

## 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	It is considered that the source for the relatively high Suspended Solid and Turbidity level 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.
IS3	Mid-Flood	Turbidity	3.22	3.15	7.00	3.41	8.40	
IS2	Mid-Ebb	Suspended Solid	3.91	3.67	13.80	3.97	18.70	
IS3	Mid-Ebb	Suspended Solid	3.92	3.67	13.80	3.97	18.70	
IS1	Mid-Flood	Suspended Solid	3.87	3.32	13.80	3.60	18.70	
IS3	Mid-Flood	Suspended Solid	6.11	3.32	13.80	3.60	18.70	

Remark:

Text highlighted in blue = Action Level Exceedance

Text highlighted in red = Limit Level Exceedance

## 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	It is considered that the source for the relatively high concentration of Suspended Solids and Turbidity level 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-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 Solid	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

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	It is considered that the source for the relatively high concentration of Suspended Solids and Turbidity 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.
IS1	Mid-Ebb	Suspended Solid	2.83	2.76	13.80	2.99	18.70	
IS1	Mid-Flood	Suspended Solid	4.66	3.04	13.80	3.29	18.70	
IS3	Mid-Flood	Suspended Solid	3.11	3.04	13.80	3.29	18.70	

Remark:

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Text highlighted in red = Limit Level Exceedance

## Appendix J - Detail of Water Quality Exceedance

28 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	6.51	5.36	7.00	5.81	8.40	It is considered that the source for the relatively high concentration of Suspended Solids and Turbidity 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.
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 Solid	10.06	9.99	13.80	10.82	18.70	

Remark:

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## Appendix J - Detail of Water Quality Exceedance

05 October 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	7.49	8.67	7.00	9.39	8.40	It is considered that the source for the relatively high concentration of Suspended Solids and Turbidity level was not originated from the construction site due to the proper mitigation measure for dredging was implemented, and no muddy plume observed at the designated discharge point. It might be caused by the daily variation of the surrounding water quality and elevation by marine movement. The abnormal circumstances of Turbidity were also recorded in all stations on 5 October 2020.
IS2	Mid-Ebb	Turbidity	7.24	8.67	7.00	9.39	8.40	
IS3	Mid-Ebb	Turbidity	7.94	8.67	7.00	9.39	8.40	
IS1	Mid-Flood	Turbidity	7.80	9.29	7.00	10.07	8.40	
IS2	Mid-Flood	Turbidity	7.42	9.29	7.00	10.07	8.40	
IS3	Mid-Flood	Turbidity	8.28	9.29	7.00	10.07	8.40	
IS1	Mid-Flood	Suspended Solid	3.34	3.01	13.80	3.26	18.70	

Remark:

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## Appendix J - Detail of Water Quality Exceedance

07 October 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-Flood	Turbidity	3.10	2.92	7.00	3.16	8.40	It is considered that the source for the relatively high concentration of Suspended Solids and Turbidity level was not originated from the construction site due to the proper mitigation measure for dredging was implemented, and no muddy plume observed at the designated discharge point. It might be caused by the daily variation of the surrounding water quality and elevation by marine movement.
IS2	Mid-Ebb	Suspended Solid	3.48	3.27	13.80	3.54	18.70	
IS3	Mid-Ebb	Suspended Solid	4.07	3.27	13.80	3.54	18.70	

Remark:

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## Appendix J - Detail of Water Quality Exceedance

10 October 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	5.81	5.05	7.00	5.47	8.40	It is considered that the source for the relatively high concentration of Suspended Solids and Turbidity level was not originated from the construction site due to the proper mitigation measure for dredging was implemented, and no muddy plume observed at the designated discharge point. It might be caused by the daily variation of the surrounding water quality and elevation by marine movement.
IS2	Mid-Ebb	Turbidity	6.11	5.05	7.00	5.47	8.40	
IS1	Mid-Flood	Turbidity	5.78	5.76	7.00	6.24	8.40	
IS2	Mid-Flood	Turbidity	6.14	5.76	7.00	6.24	8.40	
IS3	Mid-Ebb	Suspended Solid	4.69	4.52	13.80	4.90	18.70	

Remark:

Text highlighted in blue = Action Level Exceedance

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## Appendix J - Detail of Water Quality Exceedance

12 October 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	Suspended Solid	3.58	3.01	13.80	3.26	18.70	The investigation is undergoing, and the result will report in next reporting period.
IS2	Mid-Flood	Copper	2.00	1.20	2.00	1.30	3.00	
IS3	Mid-Flood	Copper	1.33	1.20	2.00	1.30	3.00	

Remark:

Text highlighted in blue = Action Level Exceedance

Text highlighted in red = Limit Level Exceedance

14 October 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	Copper	2.00	2.40	2.00	2.60	3.00	The investigation is undergoing, and the result will report in next reporting period.
IS2	Mid-Flood	Copper	2.00	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

19 October 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 Solid	5.03	4.59	13.80	4.97	18.70	The investigation is undergoing, and the result will report in next reporting period.
IS2	Mid-Ebb	Suspended Solid	5.30	4.59	13.80	4.97	18.70	
IS3	Mid-Ebb	Suspended Solid	5.54	4.59	13.80	4.97	18.70	

Remark:

Text highlighted in blue = Action Level Exceedance

Text highlighted in red = Limit Level Exceedance

21 October 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	Suspended Solid	4.37	4.28	13.80	4.64	18.70	The investigation is undergoing, and the result will report in next reporting period.

Remark:

Text highlighted in blue = Action Level Exceedance

Text highlighted in red = Limit Level Exceedance

## Appendix J - Detail of Water Quality Exceedance

28 October 2020 (without Copper and Total PAHs)

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	
IS2	Mid-Flood	Turbidity	3.02	2.85	7.00	3.09	8.40	The investigation is undergoing, and the result will report in next reporting period.
IS3	Mid-Flood	Turbidity	3.77	2.85	7.00	3.09	8.40	
IS3	Mid-Flood	Suspended Solid	3.97	3.93	13.80	4.26	18.70	

Remark:

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30 October 2020 (without Copper and Total PAHs)

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	2.12	1.99	7.00	2.15	8.40	The investigation is undergoing, and the result will report in next reporting period.

Remark:

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Text highlighted in red = Limit Level Exceedance