

Ref. No.	Date	Time	Location	Construction Noise Level, dB(A)	Parameter	Action Level	Limit Level dB(A)	Follow-up action
X_16N053	11-Oct-16	10:30	M1a-Harbour Road Sports Centre	80	Leq(30min)	when one documented complaint was received.	75	<p>Possible reason: Operation of generator and air compressors 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: Demolition of Ex-WanChai WSD Pumping Station by hydraulic grab and excavation at Portion 5 were conducted under Contract HK/2009/02 around the concerned location during the time of measurement. No major noise was observed from the above construction activities while operation of generator and air compressors 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_16N054	11-Oct-16	10:30	M1a-Harbour Road Sports Centre	80	Leq(30min)	when one documented complaint was received.	75	<p>Possible reason: Operation of generator and air compressors 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: Defect rectification works within tunnel structure was conducted under Contract HK/2009/01 during the time of measurement while operation of generator and air compressors 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_16N056	19-Oct-16	13:30	M1a-Harbour Road Sports Centre	81	Leq(30min)	when one documented complaint was received.	75	<p>Possible reason: Operation of generator and air compressors 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: Demolition of Ex-WanChai WSD Pumping Station and excavation at Portion 5 were conducted under Contract HK/2009/02 around the concerned location during the time of measurement. No major noise was observed from the above construction activities while operation of generator and air compressors 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_16N057	19-Oct-16	13:30	M1a-Harbour Road Sports Centre	81	Leq(30min)	when one documented complaint was received.	75	<p>Possible reason: Operation of generator and air compressors 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: Defect rectification works within tunnel structure was conducted under Contract HK/2009/01 during the time of measurement while operation of generator and air compressors 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>



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	Parameters (Unit)	Measured	Action Level	Limit Level	Follow-up action
X_16C045	5-Oct-16	Mid-flood	C1	DO(mg/l)	4.09	3.36	2.73	<b>Possible reason:</b> Natural variation or changes of water quality in the vicinity of water abstraction location for the water quality monitoring station. Transition of action and limit level from wet season.
				Turbidity	9.63	9.10	10.25	<b>Action taken/ to be taken:</b> Immediate repeated in-situ measurement had conducted to confirm the exceedances. Checking with contractor works and review previous monitoring data.
				SS	19.00	15.00	22.13	<b>Remarks/ Other Obs:</b> No marine activity was conducted under Contract HK/2009/01 on the monitoring date. In view of no marine construction activity and considering transition period from wet season to dry season, the exceedance was considered not related to Contract HK/2009/01 construction works. No marine activity was conducted under Contract HK/2009/02 on the monitoring date. In view of no marine construction activity and considering transition period from wet season to dry season, the exceedance was considered not related to Contract HK/2009/02 construction works. No exceedance was recorded on the subsequent monitoring on 5 October 2016 ebb tide.
X_16C046	5-Oct-16	Mid-ebb	P1	DO(mg/l)	2.98	3.36	2.73	<b>Possible reason:</b> Natural variation or changes of water quality in the vicinity of water abstraction location for the water quality monitoring station.
				Turbidity	3.59	9.10	10.25	<b>Action taken/ to be taken:</b> Immediate repeated in-situ measurement had conducted to confirm the exceedances. Checking with contractor works and review previous monitoring data.
				SS	4.50	15.00	22.13	<b>Remarks/ Other Obs:</b> Trimming of rock slope profile was conducted under Contract HK/2012/08 on the monitoring date. Contractor mitigation measures including the use of silt curtain was generally in place. In view of the above, the exceedance was considered not project related. No exceedance was recorded on the subsequent monitoring on 8 October 2016 ebb tide.
X_16C047	11-Oct-16	Mid-ebb	C7	DO(mg/l)	4.80	3.36	2.73	<b>Possible reason:</b> Natural variation or changes of water quality in the vicinity of water abstraction location for the water quality monitoring station.
				Turbidity	4.96	9.10	10.25	<b>Action taken/ to be taken:</b> Immediate repeated in-situ measurement had conducted to confirm the exceedances. Checking with contractor works and review previous monitoring data.
				SS	21.00	15.00	22.13	<b>Remarks/ Other Obs:</b> 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. No marine activity was conducted under Contract HY/2010/08 on the monitoring date, and the installed silt screen was in place. In view of the above, it was considered that the exceedance was not project related. No exceedance was recorded on the subsequent monitoring.



