



Ref. No.	Date	Time	Location	Construction Noise Level	Unit	Action Level	Limit Level	Follow-up action
X_16N0030	4-May-16	10:52	M1a-Harbour Road Sports Centre	78	Leq(30-min)	when one documented complaint was received.	75	<p>Possible reason: Breaking works at Ex- Wan Chai Swimming Pool (adjacent to Harbour Road Sports Centre) under non WDII-CWB Contractor.</p> <p>Action taken / to be taken: Repeat measurement to confirm result and reviewed the trend of noise measurement. Analysis of contractor's working procedure.</p> <p>Remarks / Other Obs: Diaphragm wall construction at Portion 5 was conducted under Contract HK/2009/02 around the concerned location during the time of measurement while breaking works at Ex- Wan Chai Swimming Pool (adjacent to Harbour Road Sports Centre immediately 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_16N0031	4-May-16	10:52	M1a-Harbour Road Sports Centre	78	Leq(30-min)	when one documented complaint was received.	75	<p>Possible reason: Breaking works at Ex- Wan Chai Swimming Pool (adjacent to Harbour Road Sports Centre) under non WDII-CWB Contractor.</p> <p>Action taken / to be taken: Repeat measurement to confirm result and reviewed the trend of noise measurement. Analysis of contractor's working procedure.</p> <p>Remarks / Other Obs: Backfilling works were conducted under Contract HK/2009/01 at Area 8 (West of Wan Chai Ferry Pier) during the time of measurement while breaking works at Ex- Wan Chai Swimming Pool (adjacent to Harbour Road Sports Centre immediately 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_16N0034	24-May-16	10:58	M1a-Harbour Road Sports Centre	82	Leq(30-min)	when one documented complaint was received.	75	<p>Possible reason: Operation of Hydromill trench cutter in close proximity to the monitoring station was observed as the major noise contribution at Ex- Wan Chai Swimming Pool (adjacent to Harbour Road Sports Centre) under non WDII-CWB Contractor.</p> <p>Action taken / to be taken: Repeat measurement to confirm result and reviewed the trend of noise measurement. Analysis of contractor's working procedure.</p> <p>Remarks / Other Obs: Diaphragm wall construction at Portion 5 was conducted under Contract HK/2009/02 around the concerned location during the time of measurement while operation of Hydromill trench cutter in close proximity to the monitoring station at Ex- Wan Chai Swimming Pool (adjacent to Harbour Road Sports Centre immediately 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_16N0035	24-May-16	10:58	M1a-Harbour Road Sports Centre	82	Leq(30-min)	when one documented complaint was received.	75	<p>Possible reason: Operation of Hydromill trench cutter in close proximity to the monitoring station was observed as the major noise contribution at Ex- Wan Chai Swimming Pool (adjacent to Harbour Road Sports Centre) under non WDII-CWB Contractor.</p> <p>Action taken / to be taken: Repeat measurement to confirm result and reviewed the trend of noise measurement. Analysis of contractor's working procedure.</p> <p>Remarks / Other Obs: Breaking works were conducted under Contract HK/2009/01 at Area 8 (West of Wan Chai Ferry Pier) during the time of measurement and mitigation measure including the use of noise screen was implemented. Operation of Hydromill trench cutter in close proximity to the monitoring station at Ex- Wan Chai Swimming Pool at Ex- Wan Chai Swimming Pool (adjacent to Harbour Road Sports Centre immediately 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>



