

Appendix J - Details of Exceedances Recorded for Water Quality Monitoring

Turbidity

Date	Monitoring Location	Tidemode	Depth Average	Action Level		Limit Level		Remark
				120% of Upstream Control Station	95th Percentile of Baseline Data	130% of Upstream Control Station	99th Percentile of Baseline Data	
3-Nov-18	IS3	Mid-Ebb	4.51	4.09	7.00	4.43	8.40	The investigation is undergoing and the investigation result will be presented in the next monthly report.
3-Nov-18	IS2	Mid-Flood	2.56	2.41	7.00	2.61	8.40	
6-Nov-18	IS1	Mid-Flood	2.94	2.83	7.00	3.07	8.40	
6-Nov-18	IS3	Mid-Flood	3.44	2.83	7.00	3.07	8.40	
8-Nov-18	IS1	Mid-Flood	3.83	3.50	7.00	3.80	8.40	The exceedance were not considered as caused by the construction of the Project, It is because upstream result level and this situation were also occurred during the baseline water quality monitoring. It was proved that that such exceedances were due to the similar water quality conditions in both impact station & upstream control station and might not related to the construction activity.
22-Nov-18	IS3	Mid-Flood	2.70	2.57	7.00	2.78	8.40	The investigation is undergoing and the investigation result will be presented in the next monthly report.
24-Nov-18	IS2	Mid-Flood	3.42	2.47	7.00	2.68	8.40	
24-Nov-18	IS3	Mid-Flood	3.31	2.47	7.00	2.68	8.40	

SS

Date	Monitoring Location	Tidemode	Depth Average	Action Level		Limit Level		Remark
				120% of Upstream Control Station	95th Percentile of Baseline Data	130% of Upstream Control Station	99th Percentile of Baseline Data	
3-Nov-18	IS1	Mid-Flood	6.16	5.96	13.80	6.46	18.70	The investigation is undergoing and the investigation result will be presented in the next monthly report.
8-Nov-18	IS2	Mid-Ebb	11.38	8.40	13.80	9.10	18.70	The exceedance were not considered as caused by the construction of the Project, It is because upstream result level and this situation were also occurred during the baseline water quality monitoring. It was proved that that such exceedances were due to the similar water quality conditions in both impact station & upstream control station and might not related to the construction activity.
8-Nov-18	IS3	Mid-Ebb	10.11	8.40	13.80	9.10	18.70	
8-Nov-18	IS1	Mid-Flood	10.80	8.11	13.80	8.79	18.70	
8-Nov-18	IS2	Mid-Flood	8.40	8.11	13.80	8.79	18.70	
8-Nov-18	IS3	Mid-Flood	10.02	8.11	13.80	8.79	18.70	
10-Nov-18	IS2	Mid-Ebb	5.37	4.42	13.80	4.78	18.70	The investigation is undergoing and the investigation result will be presented in the next monthly report.
10-Nov-18	IS3	Mid-Ebb	6.17	4.42	13.80	4.78	18.70	
15-Nov-18	IS1	Mid-Ebb	5.40	3.65	13.80	3.95	18.70	
15-Nov-18	IS2	Mid-Ebb	5.53	3.65	13.80	3.95	18.70	
15-Nov-18	IS3	Mid-Ebb	5.60	3.65	13.80	3.95	18.70	
15-Nov-18	IS3	Mid-Flood	4.76	4.66	13.80	5.04	18.70	
20-Nov-18	IS1	Mid-Flood	4.94	4.90	13.80	5.30	18.70	
20-Nov-18	IS2	Mid-Flood	7.24	4.90	13.80	5.30	18.70	
20-Nov-18	IS3	Mid-Flood	6.73	4.90	13.80	5.30	18.70	
24-Nov-18	IS1	Mid-Ebb	6.01	5.98	13.80	6.47	18.70	
24-Nov-18	IS3	Mid-Ebb	6.07	5.98	13.80	6.47	18.70	
24-Nov-18	IS2	Mid-Flood	6.89	5.24	13.80	5.68	18.70	
24-Nov-18	IS3	Mid-Flood	6.10	5.24	13.80	5.68	18.70	
27-Nov-18	IS1	Mid-Ebb	12.09	12.01	13.80	13.01	18.70	
29-Nov-18	IS1	Mid-Flood	8.27	7.51	13.80	8.14	18.70	
29-Nov-18	IS2	Mid-Flood	8.27	7.51	13.80	8.14	18.70	
29-Nov-18	IS3	Mid-Flood	8.90	7.51	13.80	8.14	18.70	

Copper

Date	Monitoring Location	Tidemode	Depth Average	Action Level		Limit Level		Remark
				120% of Upstream Control Station	95th Percentile of Baseline Data	130% of Upstream Control Station	99th Percentile of Baseline Data	
10-Nov-18	IS2	Mid-Flood	1.33	1.20	2.00	1.30	3.00	The investigation is undergoing and the investigation result will be presented in the next monthly report.
17-Nov-18	IS3	Mid-Ebb	1.44	1.20	2.00	1.30	3.00	
20-Nov-18	IS3	Mid-Ebb	4.00	1.20	2.00	1.30	3.00	
29-Nov-18	IS1	Mid-Ebb	8.11	10.40	2.00	11.27	3.00	
29-Nov-18	IS2	Mid-Ebb	8.56	10.40	2.00	11.27	3.00	
29-Nov-18	IS3	Mid-Ebb	7.89	10.40	2.00	11.27	3.00	
29-Nov-18	IS1	Mid-Flood	8.33	9.86	2.00	10.69	3.00	
29-Nov-18	IS2	Mid-Flood	8.44	9.86	2.00	10.69	3.00	
29-Nov-18	IS3	Mid-Flood	8.00	9.86	2.00	10.69	3.00	

Remark:

Text with Bold: Result over the Action Level.

Text with Bold and underline: Result over the Limit Level.