



Ref no.	Date	Location	Parameters (Unit)	Measured	Action Level	Limit Level	Follow-up action
X_20RIW3_063	2-Sep-20	I	Turbidity (NTU)	194.7	206.9	214.2	<p>Possible reason: Natural variation in water quality in the vicinity of the water quality monitoring station due to rainy weather and contribution from upstream was observed.</p> <p>Action taken/ to be taken: Checking with contractor for the construction activities conducted on 2 September 2020. No exceedance was recorded on 4 September 2020.</p> <p>Remarks/ Other Observations: Silty water was observed at monitoring station I during water quality monitoring. Pile, Rock slope excavation and No-fine concreting and retaining wall were commenced at RIW3 construction site area under Contract No. NE/2017/03 on 2 September 2020, however, no surface runoff from construction works area into the concerned waterbody was observed during monitoring. Silty water was observed at station H, upstream reference station at Ma Yau Tong, turbidity (396.0 NTU) and suspended solid results (306.0 mg/L) were higher than the result at station I. The weather was rainy from 1 to 2 July 2020, runoff from uncertain sources may affect the water quality at both stations. In view of the above, it is considered that there were no evidence to suggest the exceedances were related to Project works at RIW3.</p>
			pH	7.8	6.6-8.4	6.5-8.5	
			SS (mg/L)	252.0	172.8	201.4	
			DO(mg/l)	6.9	5.8	5.5	
X_20RIW2_064	2-Sep-20	F	Turbidity (NTU)	22.8	24.4	32.7	<p>Possible reason: Natural variation in water quality in the vicinity of the water quality monitoring station due to rainy weather.</p> <p>Action taken/ to be taken: Checking with contractor for the construction activities conducted on 2 September 2020. No exceedance was recorded on 4 September 2020.</p> <p>Remarks/ Other Observations: The weather was rainy from 1 to 2 September 2020. Slightly silty water was observed at monitoring station F during water quality monitoring. RC works were commenced at RIW2 construction site area under Contract No. NE/2017/03 on 2 September 2020. No surface runoff affecting the surrounding gullies or public drainages was observed. Turbidity and suspended solid results were high at station E (32.4NTU and 21.8mg/L), station AC2 (28.1NTU and 28.2mg/L) and station AC3 (15.6NTU and 47.7mg/L). In view of the above, it is considered that there were no evidence to suggest the exceedances were related to Project works at RIW2.</p>
			pH	6.9	6.6-8.4	6.5-8.5	
			SS (mg/L)	18.3	17.0	23.8	
			DO(mg/l)	7.6	5.8	5.5	
X_20RIW2_065	11-Sep-20	F	Turbidity (NTU)	112.1	24.4	32.7	<p>Possible reason: Natural variation in water quality in the vicinity of the water quality monitoring station due to rainy weather and contribution from unknown source.</p> <p>Action taken/ to be taken: A repeated in-situ measurement (pH = 8.92, turbidity = 111.7) had been conducted immediately to confirm the exceedances. Checking with contractor for the construction activities conducted on 11 September 2020. Increased the monitoring frequency to daily on 12 September 2020, no further exceedance was recorded. For suspended solid, no exceedance was recorded on 14 September 2020.</p> <p>Remarks/ Other Observations: The weather was rainy from 9 to 11 September 2020. Silty water was observed at monitoring station F during water quality monitoring. RC works and piling were commenced at RIW2 construction site area under Contract No. NE/2017/03 on 11 September 2020. No surface runoff from the construction site affecting the surrounding gullies or public drainages was observed and no discharge from the construction site was observed. Turbidity and suspended solid results were not high at station E (8.9NTU and 3.8mg/L), station AC2 (10.7NTU and 8.5mg/L) and station AC3 (17.2NTU and 7.9mg/L). In view of the above, it is considered that there were no evidence to suggest the exceedances were related to Project works at RIW2.</p>
			pH	8.9	6.6-8.4	6.5-8.5	
			SS (mg/L)	126.5	17.0	23.8	
			DO(mg/l)	8.4	5.8	5.5	



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X_20RIW2_066	16-Sep-20	F	Turbidity (NTU)	23.5	24.4	32.7	<p>Possible reason: Natural variation in water quality in the vicinity of the water quality monitoring station due to rainy weather and silty water flowing into the public drainage was observed.</p> <p>Action taken/ to be taken: Checking with contractor for the construction activities conducted on 16 September 2020. Exceedance was still recorded on 18 (349.5 mg/L), 21 (847.4 mg/L), 23 (22.9 mg/L), 25 (67.9 mg/L) and 28 (25.3 mg/L) September 2020. No exceedance was recorded until 30 September 2020.</p> <p>Remarks/ Other Observations: The weather was rainy from 14 to 16 September 2020 and flooding was observed on site. Water in slightly grey colour was observed at monitoring station F during water quality monitoring. RC works, ground investigation, demolition of median island and piling were commenced at RIW2 construction site area under Contract No. NE/2017/03 on 16 September 2020. Silty water within the construction site flowing into the public drainage was observed. Turbidity and suspended solid results were not high at station E (11.4NTU and 5.7mg/L) and station AC2 (5.8NTU and 5.4mg/L) but high at station AC3 (16.3NTU and 18.1mg/L). In view of the above, it is considered that the exceedance was project related.</p>