Ref no.	Date	Tidal	Location	Parameters (Unit)	Measured	Action Level	Limit Level	Follow-up action
X_16C018	29-Apr-16	Mid-flood	C7	DO(mg/L)	5.19	3.02	2.44	<p>Possible reason: Muddy dispersion was observed around portion of TS3(E) works area during monitoring sampling at ebb tide and it was observed that the impermeable barrier deployed under Contract HY/2010/08 around the temporary reclamation removal area was not fully extended to seabed level and not fully enclosing the underwater excavation area during monitoring sampling at both ebb and flood tides.</p> <p>Action taken/ to be taken: Immediate repeat in-situ measurement to confirm the exceedances. The water turbidity level of repeated measurement at the same monitoring location on the same date and tide was: <u>29 April 2016 flood tide 19.25 NTU</u>. The Contractor of HY/2010/08 was immediately advised to take remedial action to rectify the defects observed. Subsequent monitoring was conducted on 29 April 2016 flood tide and action level exceedance of water turbidity was recorded: <u>29 April 2016 ebb tide is 11.39NTU</u>. Hence, additional monitoring in accordance with the Event and Action Plan was conducted on 30 April 2016. The Contractor of HY/2010/08 has suspended the concerned underwater excavation works at the concerned location on 30 April 2016 and rectification measures including deployment of impermeable barriers and silt curtain to enclose the concerned works area by Contractor of HY/2010/08 on 30 April 2016 to prevent further water quality impact to nearby waters. No further turbidity exceedance was recorded during additional monitoring conducted on <u>30 April 2016: 30 April 2016 6.49NTU</u>.</p> <p>Remarks/ Other Obs: No marine or land construction activities was conducted under Contract HY/2009/15 at Causeway Bay Typhoon Shelter. In view of the above, it was considered that the turbidity exceedances was not related to Contract HY/2009/15 Project works. Underwater excavation works for TS3(E) temporary reclamation removal works was conducted under Contract HY/2010/08 during the monitoring period on 29 April 2016 during both flood and ebb tide and muddy dispersion was observed around a portion TS3(E) works area during monitoring sampling at flood tide, and it was observed that the impermeable barrier deployed under Contract HY/2010/08 around the temporary reclamation removal area was not fully extended to seabed level and not fully enclosing the underwater excavation area during monitoring sampling at both ebb and flood tides. In addition, it was observed that the outer layer of silt curtain deployed by Contract HY/2010/08 was incomplete at the concerned location. As such, it was considered that the turbidity exceedance was related to HY/2010/08 Project works and the Contractor of HY/2010/08 was immediately advised to take immediate action to rectify the defects observed. Rectification measures including deployment of impermeable barriers and silt curtain to enclose the concerned works area by Contractor of HY/2010/08 was implemented on 30 April 2016 and no further turbidity exceedance was recorded during additional monitoring conducted on 30 April 2016: 30 April 2016 6.49NTU. Nevertheless, the Contractor of HY/2010/08 was reminded to maintain regular checking of the installed silt screen at WQM station C7 for safeguarding the water quality to nearby intake.</p>
				Turbidity (NTU)	18.97	11.35	12.71	
				SS (mg/L)	10.00	18.42	27.54	



Ref no.	Date	Tidal	Location	Parameters (Unit)	Measured	Action Level	Limit Level	Follow-up action
X_16C019	29-Apr-16	Mid-ebb	C7	DO(mg/L)	5.30	3.02	2.44	Possible reason: Muddy dispersion was observed around portion of TS3(E) works area during monitoring sampling at ebb tide and it was observed that the impermeable barrier deployed under Contract HY/2010/08 around the temporary reclamation removal area was not fully extended to seabed level and not fully enclosing the underwater excavation area during monitoring sampling at both ebb and flood tides.
				Turbidity (NTU)	11.39	11.35	12.71	Action taken/ to be taken: Immediate repeat in-situ measurement to confirm the exceedances. The water turbidity level of repeated measurement at the same monitoring location on the same date and tide was: <u>29 April 2016 ebb tide 11.54NTU</u> . The Contractor of HY/2010/08 was immediately advised to take remedial action to rectify the defects observed. Additional monitoring in accordance with the Event and Action Plan was conducted on 30 April 2016.
				SS (mg/L)	5.00	18.42	27.54	Remarks/ Other Obs: The Contractor of HY/2010/08 has suspended the concerned underwater excavation works at the concerned location on 30 April 2016 and rectification measures including deployment of impermeable barriers and silt curtain to enclose the concerned works area by Contractor of HY/2010/08 on 30 April 2016 to prevent further water quality impact to nearby waters. Subsequent monitoring was conducted on 30 April 2016 and no further turbidity exceedance was recorded during the additional monitoring on 30 April 2016: 30 April 2016 6.49 NTU. No marine or land construction activities was conducted under Contract HY/2009/15 at Causeway Bay Typhoon Shelter. In view of the above, it was considered that the turbidity exceedances was not related to Contract HY/2009/15 Project works. Underwater excavation works for TS3(E) temporary reclamation removal works was conducted under Contract HY/2010/08 during the monitoring period on 29 April 2016 during both flood and ebb tide and muddy dispersion was observed around a portion TS3(E) works area during monitoring sampling at flood tide, and it was observed that the impermeable barrier deployed under Contract HY/2010/08 around the temporary reclamation removal area was not fully extended to seabed level and not fully enclosing the underwater excavation area during monitoring sampling at both ebb and flood tides. In addition, it was observed that the outer layer of silt curtain deployed by Contract HY/2010/08 was incomplete at the concerned location. As such, it was considered that the turbidity exceedance was related to HY/2010/08 Project works and the Contractor of HY/2010/08 was immediately advised to take immediate action to rectify the defects observed. Rectification measures including deployment of impermeable barriers and silt curtain to enclose the concerned works area by Contractor of HY/2010/08 was implemented on 30 April 2016 and no further turbidity exceedance was recorded during additional monitoring conducted on 30 April 2016: 30 April 2016 6.49NTU. Nevertheless, the Contractor of HY/2010/08 was reminded to maintain regular checking of the installed silt screen at WQM station C7 for safeguarding the water quality to nearby intake.



