

Ref. No.	Date	Time	Location	Measured TSP Level	Unit	Action Level	Limit Level	Follow-up action
X_16A026	2-Feb-17	13:00	CMA5b- Pedestrian Plaza	472.3	1hr TSP (ug/m ³)	332.0	500	<p>Possible reason: Elevated TSP level potentially in relate to other sources affecting local ambient condition such as road traffic next to the monitoring station</p> <p>Action taken / to be taken: Reviewed the trend of air quality measurement across monitoring stations. Analysis of contractor's working procedures.</p> <p>Remarks / Other Obs: No construction works was undertaken on the monitoring date around Pedestrian Plaza under Contract HK/2009/01 and no particular observation regarding air quality impact was observed during sampling. In view of the above, the action level exceedance was considered to be non-project related and potentially contributed by other sources affecting local ambient condition such as road traffic next to the monitoring station. In addition, non WDII-CWB Project construction activities opposite to the monitoring station was observed on the monitoring date. Nevertheless, the Contractor of HK/2009/01 was reminded to maintain regular dust suppression measures for any potential dusty surface and dust generating operation around the concerned location to avoid any potential cumulative air quality impact.</p>
X_16A027	2-Feb-17	13:00	CMA5b- Pedestrian Plaza	472.3	1hr TSP (ug/m ³)	332.0	500	<p>Possible reason: Elevated TSP level potentially in relate to other sources affecting local ambient condition such as road traffic next to the monitoring station</p> <p>Action taken / to be taken: Reviewed the trend of air quality measurement across monitoring stations. Analysis of contractor's working procedures. Mitigation measures including maintaining haul road in dampened condition was implemented by contractor.</p> <p>Remarks / Other Obs: Despite formwork erection and rebar fixing were undertaken on the monitoring date at around Pedestrian Plaza under Contractor of HK/2012/08, dust suppression measure including haul road maintained in dampened condition were implemented and no particular observation regarding air quality impact was observed during sampling. In view of the above, the action level exceedance was considered to be non-project related and potentially contributed by other sources affecting local ambient condition such as road traffic next to the monitoring station. In addition, non WDII-CWB Project construction activities opposite to the monitoring station was observed on the monitoring date. Nevertheless, the Contractor of HK/2012/08 was reminded to maintain regularly dust suppression measures for any potential dusty surface and dust generating operation around the concerned location to avoid any potential cumulative air quality impact.</p>
X_16A029	18-Feb-17	8:00	CMA5b- Pedestrian Plaza	209	24 hr TSP (ug/m ³)	181.0	260	<p>Possible reason: Elevated TSP level potentially in relate to other sources affecting local ambient condition such as road traffic next to the monitoring station</p> <p>Action taken / to be taken: Reviewed the trend of air quality measurement across monitoring stations. Analysis of contractor's working procedures.</p> <p>Remarks / Other Obs: No construction works was undertaken on the monitoring date around Pedestrian Plaza under Contract HK/2009/01 and no particular observation regarding air quality impact was observed during sampling. In view of the above, the action level exceedance was considered to be non-project related and potentially contributed by other sources affecting local ambient condition such as road traffic next to the monitoring station. In addition, non WDII-CWB Project construction activities opposite to the monitoring station was observed on the monitoring date. Nevertheless, the Contractor of HK/2009/01 was reminded to maintain regular dust suppression measures for any potential dusty surface and dust generating operation around the concerned location to avoid any potential cumulative air quality impact.</p>
X_16A030	18-Feb-17	8:00	CMA5b- Pedestrian Plaza	209	24 hr TSP (ug/m ³)	181.0	260	<p>Possible reason: Elevated TSP level potentially in relate to other sources affecting local ambient condition such as road traffic next to the monitoring station</p> <p>Action taken / to be taken: Reviewed the trend of air quality measurement across monitoring stations. Analysis of contractor's working procedures. Mitigation measures including maintaining haul road in dampened condition was implemented by contractor.</p> <p>Remarks / Other Obs: Despite formwork erection and rebar fixing were undertaken on the monitoring date at around Pedestrian Plaza under Contractor of HK/2012/08, dust suppression measure including haul road maintained in dampened condition were implemented and no particular observation regarding air quality impact was observed during sampling. In view of the above, the action level exceedance was considered to be non-project related and potentially contributed by other sources affecting local ambient condition such as road traffic next to the monitoring station. In addition, non WDII-CWB Project construction activities opposite to the monitoring station was observed on the monitoring date. Nevertheless, the Contractor of HK/2012/08 was reminded to maintain regularly dust suppression measures for any potential dusty surface and dust generating operation around the concerned location to avoid any potential cumulative air quality impact.</p>



