

Appendix M Investigation Report for Exceedances

Entrusted Portion of Widening of Tolo Highway / Fanling Highway between Island House Interchange and Fanling Stage 2

Investigation Report of Environmental Quality Exceedance(s)

Ref. No.: W160219_DO

Date	19 February 2016
Time	02:26 PM
Monitoring Location	I5 - downstream of Ma Wat River at Yuen Leng
Parameter	Dissolved Oxygen
Action / Limit Levels	Action Level: 6.7 mg/L Limit Level: 4 mg/L or 40% saturation at 15 degree Celsius
Measured Level	5.4mg/L (Action level being exceeded)
Possible reason for the exceedance	According to the Contractor's work programme, the box culvert works originally scheduled from 19 February 2016 were now cancelled and postponed. As such, there were no works being carried out in the proximity of the river channel during the water sampling on 19 February 2016 (refer to attached photos) and the exceedance would unlikely due to the above said works.
Action taken / to be taken	As the non-compliance was non-project related, no further investigation and remedial measure(s) would be required. The impact monitoring for water quality has been postponed until the box culvert works re-commence. Nonetheless, the Contractor has been reminded to closely monitor the mitigation measures and ensure no site-runoff into the river channel.
Remarks	-

Site photos at I5 during water sampling (Date: 19 February 2016)



Entrusted Portion of Widening of Tolo Highway / Fanling Highway between Island House Interchange and Fanling Stage 2

Investigation Report of Environmental Quality Exceedance(s)

Ref. No.: W160222_DO

Date	22 February 2016
Time	11:47 AM
Monitoring Location	I5 - downstream of Ma Wat River at Yuen Leng
Parameter	Dissolved Oxygen
Action / Limit Levels	Action Level: 6.7 mg/L Limit Level: 4 mg/L or 40% saturation at 15 degree Celsius
Measured Level	4.3mg/L (Action level being exceeded)
Possible reason for the exceedance	According to the Contractor's work programme, the box culvert works originally scheduled from 19 February 2016 were now cancelled and postponed. As such, there were no works being carried out in the proximity of the river channel during the water sampling on 22 February 2016 (refer to attached photos) and the exceedance would unlikely due to the above said works.
Action taken / to be taken	As the non-compliance was non-project related, no further investigation and remedial measure(s) would be required. The impact monitoring for water quality has been postponed until the box culvert works re-commence. Nonetheless, the Contractor has been reminded to closely monitor the mitigation measures and ensure no site-runoff into the river channel.
Remarks	-

Site photos at I5 during water sampling (Date: 22 February 2016)



Entrusted Portion of Widening of Tolo Highway / Fanling Highway between Island House Interchange and Fanling Stage 2

Investigation Report of Environmental Quality Exceedance(s)

Ref. No.: W160222_Tby

Date	22 February 2016
Time	11:47 AM
Monitoring Location	I5 - downstream of Ma Wat River at Yuen Leng
Parameter	Turbidity
Action / Limit Levels	Action level: 81.9 NTU or 120% of upstream control station's Tby (4.8NTU) of the same day (i.e. 5.8NTU) Limit Level: 91.9 NTU or 130% of upstream control station's Tby (4.8NTU) of the same day (i.e. 6.2NTU)
Measured Level	17.7NTU (Limit level being exceeded - 130% of C3b)
Possible reason for the exceedance	<p>According to the Contractor's work programme, the box culvert works originally scheduled from 19 February 2016 were now cancelled and postponed. As such, there were no works being carried out in the proximity of the river channel during the water sampling on 22 February 2016 (refer to attached photos) and the exceedance would unlikely due to the above said works.</p> <p>For comparison, during baseline monitoring the turbidity level can be as high as 86.9NTU and 116NTU at C3a and at C3b respectively. The recorded turbidity level at I5 has not exceeded the maximum recorded level of 92.3NTU during baseline monitoring.</p>
Action taken / to be taken	<p>As the non-compliance was non-project related, no further investigation and remedial measure(s) would be required.</p> <p>The impact monitoring for water quality has been postponed until the box culvert works re-commence. Nonetheless, the Contractor has been reminded to closely monitor the mitigation measures and ensure no site-runoff into the river channel.</p>
Remarks	-

Site photos at I5 during water sampling (Date: 22 February 2016)