Ref no.	Date	Tidal	Location	Parameters (Unit)	Measured	Action Level	Limit Level	Follow-up action
X_16C020	27-Apr-16	Mid-flood	C7	DO(mg/l)	4.93	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	9.69	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	27.50	18.42	27.54	Remarks/ Other Obs: No marine construction activities was conducted under Contract HY/2009/15 at Causeway Bay Typhoon Shelter on the monitoring date. In view of no marine activities conducted, it is considered that the exceedances is not related to Contract HY/2009/15 Project works. Despite temporary reclamation removal works were conducted under Contract HY/2010/08 on the monitoring date, contractor mitigation measures including the use of impermeable barrier and silt curtain was in place. In view of the above, it was considered that the exceedance was not related to Contract HY/2010/08 project works. Nevertheless, contractor of HY/2010/08 is reminded to maintain the deployed impermeable barrier to safeguard the water quality to nearby water intake.
X_16C021	27-Apr-16	Mid-ebb	C7	DO(mg/l)	7.15	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	9.33	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	20.00	18.42	27.54	Remarks/ Other Obs: No marine construction activity was conducted under Contract HY/2009/15 at Causeway Bay Typhoon Shelter on the monitoring date. In view of no marine activity conducted, it is considered that the exceedance was not related to Contract HY/2009/15 project works. Despite temporary reclamation removal works were conducted under Contract HY/2010/08 on the monitoring date, contractor mitigation measures including the use of impermeable barrier and silt curtain was in place. In view of the above and no SS exceedance recorded on the subsequent monitoring, it was considered that the exceedance was not related to Contract HY/2010/08 project works. Nevertheless, contractor of HY/2010/08 is reminded to maintain the deployed impermeable barrier to safeguard the water quality to nearby water intake.
X_16C022	5-May-16	Mid-flood	C1	DO(mg/l)	5.21	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	14.09	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	3.50	18.42	27.54	Remarks/ Other Obs: No marine construction activity was conducted under Contract HK/2009/02 on the monitoring date. In view of no marine activity conducted, it is considered that the exceedance was not related to Contract HK/2009/02 project works. Despite silt screen removal works was conducted under Contract HK/2009/01 on the monitoring date, removal works including silt screen's frame cutting and lifting works were observed conducted orderly and contractor clarified the cooling intake water supplies was temporary suspended during removal works. Low SS level was recorded during the monitoring period. In view of the above, the turbidity exceedance was considered not related to Contract HK/2009/01 project works.



