



Ref. No.	Date	Time	Location	Measured TSP Level	Unit	Action Level	Limit Level	Follow-up action
X_16A071	11-Dec-17	8:00	CMA5b- Pedestrian Plaza	229.2	24hr TSP (ug/m ³)	181.0	260	Possible reason: TSP level potentially in relate to the ambient condition around the monitoring station.
	12-Dec-17	9:30	CMA5b- Pedestrian Plaza	397.6	1hr TSP (ug/m ³)	332.0	500	<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:</p> <p>Road and drain construction works was undertaken under Contract HK/2012/08 around the monitoring location on the monitoring date and no particular observation regarding dust emission was observed during sampling periods. Mitigation measure including water spraying for haul road and dusty surface were implemented by the Contractor of HK/2012/08.</p> <p>Meanwhile, non WDII-CWB Project construction activities was observed opposite to the monitoring station on the monitoring date. According to the EPD monitoirng record, AQHI recorded at the Causeway Bay station was recorded as Lv4 - Lv7 on 11 Decmeber 2017 and recorded as Lv6 on 12 December 2017 during the monitoring period indicating the adverse ambient condition. In addition, similar elevation in TSP level were recorded across the same period on 11 December 2017 at other Project AQM stations including CMA6a at Wanchai and CMA3a at Causeway Bay area suggesting overall air quality within the district was under influence of ambient pollutant.</p> <p>In view of the above, the exceedance was considered to be not related to the Project works under Contract HK/2012/08 and potentially contributed by ambient air quality condition. Nevertheless, the Contractor of HK/2012/08 was advised to strengthen the overall dust suppression control measures to ensure all dusty surface and stockpile are covered or dampened to avoid potential dust emission.</p>



Ref. No.	Date	Time	Location	Measured TSP Level	Unit	Action Level	Limit Level	Follow-up action
X_16A074	23-Dec-17	9:55	CMA5b- Pedestrian Plaza	358.6	1hr TSP (ug/m ³)	332.0	500	<p>Possible reason: TSP level potentially in relate to the nearby traffic and ambient condition around the monitoring station at the time of monitoring.</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: Road and drain construction works was undertaken under Contract HK/2012/08 around the monitoring location on the monitoring date and no particular observation regarding dust emission was observed during sampling periods. Mitigation measure including water spraying for haul road and dusty surface were implemented by the Contractor of HK/2012/08.</p> <p>Meanwhile, non WDII-CWB Project excavation material handling was observed opposite to the monitoring station on the monitoring date. In addition, elevated PM2.5 and PM10 level were recorded at the EPD Causeway Bay monitoring station across the monitoring period suggesting the meterological condition at the time of monitoring may not favour the dispersion of ambient air pollutant within the district and hence affecting the air quality.</p> <p>In view of the above, the exceedance was considered to be not related to the Project works under Contract HK/2012/08 and potentially contributed by ambient air quality condition. Nevertheless, the Contractor of HK/2012/08 was advised to strengthen the overall dust suppression control measures to ensure all dusty surface and stockpile are covered or dampened to avoid potential dust emission.</p>