Ref. No.	Date	Time	Location	Construction Noise Level, dB(A)	Parameter	Action Level	Limit Level dB(A)	Follow-up action
X_16N060	7-Feb-17	8:45	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: Lifting of support frame for girder installation was conducted under HY/2009/19 around the monitoring location, no particular noise was considered from the construction activities and nearby traffic noise was observed as major noise source during monitoring. As such, the exceedance was considered as non-Project related.</p>
X_16N061	13-Feb-17	10:55	M6 - HK Baptist Church Henrietta Secondary School	68	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: Relocation of girder support was conducted under HY/2009/19 around the monitoring location, no particular noise was considered from the construction activities and nearby traffic noise was observed as major noise source during monitoring. As such, the exceedance was considered as non-Project related.</p>
X_16N062	21-Feb-17	10:57	M6 - HK Baptist Church Henrietta Secondary School	68	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: Mobilization of launching girder and installation of girder were conducted under HY/2009/19 around the monitoring location, no particular noise was considered from the construction activities and nearby traffic noise was observed as major noise source 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_16C067	6-Feb-17	Mid-flood	P1	DO(mg/l)	7.60	3.36	2.73	Possible reason: Natural variation or changes of water quality in the vicinity of water abstraction location for the water quality monitoring station.
				Turbidity	6.93	9.10	10.25	Action taken/ to be taken: Checked with Contractor works and reviewed previous monitoring data.
				SS	19.00	15.00	22.13	Remarks/ Other Obs: Trimming of rock mound profile near Zone B and earth works near Zone D were conducted under Contract HK/2012/08 on the monitoring date and Contractor mitigation measures including the use of localized silt curtain was generally in place. Nevertheless, muddy dispersion from a potential outfall location was observed at the seawall boundary within the HKCEC2E area (South of the monitoring Station P1) during monitoring period on 06 February 2017. Follow up site inspection was hence conducted on 07 February 2017 and it was identified that a water treatment facility for construction site effluent from excavation works (Expo Drive West) in area under Contract HK/2012/08 was in operation and the associated discharge point was identified located at the upstream location of the observed outfall location. However, as no direct information is available for the operation and discharge condition on the monitoring date, it is therefore considered that no sufficient information is available to conclude if the exceedance case would be related to Project works. In spite of the above findings, the Contractor was reminded to maintain regular checking at the aforesaid discharge location and the associated treatment facility to ensure the effective operation and the operation condition and discharge quality of the aforesaid water treatment unit will keep in view by ET/RSS.
X_16C068	13-Feb-17	Mid-flood	C7	DO(mg/l)	7.18	3.36	2.73	Possible reason: Natural variation or changes of water quality in the vicinity of water abstraction location for the water quality monitoring station.
				Turbidity	11.33	9.10	10.25	Action taken/ to be taken: Repeated the measurement to confirm the result. Checked with Contractor works and reviewed previous monitoring data.
				SS	5.50	15.00	22.13	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. 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 on 13 February 2017 ebb tide.



Ref no.	Date	Tidal	Location	Parameters (Unit)	Measured	Action Level	Limit Level	Follow-up action
X_16W078	2-Feb-17	Mid-flood	RW21-P789	DO(mg/l)	6.41	3.66	3.28	Possible reason: Natural variation or changes of water quality in the vicinity of water quality monitoring station.
				Turbidity	8.25	8.04	9.49	Action taken/ to be taken: Immediate repeated in-situ measurement to confirm the exceedances. Checked with Contractor works and reviewed previous monitoring data.
				SS	10.50	13.00	14.43	Remarks/ Other Obs: No marine activity was conducted under Contract HK/2009/02 on the monitoring date while installed silt screen 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 2 February 2017 ebb tide.
X_16W079	2-Feb-17	Mid-flood	WSD19	DO(mg/l)	6.91	3.66	3.28	Possible reason: Natural variation or changes of water quality in the vicinity of water quality monitoring station.
				Turbidity	8.44	8.04	9.49	Action taken/ to be taken: Immediate repeated in-situ measurement to confirm the exceedances. Checked with Contractor works and reviewed previous monitoring data.
				SS	7.00	13.00	14.43	Remarks/ Other Obs: No marine activity was conducted under Contract HK/2012/08 on the monitoring date. In view of no marine activity was conducted, the exceedance was considered not project related. No exceedance was recorded on the subsequent monitoring on 4 February 2017 flood tide.
X_16W080	2-Feb-17	Mid-ebb	WSD19	DO(mg/l)	6.54	3.66	3.28	Possible reason: Natural variation or changes of water quality in the vicinity of water quality monitoring station.
				Turbidity	10.01	8.04	9.49	Action taken/ to be taken: Immediate repeated in-situ measurement to confirm the exceedances. Checked with Contractor works and reviewed previous monitoring data.
				SS	12.00	13.00	14.43	Remarks/ Other Obs: No marine activity was conducted under Contract HK/2012/08 on the monitoring date. In view of no marine activity was conducted, the exceedance was considered not project related. No exceedance was recorded on the subsequent monitoring on 4 February 2017 flood tide.
X_16W081	13-Feb-17	Mid-ebb	WSD19	DO(mg/l)	6.72	3.66	3.28	Possible reason: Natural variation or changes of water quality in the vicinity of water quality monitoring station.
				Turbidity	8.76	8.04	9.49	Action taken/ to be taken: Immediate repeated in-situ measurement to confirm the exceedances. Checked with Contractor works and reviewed previous monitoring data.
				SS	7.50	13.00	14.43	Remarks/ Other Obs: Despite trimming of rock mound profile under Contract HK/2012/08 was conducted on the monitoring date, contractor mitigation measure including the use of localized silt curtain was in place. Location of the construction area was at downstream of monitoring station WSD19 during the monitoring period. In view of the above, the exceedance was considered not project related. No exceedance was recorded on the subsequent monitoring on 15 January 2017 flood tide.



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Ref no.	Date	Tidal	Location	Depth	Parameters (Unit)	Measured	Action Level	Limit Level	Follow-up action
X_16D0059	2-Feb-17	Mid-flood	Ex-WPCWA SE	Surface	DO(mg/l)	4.14	4.26	3.61	<p>Possible reason: Possible in relation to the nearby upstream organic discharge and associated variation of water quality within Ex-PCWA area.</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: No marine construction activities was conducted under Contract HY/2009/15 at TPCWA on the monitoring date while upstream discharge from nearby culvert was noted. In view of the above, the exceedance was considered not related to Project works. No exceedance was recorded on the subsequent monitoring on 2 February 2017 ebb tide.</p>