



Ref no.	Date	Location	Parameters (Unit)	Measured	Action Level	Limit Level	Follow-up action
X_18RIW2_017	05-Jun-19	I	Turbidity (NTU)	142.4	206.9	214.2	<p>Possible reason: Natural variation in water quality due to raining and other possible contribution from the other streams at upstream position in the vicinity of the water quality monitoring station.</p> <p>Action taken/ to be taken: Checking with contractor for the construction activities conducted on 5 June 2019. Reviewing the suspended solid results on 8 June 2019, no exceedances were recorded.</p> <p>Remarks/ Other Observations: Amber rainstorm warning signal was enforced on 4 June 2019. The weather condition was raining heavily from 3 to 4 June 2019. Milky water was observed at monitoring station I during water quality monitoring. Survey, settlement marker and construction of haul road were commenced at RIW3 construction site area under Contract No. NE/2017/03 on the 5 June 2019, however, no surface runoff and no effluent discharge from construction works area into the concerned waterbody was observed during monitoring. In view of the above, it is considered that there were no evidence to suggest the exceedances were related to Project works at RIW3. Daily programme, site condition photos and the abstract of weather information from HKO are attached for reference.</p>
			pH	7.3	6.6-8.4	6.5-8.5	
			SS (mg/L)	176.5	172.8	201.4	
			DO(mg/l)	8.0	5.8	5.5	



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X_18RIW2_017	10-Jun-19	F	Turbidity (NTU)	181.6	24.4	32.7	<p>Possible reason: Natural variation in water quality due to raining in the vicinity of the water quality monitoring station.</p> <p>Action taken/ to be taken: A repeated in-situ measurement (Turbidity = 185.8 NTU) had been conducted immediately to confirm the exceedances. Checking with contractor for the construction activities conducted on 10 June 2019. Increased the monitoring frequency to daily on 11 June 2019, no exceedance was recorded. For suspended solid, no exceedance was recorded on 12 June 2019. Data sheet are attached for reference.</p> <p>Remarks/ Other Observations: The weather condition was rainy from 9 to 10 June 2019. Silty water was observed at monitoring station F during water quality monitoring. Site clearance, central median removal and survey checking were commenced at RIW2 construction site area under Contract No. NE/2017/03 on the 10 June 2019 and and survey checking was commenced at RIW2 on 11 June 2019, however, no surface runoff and no effluent discharge from construction works area into the concerned waterbody was observed during monitoring and afterward daily 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. Daily programme, site condition photos and the abstract of weather information from HKO are attached for reference.</p>
			pH	7.5	6.6-8.4	6.5-8.5	
			SS (mg/L)	148.0	17.0	23.8	
			DO(mg/l)	7.7	5.8	5.5	



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X_18RIW2_019	14-Jun-19	F	Turbidity (NTU)	54.1	24.4	32.7	Possible reason: Natural variation in water quality due to raining in the vicinity of the water quality monitoring station and other suspected contribution from other construction site activities at Fei Ha Road.
			pH	10.4	6.6-8.4	6.5-8.5	
			SS (mg/L)	52.7	17.0	23.8	Action taken/ to be taken: A repeated in-situ measurement (Turbidity = 53.74 NTU) had been conducted immediately to confirm the exceedances. Checking with contractor for the construction activities conducted on 14 June 2019. Increased the monitoring frequency to daily on 15 June 2019, no exceedance was recorded. For pH, A repeated in-situ measurement (pH = 10.41) had been conducted immediately to confirm the exceedances. Increased the monitoring frequency to daily on 15 and 16 June 2019, while exceedance was recorded on 15 June 2019 (pH = 9.8) but no exceedance was recorded on 16 June 2019. For suspended solid, no exceedance was recorded on 17 June 2019. Data sheet are attached for reference.
			DO(mg/l)	8.1	5.8	5.5	



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X_18RIW2_020	21-Jun-19	F	Turbidity (NTU)	13.1	24.4	32.7	<p>Possible reason: Natural variation in water quality in the vicinity of the water quality monitoring station.</p> <p>Action taken/ to be taken: A repeated in-situ measurement (pH = 8.5) had been conducted immediately to confirm the exceedance. Checking with contractor for the construction activities conducted on 21 June 2019 and review the data of control station E and reference station AC1, AC2 and AC3. Data sheet are attached for reference.</p> <p>Remarks/ Other Observations: The weather condition was rainy from 20 to 21 June 2019. No abnormal condition of the water was observed at monitoring station F during water quality monitoring. Higher readings of pH were recorded at monitoring station AC2 (pH = 8.6) and AC3 (pH=8.5), the upstream stations at Fei Ha Road. No abnormal condition of water at both stations were observed. Survey checking and central median removal were commenced at RIW2 construction site area under Contract No. NE/2017/03 on 21 June 2019, however, no major works that would cause chemical change of water, no surface runoff and no effluent discharge from construction works area into the concerned waterbody was observed during 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. Daily programme, site condition photos and the abstract of weather information from HKO are attached for reference.</p>
			pH	8.5	6.6-8.4	6.5-8.5	
			SS (mg/L)	2.8	17.0	23.8	
			DO(mg/l)	7.2	5.8	5.5	