Ref no.	Date	Tidal	Location	Parameters (Unit)	Measured	Action Level	Limit Level	Follow-up action
X_16C156	1-Dec-17	Mid-ebb	C7	DO(mg/L)	6.09	3.36	2.73	<p>Possible reason: Dispersion of silty plume from temporary cut slope and diaphragm wall cutting works area due to defective silt curtain and impermeable barrier deployed and affecting the nearby water quality around cooling water intake.</p>
				Turbidity (NTU)	10.87	9.10	10.25	
				SS (mg/L)	9.00	15.00	22.13	
	1-Dec-17	Mid-flood	C7	DO(mg/L)	5.76	3.36	2.73	<p>Action taken/ to be taken: Immediate repeat in-situ measurement to confirm the exceedances. The Contractor of HY/2010/08 was immediately requested to take remedial actions to rectify the environmental defects observed.</p> <p>Water quality monitoring was conducted on 01 December 2017 during ebb tide at 1135hrs and action level exceedance of Turbidity (10.87 NTU) was recorded. Subsequent monitoring was conducted on 01 December 2017 during flood tide at 1739hrs and limit level exceedances of Turbidity (51.93TU) and Suspended Solid (45.5mg/L) were subsequently recorded.</p> <p>Additional monitoring in accordance with the Event and Action Plan was conducted on 02 December 2017 and no further turbidity exceedance was recorded.</p> <p>Upon identification of defects observed on 01 December 20-17 during ebb tide, rectification measure including rectification of impermeable barrier deployed around temporary cut slope was implemented by the Contractor on 01 December 2017 flood tide. Subsequently rectification measures including i) rectification of silt curtain and impermeable barrier deployed around diaphragm wall cutting works and ii) cleaning of water holding tank were implemented by the Contractor by 02 December 2017.</p>
				Turbidity (NTU)	51.93	9.10	10.25	
				SS (mg/L)	45.50	15.00	22.13	
								<p>Remarks/ Other Obs: Water Quality Monitoring was conducted on 01 December 2017 during ebb tide and flood tide, and action level exceedance of Turbidity was recorded. Diaphragm wall cutting works and seabed reinstatement works were conducted adjacent to the monitoring location during monitoring while silty plume was observed dispersing from the temporary cut slope through the defective impermeable barrier deployed and affecting the nearby water quality. Hence, the exceedance recorded was considered as Project related.</p> <p>Subsequently, water quality monitoring was conducted on the next sampling tide on 01 December 2017 during flood tide and limit level exceedance of Turbidity and Suspended Solid were recorded. Diaphragm wall cutting works was conducted adjacent to the monitoring location during monitoring. Despite the impermeable barrier deployed around the temporary cut slope has been rectified and restored, the silt curtain and impermeable barrier deployed around the diaphragm cutting works was observed improperly deployed with opening and silty plume was observed and affecting the water quality around the cooling water intake and nearby waterbody. Hence, the exceedances was therefore</p> <p>On 02 December 2017, rectification of silt curtain and impermeable barrier deployed around diaphragm wall cutting works and ii) cleaning of water holding tank were implemented by the Contractor. Additional sampling was conducted on 02 December 2017 and no further turbidity exceedance was recorded and subsequently no further suspended solid exceedance was recorded on 04 December 2017 ebb tide. The Contractor of HY/2010/08 was reminded to maintain regular checking and maintenance for silt screen installed and the water holding tank to avoid potential water quality impact.</p>



Ref no.	Date	Tidal	Location	Parameters (Unit)	Measured	Action Level	Limit Level	Follow-up action
X_16C157	1-Dec-17	Mid-flood	P5	DO(mg/l)	5.07	3.36	2.73	Possible reason: 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	9.35	9.10	10.25	Action taken/ to be taken: Immediate repeated in-situ measurement to confirm the exceedances. Checked with Contractor works and reviewed previous monitoring data.
				SS	8.50	15.00	22.13	Remarks/ Other Obs: No marine construction activity was conducted under Contract HK/2012/08 on the monitoring date, while the location of the construction area was at downstream of monitoring station P5 during monitoring period. In view of the above, it is considered that the exceedance was not related to Project works. No exceedance was recorded in the subsequent monitoring on 4 December 2017 ebb tide.
X_16C158	4-Dec-17	Mid-flood	C7	DO(mg/l)	6.44	3.36	2.73	Possible reason: 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	9.39	9.10	10.25	Action taken/ to be taken: Immediate repeated in-situ measurement to confirm the exceedances. Checked with Contractor works and reviewed previous monitoring data.
				SS	20.50	15.00	22.13	Remarks/ Other Obs: Diaphragm wall concrete coring works was conducted at TS3 North under Contract HY/2010/08 on the monitoring date and mitigation measure including deployment of silt curtain to enclose the works area and deployment and maintenance of silt screen of concerned water intake were implemented by the Contractor. No particular water quality impact from construction works was observed. In view of above, it is considered that the exceedance was not related to Project works.



