



Ref no.	Date	Location	Parameters (Unit)	Measured	Action Level	Limit Level	Follow-up action
X_18RIW2_026	1-Aug-19	F	Turbidity (NTU)	61.4	24.4	32.7	<p>Possible reason: Natural variation in water quality due to heavy raining in the vicinity of the water quality monitoring station.</p> <p>Action taken/ to be taken: A repeated in-situ measurement (Turbidity = 61.42 NTU) had been conducted immediately to confirm the exceedances. Checking with contractor for the construction activities conducted on 1 August 2019. Increased the monitoring frequency to daily on 2 August 2019, exceedance was recorded (Turbidity = 46.8 NTU). The follow-up monitoring was carried out until 5 August 2019 and no exceedances were recorded on 4 and 5 August 2019. For suspended solid, exceedance was still recorded on 3 August 2019 and no exceedance until 5 August 2019.</p> <p>Remarks/ Other Observations: Amber rainstorm warning signal was enforced on 31 July and 1 August 2019. The weather condition was rainy from 31 July to 1 August 2019. Silty water was observed at monitoring station F during water quality monitoring. Site clearance, slope works and central media removal checking were commenced at RIW2 construction site area under Contract No. NE/2017/03 on the 1 August 2019 and Site clearance, slope works and soil nail were commenced at RIW2 on 2 August 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.</p>
			pH	8.4	6.6-8.4	6.5-8.5	
			SS (mg/L)	52.0	17.0	23.8	
			DO(mg/l)	7.4	5.8	5.5	
X_18RIW2_027	3-Aug-19	F	Turbidity (NTU)	35.8	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 = 35.8 NTU) had been conducted immediately to confirm the exceedances. Checking with contractor for the construction activities conducted on 3 August 2019. Increased the monitoring frequency to daily on 4 August 2019, no exceedance was recorded. The follow-up monitoring was carried out until 5 August 2019 and no exceedances were recorded. For suspended solid, no exceedance was recorded on 5 August 2019.</p> <p>Remarks/ Other Observations: Amber rainstorm warning signal was enforced on 1 and 2 August 2019. The weather condition was rainy on 3 August 2019. Milky water was observed at monitoring station F during water quality monitoring. Site clearance, slope works and soil nail were commenced at RIW2 construction site area under Contract No. NE/2017/03 on the 3 August 2019 and no works at RIW2 on 4 August 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.</p>
			pH	8.4	6.6-8.4	6.5-8.5	
			SS (mg/L)	24.2	17.0	23.8	
			DO(mg/l)	8.7	5.8	5.5	



Ref no.	Date	Location	Parameters (Unit)	Measured	Action Level	Limit Level	Follow-up action
X_18RIW3_028	3-Aug-19	I	Turbidity (NTU)	62.4	206.9	214.2	<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 = 9.62) had been conducted immediately to confirm the exceedances. Checking with contractor for the construction activities conducted on 3 August 2019. Increased the monitoring frequency to daily on 4 August 2019, no exceedance was recorded.</p> <p>Remarks/ Other Observations: Amber rainstorm warning signal was enforced on 1 and 2 August 2019. The weather condition was rainy on 3 August 2019. Silty water was observed at monitoring station I during water quality monitoring. The high readings of pH was also recored at monitoring station H, the upstream station at Ma Yau Tong, (pH = 10.9) and silty water was observed from the water collected. Survey, rock slope excavation, haul road and installation of fence were commenced at RIW3 construction site area under Contract No. NE/2017/03 on 3 August 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 RIW3.</p>
			pH	9.6	6.6-8.4	6.5-8.5	
			SS (mg/L)	150.0	172.8	201.4	
			DO(mg/l)	7.9	5.8	5.5	
X_18RIW2_029	9-Aug-19	F	Turbidity (NTU)	19.7	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: Checking with contractor for the construction activities conducted on 9 August 2019. No exceedance was recorded on 12 August 2019.</p> <p>Remarks/ Other Observations: Silty water was observed at monitoring station F during water quality monitoring. The high readings of suspended solid was also recored at monitoring station AC2, one of the upstream stations at Fei Ha Road, (Suspended solid = 34.5 mg/L) and silty water was observed from the water collected. Survey checking, site clearance and soil nail were commenced at RIW2 construction site area under Contract No. NE/2017/03 on 9 August 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.</p>
			pH	8.0	6.6-8.4	6.5-8.5	
			SS (mg/L)	38.7	17.0	23.8	
			DO(mg/l)	7.5	5.8	5.5	



