



Ref. No.	Date	Time	Location	Measured TSP Level	Unit	Action Level	Limit Level	Follow-up action
X_15A010	9-Feb-15	10:40	CMA5b- Pedestrian Plaza	431.8	1hr TSP (ug/m <sup>3</sup> )	332.0	500	<p><b>Possible reason:</b> Elevated ambient air pollution level and nearby road traffic was observed during monitoring and was considered as the major contribution for air quality impact.</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 water spraying for haul road was implemented by Contractor of HK/2009/01</p> <p><b>Remarks / Other Obs:</b> Although tunnel construction, road barrier construction and retaining wall construction were conducted under HK/2009/01 during monitoring, the air pollution level of ambient air quality was considered to have contributed to the air quality impact. The Air Quality Health Index (AQHI) recorded by EPD at Central/ Western District and Causeway Bay road-side station during the monitoring period was ranged from 5 to 6 and from 6 to 8 respectively during the monitoring period indicating a relatively high concentration of air pollutants. Elevated TSP levels were also recorded among other construction dust monitoring stations located across WanChai to North Point area.</p> <p>In addition, the frequent road traffic exhaust at Convention avenue adjacent to the concerned monitoring station CMA5b was also considered to have contributed to the air quality impact. In view of similar construction activities and mitigation measures were undertaken in previous monitoring and no exceedance was recorded while no air related deficiency was observed during subsequent weekly environmental inspection on 11 Feb 2015, the implemented measures were considered effective and exceedance was considered as non-project related.</p>
X_15A011	9-Feb-15	13:00	CMA5b- Pedestrian Plaza	356.3	1hr TSP (ug/m <sup>3</sup> )	332.0	500	<p><b>Possible reason:</b> Elevated ambient air pollution level and nearby road traffic was observed during monitoring and was considered as the major contribution for air quality impact.</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 water spraying for haul road and was implemented by Contractor of HK/2009/01</p> <p><b>Remarks / Other Obs:</b> Although tunnel construction, road barrier construction and retaining wall construction were conducted under HK/2009/01 during monitoring, the air pollution level of ambient air quality was considered to have contributed to the air quality impact. The Air Quality Health Index (AQHI) recorded by EPD at Central/ Western District and Causeway Bay road-side station during the monitoring period was ranged from 5 to 6 and from 6 to 8 respectively during the monitoring period indicating a relatively high concentration of air pollutants. Elevated TSP levels were also recorded among other construction dust monitoring stations located across WanChai to North Point area.</p> <p>In addition, the frequent road traffic exhaust at Convention avenue adjacent to the concerned monitoring station CMA5b was also considered to have contributed to the air quality impact. In view of similar construction activities and mitigation measures were undertaken in previous monitoring and no exceedance was recorded while no air related deficiency was observed during subsequent weekly environmental inspection on 11 Feb 2015, the implemented measures were considered effective and exceedance was considered as non-project related.</p>
X_15A012	9-Feb-15	14:05	CMA5b- Pedestrian Plaza	543.4	1hr TSP (ug/m <sup>3</sup> )	332.0	500	<p><b>Possible reason:</b> Elevated ambient air pollution level and nearby road traffic was observed during monitoring and was considered as the major contribution for air quality impact.</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 water spraying for haul road and was implemented by Contractor of HK/2009/01</p> <p><b>Remarks / Other Obs:</b> Although tunnel construction, road barrier construction and retaining wall construction were conducted under HK/2009/01 during monitoring, the air pollution level of ambient air quality was considered as the major contribution to air quality impact. The Air Quality Health Index (AQHI) recorded by EPD at Central/ Western District and Causeway Bay road-side station during the monitoring period was ranged from 5 to 6 and from 6 to 8 respectively during the monitoring period indicating a relatively high concentration of air pollutants. Elevated TSP levels were also recorded among construction dust monitoring stations located at WanChai to North Point area.</p> <p>In addition, the frequent road traffic exhaust at Convention avenue adjacent to the concerned monitoring station CMA5b was also considered to have contributed to the air quality impact. In view of similar construction activities and mitigation measures were undertaken in previous monitoring and no exceedance was recorded while no air related deficiency was observed during subsequent weekly environmental inspection on 11 Feb 2015, the implemented measures were considered effective and exceedance was considered as non-project related.</p>