Ref no.	Date	Tidal	Location	Parameters (Unit)	Measured	Action Level	Limit Level	Follow-up action	
X_16C023	5-May-16	Mid-flood	P4	DO(mg/l)	5.30	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	13.80	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	7.00	18.42	27.54	Remarks/ Other Obs:	No marine activities was conducted under Contract HK/2012/08 on the monitoring date. In view of no marine activity conducted, it is considered that the exceedance was not related to Contract HK/2012/08 project works. Despite silt screen removal was conducted by Contract HK/2009/01 at C1 monitoring station on the monitoring date, only welding works and lifting works was involved and no particular effect on water quality was considered. In addition, only low suspended solid level was recorded during the monitoring period. In view of the above, the turbidity exceedance was considered not related to project works.
X_16C024	5-May-16	Mid-flood	P5	DO(mg/l)	5.01	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	12.25	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	7.00	18.42	27.54	Remarks/ Other Obs:	No marine activities was conducted under Contract HK/2012/08 on the monitoring date. In view of no marine activity conducted, it is considered that the exceedance was not related to Contract HK/2012/08 project works. Despite silt screen removal was conducted by Contract HK/2009/01 at C1 monitoring station on the monitoring date, only welding works and lifting works was involved and no particular effect on water quality was considered. In addition, only low suspended solid level was recorded during the monitoring period. In view of the above and no exceedance was recorded on subsequent monitoring, the turbidity exceedance was considered not related to project works.
X_16C025	7-May-16	Mid-ebb	C1	DO(mg/l)	4.16	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	11.66	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	4.50	18.42	27.54	Remarks/ Other Obs:	Despite seawall trimming works were conducted under Contract HK/2009/02 on the monitoring date, contractor mitigation measures including the use of silt curtain was in place. In view of the above, it is considered that the exceedance was not related to Contract HK/2009/02 project works. Despite silt screen removal was conducted by Contract HK/2009/01 at P4 & P5 monitoring station on the monitoring date, only welding works and lifting works was involved and no particular effect on water quality was considered. In addition, only low suspended solid level was recorded during the monitoring period. In view of the above and no turbidity exceedance was recorded on the subsequent monitoring, the turbidity exceedance was considered not related to Contract HK/2009/01 project works.



Ref no.	Date	Tidal	Location	Parameters (Unit)	Measured	Action Level	Limit Level	Follow-up action
X_16C026	7-May-16	Mid-ebb	P3	DO(mg/l)	4.40	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	12.58	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	5.00	18.42	27.54	Remarks/ Other Obs: No marine activities was conducted under Contract HK/2012/08 on the monitoring date. In view of no marine activity conducted, it is considered that the exceedance was not related to Contract HK/2012/08 project works. Despite silt screen removal was conducted by Contract HK/2009/01 at P4 & P5 monitoring station on the monitoring date, only welding works and lifting works was involved and no particular effect on water quality was considered. In addition, only low suspended solid level was recorded during the monitoring period. In view of the above, the turbidity exceedance was considered not related to project works.
X_16C027	7-May-16	Mid-ebb	P4	DO(mg/l)	4.11	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	11.54	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 activities was conducted under Contract HK/2012/08 on the monitoring date. In view of no marine activity conducted, it is considered that the exceedance was not related to Contract HK/2012/08 project works. Despite silt screen removal was conducted by Contract HK/2009/01 at P4 & P5 monitoring station on the monitoring date, only welding works and lifting works was involved and no particular effect on water quality was considered. In addition, only low suspended solid level was recorded during the monitoring period. In view of the above and no exceedance was recorded on subsequent monitoring, the turbidity exceedance was considered not related to project works.
X_16C028	7-May-16	Mid-flood	P3	DO(mg/l)	4.28	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	12.56	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	6.00	18.42	27.54	Remarks/ Other Obs: No marine activities was conducted under Contract HK/2012/08 on the monitoring date. In view of no marine activity conducted, it is considered that the exceedance was not related to Contract HK/2012/08 project works. Despite silt screen removal was conducted by Contract HK/2009/01 at P4 & P5 monitoring station on the monitoring date, only welding works and lifting works was involved and no particular effect on water quality was considered. In addition, only low suspended solid level was recorded during the monitoring period. In view of the above, the turbidity exceedance was considered not related to project works.



Ref no.	Date	Tidal	Location	Parameters (Unit)	Measured	Action Level	Limit Level	Follow-up action	
X_16C029	9-May-16	Mid-flood	C1	DO(mg/l)	4.83	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	12.51	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	9.00	18.42	27.54	Remarks/ Other Obs:	No marine activity was conducted under Contract HK/2009/01 and Contract HK/2009/02 on the monitoring date. Territory wide water quality variation was observed across Wan Chai East to Sheung Wan at both upstream and downstream locations of works area potentially in related to seasonal tide changes. In view of the above and no exceedance was recorded on the subsequent monitoring, the exceedance was considered not related to project works.
X_16C030	9-May-16	Mid-flood	P1	DO(mg/l)	5.06	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	12.55	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	6.00	18.42	27.54	Remarks/ Other Obs:	No marine activity was conducted under Contract HK/2012/08 on the monitoring date. The location of the construction area was downstream of P1 monitoring station during the monitoring period. Territory wide water quality variation was observed across Wan Chai East to Sheung Wan at both upstream and downstream locations of works area potentially in related to seasonal tide changes. In view of the above and no exceedance was recorded on the subsequent monitoring, the exceedance was considered not related to Project works.
X_16C031	9-May-16	Mid-flood	P3	DO(mg/l)	5.12	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	13.70	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	7.00	18.42	27.54	Remarks/ Other Obs:	No marine activity was conducted under Contract HK/2012/08 on the monitoring date. The location of the construction area was downstream of P3 monitoring station during the monitoring period. Territory wide water quality variation was observed across Wan Chai East to Sheung Wan at both upstream and downstream locations of works area potentially in related to seasonal tide changes. In view of the above and no exceedance was recorded on the subsequent monitoring, the exceedance was considered not related to Project works.