Ref no.	Date	Location	Parameters (Unit)	Measured	Action Level	Limit Level	Follow-up action
X_18RIW2_030	16-Aug-19	I	Turbidity (NTU)	200.5	206.9	214.2	Possible reason: Natural variation in water quality in the vicinity of the water quality monitoring station or contribution from other drainages possibly connected to the station.
			pH	8.4	6.6-8.4	6.5-8.5	Action taken/ to be taken: Checking with contractor for the construction activities conducted on 16 August 2019. No exceedance was recorded on 19 August 2019.
			SS (mg/L)	205.0	172.8	201.4	
			DO(mg/l)	7.6	5.8	5.5	
							Remarks/ Other Observations: The weather condition was rainy on 16 August 2019. Muddy water was observed at monitoring station I during water quality monitoring. Survey, rock slope excavation and installation of fence were commenced at RIW3 construction site area under Contract No. NE/2017/03 on 16 August 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 RIW3.
X_18RIW2_031	19-Aug-19	F	Turbidity (NTU)	97.6	24.4	32.7	Possible reason: Discharge of silty water from construction site was observed, hence, the exceedances were project related.
			pH	8.4	6.6-8.4	6.5-8.5	Action taken/ to be taken: A repeated in-situ measurement (Turbidity = 102.6 NTU) had been conducted immediately to confirm the exceedances. Checking with contractor for the construction activities conducted on 19 August 2019. Increased the monitoring frequency to daily on 20 August 2019, no exceedance was recorded. For suspended solid, no exceedance was recorded on 21 August 2019.
			SS (mg/L)	182.5	17.0	23.8	
			DO(mg/l)	7.2	5.8	5.5	
							Remarks/ Other Observations: Silty water was observed at monitoring station F during water quality monitoring. Discharge of silty water into the drainage was also observed at RIW2 intermittently. Site clearance, slope works and soil nail were commenced at RIW2 construction site area under Contract No. NE/2017/03 on 19 August 2019, silty water discharged from construction works area into the concerned waterbody was observed during monitoring. In view of the above, it is considered that the exceedances was related to Project works at RIW2
X_18RIW2_032	23-Aug-19	F	Turbidity (NTU)	7.3	24.4	32.7	Possible reason: Natural variation in water quality in the vicinity of the water quality monitoring station.
			pH	8.2	6.6-8.4	6.5-8.5	Action taken/ to be taken: Checking with contractor for the construction activities conducted on 23 August 2019. Exceedance was still recorded on 26 August 2019.
			SS (mg/L)	18.6	17.0	23.8	
			DO(mg/l)	7.6	5.8	5.5	
							Remarks/ Other Observations: No abnormal observation at monitoring station F during water quality monitoring. The high readings of suspended solid was also recored at monitoring station AC2 and AC3, the upstream stations at Fei Ha Road, (Suspended solid = 22.2 and 27.6 mg/L). Site clearance, and slope works and soil nail were commenced at RIW2 construction site area under Contract No. NE/2017/03 on 23 August 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