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Ref no.	Date	Tidal	Location	Parameters (Unit)	Measured	Action Level	Limit Level	Follow-up action
X_16C048	26-Oct-16	Mid-flood	C7	DO(mg/l)	6.50	3.36	2.73	<b>Possible reason:</b> Natural variation or changes of water quality in the vicinity of water abstraction location for the water quality monitoring station. Transition of action and limit level from wet season.
				Turbidity	6.30	9.10	10.25	<b>Action taken/ to be taken:</b> Immediate repeated in-situ measurement had conducted to confirm the exceedances. Checking with contractor works and review previous monitoring data.
				SS	16.00	15.00	22.13	<b>Remarks/ Other Obs:</b> 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 and considering transition period from wet season to dry season, the exceedance was considered not related to Contract HY/2009/15 construction works. No marine activity was conducted under Contract HY/2010/08 on the monitoring date, and the installed silt screen was in place. In view of the above and considering transition period from wet season to dry season, it was considered that the exceedance was not project related. No exceedance was recorded on the subsequent monitoring.



Ref no.	Date	Tidal	Location	Parameters (Unit)	Measured	Action Level	Limit Level	Follow-up action
X_16W056	3-Oct-16	Mid-ebb	WSD19	DO(mg/l)	4.00	3.66	3.28	<b>Possible reason:</b> Natural variation or changes of water quality in the vicinity of water quality monitoring station.
				Turbidity	14.56	8.04	9.49	<b>Action taken/ to be taken:</b> Immediate repeated in-situ measurement to confirm the exceedances. Checking with Contractor works and review previous monitoring data.
				SS	22.00	13.00	14.43	<b>Remarks/ Other Obs:</b> No marine activity was conducted under Contract HK/2012/08 on the monitoring date. The location of the construction area was at downstream of monitoring station WSD19 during monitoring period. In view of the above, the exceedances of turbidity and suspended solid were considered not project related.
X_16W057	5-Oct-16	Mid-flood	WSD19	DO(mg/l)	4.10	3.66	3.28	<b>Possible reason:</b> Natural variation or changes of water quality in the vicinity of water quality monitoring station. Transition of action and limit level from wet season.
				Turbidity	8.07	8.04	9.49	<b>Action taken/ to be taken:</b> Immediate repeated in-situ measurement to confirm the exceedances. Checking with Contractor works and review previous monitoring data.
				SS	11.50	13.00	14.43	<b>Remarks/ Other Obs:</b> Trimming of rock slope profile was conducted under Contract HK/2012/08 on the monitoring date. Contractor mitigation measures including the use of silt curtain was generally in place. In view of the above and considering the transition period from wet season to dry season, the exceedance was considered not project related. No exceedance was recorded on the subsequent monitoring on 5 October 2016 during ebb tide.
X_16W058	5-Oct-16	Mid-flood	RW21-P789	DO(mg/l)	3.69	3.66	3.28	<b>Possible reason:</b> Natural variation or changes of water quality in the vicinity of water quality monitoring station. Transition of action and limit level from wet season.
				Turbidity	9.10	8.04	9.49	<b>Action taken/ to be taken:</b> Immediate repeated in-situ measurement to confirm the exceedances. Checking with Contractor works and review previous monitoring data.
				SS	15.50	13.00	14.43	<b>Remarks/ Other Obs:</b> No marine activity was conducted under Contract HK/2009/02 on the monitoring date and the installed silt screen was generally in order. In view of no marine activity was conducted and considering the transition period from wet season to dry season, the exceedances of turbidity and suspended solid were considered not project related. No exceedance was recorded on the subsequent monitoring on 5 October 2016 during ebb tide.
X_16W059	19-Oct-16	Mid-flood	WSD19	DO(mg/l)	5.2	3.66	3.28	<b>Possible reason:</b> Natural variation or changes of water quality in the vicinity of water quality monitoring station. Transition of action and limit level from wet season.
				Turbidity	10.20	8.04	9.49	<b>Action taken/ to be taken:</b> Immediate repeated in-situ measurement to confirm the exceedances. Checking with Contractor works and review previous monitoring data.
				SS	12.00	13.00	14.43	<b>Remarks/ Other Obs:</b> No marine activity was conducted under Contract HK/2012/08 on the monitoring date. In view of no marine activity and considering transition period from wet season to dry season, the exceedance was considered not project related. No exceedance was recorded on the subsequent monitoring on 19 October 2016 ebb tide.