Ref. No.	Date	Time	Location	Measured TSP Level	Unit	Action Level	Limit Level	Follow-up action
X_15A008	7-Feb-15	18:19	CMA5b- Pedestrian Plaza	228.8	24 hr TSP (ug/m <sup>3</sup> )	181.0	260	<p><b>Possible reason:</b> Elevated ambient air pollution level and nearby road traffic was observed during monitoring and was considered as the major contribution for air quality impact.</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 water spraying for haul road was implemented by Contractor of HK/2009/01.</p> <p><b>Remarks / Other Obs:</b> Although tunnel construction, road barrier construction and retaining wall construction were conducted under HK/2009/01 during monitoring, the air pollution level of ambient air quality was considered as the major contribution to air quality impact. The Air Quality Health Index (AQHI) recorded by EPD at Central/ Western District and Causeway Bay road-side station during the monitoring period was ranged from 5 to 7 and from 5 to 10+ respectively during the monitoring period indicating a relatively high concentration of air pollutants. Elevated TSP levels were also recorded among other construction dust monitoring stations located across WanChai to North Point area.</p> <p>In addition, the frequent road traffic exhaust at Convention avenue adjacent to the concerned monitoring station CMA5b was also considered to have contributed to the air quality impact.</p> <p>In view of similar construction activities and mitigation measures were undertaken in previous and subsequent monitoring and no exceedance was recorded while no air related deficiency was observed during subsequent weekly environmental inspection on 11 Feb 2015, the implemented measures were considered effective and the exceedance was considered as non-project related.</p>



Ref. No.	Date	Time	Location	Measured TSP Level	Unit	Action Level	Limit Level	Follow-up action
X_15A013	9-Feb-15	10:40	CMA5b- Pedestrian Plaza	431.8	1hr TSP (ug/m <sup>3</sup> )	332.0	500	<p><b>Possible reason:</b> Elevated ambient air pollution level and nearby road traffic was observed during monitoring and was considered as the major contribution for air quality impact.</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 water spraying for concrete breaking was implemented by contractor of HK/2012/08.</p> <p><b>Remarks / Other Obs:</b> Although concrete breaking was conducted under HK/2012/08 during monitoring, the air pollution level of ambient air quality was considered to have contributed to the air quality impact. The Air Quality Health Index (AQHI) recorded by EPD at Central/ Western District and Causeway Bay road-side station during the monitoring period was ranged from 5 to 6 and from 6 to 8 respectively during the monitoring period indicating a relatively high concentration of air pollutants. Elevated TSP levels were also recorded among other construction dust monitoring stations located across WanChai to North Point area.</p> <p>In addition, the frequent road traffic exhaust at Convention avenue adjacent to the concerned monitoring station CMA5b was also considered to have contributed to the air quality impact. In view of similar construction activities and mitigation measures were undertaken in previous monitoring and no exceedance was recorded, the implemented measures were considered effective and exceedance was considered as non-project related while no air related deficiency was observed during subsequent weekly environmental inspection on 10 Feb 2015. Nevertheless, the Contractor of HK/2012/08 was reminded to further enhance the dust mitigation implemented to minimize for potential cumulative impact in the area.</p>
X_15A014	9-Feb-15	13:00	CMA5b- Pedestrian Plaza	356.3	1hr TSP (ug/m <sup>3</sup> )	332.0	500	<p><b>Possible reason:</b> Elevated ambient air pollution level and nearby road traffic was observed during monitoring and was considered as the major contribution for air quality impact.</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 water spraying for haul road and was implemented by contractor of HK/2012/08.</p> <p><b>Remarks / Other Obs:</b> Although concrete breaking was conducted under HK/2012/08 during monitoring, the air pollution level of ambient air quality was considered to have contributed to the air quality impact. The Air Quality Health Index (AQHI) recorded by EPD at Central/ Western District and Causeway Bay road-side station during the monitoring period was ranged from 5 to 6 and from 6 to 8 respectively during the monitoring period indicating a relatively high concentration of air pollutants. Elevated TSP levels were also recorded among other construction dust monitoring stations located across WanChai to North Point area.</p> <p>In addition, the frequent road traffic exhaust at Convention avenue adjacent to the concerned monitoring station CMA5b was also considered to have contributed to the air quality impact. In view of similar construction activities and mitigation measures were undertaken in previous monitoring and no exceedance was recorded, the implemented measures were considered effective and exceedance was considered as non-project related while no air related deficiency was observed during subsequent weekly environmental inspection on 10 Feb 2015. Nevertheless, the Contractor of HK/2012/08 was reminded to further enhance the dust mitigation implemented to minimize for potential cumulative impact in the area.</p>
X_15A015	9-Feb-15	14:05	CMA5b- Pedestrian Plaza	543.4	1hr TSP (ug/m <sup>3</sup> )	332.0	500	<p><b>Possible reason:</b> Elevated ambient air pollution level and nearby road traffic was observed during monitoring and was considered as the major contribution for air quality impact.</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 water spraying for haul road and was implemented by contractor of HK/2012/08.</p> <p><b>Remarks / Other Obs:</b> Although concrete breaking was conducted under HK/2012/08 during monitoring, the air pollution level of ambient air quality was considered to have contributed to the air quality impact. The Air Quality Health Index (AQHI) recorded by EPD at Central/ Western District and Causeway Bay road-side station during the monitoring period was ranged from 5 to 6 and from 6 to 8 respectively during the monitoring period indicating a relatively high concentration of air pollutants. Elevated TSP levels were also recorded among other construction dust monitoring stations located across WanChai to North Point area.</p> <p>In addition, the frequent road traffic exhaust at Convention avenue adjacent to the concerned monitoring station CMA5b was also considered to have contributed to the air quality impact. In view of similar construction activities and mitigation measures were undertaken in previous monitoring and no exceedance was recorded while no air related deficiency was observed during subsequent weekly environmental inspection on 10 Feb 2015, the implemented measures were considered effective and exceedance was considered as non-project related. Nevertheless, the Contractor of HK/2012/08 was reminded to further enhance the dust mitigation implemented to minimize for potential cumulative impact in the area.</p>