			pH	7.3	6.6-8.4	6.5-8.5	
			SS (mg/L)	29.0	17.0	23.8	
			DO(mg/l)	8.2	5.8	5.5	
X_20RIW2_067	18-Sep-20	F	Turbidity (NTU)	127.8	24.4	32.7	<p>Possible reason: Natural variation in water quality in the vicinity of the water quality monitoring station due to rainy weather and contribution from upstream.</p> <p>Action taken/ to be taken: A repeated in-situ measurement (turbidity = 127.8NTU) had been conducted immediately to confirm the exceedances. Checking with contractor for the construction activities conducted on 18 September 2020. Increased the monitoring frequency to daily on 19 September 2020, further exceedance was recorded (turbidity = 33.1 NTU) but no exceedance was recorded on 20 September 2020 (turbidity = 12.2NTU), however, exceedance was recorded again on 21 (turbidity = 847.4). No further exceedances were recorded on 22 (turbidity = 12.1NTU) and 23 (turbidity = 21.7NTU) September 2020. For suspended solid, exceedance was still recorded on 21 (847.4 mg/L), 23 (22.9 mg/L), 25 (67.9 mg/L) and 28 (25.3 mg/L) September 2020. No exceedance was recorded until 30 September 2020.</p> <p>Remarks/ Other Observations: The weather was rainy from 17 to 18 September 2020. Silty water was observed at monitoring station F during water quality monitoring. Silty water was also observed at upstream station AC3. RC works, demolition of median island and piling were commenced at RIW2 construction site area under Contract No. NE/2017/03 on 18 September 2020. No surface runoff affecting the surrounding gullies or public drainages and no discharge from the construction site was observed. Turbidity and suspended solid results were not high at station E (13.2NTU and 3.6mg/L) and station AC2 (16.6NTU and 7.8mg/L) but high at station AC3 (35.6NTU and 38.9mg/L). In view of the above, it is considered that there were no evidence to suggest the exceedances were related to Project works at RIW2.</p>
			pH	8.3	6.6-8.4	6.5-8.5	
			SS (mg/L)	349.5	17.0	23.8	
			DO(mg/l)	7.8	5.8	5.5	



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X_20RIW2_068	21-Sep-20	F	Turbidity (NTU)	847.4	24.4	32.7	<p>Possible reason: Natural variation in water quality in the vicinity of the water quality monitoring station due to rainy weather and contribution from upstream.</p> <p>Action taken/ to be taken: A repeated in-situ measurement (pH = 8.82, turbidity = 832.1NTU) had been conducted immediately to confirm the exceedances. Checking with contractor for the construction activities conducted on 21 September 2020. Increased the monitoring frequency to daily on 22 and 23 September 2020, no further exceedance were recorded on 22 (turbidity = 12.1 NTU) and 23 (turbidity = 21.7 NTU) September 2020. For pH, no exceedance was recorded on 22 September 2020. For suspended solid, exceedance was still recorded on 23 (22.9 mg/L), 25 (67.9 mg/L) and 28 (25.3 mg/L) September 2020.</p> <p>Remarks/ Other Observations: The weather was rainy from 20 to 21 September 2020. Muddy water was observed at monitoring station F and station AC3 during water quality monitoring. RC works, demolition of median and piling were commenced at RIW2 construction site area under Contract No. NE/2017/03 on 21 September 2020. No surface runoff affecting the surrounding gullies or public drainages and no discharge from the construction site was observed. pH, Turbidity and suspended solid results were not high at station E (pH 7.1, 15.6NTU and 3.8mg/L) and station AC2 (pH 7.4, 5.6NTU and 8.5mg/L) but high at station AC3 (pH 7.8, 505.5NTU and 208.5mg/L). In view of the above, it is considered that there were no evidence to suggest the exceedances were related to Project works at RIW2.</p>
			pH	8.7	6.6-8.4	6.5-8.5	
			SS (mg/L)	876.5	17.0	23.8	
			DO(mg/l)	7.9	5.8	5.5	
