

# 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.: W170322\_DO

<b>Date</b>	22 March 2017
<b>Time</b>	12:22 PM
<b>Monitoring Location</b>	I5 - downstream of Ma Wat River at Yuen Leng
<b>Parameter</b>	Dissolved Oxygen
<b>Action / Limit Levels</b>	Action Level: 6.7 mg/L Limit Level: 4 mg/L or 40% saturation at 15 degree Celsius
<b>Measured Level</b>	6.4mg/L (Action level being exceeded)
<b>Possible reason for the exceedance</b>	The exceedance has been investigated and was considered not related to the project works as DO levels were low among all monitoring stations, including the control stations. No abnormal condition was observed during the monitoring. As such, the natural variation of water quality has been considered attributed to the low DO level.
<b>Action taken / to be taken</b>	As the non-compliance was non-project related, no further investigation and remedial measure(s) would be required.
<b>Remarks</b>	-

Site photos during water sampling (Date: 22 March 2017)



(At C3a)



(At I5)

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.: W170329\_DO

<b>Date</b>	29 March 2017
<b>Time</b>	11:34 AM
<b>Monitoring Location</b>	I5 - downstream of Ma Wat River at Yuen Leng
<b>Parameter</b>	Dissolved Oxygen
<b>Action / Limit Levels</b>	Action Level: 6.7 mg/L Limit Level: 4 mg/L or 40% saturation at 15 degree Celsius
<b>Measured Level</b>	6.3mg/L (Action level being exceeded)
<b>Possible reason for the exceedance</b>	The exceedance has been investigated and was considered not related to the project works as DO levels were low among all monitoring stations, including the control stations. No abnormal condition was observed during the monitoring. As such, the natural variation of water quality has been considered attributed to the low DO level.
<b>Action taken / to be taken</b>	As the non-compliance was non-project related, no further investigation and remedial measure(s) would be required.
<b>Remarks</b>	-

Site photos during water sampling (Date: 29 March 2017)



(At C3a)



(At I5)

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.: W170331\_SS

<b>Date</b>	31 March 2017
<b>Time</b>	12:42 PM
<b>Monitoring Location</b>	I5 - downstream of Ma Wat River at Yuen Leng
<b>Parameter</b>	Suspended Solid
<b>Action / Limit Levels</b>	Action Level: 42.6 mg/L or 120% of upstream control station's SS of the same day (i.e. 36mg/L) Limit Level: 46.8 mg/L or 130% of upstream control station's SS of the same day (i.e. 39mg/L)
<b>Measured Level</b>	40.5mg/L (Limit level being exceeded)
<b>Possible reason for the exceedance</b>	<p>There was rain and the river was muddy due to vigorous water flow. The disturbed riverbed caused an elevation of suspended solids level. Control station C3a also showed elevated suspended solids level due to the adverse weather condition.</p> <p>During the water sampling, the box culvert works had been completed and post monitoring had begun. There was no works being carried out.</p> <p>It is therefore considered that elevation of suspended solids level would be due to natural fluctuation.</p>
<b>Action taken / to be taken</b>	As the non-compliance was non-project related, no further investigation and remedial measure(s) would be required.
<b>Remarks</b>	-

Site photos during water sampling (Date: 31 March 2017)



(At C3a)



(At I5)