	NO	NO	NO	NO
Receiving Water	NO	NO	NO	NO	NO	NO	NO	NO
Limitation Required	NO	NO	NO	NO	NO	NO	NO	NO
Monitoring Required	YES	YES	YES	YES	YES	NO	YES	YES

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Constituent	4,4-DDE	4,4-DDD	Dieldrin	alpha- Endosulfan	beta- Endosulfan	Endosulfan Sulfate	Endrin	Endrin Aldehyde
CTR #	#109	#110	#111	#112	#113	#114	#115	#116
EFFLUENT								
4/30/2001	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
7/25/2001								
10/30/2001	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
1/31/2002								
MEC (µg/L)	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
RECEIVING WATER								
4/30/2001	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
10/30/2001	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
1/31/2002								
Max Background	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
SWRCB MLs (µg/L)								
SIP Appendix 4	0.05	0.05	0.01	0.02	0.01	0.05	0.01	0.01
BP Obj (µg/L)	-	-	-	-	-	-	2	-
CMC (µg/L)	-	-	0.24	0.22	0.22	-	0.086	-
CCC (µg/L)	-	-	0.056	0.056	0.056	-	0.036	-
H Health (µg/L)								
Water & Org Only	0.00059	0.00083	0.0001	110	110	110	0.76	0.76
H Health (µg/L)								
Org Only	0.00059	0.00084	0.0001	240	240	240	0.81	0.81
Reasonable Potential								
Effluent	NO	NO	NO	NO	NO	NO	NO	NO
Receiving Water	NO	NO	NO	NO	NO	NO	NO	NO
Limitation Required	NO	NO	NO	NO	NO	NO	NO	NO
Monitoring Required	YES	YES	YES	NO	NO	NO	YES	NO

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Constituent	Heptachlor	Heptachlor Epoxide	Polychlorinated biphenyls (PCBs)	Toxaphene
CTR #	#117	#118	#119-125	#126
EFFLUENT				
4/30/2001	< 0.05	< 0.05	< 0.05	< 1
7/25/2001				
10/30/2001	< 0.05	< 0.05	< 0.05	< 1
1/31/2002				
MEC (µg/L)	< 0.05	< 0.05	< 0.05	< 1
RECEIVING WATER				
4/30/2001	< 0.05	< 0.05	< 0.05	< 1
10/30/2001	< 0.05	< 0.05	< 0.05	< 1
1/31/2002				
Max Background	< 0.05	< 0.05	< 0.05	< 1
SWRCB MLs (µg/L)				
SIP Appendix 4	0.01	0.01	0.5	0.5
BP Obj (µg/L)	0.01	0.01	0.5	3
CMC (µg/L)	0.52	0.52		0.73
CCC (µg/L)	0.0038	0.0038	0.014	0.0002
H Health (µg/L)				
Water & Org Only	0.00021	0.0001	0.00017	0.00073
H Health (µg/L)				
Org Only	0.00021	0.00011	0.00017	0.00075
Reasonable Potential				
Effluent	NO	NO	NO	NO
Receiving Water	NO	NO	NO	NO
Limitation Required	NO	NO	NO	NO
Monitoring Required	YES	YES	YES	YES