

Attachment 1. Outfall 001 Effluent Characteristics Based on Average Monthly Data

Date	Influent Flow (MGD)		Effluent Flow (MGD)		BOD ₅ (mg/l)		BOD ₅ % Removal	TSS (mg/l)		TSS % Removal	Total Phosphorus (mg/l)	Ammonia Nitrogen (mg/l)	Copper (ug/l)	Fecal coliform (cfu/100 ml)		LC50	C-NOEL 7-Day
	Monthly average	Maximum Daily	Monthly average	Maximum daily	Monthly average	Maximum Daily	Monthly average	Monthly average	Maximum Daily	Monthly average	Monthly average	Monthly average	Monthly average	Monthly average	Maximum Daily	Ceriodaphina	Ceriodaphina
Existing Limits	1.08 note 1	****			note 2	***	85%	note 2	***	85%	0.3 (Apr -Oct) 0.75 (Nov-Mar)	0.56 (May -Oct.) 8.5 (Nov.)	4	200	400	≥100	≥89
Proposed Limits	1.08 note 1	****			note 2	***	85%	note 2	***	85%	0.2 (Apr -Oct) 0.75 (Nov-Mar)	0.56 (May -Oct.) 8.5 (Nov.) 15.3 (Dec-Apr.)	10	200	400	≥100	>92
Sep. 2005	0.52	0.60	0.30	0.60	2.4	2.6	98.9	0.3	0.4	99.9	0.19	0.04	50	1	2	---	---
Aug. 2005	0.47	0.55	0.25	0.49	3.0	4.3	98.8	0.4	0.7	99.8	0.20	0.04	68	2	2	---	---
July 2005	0.55	0.94	0.29	1.18	2.7	3.5	98.6	0.6	1.4	99.8	0.19	0.11	69	6	105	---	---
June 2005	0.58	0.69	0.15	0.30	2.5	4.6	98.6	0.7	1.3	99.7	0.18	0.09	80	2	2	---	---
May 2005	0.77	1.09	0.35	0.56	1.3	1.8	99.0	0.2	0.3	99.9	0.17	0.12	28	0	0	>100	>100
Apr. 2005	1.12	2.51	0.62	2.85	1.3	1.6	98.7	0.2	0.3	99.8	0.17	0.15	48	---	---	---	---
Mar. 2005	0.80	2.90	0.47	1.15	1.8	4.5	97.4	0.8	2.3	98.3	0.16	0.29	130	---	---	---	---
Feb. 2005	0.70	1.27	0.53	1.04	1.4	1.6	98.9	0.2	0.3	99.9	0.13	0.05	70	---	---	>100	>100
Jan. 2005	0.96	2.54	0.75	2.35	1.3	1.4	98.8	0.3	0.4	99.8	0.14	0.06	30	---	---	---	
Dec. 2004	0.94	1.52	0.71	1.16	1.3	1.5	98.5	0.2	0.2	99.9	0.15	0.05	35	---	---	---	
Nov. 2004	0.61	1.18	0.41	0.86	1.7	2.1	99.0	0.3	0.4	99.9	0.17	0.04	50	---	---	>100	>100
Oct. 2004	0.68	1.06	0.47	0.95	1.7	2.0	99.0	0.2	0.4	99.9	0.17	0.04	36	1	1	---	---
Sep. 2004	0.86	1.82	0.69	1.88	1.6	1.9	98.8	0.3	0.5	99.8	0.20	0.03	37	0	0	---	---
Aug. 2004	0.69	1.34	0.46	1.37	1.3	2.0	99.3	0.3	0.3	99.9	0.22	0.04	38	5	21	>100	>100
July 2004	0.59	2.74	0.34	2.65	1.8	2.4	99.1	0.2	0.2	99.9	0.20	0.04	58	5	8	---	---

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	Monthly average	Maximum Daily	Monthly average	Maximum daily	Monthly average	Maximum Daily	Monthly average	Monthly average	Maximum Daily	Monthly average	Monthly average	Monthly average	Monthly average	Monthly average	Monthly average	Monthly average	Monthly average
Existing Limits	1.08 note 1	****			note 2	***	85%	note 2	***	85%	0.3 (Apr -Oct) 0.75 (Nov-Mar)	0.56 (May -Oct.) 8.5 (Nov.)	4	200	400	≥100	≥89
Proposed Limits	1.08 note 1	****			note 2	***	85%	note 2	***	85%	0.2 (Apr -Oct) 0.75 (Nov-Mar)	0.56 (May -Oct.) 8.5 (Nov.) 15.3 (Dec-Apr.)	10	200	400	≥100	>92
June 2004	0.61	0.76	0.41	0.64	1.9	2.0	98.9	0.2	0.2	99.9	0.18	0.05	63	1	3	---	---
May 2004	0.80	1.29	0.75	1.37	2.4	2.7	95.0	0.6	0.7	99.6	0.16	0.09	46	0	0	>100	89
Apr. 2004	1.28	2.43	1.36	2.45	3.1	4.1	96.2	0.2	0.3	99.8	0.14	0.03	53	---	---	---	---
Mar. 2004	0.71	1.52	0.73	1.55	3.5	5.6	97.1	0.2	0.4	99.9	0.14	0.06	----	---	---	---	---
Feb. 2004	0.50	0.56	0.44	0.69	2.3	2.8	98.7	0.3	0.4	99.9	0.14	0.08	---	---	---	>100	>100
Jan. 2004	0.65	0.96	0.63	1.17	1.3	2.0	99.1	0.2	0.4	99.9	0.13	0.04	---	---	---	---	---
Dec. 2003	1.04	2.34	1.09	2.70	2.8	4.8	97.1	1.9	6.8	97.2	0.19	0.03	---	---	---	---	---
Nov. 2003	0.78	1.01	0.55	0.71	2.2	3.5	98.7	0.2	0.3	99.9	0.20	0.03	---	---	---	>100	>100
Oct. 2003	0.79	1.97	0.44	1.55	0.9	1.5	99.1	0.4	1.2	99.7	0.24	0.03	---	0	0	---	---
Maximum	1.28	2.90	1.36	2.85	3.5	2.8	99.3	1.9	6.8	99.9	0.24	0.29	130	6	105		
Minimum	0.47	0.55	0.15	0.30	0.9	1.4	95.0	0.2	0.2	97.2	0.13	0.03	28	0	0		
Average	0.75	1.48	0.55	1.34	2.0	2.8	98.4	0.4	0.8	99.7	0.17	0.07	55	2	12		

1. The 1.08 MGD flow limit is running annual arithmetic average

2. BOD₅ and TSS monthly average for May 1 - Oct 31 is 5.6 mg/l. BOD₅ and TSS monthly average for Nov 1 - Apr 30 is 30 mg/l.