Ref. No.	Date	Time	Location	Measured TSP Level	Unit	Action Level	Limit Level	Follow-up action
X_15A009	7-Feb-15	18:19	CMA5b- Pedestrian Plaza	228.8	24 hr TSP (ug/m <sup>3</sup> )	181.0	260	<p><b>Possible reason:</b> Elevated ambient air pollution level and nearby road traffic was observed during monitoring and was considered as the major contribution for air quality impact.</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 water spraying for haul road and was implemented by contractor of HK/2012/08.</p> <p><b>Remarks / Other Obs:</b> Although concreting, diaphragm wall excavation and cage installation were conducted under HK/2012/08 during monitoring, the air pollution level of ambient air quality was considered as the major contribution to air quality impact. The Air Quality Health Index (AQHI) recorded by EPD at Central/ Western District and Causeway Bay road-side station during the monitoring period was ranged from 5 to 7 and from 5 to 10+ respectively during the monitoring period indicating a relatively high concentration of air pollutants. Elevated TSP levels were also recorded among other construction dust monitoring stations located across WanChai to North Point area.</p> <p>In addition, the frequent road traffic exhaust at Convention avenue adjacent to the concerned monitoring station CMA5b was also considered to have contributed to the air quality impact.</p> <p>In view of similar construction activities and mitigation measures were undertaken in previous and subsequent monitoring and no exceedance was recorded while no air related deficiency was observed during subsequent weekly environmental inspection on 10 Feb 2015, the implemented measures were considered effective and the exceedance was considered as non-project related.</p>



Lam Geotechnics Limited

Contract No. HK/2011/07  
Wanchai Development Phase II and Central Wanchai Bypass  
Sampling, Field Measurement and Testing Work (Stage2)  
Summary for Notification of Exceedance

Ref no.	Date	Tidal	Location	Parameters (Unit)	Measured	Action Level	Limit Level	Follow-up action
X_10C628	7-Feb-15	Mid-flood	C7	DO(mg/l)	6.66	3.36	2.73	<b>Possible reason:</b> Natural variation or changes of water quality in the vicinity of water abstraction location for the water quality monitoring station.
				Turbidity	11.92	9.10	10.25	<b>Action taken/ to be taken:</b> Immediate repeated in-situ measurement had conducted to confirm the exceedances. Checking with Contractor works and review previous monitoring data.
				SS	8.00	15.00	22.13	<b>Remarks/ Other Obs:</b> No marine works was conducted in the vicinity of the water quality monitoring station under Contractor of HY/2010/08 and Contractor of HY/2009/15 at CBTS on the monitoring date. Mitigation measures including implementation of silt screen system was in implemented by Contractor HY/2010/08 and the silt screen was found in order during monitoring. In addition, suspended solid level recorded during monitoring was found well below action level indicating no significant suspended solid impact which may affect cooling water intake operation. In view of the above findings and the exceedance was non- continuous, the exceedance was considered not related to the Project. Nevertheless, the Contractor of HY/2010/08 was reminded to maintain regular checking and cleaning for the silt screen and water holding tank of the diversion scheme to avoid any potential particulates concern within silt screen and water holding tank to safeguard the water quality for the cooling water intake station.



Ref no.	Date	Tidal	Location	Depth	Parameters (Unit)	Measured	Action Level	Limit Level	Follow-up action
X_10D507	7-Feb-15	Mid-ebb	Ex-WPCWA SE	Bottom	DO(mg/l)	5.11	5.36	5.35	<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> No marine works were conducted at Ex-WPCWA on the monitoring date and upstream discharge at the concerned location were consistently observed. In view of no marine activities were conducted, it was considered the exceedance was not related to Project.</p>
X_10D508	24-Feb-15	Mid-ebb	Ex-WPCWA SE	Bottom	DO(mg/l)	5.18	5.36	5.35	<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> No marine works were conducted at Ex-WPCWA on the monitoring date and upstream discharge at the concerned location were consistently observed. In view of no marine activities were conducted, it was considered the exceedance was not related to Project.</p>
X_10D509	26-Feb-15	Mid-flood	Ex-WPCWA SE	Bottom	DO(mg/l)	5.00	5.36	5.35	<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> No marine works were conducted at Ex-WPCWA on the monitoring date and upstream discharge at the concerned location were consistently observed. In view of no marine activities were conducted, it was considered the exceedance was not related to Project.</p>