Ref no.	Date	Tidal	Location	Parameters (Unit)	Measured	Action Level	Limit Level	Follow-up action
X_16C159	16-Dec-17	Mid-flood	C7	DO(mg/l)	6.76	3.36	2.73	Possible reason: Silty plume originated from temporary reclamation removal works influencing the water quality of the waterbody and concerned water intake within the silt curtain enclosed area.
				Turbidity	22.80	9.10	10.25	Action taken/ to be taken: Immediate repeat in-situ measurement to confirm the exceedances. The Contractor of HY/2010/08 was immediately requested to take remedial actions to rectify the environmental defects observed. Water quality monitoring was conducted on 16 December 2017 during flood tide at 1605 hrs and limit level exceedance of Turbidity (22.80 NTU) and limit level exceedance of Suspended Solid (29.5mg/L) were recorded.
				SS	29.50	15.00	22.13	Upon identification of the exceedance, tidying of silt screen and additional silt curtain around the concerned water cooling water intake were implemented by the Contractor of HY/2010/08 and flushing of the water holding tank was also implemented. Subsequent monitoring was conducted on 17 December 2017 during ebb tide at 0225hrs and no further exceedance was recorded
								Remarks/ Other Obs: Water Quality Monitoring was conducted on 16 December 2017 during flood tide, and limit level exceedance of Turbidity (22.80 NTU) and limit level exceedance of Suspended Solid (29.5mg/L) were recorded. Silty plume originated from temporary reclamation removal works influencing the water quality of the waterbody and concerned water intake within the silt curtain enclosed area. Hence, the exceedance recorded was considered as Project related. Upon identification of the exceedance, tidying of silt screen and additional silt curtain around the concerned water cooling water intake were implemented by the Contractor of HY/2010/08 and flushing of the water holding tank was also implemented. Subsequent monitoring was conducted on 17 December 2017 during ebb tide at 0225hrs and no further exceedance was recorded In addition, the Contractor of HY/2010/08 was also advised to rectify the gap opening at the ends of the outer perimeter silt curtain deployed to enclose the worksfront to avoid adverse water quality impact to the CBTS area. The Contractor of HY/2010/08 was also advised to review the use of impermeable barrier to separate the sheetpiling works area and the concerned water intake without blocking the water circulation to the water intake to safeguard the water intake.
X_16C160	19-Dec-17	Mid-flood	C7	DO(mg/l)	6.52	3.36	2.73	Possible reason: 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	10.12	9.10	10.25	Action taken/ to be taken: Immediate repeated in-situ measurement to confirm the exceedances. Checked with Contractor works and reviewed previous monitoring data.
				SS	10.00	15.00	22.13	Remarks/ Other Obs: On 19 December 2017, no marine construction activity was conducted under Contract HY/2010/08 on the monitoring date and the silt screen installed at for concerned water intake were maintained and generally in order. Hence, it is considered that the exceedance was not related to Project works.



