

Appendix 4

SURFACE WATER AND WET WEATHER DISCHARGE MONITORING DATA

Surface Water Monitoring Data

Sample No.	Date	Time	Sample Location	pH	Electrical Conductivity (µS/cm)	Total Suspended Solids (mg/L)	Total Organic Carbon (TOC)	Grease & Oil (mg/L)	Comments
31492.01	23 September 2008	1310	UNDC	7.7	150	510		<2	
32279.01 32279.02	17 December 2008 17 December 2008	1029 1100	SB8 UNDC	7.8 6.6	295 145	1080 21		<2 <2	
ES0909245-001 ES0909245-002 ES0909245-003	24 June 2009 24 June 2009 24 June 2009		DAM VOID 1 SB3 SD3	9.3 8.36 8.56	1540 502 354	216 110 1340	20 10 35	<10 <10 <10	Limit of Reporting was raised for Oil and Grease due to insufficient samples Limit of Reporting was raised for Oil and Grease due to insufficient samples Limit of Reporting was raised for Oil and Grease due to insufficient samples
ES0912984-001 ES0912984-002 ES0912984-003	27 August 2009 27 August 2009 27 August 2009	1335 1240 1255	DAM VOID 1 SB3 SD3	8.85 8.86 8.34	2260 504 587	60 66 71	3 10 8	<10 <10 <10	Limit of Reporting (LOR) was raised for Oil and Grease due to insufficient samples Limit of Reporting (LOR) was raised for Oil and Grease due to insufficient samples Limit of Reporting (LOR) was raised for Oil and Grease due to insufficient samples
ES0918304-001	30 November 2009	1130	SB3	7.78	620	128	3	<10	Limit of Reporting (LOR) was raised for Oil and Grease due to insufficient samples
ES0919288-001 ES0919290-001 ES0919290-002 ES0919290-003	16 December 2009 16 December 2009 16 December 2009 16 December 2009	1415 1205 1225 1255	Dam Void 1 SB7 SB5 SB14	9.15 9.38 8.9 8.76	4210 600 1440 577	14 18 50 50	4 8 7 7	<10 <10 <10 <10	Limit of Reporting (LOR) was raised for Oil and Grease due to insufficient samples Limit of Reporting (LOR) was raised for Oil and Grease due to insufficient samples Limit of Reporting (LOR) was raised for Oil and Grease due to insufficient samples Limit of Reporting (LOR) was raised for Oil and Grease due to insufficient samples
ES0919733-001	29 December 2009	1530	SB19	6.85	110	444	5		
ES1003579-001 ES1003579-002 ES1003579-003	25 February 2010 25 February 2010 25 February 2010	1535 1550 1515	SB3 SD3 DAM VOID1	8.34 8.44 8.99	423 374 1390	56 37 106	15 <5 5	<5 <5 <5	Limit of Reporting (LOR) was raised for TOC due to matrix interference
ES1005718-001	25 March 2010	1550	SD3	8.71	445	58		<5	
ES1008743-001	7 May 2010	830	SD3	8.26	434	13		<5	
ES1008996-001 ES1008996-002 ES1008996-003	12 May 2010 12 May 2010 12 May 2010	1400 1408 1315	SB3 SD3 DAM VOID 1	8.2 8.42 8.9	565 422 2470	64 19 20	7 14 3	<5 56 <5	
ES1009880-001	24 May 2010	1320	SD3	8.57	412	92	4	6	

Wet Weather Discharge Monitoring Data

Sample No.	Sample Location	Date	Time	pH	Electrical Conductivity (µS/cm)	Total Suspended Solids (mg/L)	Total Organic Carbon (TOC)	Grease & Oil (mg/L)	Comments
ES0919733-002 ES0919733-003	SD3 UNDC	29 December 2009 29 December 2009	1530 1545	7.51 6.87	180 94	552 236	4 7		
ES1000144-001 ES1000144-002	SD3 UNDC	4 January 2010 4 January 2010	1200 1245	7.74 7.37	325 467	1490 34	2 17	<5 6	
ES1000715-001 ES1000715-002	DD CK SB 18	15 January 2010 15 January 2010	1130 1150	6.86 7.51	338 356	258 1490	3 3	<5 <5	
ES1002195-001	SD3	8 February 2010	0925	7.87	323	157	6	6	
ES1002884-001 ES1002884-002 ES1002884-003 ES1002884-004 ES1002884-005	SD3 UNDC SB 18 DDCK SB 20	15 February 2010 15 February 2010 15 February 2010 15 February 2010 16 February 2010	0900 0925 0945 1010 0715	7.48 7.15 7.37 7.34 7.16	329 318 395 359 119	406 186 556 15 46	3 8 5 6 9	<5 <5 <5 <5 <5	
ES1006098-001	SD3	31 March 2010	0925	8.14	435	108	12	<5	
ES1010661-001	SD3	2 June 2010	1200	8.21	410	260	35	<5	
ES1014922-001 ES1015036-001	SD 3 Pre discharge (controlled) SD3	26 July 2010 28 July 2010	0840 1430	8.34 8.23	458 437	17 23	5 4	<5 <10	