



Ref. No.	Date	Time	Location	Measured TSP Level	Unit	Action Level	Limit Level	Follow-up action
X_16A007	14-Sep-16	9:10	CMA5b- Pedestrian Plaza	379.4	1 hr TSP (ug/m <sup>3</sup> )	332.0	500	<p><b>Possible reason:</b> Elevated TSP level potentially in relate to other sources affecting local ambient condition such as road traffic next to the monitoring station</p> <p><b>Action taken / to be taken:</b> 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><b>Remarks / Other Obs:</b> Despite formwork erection was 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_16A008	14-Sep-16	9:10	CMA5b- Pedestrian Plaza	379.4	1 hr TSP (ug/m <sup>3</sup> )	332.0	500	<p><b>Possible reason:</b> Elevated TSP level potentially in relate to other sources affecting local ambient condition such as road traffic next to the monitoring station</p> <p><b>Action taken / to be taken:</b> Reviewed the trend of air quality measurement across monitoring stations. Analysis of contractor's working procedures.</p> <p><b>Remarks / Other Obs:</b> Pipe laying 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_16A010	26-Sep-16	9:10	CMA5b- Pedestrian Plaza	385	1 hr TSP (ug/m <sup>3</sup> )	332.0	500	<p><b>Possible reason:</b> Elevated TSP level potentially in relate to other sources affecting local ambient condition such as road traffic next to the monitoring station</p> <p><b>Action taken / to be taken:</b> Reviewed the trend of air quality measurement across monitoring stations. Reviewed Contractor's working procedures. Mitigation measures including maintaining haul road in dampened condition was implemented by Contractor.</p> <p><b>Remarks / Other Obs:</b> Despite formwork erection and re-bar 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. According to the EPD information, smog was observed on the monitoring date and the prevailing meteorological condition on the monitoring date is detrimental to dispersion of any potential roadside pollutant. 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_16A011	26-Sep-16	9:10	CMA5b- Pedestrian Plaza	385	1 hr TSP (ug/m <sup>3</sup> )	332.0	500	<p><b>Possible reason:</b> Elevated TSP level potentially in relate to other sources affecting local ambient condition such as road traffic next to the monitoring station</p> <p><b>Action taken / to be taken:</b> Reviewed the trend of air quality measurement across monitoring stations. Reviewed contractor's working procedures.</p> <p><b>Remarks / Other Obs:</b> Manhole construction 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. According to the EPD information, smog was observed on the monitoring date and the prevailing meteorological condition on the monitoring date is detrimental to dispersion of any potential roadside pollutant. 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>