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_16C032	9-May-16	Mid-flood	P4	DO(mg/l)	5.22	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	12.84	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	7.00	18.42	27.54	Remarks/ Other Obs: No marine activity was conducted under Contract HK/2012/08 on the monitoring date. The location of the construction area was downstream of P4 monitoring station during the monitoring period. Territory wide water quality variation was observed across Wan Chai East to Sheung Wan at both upstream and downstream locations of works area potentially in related to seasonal tide changes. In view of the above and no exceedance was recorded on the subsequent monitoring, the exceedance was considered not related to Project works.
X_16C033	9-May-16	Mid-flood	P5	DO(mg/l)	5.16	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	12.44	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	6.50	18.42	27.54	Remarks/ Other Obs: No marine activity was conducted under Contract HK/2012/08 on the monitoring date. The location of the construction area was downstream of P5 monitoring station during the monitoring period. Territory wide water quality variation was observed across Wan Chai East to Sheung Wan at both upstream and downstream locations of works area potentially in related to seasonal tide changes. In view of the above and no exceedance was recorded on the subsequent monitoring, the exceedance was considered not related to Project works.



Ref no.	Date	Tidal	Location	Parameters (Unit)	Measured	Action Level	Limit Level	Follow-up action
X_16W037	29-Apr-16	Mid-flood	RW21-P789	DO(mg/l)	4.77	3.17	2.63	Possible reason: Natural variation or changes of water quality in the vicinity of water quality monitoring station.
				Turbidity	11.26	10.01	11.54	Action taken/ to be taken: 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	Remarks/ Other Obs: Despite rock armour placing work at seawall near Expo Drive East was conducted under Contract HK/2009/02 on the monitoring date, contractor mitigation measures include the use of silt curtain was in place, and installed silt screen was generally in order. Location of the construction area was downstream of RW21-P789 monitoring station during monitoring period. 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_16W038	3-May-16	Mid-flood	WSD19	DO(mg/l)	5.49	3.17	2.63	Possible reason: Natural variation or changes of water quality in the vicinity of water quality monitoring station.
				Turbidity	10.91	10.01	11.54	Action taken/ to be taken: Immediate repeated in-situ measurement to confirm the exceedances. Checking with Contractor works and review previous monitoring data.
				SS	7.00	16.26	17.74	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.
X_16W039	5-May-16	Mid-ebb	WSD19	DO(mg/l)	5.6	3.17	2.63	Possible reason: Natural variation or changes of water quality in the vicinity of water quality monitoring station.
				Turbidity	12.15	10.01	11.54	Action taken/ to be taken: Immediate repeated in-situ measurement to confirm the exceedances. Checking with Contractor works and review previous monitoring data.
				SS	9.00	16.26	17.74	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.
X_16W040	5-May-16	Mid-flood	RW21-P789	DO(mg/l)	4.92	3.17	2.63	Possible reason: Natural variation or changes of water quality in the vicinity of water quality monitoring station.
				Turbidity	12.46	10.01	11.54	Action taken/ to be taken: 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	Remarks/ Other Obs: No marine activity was conducted under Contract HK/2009/02 on the monitoring date. In view of no marine activity was conducted and no exceedance recorded on the subsequent monitoring, the exceedance was considered not project related.