Ref no.	Date	Tidal	Location	Depth	Parameters (Unit)	Measured	Action Level	Limit Level	Follow-up action
X_16D0040	3-Oct-16	Mid-ebb	Ex-WPCWA SE	Bottom	DO(mg/l)	4.93	5.36	5.35	<p><b>Possible reason:</b> Possible in relation to the upstream organic discharge and variation of water quality within Ex-PCWA area. Transition of action and limit level from wet season.</p> <p><b>Action taken/ to be taken:</b> 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><b>Remarks/ Other Obs:</b> No marine construction activity was conducted under Contract HY/2009/15 on the monitoring date. Upstream discharge from nearby culvert was noted. In view of the above and considering the transition period from wet season to dry season, the exceedance was considered not related to Project works.</p>
X_16D0041	3-Oct-16	Mid-ebb	Ex-WPCWA SW	Middle	DO(mg/l)	3.35	3.84	3.73	<p><b>Possible reason:</b> Possible in relation to the upstream organic discharge and variation of water quality within Ex-PCWA area. Transition of action and limit level from wet season.</p> <p><b>Action taken/ to be taken:</b> 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><b>Remarks/ Other Obs:</b> No marine construction activity was conducted under Contract HY/2009/15 on the monitoring date. Upstream discharge from nearby culvert was noted. In view of the above and considering the transition period from wet season to dry season, the exceedance was considered not related to Project works.</p>
X_16D0042	5-Oct-16	Mid-flood	C6	Middle	DO(mg/l)	2.65	3.13	2.00	<p><b>Possible reason:</b> Possible in relation to the upstream organic discharge and variation of water quality within Ex-PCWA area. Transition of action and limit level from wet season.</p> <p><b>Action taken/ to be taken:</b> 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><b>Remarks/ Other Obs:</b> No marine construction activity was conducted under Contract HY/2009/15 on the monitoring date. In view of no marine construction activity and considering the transition period from wet season to dry season, the exceedance was considered not related to HY/2009/15 project works. No marine construction activity was conducted under Contract HY/2010/08 on the monitoring date. In view of no marine construction activity and considering the transition period from wet season to dry season, the exceedance was considered not related to HY/2010/08 project works. No exceedance was recorded on the subsequent monitoring on 5 October 2016 ebb tide.</p>
X_16D0043	5-Oct-16	Mid-flood	Ex-WPCWA SE	Surface	DO(mg/l)	3.42	4.26	3.61	<p><b>Possible reason:</b> Possible in relation to the upstream organic discharge and variation of water quality within Ex-PCWA area.</p> <p><b>Action taken/ to be taken:</b> 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><b>Remarks/ Other Obs:</b> No marine construction activity was conducted under Contract HY/2009/15 on the monitoring date. Upstream discharge from nearby culvert was noted. In view of the above, the exceedance was considered not related to Project works.</p>