Ref no.	Date	Tidal	Location	Parameters (Unit)	Measured	Action Level	Limit Level	Follow-up action
X_16C161	19-Dec-17	Mid-flood	C1	DO(mg/l)	6.70	3.36	2.73	Possible reason: 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	11.23	9.10	10.25	Action taken/ to be taken: Immediate repeated in-situ measurement to confirm the exceedances. Checked with Contractor works and reviewed previous monitoring data.
				SS	8.50	15.00	22.13	Remarks/ Other Obs: No marine construction activity was conducted under Contract HK/2012/08 on the monitoring date and the location of the construction area was at downstream of monitoring station C1 during monitoring period. In view of the above, it is considered that the exceedance was not related to Project works. No exceedance was recorded in the subsequent monitoring on 21 December 2017 ebb tide.
X_16C162	19-Dec-17	Mid-flood	P1	DO(mg/l)	6.63	3.36	2.73	Possible reason: 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	12.96	9.10	10.25	Action taken/ to be taken: Immediate repeated in-situ measurement to confirm the exceedances. Checked with Contractor works and reviewed previous monitoring data.
				SS	9.50	15.00	22.13	Remarks/ Other Obs: No marine construction activity was conducted under Contract HK/2012/08 on the monitoring date, while the location of the construction area was at downstream of monitoring station P1 during monitoring period. In view of the above, it is considered that the exceedance was not related to Project works. No exceedance was recorded in the subsequent monitoring on 21 December 2017 ebb tide.
X_16C163	19-Dec-17	Mid-flood	P3	DO(mg/l)	6.72	3.36	2.73	Possible reason: 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	11.24	9.10	10.25	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	15.00	22.13	Remarks/ Other Obs: No marine construction activity was conducted under Contract HK/2012/08 on the monitoring date, while the location of the construction area was at downstream of monitoring station P3 during monitoring period. In view of the above, it is considered that the exceedance was not related to Project works. No exceedance was recorded in the subsequent monitoring on 21 December 2017 ebb tide.
X_16C164	19-Dec-17	Mid-flood	P4	DO(mg/l)	6.57	3.36	2.73	Possible reason: 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	14.41	9.10	10.25	Action taken/ to be taken: Immediate repeated in-situ measurement to confirm the exceedances. Checked with Contractor works and reviewed previous monitoring data.
				SS	8.00	15.00	22.13	Remarks/ Other Obs: No marine construction activity was conducted under Contract HK/2012/08 on the monitoring date, while the location of the construction area was at downstream of monitoring station P4 during monitoring period. In view of the above, it is considered that the exceedance was not related to Project works. No exceedance was recorded in the subsequent monitoring on 21 December 2017 ebb tide.



Ref no.	Date	Tidal	Location	Parameters (Unit)	Measured	Action Level	Limit Level	Follow-up action
X_16C165	19-Dec-17	Mid-flood	P5	DO(mg/l)	6.48	3.36	2.73	Possible reason: 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	14.57	9.10	10.25	Action taken/ to be taken: Immediate repeated in-situ measurement to confirm the exceedances. Checked with Contractor works and reviewed previous monitoring data.
				SS	10.00	15.00	22.13	Remarks/ Other Obs: No marine construction activity was conducted under Contract HK/2012/08 on the monitoring date, while the location of the construction area was at downstream of monitoring station P5 during monitoring period. In view of the above, it is considered that the exceedance was not related to Project works. No exceedance was recorded in the subsequent monitoring on 21 December 2017 ebb tide.
X_16C166	21-Dec-17	Mid-flood	P1	DO(mg/l)	7.09	3.36	2.73	Possible reason: 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	9.40	9.10	10.25	Action taken/ to be taken: Immediate repeated in-situ measurement to confirm the exceedances. Checked with Contractor works and reviewed previous monitoring data.
				SS	6.00	15.00	22.13	Remarks/ Other Obs: Despite trimming of rock level at Zone D was conducted under Contract HK/2012/08 on the monitoring date, Contractor mitigation measure including the use of silt curtain was in place. The location of the construction area was at downstream of monitoring station P1 during monitoring period. In view of the above, it is considered that the exceedance was not related to Project works. No exceedance was recorded in the subsequent monitoring on 23 December 2017 ebb tide.
X_16C167	21-Dec-17	Mid-flood	P5	DO(mg/l)	7.09	3.36	2.73	Possible reason: 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	9.86	9.10	10.25	Action taken/ to be taken: Immediate repeated in-situ measurement to confirm the exceedances. Checked with Contractor works and reviewed previous monitoring data.
				SS	5.00	15.00	22.13	Remarks/ Other Obs: Despite trimming of rock level at Zone D was conducted under Contract HK/2012/08 on the monitoring date, Contractor mitigation measure including the use of silt curtain was in place. The location of the construction area was at downstream of monitoring station P1 during monitoring period. In view of the above, it is considered that the exceedance was not related to Project works. No exceedance was recorded in the subsequent monitoring on 23 December 2017 ebb tide.