X_20RIW3_069	23-Sep-20	I	Turbidity (NTU)	470.9	206.9	214.2	<p>Possible reason: Abnormal discharge and contribution from upstream was observed.</p> <p>Action taken/ to be taken: A repeated in-situ measurement (turbidity = 470.9) had been conducted immediately to confirm the exceedances. Checking with contractor for the construction activities conducted on 23 September 2020. Increased the monitoring frequency to daily on 24 September 2020, no exceedance was recorded. For suspended solid, no exceedance was recorded on 25 September 2020.</p> <p>Remarks/ Other Observations: Muddy water was observed at monitoring station I and station H during water quality monitoring. Rock slope excavation, pile and retaining wall were commenced at RIW3 construction site area under Contract No. NE/2017/03 on 23 September 2020, however, no surface runoff from construction works area into the concerned waterbody was observed during monitoring. Muddy water was observed at station H, upstream reference station at Ma Yau Tong, turbidity (1184.5 NTU) and suspended solid results (1430.0 mg/L) were higher than the result at station I. The weather was rainy on 22 September 2020, runoff from uncertain sources may affect the water quality at both stations. In view of the above, it is considered that there were no evidence to suggest the exceedances were related to Project works at RIW3.</p>
			pH	8.1	6.6-8.4	6.5-8.5	
			SS (mg/L)	404.0	172.8	201.4	
			DO(mg/l)	8.0	5.8	5.5	



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X_20RIW2_070	23-Sep-20	F	Turbidity (NTU)	21.7	24.4	32.7	<p>Possible reason: Natural variation in water quality in the vicinity of the water quality monitoring station due to rainy weather and contribution from unknown source of silty water at upstream.</p> <p>Action taken/ to be taken: Checking with contractor for the construction activities conducted on 23 September 2020. Exceedance was still recorded on 23 (22.9 mg/L), 25 (67.9 mg/L) and 28 (25.3 mg/L) September 2020. No exceedance was recorded until 30 September 2020.</p> <p>Remarks/ Other Observations: The weather was rainy on 22 September 2020. Slightly silty water was observed at monitoring station F during water quality monitoring. RC works, demolition of median island and piling were commenced at RIW2 construction site area under Contract No. NE/2017/03 on 23 September 2020. No surface runoff affecting the surrounding gullies or public drainages was observed. Muddy water flowing through station AC3 and station F was observed during monitoring, moreover, unknown source of muddy water was observed at upstream. Turbidity and suspended soil results were not high at station E (9.6NTU and 3.7mg/L) and station AC2 (5.4NTU and 2.7mg/L) but high at station AC3 (31.5NTU and 44.4mg/L). In view of the above, it is considered that there were no evidence to suggest the exceedances were related to Project works at RIW2.</p>
			pH	7.6	6.6-8.4	6.5-8.5	
			SS (mg/L)	22.9	17.0	23.8	
			DO(mg/l)	7.9	5.8	5.5	
X_20RIW2_071	25-Sep-20	F	Turbidity (NTU)	20.3	24.4	32.7	<p>Possible reason: Natural variation in water quality in the vicinity of the water quality monitoring station due to rainy weather and contribution of unknown source from upstream.</p> <p>Action taken/ to be taken: Checking with contractor for the construction activities conducted on 25 September 2020. Exceedance was still recorded on 28 September 2020 (25.3 mg/L). No exceedance was recorded until 30 September 2020.</p> <p>Remarks/ Other Observations: The weather was rainy from 24 to 25 September 2020. Water Slightly grey in colour was observed at monitoring station F during water quality monitoring. RC works, demilition of median island and piling were commenced at RIW2 construction site area under Contract No. NE/2017/03 on 25 September 2020. No surface runoff affecting the surrounding gullies or public drainages and no discharge from the construction site was observed. Turbidity and suspended soil results were not high at station E (9.8NTU and 5.6mg/L) and station AC2 (5.4NTU and 3.4mg/L) but high at station AC3 (16.7NTU and 22.6mg/L). Moreover, muddy water flow through station AC3 was observed before the monitoring. In view of the above, it is considered that there were no evidence to suggest the exceedances were related to Project works at RIW2.</p>
			pH	8.1	6.6-8.4	6.5-8.5	
			SS (mg/L)	67.9	17.0	23.8	
			DO(mg/l)	7.5	5.8	5.5	
X_20RIW2_071	28-Sep-20	F	Turbidity (NTU)	11.7	24.4	32.7	<p>Possible reason: Natural variation in water quality in the vicinity of the water quality monitoring station due to rainy weather.</p> <p>Action taken/ to be taken: Checking with contractor for the construction activities conducted on 28 September 2020. No exceedance was recorded on 30 September 2020.</p> <p>Remarks/ Other Observations: The weather was rainy from 27 to 28 September 2020. Water slightly grey in colour was observed at monitoring station F during water quality monitoring. RC works, demilition of median island and piling were commenced at RIW2 construction site area under Contract No. NE/2017/03 on 28 September 2020. No surface runoff affecting the surrounding gullies or public drainages was observed. Turbidity and suspended soil results were not high at station E (7.6NTU and 2.7mg/L) and station AC2 (5.2NTU and 4.8mg/L) but high at station AC3 (12.3NTU and 24.9mg/L). In view of the above, it is considered that there were no evidence to suggest the exceedances were related to Project works at RIW2.</p>
			pH	7.5	6.6-8.4	6.5-8.5	
			SS (mg/L)	25.3	17.0	23.8	
			DO(mg/l)	7.6	5.8	5.5	