Ref no.	Date	Location	Parameters (Unit)	Measured	Action Level	Limit Level	Follow-up action
X_18RIW2_033	26-Aug-19	F	Turbidity (NTU)	23.6	24.4	32.7	<p>Possible reason: Natural variation or changes of water quality in the vicinity of water abstraction location for the water quality monitoring station.</p> <p>Action taken/ to be taken: Checking with contractor for the construction activities conducted on 26 August 2019. Reviewing the suspended solid results on 28 August 2019, exceedance was still recorded.</p> <p>Remarks/ Other Observations: Amber rainstorm warning signal was enforced on 25 and 26 August 2019. The weather condition was rainy From 25 to 26 August 2019. Milky water was observed at monitoring station F during water quality monitoring. The high readings of suspended solid was also recored at monitoring station E, AC2 and AC3, the upstream stations at Fei Ha Road, (Suspended solid = 18.7, 19.3 and 17.0 mg/L). Site clearance, and slope works and soil nail were commenced at RIW2 construction site area under Contract No. NE/2017/03 on 23 August 2019 but 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</p>
			pH	8.0	6.6-8.4	6.5-8.5	
			SS (mg/L)	19.8	17.0	23.8	
			DO(mg/l)	6.4	5.8	5.5	
X_18RIW2_034	28-Aug-19	F	Turbidity (NTU)	16.1	24.4	32.7	<p>Possible reason: Natural variation or changes of water quality in the vicinity of water abstraction location for the water quality monitoring station.</p> <p>Action taken/ to be taken: Checking with contractor for the construction activities conducted on 28 August 2019. Reviewing the suspended solid results on 30 August 2019, exceedance was still recorded.</p> <p>Remarks/ Other Observations: The weather condition was rainy on 27 August 2019. Milky water was observed at monitoring station F during water quality monitoring. Site clearance, and slope works and soil nail were commenced at RIW2 construction site area under Contract No. NE/2017/03 on 28 August 2019 but 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.</p>
			pH	7.5	6.6-8.4	6.5-8.5	
			SS (mg/L)	18.5	17.0	23.8	
			DO(mg/l)	7.6	5.8	5.5	
X_18RIW2_035	30-Aug-19	F	Turbidity (NTU)	19.5	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: Checking with contractor for the construction activities conducted on 30 August 2019. No exceedance was recorded on 2 September 2019.</p> <p>Remarks/ Other Observations: The weather condition was rainy from 29 to 30 August 2019. NO abnormal water condition was observed at monitoring station F during water quality monitoring. Site clearance, slope works and soil nail were commenced at RIW2 construction site area under Contract No. NE/2017/03 on 30 August 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.</p>
			pH	7.5	6.6-8.4	6.5-8.5	
			SS (mg/L)	55.9	17.0	23.8	
			DO(mg/l)	7.5	5.8	5.5	



Ref. No.	Date	Time	Location	Measured TSP Level	Unit	Action Level	Limit Level	Follow-up action
X_19A001	24-Aug-19	9:29	LTR_AMS-3 - Po Tat Estate Tat Kai House	299.1	1 hr TSP (ug/m ³)	285.1	500	<p>Possible reason: Elevated TSP level in relate to local ambient condition around monitoring station</p> <p>Action taken / to be taken: Reviewed the trend of air quality measurement across monitoring stations. Analysis of contractor's working procedures. Mitigation measures including maintaining haul road in dampened condition was implemented by contractor. Additional monitoring has been done on 26 August 2019 and no exceedance was recorded.</p> <p>Remarks / Other Obs: Poor AQHI in general was recorded n 24 August 2019. Survey, rock slope excavation, fence installation and haul road construction were undertaken on the monitoring date at around Lin Tak Road and Sau Mau Ping Road. Dust suppression measure including haul road maintained in dampened condition and slope was stablized by concrete were implemented and no particular observation regarding air quality impact was observed during sampling. In view of the above, the action level exceedance was considered to be non-project related and contributed by local ambient condition. In addition, non WDI-CWB Project construction activities opposite to the monitoring station was observed on the monitoring date. Nevertheless, the Contractor of HK/2012/08 was reminded to maintain regularly dust suppression measures for any potential dusty surface and dust generating</p>