



Lam Environmental Services Limited

Service Contract No. EDO/01/2017

Environmental Team for Development of Anderson Road Quarry Site

Road Improvement Works

Summary for Notification of Exceedance

Ref no.	Date	Location	Parameters (Unit)	Measured	Action Level	Limit Level	Follow-up action
X_20RIW3_052	02-May-20	I	Turbidity (NTU)	197.3	206.9	214.2	<p>Possible reason:</p> <p>Abnormal discharge and contribution from other drainages possibly connected to the station at upstream.</p> <p>Action taken/ to be taken:</p> <p>Checking with contractor for the construction activities conducted on 2 May 2020. No exceedance was recorded on 4 May 2020.</p> <p>Remarks/ Other Observations:</p> <p>Water was dark in colour and residue in dark colour was observed at monitoring station I during water quality monitoring. Rock slope excavation, concreting for working platform, retaining wall(formwork) and mini pile were commenced at RIW3 construction site area under Contract No. NE/2017/03 on 2 May 2020, however, no surface runoff but effluent discharge from construction works area into the concerned waterbody was observed during monitoring. No abnormal condition was observed at station H, upstream reference station at Ma Yau Tong, turbidity (19.6 NTU) and suspended solid results (9.2 mg/L) were higher than the result at station I. The weather was not rainy from 1 to 2 May 2020, runoff or discharge 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)	593.0	172.8	201.4	
			DO(mg/l)	7.7	5.5	5.4	
X_20RIW3_053	18-May-20	I	Turbidity (NTU)	202.1	206.9	214.2	<p>Possible reason:</p> <p>Poor water quality from upstream due to rainy weather or discharge from unknown sources.</p> <p>Action taken/ to be taken:</p> <p>Checking with contractor for the construction activities conducted on 18 May 2020. No exceedance was recorded on 20 May 2020.</p> <p>Remarks/ Other Observations:</p> <p>Silty water was observed at monitoring station I during water quality monitoring. Rock slope excavation, concreting for working platform, retaining wall (excavation) and mini pile were commenced at RIW3 construction site area under Contract No. NE/2017/03 on 18 May 2020, however, no surface runoff leakage 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, and high turbidity (341.9 NTU) and suspended solid results (308 mg/L) were recorded at station I. The weather was rainy from 18 May 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	8.0	6.6-8.4	6.5-8.5	
			SS (mg/L)	215.5	172.8	201.4	
			DO(mg/l)	5.6	5.5	5.4	
X_20RIW2_054	18-May-20	F	Turbidity (NTU)	23.2	24.4	32.7	<p>Possible reason:</p> <p>Natural variation in water quality due to rainy weather on 18 May 2020 in the vicinity of the water quality monitoring station.</p> <p>Action taken/ to be taken:</p> <p>Checking with contractor for the construction activities conducted on 18 May 2020. No exceedance was recorded on 20 May 2020.</p> <p>Remarks/ Other Observations:</p> <p>Slightly milky water was observed at monitoring station F during water quality monitoring. Formwork installation was commenced at RIW2 construction site area under Contract No. NE/2017/03 on 18 May 2020, however, no surface runoff was observed leaking into nearby gullies during monitoring. The weather was rainy on 18 May 2020 and amber rainstorm warning signal was enforced. High turbidity and suspended solid results were also recorded at station AC2 (31.4NTU and 33.8mg/L) and station AC3 (26.3NTU and 40.7mg/L), it is considered that the exceedances were not related to Project works at RIW2</p>
			pH	8.1	6.6-8.4	6.5-8.5	
			SS (mg/L)	39.6	17.0	23.8	
			DO(mg/l)	7.0	5.8	5.5	



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X_20RIW2_055	27-May-20	F	Turbidity (NTU)	110.7	24.4	32.7	<p>Possible reason:</p> <p>Silty discharge was observed at Station AC3, the assigned location of discharge by discharge license on 27 May 2020.</p> <p>Action taken/ to be taken:</p> <p>A repeated in-situ measurement (turbidity = 111.05) had been conducted immediately to confirm the exceedances. Checking with contractor for the construction activities conducted on 27 May 2020. Increased the monitoring frequency to daily on 28 May 2020, no exceedance was recorded. For suspended solid, no exceedance was recorded on 29 May 2020.</p> <p>Remarks/ Other Observations:</p> <p>Silty water was observed at monitoring station F during water quality monitoring. Formwork installation and platform block installation were commenced at RIW2 construction site area under Contract No. NE/2017/03 on 27 May 2020, no surface runoff was observed leaking into nearby gullies during monitoring but silty discharge from the waste water treatment facility into the discharge point at upstream was observed. Turbidity and suspended solid results were not high at station AC2 (8.5NTU and 49.1mg/L) and station AC3 (6.5NTU and 4.9mg/L), it is considered that the exceedances were project related.</p>
			pH	8.1	6.6-8.4	6.5-8.5	
			SS (mg/L)	58.2	17.0	23.8	
			DO(mg/l)	7.8	5.8	5.5	
X_20RIW2_056	08-Jun-20	F	Turbidity (NTU)	122.9	24.4	32.7	<p>Possible reason:</p> <p>Investigation of the exceedances were still in progress and would be reported in the coming report</p> <p>Action taken/ to be taken:</p> <p>Investigation of the exceedances were still in progress and would be reported in the coming report</p> <p>Remarks/ Other Observations:</p>
			pH	8.0	6.6-8.4	6.5-8.5	
			SS (mg/L)	260.5	17.0	23.8	
			DO(mg/l)	7.9	5.8	5.5	
X_20RIW2_057	10-Jun-20	F	Turbidity (NTU)	23.9	24.4	32.7	<p>Possible reason:</p> <p>Investigation of the exceedances were still in progress and would be reported in the coming report</p> <p>Action taken/ to be taken:</p> <p>Investigation of the exceedances were still in progress and would be reported in the coming report</p> <p>Remarks/ Other Observations:</p>
			pH	8.1	6.6-8.4	6.5-8.5	
			SS (mg/L)	42.0	17.0	23.8	
			DO(mg/l)	5.8	5.8	5.5	



Ref. No.	Date	Time	Location	Construction Noise Level, dB(A)	Parameter	Action Level	Limit Level dB(A)	Follow-up action
X_N003	28-May-20	10:39	NMC05 - G/F, Hong Wah Court Block B Yee Hong House	78	Leq(30-min)	when one documented complaint was received.	75	<p>Possible reason: Drilling works and excavator at the slope of Lin Tak Road</p> <p>Action taken / to be taken: Repeat measurement to confirm result and reviewed the trend of noise measurement. Analysis of contractor's working procedure. Additional monitoring was conducted on 29 May 2020 and exceedance of limit level was still recorded, therefore, follow-up monitoring has been conducted on 30 May 2020 and no further exceedance was recorded.</p> <p>Remarks / Other Obs: Rock slope excavation works, mini pile, concreting for working platform, pile cap and ELS welding for retaining wall at RIW3 were conducted under Contract NE/2017/03 around the concerned location during the time of measurement. The drilling works at Lin Tak Road was identified as the major noise source causing the exceedance by the observation during measurement on 28 May 2020. The working area of the driller was not covering by noise barrier or other mitigation measures for minimising the construction noise. As such, the exceedance was considered as project related.</p>
X_N004	11-Jun-20	15:48	NMC05 - G/F, Hong Wah Court Block B Yee Hong House	80	Leq(30-min)	when one documented complaint was received.	75	<p>Possible reason: Investigation of the exceedance was still in progress and would be reported in the coming report.</p>