



Ref. No.	Date	Time	Location	Construction Noise Level, dB(A)	Parameter	Action Level	Limit Level dB(A)	Follow-up action
X_16N0049	28-Jun-16	10:25	M1a-Harbour Road Sports Centre	84	Leq(30min)	when one documented complaint was received.	75	<p>Possible reason: Operation of drill rig opposite to the monitoring station was observed as the major noise contribution under non WDII-CWB Contractor.</p> <p>Action taken / to be taken: A repeat measurement was conducted to confirm result and reviewed the trend of previous noise monitoring and Contractor's working procedure.</p> <p>Remarks / Other Obs: Excavation work at Portion 5 was conducted under Contract HK/2009/02 around the concerned location during the time of measurement while operation of drill rig opposite to the monitoring station under non WDII-CWB Contractor was observed as the major noise contribution during monitoring. As such, the exceedance was considered as non-Project related.</p>
X_16N050	28-Jun-16	10:25	M1a-Harbour Road Sports Centre	84	Leq(30min)	when one documented complaint was received.	75	<p>Possible reason: Operation of drill rig opposite to the monitoring station was observed as the major noise contribution under non WDII-CWB Contractor.</p> <p>Action taken / to be taken: A repeat measurement was conducted to confirm result and reviewed the trend of previous noise monitoring and Contractor's working procedure.</p> <p>Remarks / Other Obs: Backfilling work was conducted under Contract HK/2009/01 at Area 8 (West of Wan Chai Ferry Pier) during the time of measurement while operation of drill rig opposite to monitoring station under non WDII-CWB Contractor was observed as the major noise contribution during monitoring. As such, the exceedance was considered as non-Project related.</p>
X_16N051	12-Jul-16	9:45	M6 - HK Baptist Church Henrietta Secondary School	69	Leq(30min)	when one documented complaint was received.	65	<p>Possible reason: Traffic nearby was observed during monitoring and was considered as the major noise contribution.</p> <p>Action taken / to be taken: Repeated measurement to confirm result and reviewed the trend of noise measurement. Analysis of contractor's working procedure.</p> <p>Remarks / Other Obs: Only fixing of cast-in-item and segment erection with launching girder were conducted under Contract HY/2009/19 around the monitoring location and nearby traffic noise was observed as major noise source during monitoring. As such, the exceedance was considered as non-Project related.</p>



Ref no.	Date	Tidal	Location	Depth	Parameters (Unit)	Measured	Action Level	Limit Level	Follow-up action
X_16D0019	2-Jul-16	Mid-flood	Ex-WPCWA SW	Middle	DO(mg/l)	2.36	3.19	3.10	<p>Possible reason: Upstream organic discharge from Culvert O was observed and suspected potential embayment effect as a result of the partial silt curtain deployed.</p> <p>Action taken/ to be taken: Immediate repeat measurement to confirm the exceedance. The dissolved oxygen level of the repeated measurement at the same monitoring location on the same date and tide was: <u>2 July 2016 flood tide 2.51mg/L</u>. Obstruction at the outfall location of culvert O was subsequently removed by Contractor of HY/2009/15 on 05 July 2016 to avoid further potential adverse impact on dissolved oxygen at the concerned location</p> <p>Remarks/ Other Obs: Transfer of mud from shaft B to barge was observed conducted under Contract HY/2009/15 at Ex-PCWA during sampling at flood tide and silt curtain was observed deployed at the outfall location of culvert O. The silt curtain was observed partially deployed (without extending to water column) at the outfall location of Culvert O. In view of the environmental concern on potential accumulation of organic pollutant in relate to the embayment effect at the concerned location due to the silt curtain deployment, the Contractor of HY/2009/15 was advised to remove any silt curtain/ impermeable deployed at the outfall location of Culvert O. All obstruction at the outfall location of culvert O was subsequently removed by Contractor of HY/2009/15 on 05 July 2016. No further dissolved oxygen exceedance was recorded during subsequent monitoring conducted on 04 July 2016 during flood tide: <u>4 July 2016 flood tide 4.17mg/L</u>. Considering the upstream organic discharge influence and the partial silt curtain deployment (without extending to water column) observed during monitoring, the implication of the partially deployed silt curtain on the water circulation could not concluded. Nevertheless, the Contractor of HY/2009/15 was advised that any silt curtain/ impermeable barrier shall NOT be deployed at the Culvert O outfall location so that the water circulation would not be adversely affected. In addition, the Contractor of HY/2009/15 was reminded to maintain a tarpaulin sheet between the shaft and barge during soil material transfer to avoid potential drop off to nearby waters and to maintain a proper deployment of silt curtain extending throughout the water column around the derrick barge during excavated material transfer to avoid potential muddy dispersion.</p>
X_16D0020	4-Jul-16	Mid-ebb	Ex-WPCWA SW	Surface	DO(mg/l)	1.61	3.19	3.10	<p>Possible reason: Upstream organic discharge from Culvert O was observed and suspected potential embayment effect as a result of the partial impermeable barrier deployed.</p> <p>Action taken/ to be taken: Immediate repeat measurement to confirm the exceedance. The dissolved oxygen level of the repeated measurement at the same monitoring location on the same date and tide was: <u>4 July 2016 ebb tide 1.60mg/L</u>.</p> <p>Obstruction at the outfall location of culvert O was subsequently removed by Contractor of HY/2009/15 on 05 July 2016 to avoid further potential adverse impact on dissolved oxygen at the concerned location.</p> <p>Remarks/ Other Obs: Removal of steel brackets was observed conducted under Contract HY/2009/15 at Ex-PCWA during sampling at ebb tide and impermeable barrier was observed deployed at the outfall location of culvert O. The impermeable barrier was observed partially deployed (without extending to water column) at the outfall location of Culvert O. In view of the environmental concern on potential accumulation of organic pollutant in relate to the embayment effect at the concerned location due to the silt curtain deployment, the Contractor of HY/2009/15 was advised to remove any silt curtain/ impermeable deployed at the outfall location of Culvert O. All obstruction at the outfall location of culvert O was subsequently removed by Contractor of HY/2009/15 on 05 July 2016. No further dissolved oxygen exceedance was recorded during subsequent monitoring conducted on 04 July 2016 during flood tide: <u>4 July 2016 flood tide 4.17mg/L</u>. Considering the upstream organic discharge influence and the partial impermeable barrier deployment (without extending to water column) observed during monitoring, the implication of the partially deployed impermeable barrier on the water circulation could not concluded. Nevertheless, the Contractor of HY/2009/15 was advised that any silt curtain/ impermeable barrier shall NOT be deployed at the Culvert O outfall location so that the water circulation would not be adversely affected.</p>



