

Appendix 5

SURFACE WATER AND WET WEATHER DISCHARGE MONITORING DATA

Quarterly Surface Water Monitoring Results

Sample No.	Date	Time	Sample Location	pH	EC (µS/cm)	Total Suspended Solids (mg/L)	Total Organic Carbon (TOC)	Grease & Oil (mg/L)
	8 September 2006		SD5	6.5	930	144		<2
	8 September 2006		SD6	7.5	310	104		<2
	8 September 2006		SD8	8.9	190	25		<6
	8 September 2006		SD9	9	285	1940		<2
	11 January 2007		SD5	8.4	3750	20		<2
	11 January 2007		SD8	8.2	420	84		
	11 January 2007		SD9	8.6	440	15		<2
	11 January 2007		MV1	7.7	3970	293		<2
	18 April 2007		SD1	8.6	605	86		<2
	18 April 2007		SD2	8.5	395	102		<2
	18 April 2007		SD8	8.6	270	36		<2
	18 April 2007		SD9	8.4	310	133		<2
	18 April 2007		SD20	9.1	520	80		<2
	18 April 2007		MV	7.8	4260	<2		<2
27514.01	25 July 2007	1510	SD1	7.5	990	23		<2
27514.02	25 July 2007	1525	SB5	8	1150	17		<2
27514.03	25 July 2007	1540	MV1	7.6	3130	15		30
27514.04	25 July 2007	1550	SD8	8.1	260	25		<2
27514.05	25 July 2007	1600	SD9	7.7	290	22		<2
27514.06	25 July 2007	1605	SD5	8.4	3370	8		<2
28415.01	31 October 2007	1545	SD9	7.8	310	16		<2
28415.02	31 October 2007	1555	SD8	8.8	780	32		<2
28415.03	31 October 2007	1610	SB5	8.9	1200	60		<2
28415.04	31 October 2007	1620	SB8*	9	2000	110		<2
28415.05	31 October 2007	1630	SB7	8.4	560	27		<2
28415.06	31 October 2007	1640	MV	8.1	2780	45		<2
28415.07	31 October 2007	1650	SD5	8.3	2620	44		<2
29740.01	18 March 2008	1035	SD9	6.9	245	27		<2
29740.02	18 March 2008	1050	SD8	8.4	1340	19		<2
29740.03	18 March 2008	1110	SD5					
29740.04	18 March 2008	1120	SD20	7.4	385	44		<2
29740.05	18 March 2008	1130	Pit Water Dam	8.4	1620	14		<2
29740.06	18 March 2008	1145	MV	7.8	3110	10		<2
29740.07	18 March 2008	1155	SB5	7.8	870	54		<2
29740.08	18 March 2008	1200	SB7	7.5	365	387		<2
29740.09	18 March 2008	1205	SD17	7.4	460	58		<2
31188.01	22 August 2008	1350	SD9	7.9	275	35		<2
31188.02	22 August 2008	1355	SD8	8.9	1450	20		<2
31188.03	22 August 2008	1405	SB16	8.8	1440	16		<2
31188.04	22 August 2008	1425	SD5	8.7	1310	35		<2
31188.05	22 August 2008	1430	SB4	8.7	1980	31		<2
31188.06	22 August 2008	1440	SB5	8.5	955	13		<2
31188.07	22 August 2008	1455	Pit Water Dam	8.7	2420	17		<2
31333.01	5 September 2008	1600	BCD	7.2	75	150		<2
31333.02	5 September 2008	1025	DAM1	7.4	185	4930		<2
31490.01	23 September 2008	1400	BCU	6.8	95	92		<2
31490.02	23 September 2008	1545	BCD	6.7	115	107		<2
31490.03	23 September 2008	1516	SD8	8.9	995	24		<2
31490.04	23 September 2008	1450	SD17	8.3	720	456		<2
31597.01	7 October 2008	930	SD17	8.2	735	75		<2
31597.02	7 October 2008	950	SD8	8.9	775	22		<2
31597.03	7 October 2008	1015	SB14	8.5	255	43		<2
32277.01	15 December 2008	1114	SD17	7.4	435	152		<2
32277.02	15 December 2008	1140	SD9	7.3	245	24		3
32277.03	15 December 2008	1130	SD8	8.2	635	22		<2
32277.04	15 December 2008	1207	BCD	6.9	135	30		<2
32738.01	10 February 2009	0620	MV	8.2	3370	13		<2
32738.02	10 February 2009	0638	SD8	8.9	790	11		<2
32738.03	10 February 2009	0655	SD9	8.5	330	16		<2
32738.04	10 February 2009	0646	SB14	8	380	32		<2
32738.05	10 February 2009	0604	SB5	8.8	1070	7		<2
32738.06	10 February 2009	0631	SB16	9	1200	6		<2
ES0909243-001	24 June 2009	0910	SB7	8.21	401	90	6	<5
ES0909243-002	24 June 2009	0925	SB5	8.62	1180	12	8	<5
ES0909243-003	24 June 2009	0935	Pit water	8.87	2330	148	5	<5
ES0909243-004	24 June 2009	0950	SD9	8.33	335	5	8	<5
ES0909243-005	24 June 2009	1010	SD16	8.16	550	20	5	<5
ES0909243-006	24 June 2009	1040	SB14	7.71	351	29	9	<5