Ref no.	Date	Tidal	Location	Depth	Parameters (Unit)	Measured	Action Level	Limit Level	Follow-up action
X_16D0044	5-Oct-16	Mid-flood	Ex-WPCWA SE	Bottom	DO(mg/l)	3.92	5.36	5.35	<p><b>Possible reason:</b></p> <p>Possible in relation to the upstream organic discharge and variation of water quality within Ex-PCWA area. Transition of action and limit level from wet season.</p> <p><b>Action taken/ to be taken:</b></p> <p>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><b>Remarks/ Other Obs:</b></p> <p>No marine construction activity was conducted under Contract HY/2009/15 on the monitoring date. Upstream discharge from nearby culvert was noted. In view of the above and considering the transition period from wet season to dry season, the exceedance was considered not related to Project works.</p>
X_16D0045	5-Oct-16	Mid-flood	Ex-WPCWA SW	Middle	DO(mg/l)	3.43	3.84	3.73	<p><b>Possible reason:</b></p> <p>Possible in relation to the upstream organic discharge and variation of water quality within Ex-PCWA area. Transition of action and limit level from wet season.</p> <p><b>Action taken/ to be taken:</b></p> <p>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><b>Remarks/ Other Obs:</b></p> <p>No marine construction activity was conducted under Contract HY/2009/15 on the monitoring date. Upstream discharge from nearby culvert was noted. In view of the above and considering the transition period from wet season to dry season, the exceedance was considered not related to Project works. No exceedance was recorded on the subsequent monitoring on 5 October 2016 ebb tide.</p>
X_16D0046	5-Oct-16	Mid-ebb	Ex-WPCWA SE	Surface	DO(mg/l)	4.24	4.26	3.61	<p><b>Possible reason:</b></p> <p>Possible in relation to the upstream organic discharge and variation of water quality within Ex-PCWA area. Transition of action and limit level from wet season.</p> <p><b>Action taken/ to be taken:</b></p> <p>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><b>Remarks/ Other Obs:</b></p> <p>No marine construction activity was conducted under Contract HY/2009/15 on the monitoring date. Upstream discharge from nearby culvert was noted. In view of the above and considering the transition period from wet season to dry season, the exceedance was considered not related to Project works. No exceedance was recorded on the subsequent monitoring on 8 October 2016 ebb tide.</p>
X_16D0047	5-Oct-16	Mid-ebb	Ex-WPCWA SE	Bottom	DO(mg/l)	4.72	5.36	5.35	<p><b>Possible reason:</b></p> <p>Possible in relation to the upstream organic discharge and variation of water quality within Ex-PCWA area. Transition of action and limit level from wet season.</p> <p><b>Action taken/ to be taken:</b></p> <p>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><b>Remarks/ Other Obs:</b></p> <p>No marine construction activity was conducted under Contract HY/2009/15 on the monitoring date. Upstream discharge from nearby culvert was noted. In view of the above and considering the transition period from wet season to dry season, the exceedance was considered not related to Project works. No exceedance was recorded on the subsequent monitoring on 8 October 2016 ebb tide.</p>



Ref no.	Date	Tidal	Location	Depth	Parameters (Unit)	Measured	Action Level	Limit Level	Follow-up action
X_16D0048	11-Oct-16	Mid-flood	Ex-WPCWA SE	Bottom	DO(mg/l)	5.04	5.36	5.35	<p><b>Possible reason:</b> Possible in relation to the upstream organic discharge and variation of water quality within Ex-PCWA area. Transition of action and limit level from wet season.</p> <p><b>Action taken/ to be taken:</b> 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><b>Remarks/ Other Obs:</b> No marine construction activity was conducted under Contract HY/2009/15 on the monitoring date. Upstream discharge from nearby culvert was noted. In view of the above and considering the transition period from wet season to dry season, the exceedance was considered not related to Project works.</p>
X_16D0049	13-Oct-16	Mid-ebb	Ex-WPCWA SE	Bottom	DO(mg/l)	5.27	5.36	5.35	<p><b>Possible reason:</b> Possible in relation to the upstream organic discharge and variation of water quality within Ex-PCWA area. Transition of action and limit level from wet season.</p> <p><b>Action taken/ to be taken:</b> 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><b>Remarks/ Other Obs:</b> No marine construction activity was conducted under Contract HY/2009/15 on the monitoring date. Upstream discharge from nearby culvert was noted. In view of the above and considering the transition period from wet season to dry season, the exceedance was considered not related to Project works. No exceedance was recorded on the subsequent monitoring on 13 October 2016 flood tide.</p>
X_16D0050	15-Oct-16	Mid-ebb	Ex-WPCWA SE	Bottom	DO(mg/l)	5.21	5.36	5.35	<p><b>Possible reason:</b> Possible in relation to the upstream organic discharge and variation of water quality within Ex-PCWA area. Transition of action and limit level from wet season.</p> <p><b>Action taken/ to be taken:</b> 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><b>Remarks/ Other Obs:</b> No marine construction activity was conducted under Contract HY/2009/15 on the monitoring date. Upstream discharge from nearby culvert was noted. In view of the above and considering the transition period from wet season to dry season, the exceedance was considered not related to Project works. No exceedance was recorded on the subsequent monitoring on 15 October 2016 flood tide.</p>