Lam Geotechnics Limited

Contract No. HK/2015/01
Wanchai Development Phase II and Central Wanchai Bypass
Sampling, Field Measurement and Testing Work (Stage3)
Summary for Notification of Exceedance

Ref no.	Date	Tidal	Location	Depth	Parameters (Unit)	Measured	Action Level	Limit Level	Follow-up action
X_16D0021	22-Jul-16	Mid-ebb	Ex-WPCWA SE	Surface	DO(mg/l)	3.27	3.55	3.00	<p>Possible reason: Possible in relation to the upstream organic discharge.</p> <p>Action taken/ to be taken: Repeated the measurement to confirm the result. No odour nuisance was noted during the DO monitoring. Checking with Contractor works and review previous monitoring data.</p> <p>Remarks/ Other Obs: Despite removal of diaphragm wall and excavation by derrick barge at northern side of TPCWAW were conducted under Contract HY/2009/15 on the monitoring date, contractor mitigation measures including the use of silt curtain was in place. Upstream discharge from nearby culvert was noted. In view of the above and no exceedance was recorded on the subsequent monitoring, the exceedance was considered not related to the Project works.</p>



Ref no.	Date	Tidal	Location	Parameters (Unit)	Measured	Action Level	Limit Level	Follow-up action	
X_16C036	2-Jul-16	Mid-ebb	C7	DO(mg/l)	3.76	3.02	2.44	Possible reason:	Natural variation or changes of water quality in the vicinity of water abstraction location for the water quality monitoring station.
				Turbidity	34.62	11.35	12.71	Action taken/ to be taken:	Immediate repeated in-situ measurement had conducted to confirm the exceedances. Checking with contractor works and review previous monitoring data.
				SS	4.00	18.42	27.54	Remarks/ Other Obs:	No marine activity was conducted under Contract HY/2009/15 at Causeway Bay Typhoon Shelter on the monitoring date. In view of no marine construction activity, the exceedance was considered not related to Contract HY/2009/15 construction works. Despite reinstate of seawall was conducted at TS3NE corner under Contract HY/2010/08 on the monitoring date, contractor mitigation measure including the deployment of silt curtain was generally in order and installed silt screen was in place. In view of the above, and no exceedance was recorded on the subsequent monitoring, it was considered that the exceedance was not project related.
X_16C037	25-Jul-16	Mid-ebb	C7	DO(mg/l)	3.97	3.02	2.44	Possible reason:	Natural variation or changes of water quality in the vicinity of water abstraction location for the water quality monitoring station.
				Turbidity	12.08	11.35	12.71	Action taken/ to be taken:	Immediate repeated in-situ measurement had conducted to confirm the exceedances. Checking with contractor works and review previous monitoring data.
				SS	5.50	18.42	27.54	Remarks/ Other Obs:	No marine activity was conducted under Contract HY/2009/15 at Causeway Bay Typhoon Shelter on the monitoring date. In view of no marine construction activity, the exceedance was considered not related to Contract HY/2009/15 construction works. Despite placing of seawall blocks was conducted under Contract HY/2010/08 on the monitoring date, contractor mitigation measures including the use of silt curtain was in place and the installed silt screen was in place. In view of the above, and no exceedance was recorded on the subsequent monitoring, it was considered that the exceedance was not project related.