Ref no.	Date	Tidal	Location	Parameters (Unit)	Measured	Action Level	Limit Level	Follow-up action
X_16C041	7-Sep-16	Mid-flood	C7	DO(mg/l)	5.48	3.02	2.44	<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	13.22	11.35	12.71	<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	8.00	18.42	27.54	<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.
X_16C042	19-Sep-16	Mid-flood	C1	DO(mg/l)	5.87	3.02	2.44	<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	13.10	11.35	12.71	<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	18.42	27.54	<b>Remarks/ Other Obs:</b> No marine activity was conducted under Contract HK/2009/01 on the monitoring date. In view of the above, 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 the above, the exceedance was considered not related to Contract HK/2009/02 construction works. No exceedance was recorded on the subsequent monitoring.
X_16C043	19-Sep-16	Mid-flood	P4	DO(mg/l)	5.83	3.02	2.44	<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	14.00	11.35	12.71	<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	7.00	18.42	27.54	<b>Remarks/ Other Obs:</b> No marine activity was conducted under Contract HK/2012/08 on the monitoring date. Location of construction area was at downstream of monitoring station P4. In view of the above, the exceedance was considered not project related. No exceedance was recorded on the subsequent monitoring.
X_16C044	19-Sep-16	Mid-flood	P5	DO(mg/l)	5.81	3.02	2.44	<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	13.93	11.35	12.71	<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	9.50	18.42	27.54	<b>Remarks/ Other Obs:</b> No marine activity was conducted under Contract HK/2012/08 on the monitoring date. Location of construction area was at downstream of monitoring station P5. In view of the above, the exceedance was considered 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_16W046	2-Sep-16	Mid-flood	WSD19	DO(mg/l)	4.19	3.17	2.63	<b>Possible reason:</b> Natural variation or changes of water quality in the vicinity of water quality monitoring station.
				Turbidity	12.01	10.01	11.54	<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	14.00	16.26	17.74	<b>Remarks/ Other Obs:</b> Trimming of rock slope profile near Zone D was conducted under Contract HK/2012/08 on the monitoring date. Contractor mitigation measure including the use of silt curtain was generally in place. In view of the above, the exceedance was considered not project related.
X_16W047	2-Sep-16	Mid-flood	RW21-P789	DO(mg/l)	4.34	3.17	2.63	<b>Possible reason:</b> Natural variation or changes of water quality in the vicinity of water quality monitoring station.
				Turbidity	11.10	10.01	11.54	<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	10.50	16.26	17.74	<b>Remarks/ Other Obs:</b> No marine activity was conducted under Contract HK/2009/02 on the monitoring date. The installed silt screen was generally in order. In view of no marine activity was conducted, the exceedance was considered not project related. No exceedance was recorded on the subsequent monitoring on 5 September 2016 during flood tide.
X_16W048	5-Sep-16	Mid-flood	WSD19	DO(mg/l)	5.46	3.17	2.63	<b>Possible reason:</b> Natural variation or changes of water quality in the vicinity of water quality monitoring station.
				Turbidity	10.44	10.01	11.54	<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	9.50	16.26	17.74	<b>Remarks/ Other Obs:</b> Trimming of rock slope profile near Zone D was conducted under Contract HK/2012/08 on the monitoring date. Contractor mitigation measure 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 5 September 2016 during ebb tide.
X_16W049	7-Sep-16	Mid-flood	WSD19	DO(mg/l)	4.29	3.17	2.63	<b>Possible reason:</b> Natural variation or changes of water quality in the vicinity of water quality monitoring station.
				Turbidity	11.79	10.01	11.54	<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	12.50	16.26	17.74	<b>Remarks/ Other Obs:</b> Trimming of rock slope profile near Zone D was conducted under Contract HK/2012/08 on the monitoring date. Contractor mitigation measure 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 7 September 2016 during ebb tide.



Ref no.	Date	Tidal	Location	Parameters (Unit)	Measured	Action Level	Limit Level	Follow-up action
X_16W050	17-Sep-16	Mid-ebb	WSD19	DO(mg/l)	6.41	3.17	2.63	<b>Possible reason:</b> Natural variation or changes of water quality in the vicinity of water quality monitoring station.
				Turbidity	18.62	10.01	11.54	<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	16.00	16.26	17.74	<b>Remarks/ Other Obs:</b> No marine activity was conducted under Contract HK/2012/08 on the monitoring date. Location of the construction activity was at the downstream of monitoring station WSD19 during monitoring period. In view of no marine activity was conducted, the exceedance was considered not project related. No exceedance was recorded on the subsequent monitoring on 17 September 2016 during flood tide.
X_16W051	19-Sep-16	Mid-ebb	WSD19	DO(mg/l)	5.53	3.17	2.63	<b>Possible reason:</b> Natural variation or changes of water quality in the vicinity of water quality monitoring station.
				Turbidity	11.08	10.01	11.54	<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	8.00	16.26	17.74	<b>Remarks/ Other Obs:</b> No marine activity was conducted under Contract HK/2012/08 on the monitoring date. Location of the construction activity was at the downstream of monitoring station WSD19 during monitoring period. In view of no marine activity was conducted, the exceedance was considered not project related.
X_16W052	21-Sep-16	Mid-flood	WSD19	DO(mg/l)	5.32	3.17	2.63	<b>Possible reason:</b> Natural variation or changes of water quality in the vicinity of water quality monitoring station.
				Turbidity	13.11	10.01	11.54	<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	16.00	16.26	17.74	<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 was conducted, the exceedance was considered not project related. No exceedance was recorded on the subsequent monitoring on 21 September 2016 during ebb tide.
X_16W053	21-Sep-16	Mid-flood	RW21-P789	DO(mg/l)	5.37	3.17	2.63	<b>Possible reason:</b> Natural variation or changes of water quality in the vicinity of water quality monitoring station.
				Turbidity	10.34	10.01	11.54	<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	13.00	16.26	17.74	<b>Remarks/ Other Obs:</b> No marine activity was conducted under Contract HK/2009/02 on the monitoring date. The installed silt screen was generally in order. In view of no marine activity was conducted, the exceedance was considered not project related. No exceedance was recorded on the subsequent monitoring on 21 September 2016 during ebb tide.