Ref no.	Date	Tidal	Location	Parameters	Measured	Action Level	Limit	Follow-up action
X_16W132	27-Nov-17	Mid-flood	WSD19	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. Transition of action and limit level from wet season.
				Turbidity	8.95	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	10.00	13.00	14.43	Remarks/ Other Obs: Despite trimming of rock level within area of silt curtain at Zone A2 was conducted under Contract HK/2012/08 on the monitoring date. Contractor mitigation measure including the use of silt curtain was in place. In view of the above and considering transition period from wet season to dry season, it is considered that the exceedance was not related to Project works.
X_16W133	29-Nov-17	Mid-ebb	WSD19	DO(mg/l)	6.36	3.66	3.28	Possible reason: 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	13.23	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	23.50	13.00	14.43	Remarks/ Other Obs: Despite trimming of rock level within area of silt curtain at Zone A2 was conducted under Contract HK/2012/08 on the monitoring date. Contractor mitigation measure including the use of silt curtain was in place. The location of the construction area was at downstream of monitoring station WSD19 during monitoring period. In view of the above and considering transition period from wet season to dry season, it is considered that the exceedance was not related to Project works. No exceedance was recorded in the subsequent monitoring on 29 November 2017 Flood tide.
X_16W134	1-Dec-17	Mid-ebb	WSD19	DO(mg/l)	6.50	3.66	3.28	Possible reason: 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	10.40	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	10.00	13.00	14.43	Remarks/ Other Obs: No marine construction activity under Contract HK/2012/08 was conducted on the monitoring date. The location of the construction area was at downstream of monitoring station WSD19 during monitoring period. In view of above, it is considered the exceedance was not related to Project work.
X_16W135	1-Dec-17	Mid-flood	WSD19	DO(mg/l)	5.89	3.66	3.28	Possible reason: 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	8.42	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	6.50	13.00	14.43	Remarks/ Other Obs: No marine construction activity under Contract HK/2012/08 was conducted on the monitoring date. In view of above, it is considered the exceedance was not related to Project work.
X_16W136	1-Dec-17	Mid-flood	RW21-P789	DO(mg/l)	5.65	3.66	3.28	Possible reason: 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	9.35	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	9.00	13.00	14.43	Remarks/ Other Obs: No marine construction activity under Contract HK/2009/02 was conducted on the monitoring date, and the installed silt screen was observed generally in order. In view of the above, it is considered that the exceedance was not related to Project works.



Ref no.	Date	Tidal	Location	Parameters	Measured	Action Level	Limit	Follow-up action
X_16W137	4-Dec-17	Mid-ebb	WSD19	DO(mg/l)	6.29	3.66	3.28	Possible reason: 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	10.27	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	11.50	13.00	14.43	Remarks/ Other Obs: No marine construction activity under Contract HK/2012/08 was conducted on the monitoring date. The location of the construction area was at downstream of monitoring station WSD19 during monitoring period. In view of above, it is considered the exceedance was not related to Project work. No exceedance was recorded in the subsequent monitoring on 4 December 2017 Flood tide.
X_16W138	4-Dec-17	Mid-ebb	RW21-P789	DO(mg/l)	6.28	3.66	3.28	Possible reason: 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	12.07	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	12.50	13.00	14.43	Remarks/ Other Obs: No marine construction activity under Contract HK/2009/02 was conducted on the monitoring date, and the installed silt screen was observed generally in order. In view of the above, it is considered that the exceedance was not related to Project works. No exceedance was recorded in the subsequent monitoring on 4 December 2017 Flood tide.
X_16W139	9-Dec-17	Mid-ebb	WSD19	DO(mg/l)	7.12	3.66	3.28	Possible reason: 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	11.94	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	9.00	13.00	14.43	Remarks/ Other Obs: No marine construction activity under Contract HK/2012/08 was conducted on the monitoring date. The location of the construction area was at downstream of monitoring station WSD19 during monitoring period. In view of above, it is considered the exceedance was not related to Project work.
X_16W140	9-Dec-17	Mid-flood	WSD19	DO(mg/l)	6.48	3.66	3.28	Possible reason: 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	Action taken/ to be taken: Immediate repeated in-situ measurement to confirm the exceedances. Checked with Contractor works and reviewed previous monitoring data.
				SS	5.50	13.00	14.43	Remarks/ Other Obs: No marine construction activity under Contract HK/2012/08 was conducted on the monitoring date. In view of above, it is considered the exceedance was not related to Project work.
X_16W141	12-Dec-17	Mid-ebb	WSD19	DO(mg/l)	6.76	3.66	3.28	Possible reason: 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	8.86	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	11.50	13.00	14.43	Remarks/ Other Obs: No marine construction activity under Contract HK/2012/08 was conducted on the monitoring date. The location of the construction area was at downstream of monitoring station WSD19 during monitoring period. In view of above, it is considered the exceedance was not related to Project work. No exceedance was recorded in the subsequent monitoring on 12 December 2017 Flood tide.