Ref no.	Date	Tidal	Location	Parameters (Unit)	Measured	Action Level	Limit Level	Follow-up action
X_16W041	5-May-16	Mid-flood	WSD19	DO(mg/l)	5.26	3.17	2.63	Possible reason: Natural variation or changes of water quality in the vicinity of water quality monitoring station.
				Turbidity	12.79	10.01	11.54	Action taken/ to be taken: Immediate repeated in-situ measurement to confirm the exceedances. Checking with Contractor works and review previous monitoring data.
				SS	4.50	16.26	17.74	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.
X_16W042	7-May-16	Mid-ebb	WSD19	DO(mg/l)	4.85	3.17	2.63	Possible reason: Natural variation or changes of water quality in the vicinity of water quality monitoring station.
				Turbidity	10.58	10.01	11.54	Action taken/ to be taken: Immediate repeated in-situ measurement to confirm the exceedances. Checking with Contractor works and review previous monitoring data.
				SS	4.00	16.26	17.74	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 and no exceedance was recorded on the subsequent monitoring, the exceedance was considered not project related.
X_16W043	9-May-16	Mid-flood	RW21-P789	DO(mg/l)	5.16	3.17	2.63	Possible reason: Natural variation or changes of water quality in the vicinity of water quality monitoring station.
				Turbidity	13.55	10.01	11.54	Action taken/ to be taken: Immediate repeated in-situ measurement to confirm the exceedances. Checking with Contractor works and review previous monitoring data.
				SS	7.00	16.26	17.74	Remarks/ Other Obs: No marine activity was conducted under Contract HK/2009/02 on the monitoring date. In view of no marine activity was conducted and no exceedance recorded on the subsequent monitoring, the exceedance was considered not project related.
X_16W044	9-May-16	Mid-flood	WSD19	DO(mg/l)	5.17	3.17	2.63	Possible reason: Natural variation or changes of water quality in the vicinity of water quality monitoring station.
				Turbidity	13.88	10.01	11.54	Action taken/ to be taken: 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	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.



Lam Geotechnics Limited

Contract No. HK/2015/01
Wanchai Development Phase II and Central Wanchai Bvoass
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_16W045	9-May-16	Mid-ebb	WSD19	DO(mg/l)	4.99	3.17	2.63	Possible reason: Natural variation or changes of water quality in the vicinity of water quality monitoring station.
				Turbidity	12.74	10.01	11.54	Action taken/ to be taken: Immediate repeated in-situ measurement to confirm the exceedances. Checking with Contractor works and review previous monitoring data.
				SS	9.00	16.26	17.74	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 and no exceedance was recorded on the subsequent monitoring, the exceedance was considered not project related.



Ref no.	Date	Tidal	Location	Depth	Parameters (Unit)	Measured	Action Level	Limit Level	Follow-up action
X_16D008	3-May-16	Mid-ebb	Ex-WPCWA SW	Middle	DO(mg/l)	3.05	3.19	3.10	<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 backfilling works was conducted at TPCWAW under HY/2009/15 on the monitoring date, contractor mitigation measures include the use of tarpaulin sheet between barge and land and provision of bunding for site runoff control was generally in place. Meanwhile, 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>
X_16D009	7-May-16	Mid-ebb	Ex-WPCWA SW	Middle	DO(mg/l)	2.86	3.19	3.10	<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: No marine activity was conducted under HY/2009/15 on the monitoring date. Upstream discharge from nearby culvert was noted. In view of no marine activity and no exceedance was recorded on the subsequent monitoring, the exceedance was considered not related to the Project works.</p>
X_16D010	9-May-16	Mid-ebb	Ex-WPCWA SW	Middle	DO(mg/l)	2.48	3.19	3.10	<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 backfilling works was conducted at TPCWAW under HY/2009/15 on the monitoring date, contractor mitigation measures include the use of tarpaulin sheet between barge and land and provision of bunding for site runoff control was generally in place. Meanwhile, 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>
X_16D011	23-May-16	Mid-ebb	Ex-WPCWA SE	Surface	DO(mg/l)	3.46	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: No marine activity was conducted under HY/2009/15 on the monitoring date. Upstream discharge from nearby culvert was noted. In view of no marine activity and no exceedance was recorded on the subsequent monitoring, the exceedance was considered not related to the Project works.</p>
X_16D012	25-May-16	Mid-ebb	Ex-WPCWA SW	Middle	DO(mg/l)	3.04	3.19	3.10	<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: No marine activity was conducted under HY/2009/15 on the monitoring date. Upstream discharge from nearby culvert was noted. In view of no marine activity and no exceedance was recorded on the subsequent monitoring, the exceedance was considered not related to the Project works.</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_16D013	25-May-15	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: No marine activity was conducted under HY/2009/15 on the monitoring date. Upstream discharge from nearby culvert was noted. In view of no marine activity and no exceedance was recorded on the subsequent monitoring, the exceedance was considered not related to the Project works.</p>