Ref no.	Date	Tidal	Location	Parameters (Unit)	Measured	Action Level	Limit Level	Follow-up action
X_16W054	23-Sep-16	Mid-flood	WSD19	DO(mg/l)	6.01	3.17	2.63	<b>Possible reason:</b> Natural variation or changes of water quality in the vicinity of water quality monitoring station.
				Turbidity	15.45	10.01	11.54	<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	14.50	16.26	17.74	<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 was conducted, the exceedance was considered not project related. No exceedance was recorded on the subsequent monitoring on 26 September 2016 during ebb tide.
X_16W055	26-Sep-16	Mid-flood	WSD19	DO(mg/l)	6.02	3.17	2.63	<b>Possible reason:</b> Natural variation or changes of water quality in the vicinity of water quality monitoring station.
				Turbidity	15.14	10.01	11.54	<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	15.00	16.26	17.74	<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 was conducted, the exceedance was considered not project related. No exceedance was recorded on the subsequent monitoring on 28 September 2016 during ebb tide.



Ref no.	Date	Tidal	Location	Depth	Parameters (Unit)	Measured	Action Level	Limit Level	Follow-up action
X_16D0035	29-Aug-16	Mid-ebb	Ex-WPCWA SW	Middle	DO(mg/l)	2.16	3.19	3.10	<p><b>Possible reason:</b> Possible in relation to the upstream organic discharge.</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> Removal of D-wall at northern side of TPCWAW was 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, the exceedance was considered not related to Project works.</p>
X_16D0036	29-Aug-16	Mid-flood	Ex-WPCWA SW	Middle	DO(mg/l)	2.13	3.19	3.10	<p><b>Possible reason:</b> Possible in relation to the upstream organic discharge.</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> Removal of D-wall at northern side of TPCWAW was 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, the exceedance was considered not related to Project works.</p>
X_16D0037	29-Aug-16	Mid-flood	Ex-WPCWA SE	Surface	DO(mg/l)	3.33	3.55	3.00	<p><b>Possible reason:</b> Possible in relation to the upstream organic discharge.</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> Removal of D-wall at northern side of TPCWAW was 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, the exceedance was considered not related to Project works. No exceedance was recorded on the subsequent monitoring on 31 August 2016 ebb tide.</p>
X_16D0038	31-Aug-16	Mid-ebb	Ex-WPCWA SW	Middle	DO(mg/l)	2.64	3.19	3.10	<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> Removal of D-wall at southern side of TPCWAW was 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, the exceedance was considered not related to Project works. No exceedance was recorded on the subsequent monitoring on 31 August 2016 flood tide.</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_16D0038	2-Sep-16	Mid-ebb	Ex-WPCWA SW	Middle	DO(mg/l)	2.57	3.19	3.10	<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> Despite filling levelling stone for seawall reinstatement at Western side of TPCWAW and removal of D-wall at northern side of TPCWAW were conducted under Contract HY/2009/15, contractor mitigation measures including the use of silt curtain and impermeable barrier were implemented. 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 September 2016 flood tide.</p>