Ref no.	Date	Tidal	Location	Parameters	Measured	Action Level	Limit	Follow-up action
X_16W142	14-Dec-17	Mid-ebb	WSD19	DO(mg/l)	6.78	3.66	3.28	Possible reason: 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	11.22	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	11.50	13.00	14.43	Remarks/ Other Obs: No marine construction activity under Contract HK/2012/08 was conducted on the monitoring date. The location of the construction area was at downstream of monitoring station WSD19 during monitoring period. In view of above, it is considered the exceedance was not related to Project work. No exceedance was recorded in the subsequent monitoring on 14 December 2017 Flood tide.
X_16W143	19-Dec-17	Mid-flood	WSD19	DO(mg/l)	6.50	3.66	3.28	Possible reason: 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	10.52	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	10.00	13.00	14.43	Remarks/ Other Obs: No marine construction activity under Contract HK/2012/08 was conducted on the monitoring date. In view of above, it is considered the exceedance was not related to Project work. No exceedance was recorded in the subsequent monitoring on 21 December 2017 Ebb tide.
X_16W144	19-Dec-17	Mid-flood	RW21-P789	DO(mg/l)	6.33	3.66	3.28	Possible reason: 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	12.90	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	8.00	13.00	14.43	Remarks/ Other Obs: No marine construction activity under Contract HK/2009/02 was conducted on the monitoring date, and the installed silt screen was observed generally in order. In view of the above, it is considered that the exceedance was not related to Project works. No exceedance was recorded in the subsequent monitoring on 21 December 2017 Ebb tide.
X_16W145	21-Dec-17	Mid-flood	WSD19	DO(mg/l)	7.04	3.66	3.28	Possible reason: 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	9.50	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	8.00	13.00	14.43	Remarks/ Other Obs: Despite trimming of rock level within area of silt curtain at Zone D was conducted under Contract HK/2012/08 on the monitoring date. Contractor mitigation measure including the use of silt curtain was in place. In view of the above, it is considered that the exceedance was not related to Project works. No exceedance was recorded in the subsequent monitoring on 23 December 2017 Ebb tide.

Ref no.	Date	Tidal	Location	Parameters	Measured	Action Level	Limit	Follow-up action
X_16W146	21-Dec-17	Mid-flood	RW21-P789	DO(mg/l)	7.44	3.66	3.28	Possible reason: 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	8.41	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	8.00	13.00	14.43	Remarks/ Other Obs: No marine construction activity under Contract HK/2009/02 was conducted on the monitoring date, and the installed silt screen was observed generally in order. In view of the above, it is considered that the exceedance was not related to Project works. No exceedance was recorded in the subsequent monitoring on 23 December 2017 Ebb tide.
X_16W147	23-Dec-17	Mid-flood	WSD19	DO(mg/l)	7.16	3.66	3.28	Possible reason: 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	8.73	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 construction activity under Contract HK/2012/08 was conducted on the monitoring date. In view of above, it is considered the exceedance was not related to Project work. No exceedance was recorded in the subsequent monitoring on 26 December 2017 Ebb tide.
X_16W148	23-Dec-17	Mid-flood	RW21-P789	DO(mg/l)	7.17	3.66	3.28	Possible reason: 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	10.22	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	6.50	13.00	14.43	Remarks/ Other Obs: No marine construction activity under Contract HK/2009/02 was conducted on the monitoring date, and the installed silt screen was observed generally in order. In view of the above, it is considered that the exceedance was not related to Project works. No exceedance was recorded in the subsequent monitoring on 26 December 2017 Ebb tide.

