EBS Effluent Discharge, River DO, and ASB Health Data Summary

DRAFT as of 09/11/2011 @ 09:00

Effluent Samples - ASB7 (Outfall-001)

Date	Sample	pH (SU)	Mill insitu pH (SU)	Conductivity (uS/cm)	Mill Conductivity (uS/cm)	DO (mg/l)	TSS (mg/l)	COD (mg/l)	BOD_1 (mg/l)	BOD_5 (mg/l)	DOUR (mg/l/hr)	Maturity Index
9/10/2011	0:02	7.68	7.59	1,807	1,850	1.50	175	603	Pending	Pending	Once Daily	
	4:02	7.66	7.59	1,746	1,837	1.50	165	591				
	8:13	7.67	7.83	1,720	1,801	4.00	120	587			1.8	1.2
	12:05	7.65	7.84	1,758	1,768	3.79	120	595			Once Daily	
	16:13	7.66	7.85	1,889	1,775	3.04	115	573				
	20:21	7.61	7.86	1,820	1,785	1.84	145	569				

Effluent Samples - West Weir

Date	Sample	pH (SU)	Mill insitu pH (SU)	Conductivity (uS/cm)	Mill Conductivity (uS/cm)	DO (mg/l)	TSS (mg/l)	COD (mg/l)	DOUR (mg/l/hr)	Maturity Index
9/10/2011	3:48	7.65	7.62	1,746	1,843	0.51	150	660	Once Daily	
	7:57	7.53	7.47	1,723	1,803	0.24	150	583	5.4	1.2
	11:50	7.59	7.51	1,789	1,751	0.80	120	611	Once Daily	
	16:00	7.61	7.48	1,942	1,791	0.83	120	582		
	20:08	7.63	7.53	1,829	NS*	0.82	135	580		
	23:49	7.67	7.53	1,775	1,781	0.52	145	564		

* No sample recorded, equipment malfunction

River
Dissolved Oxygen, mg/l

Date	Run	Upstream	Outfall	Richardson	Walnut Bluff	Pool's Bluff	Max Model Sag	River Split	Waikiah	Wilson Slew	I-59 Crossing
9/10/2011	First Run	5.56	5.64	5.42	5.57	5.42	5.72	5.69	5.70	5.69	5.60
	Second Run	5.31	5.27	5.10	5.18	5.56	6.31	5.87	5.97	5.94	5.72

River
Conductivity, uS/cm

Date	Run	Upstream	Outfall	Richardson	Walnut Bluff	Pool's Bluff	Max Model Sag	River Split	Waikiah	Wilson Slew	I-59 Crossing
9/10/2011	First Run	No Sample - Equipment Malfunction					60	62	63	61	40
	Second Run	36	47	45	46	43	62	62	62	51	40

River
pH, SU

Date	Run	Upstream	Outfall	Richardson	Walnut Bluff	Pool's Bluff	Max Model Sag	River Split	Waikiah	Wilson Slew	I-59 Crossing
9/10/2011	First Run	No Sample - Equipment Malfunction					6.27	6.38	6.99	6.63	6.20
	Second Run	5.61	5.49	5.89	5.82	5.78	6.13	6.27	6.50	6.38	6.20

Mid ASB

Date	Time	pH (SU)	Conductivity (uS/cm)	DO mg/l	COD (mg/l)	NH_3 - N (mg/l)	o-PO_4 (mg/l)	DOUR (mg/l/hr)	Maturity Index
9/10/2011	0:10	7.65	1,768	0.43	1,064	Once Daily			
	4:10	7.68	1,712	1.11	1,152				
	8:26	7.64	1,765	0.82	1,096	0.06	0.14	8.6	1.4
	12:16	7.58	1,913	0.50	1,013	Once Daily			
	16:24	7.62	1,948	0.50	1,053				
	20:30	7.74	1,835	1.04	918				