

## Appendix J - Detail of Water Quality Exceedance

11 September 2020

Monitoring Location	Tide mode	Parameter	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	
IS1	Mid-Flood	Suspended Solids	2.83	2.75	13.80	2.98	18.70	It is considered that the source for the relatively high Suspended Solid level was not originated from the construction site due to the proper mitigation measure for dredging was implemented and no muddy plume was observed at the designated discharge point. It might be caused by the daily variation of the surrounding water quality and elevation by marine movement.

Remark:

Text highlighted in blue = Action Level Exceedance

Text highlighted in red = Limit Level Exceedance

## Appendix J - Detail of Water Quality Exceedance

14 September 2020

Monitoring Location	Tide mode	Parameter	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	
IS1	Mid-Ebb	Turbidity	4.16	3.84	7.00	4.16	8.40	It is considered that the source for the relatively high Turbidity and Copper levels were not originated from the construction site due to the proper mitigation measure for dredging was implemented and no muddy plume was observed at the designated discharge point. It might be caused by the daily variation of the surrounding water quality and elevation by marine movement.
IS1	Mid-Ebb	Copper	2.00	3.20	2.00	3.47	3.00	
IS2	Mid-Ebb	Copper	2.11	3.20	2.00	3.47	3.00	
IS3	Mid-Ebb	Copper	2.22	3.20	2.00	3.47	3.00	
IS1	Mid-Flood	Copper	2.56	2.40	2.00	2.60	3.00	
IS2	Mid-Flood	Copper	2.78	2.40	2.00	2.60	3.00	
IS3	Mid-Flood	Copper	2.00	2.40	2.00	2.60	3.00	

Remark:

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## Appendix J - Detail of Water Quality Exceedance

18 September 2020

Monitoring Location	Tide mode	Parameter	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	
IS1	Mid-Ebb	Suspended Solids	4.44	4.17	13.80	4.52	18.70	It is considered that the source for the relatively high Suspended Solid level was not originated from the construction site due to the proper mitigation measure for dredging was implemented and no muddy plume was observed at the designated discharge point. It might be caused by the daily variation of the surrounding water quality and elevation by marine movement.
IS3	Mid-Ebb	Suspended Solids	4.37	4.17	13.80	4.52	18.70	

Remark:

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## Appendix J - Detail of Water Quality Exceedance

21 September 2020

Monitoring Location	Tide mode	Parameter	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	
IS3	Mid-Ebb	Turbidity	5.12	4.71	7.00	5.10	8.40	The investigation is undergoing, and the result will report in the next report.
IS3	Mid-Flood	Turbidity	3.22	3.15	7.00	3.41	8.40	
IS2	Mid-Ebb	Suspended Solids	3.91	3.67	13.80	3.97	18.70	
IS3	Mid-Ebb	Suspended Solids	3.92	3.67	13.80	3.97	18.70	
IS1	Mid-Flood	Suspended Solids	3.87	3.32	13.80	3.60	18.70	
IS3	Mid-Flood	Suspended Solids	6.11	3.32	13.80	3.60	18.70	

Remark:

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## Appendix J - Detail of Water Quality Exceedance

23 September 2020

Monitoring Location	Tide mode	Parameter	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	
IS1	Mid-Ebb	Turbidity	5.23	4.27	7.00	4.62	8.40	The investigation is undergoing, and the result will report in the next report.
IS1	Mid-Flood	Turbidity	4.16	3.33	7.00	3.61	8.40	
IS2	Mid-Flood	Turbidity	4.27	3.33	7.00	3.61	8.40	
IS3	Mid-Flood	Turbidity	3.59	3.33	7.00	3.61	8.40	
IS2	Mid-Flood	Suspended Solids	3.57	2.93	13.80	3.18	18.70	

Remark:

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## Appendix J - Detail of Water Quality Exceedance

25 September 2020 (without Copper and Total PAH)

Monitoring Location	Tide mode	Parameter	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	
IS3	Mid-Flood	Turbidity	2.73	2.17	7.00	2.35	8.40	The investigation is undergoing, and the result will report in the next report.
IS1	Mid-Ebb	Suspended Solids	2.83	2.76	13.80	2.99	18.70	
IS1	Mid-Flood	Suspended Solids	4.66	3.04	13.80	3.29	18.70	
IS3	Mid-Flood	Suspended Solids	3.11	3.04	13.80	3.29	18.70	

Remark:

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## Appendix J - Detail of Water Quality Exceedance

28 September 2020 (without Copper and Total PAH)

Monitoring Location	Tide mode	Parameter	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	
IS1	Mid-Ebb	Turbidity	6.51	5.36	7.00	5.81	8.40	The investigation is undergoing, and the result will report in the next report.
IS2	Mid-Ebb	Turbidity	6.24	5.36	7.00	5.81	8.40	
IS1	Mid-Flood	Turbidity	6.18	6.05	7.00	6.56	8.40	
IS2	Mid-Flood	Turbidity	6.54	6.05	7.00	6.56	8.40	
IS2	Mid-Flood	Suspended Solids	10.06	9.99	13.80	10.82	18.70	

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