Sample No.	Date	Time	Sample Location	pH	EC (µS/cm)	Total Suspended Solids (mg/L)	Total Organic Carbon (TOC)	Grease & Oil (mg/L)
ES0912983-001	27 August 2009	1035	SB7	8.1	418	62	5	<10
ES0912983-002	27 August 2009	1050	SB5	8.64	1210	29	8	<10
ES0912983-003	27 August 2009	1145	Pit water	8.2	2580	264	6	<10
ES0912983-004	27 August 2009	1105	SD9	8.36	389	12	8	<10
ES0913144-001	31 August 2009	0905	SB14	8.73	342	56	10	<10
ES0913144-002	31 August 2009	0915	SD16	8.3	547	158	5	<10
ES0919560-001	22 December 2009	1030	NCD	7.8	137	164	16	19
ES0919560-002	22 December 2009	1100	BCU	7.32	150	220	25	-
ES0919560-003	22 December 2009	1125	BCD	7.04	146	32	43	-
ES0919731-001	29 December 2009	1300	BCD	6.88	75	47	15	
ES0919731-002	29 December 2009	1310	NCD	6.73	143	32	10	
ES0919731-003	29 December 2009	1320	NCU	6.79	95	34	18	
ES0919731-004	29 December 2009	1350	SD14	8.12	1080	65	4	
ES0919731-005	29 December 2009	1405	SB14	7.41	374	128	19	
ES0919731-006	29 December 2009	1410	Goonbri Creek	7.02	60	38	12	
ES1003581-001	25 February 2010	1400	SB7	8.14	197	194	3	5
ES1003581-002	25 February 2010	1415	SB5	8.06	681	77	4	<5
ES1003581-003	25 February 2010	1505	SD9	7.95	123	18	8	5
ES1003581-004	25 February 2010	1445	SD16	8.49	734	257	3	<5
ES1003581-005	25 February 2010	1455	SB14	8.03	232	40	6	<5
ES1003581-006	25 February 2010	1530	SD2	8.37	276	15	<5	<5
ES1009879-001	24 May 2010	1030	SB7	8.41	291	17	4	13
ES1009879-001	24 May 2010	1045	SB5	8.59	531	48	5	13
ES1009879-001	24 May 2010	1110	SD9	8.62	148	10	8	6
ES1009879-001	24 May 2010	1125	SD16	8.93	810	9	4	8
ES1009879-001	24 May 2010	1205	SB14	7.76	251	538	8	6
ES1013265-001	6 July 2010	1130	SB14	8.09	245	95	5	<5
ES1015929-001	9 August 2010	1245	SB16	8.39	1170	10	3	<5
ES1015929-002	9 August 2010	1320	Pit water	7.07	1940	37	2	<5
ES1015929-003	9 August 2010	1150	SD9	7.72	147	24	9	<5
ES1015929-004	9 August 2010	1210	SD16	8.29	793	40	5	<5
ES1015929-005	9 August 2010	1220	SB14	7.69	260	1300	6	<5
ES1022163-001	2 November 2010	1610	SB7 (pre floc)	8.33	332	38	4	<5
ES1022525-001	4 November 2010	1530	SB7 (post floc)	8.72	339	10	3	<5
ES1022922-01	10 November 2010	940	SB16	9.19	1140	14	3	<5
ES1022922-02	10 November 2010	1020	SD9	7.94	168	16	11	<5
ES1022922-03	10 November 2010	1000	SD16	9.49	831	11	5	<5
ES1022922-04	10 November 2010	1010	SB14	7.72	323	56	5	<5
ES1105082-001	9 March 2011	1120	SD17	8.38	393	42	6	<5
ES1105082-002	9 March 2011	0915	SB16	7.17	968	20	6	<5
ES1105082-003	9 March 2011	1200	Pit water	7.95	2540	78	6	<5
ES1105082-004	9 March 2011	1050	SD9	7.98	186	30	11	<5
ES1105082-005	9 March 2011	1110	SD16	8.71	762	27	5	<5
ES1105082-006	9 March 2011	1015	SB14	8.17	361	43	6	<5