Ref. No.	Date	Time	Location	Construction Noise Level, dB(A)	Parameter	Action Level	Limit Level dB(A)	Follow-up action
X_16N109	4-Dec-17	13:45	M1a-Footbridge at Ex Harbour Road Sports Centre	78	Leq(30min)	when one documented complaint was received.	75	<p>Possible reason: Non WDII-CWB excavation works and hammering immediately next to the monitoring station was observed as the major noise contribution during monitoring.</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 and minor breaking works were conducted by Contract HK/2009/02 around the concerned location with a few and non-continuous breaking actions observed during measurement. Acoustic screening of breaker tip was implemented by Contract HK/2009/02 and no noise contribution was observed from the works. Meanwhile, non WDII-CWB excavation works and hammering next to the monitoring station were observed as the major noise contribution during monitoring. As such, the exceedance was considered as non-Project related to Contract HK/2009/02. Nevertheless, the Contractor of HK/2009/02 was reminded to maintain adequate noise mitigation measure around the concerned location to avoid potential cumulative impact.</p>
X_16N111	8-Dec-17	10:10	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: Reviewed the trend of noise measurement. Analysis of contractor's working procedure</p> <p>Remarks / Other Obs: Despite installation of sign gantry, transportation of rebars and house keeping work were conducted under HY/2009/19 around the monitoring location and nearby traffic noise was observed as major noise source during monitoring. As such, the exceedance was considered as non-Project related.</p>
X_16N113	11-Dec-17	10:15	M1a-Footbridge at Ex Harbour Road Sports Centre	77	Leq(30min)	when one documented complaint was received.	75	<p>Possible reason: Non WDII-CWB excavation and continuous breaking works immediately next to the monitoring station were observed as the major noise contribution during monitoring</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 and minor breaking works were conducted by Contract HK/2009/02 around the concerned location with a few and non-continuous breaking actions observed during measurement. Acoustic screening of breaking tip was implemented by Contract HK/2009/02 and no noise contribution was observed from the works. Meanwhile, non WDII-CWB excavation and continuous breaking works immediately next to the monitoring station were observed as the major noise contribution during monitoring. As such, the exceedance was considered as non-Project related to Contract HK/2009/02. Nevertheless, the Contractor of HK/2009/02 was reminded to maintain adequate noise mitigation measure around the concerned location to avoid potential cumulative impact.</p>



Ref. No.	Date	Time	Location	Construction Noise Level, dB(A)	Parameter	Action Level	Limit Level dB(A)	Follow-up action
X_16N115	20-Dec-17	10:10	M6-HK Baptist Church Henrietta Secondary School	69	Leq(30min)	when one documented complaint was received.	65	<p>Possible reason: Breaking works at IECL was observed during monitoring and was considered as the major noise contribution.</p> <p>Action taken / to be taken: Immediate repeat measurement was conducted to confirm the result at the same location. The construction noise level of repeated measurement at the same location on the same date was: 20 December 2017 at 10:50 69.3dB(A). Contractor was advised to prepare and submit the remediation plan for the concerned construction works.</p> <p>Remarks / Other Obs: Additional monitoring was conducted on 21 December 2017 10:50 70dB(A) during non-examination period. No further exceedance was recorded.</p> <p>Breaking of paving surface at Pier F5 and F6 under Contract HY/2009/19 was conducted during the measurement on 20 December 2017 and breaking operation behind the IECL noise enclosure was observed as the major noise influence during measurement. Hence, the exceedance was considered as Project related. In view of the adjustment of limit level on the subsequent monitoring date with respect to the completion of school examination, no further exceedance was recorded during additional monitoring conducted on 21 December 2017 at the concerned location. Nevertheless, the Contractor of HY/2009/19 was advised to adopt additional noise mitigation measure for future breaking works, if any, at the concerned location during examination period, such as provision of localized movable noise barrier to ensure that the nearby noise sensitive receiver would not be adversely affected.</p>