



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_10C624	29-Oct-14	Mid-flood	RW21-P789	DO(mg/l)	5.31	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	8.40	8.04	9.49	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	13.00	14.43	Remarks/ Other Obs:	Despite dredging works was conducted at WCR3 under contract HK/2009/02 on the monitoring date, Contractor's mitigation measures including the use of frame type silt curtain was generally in order and the silt screen installed around intake location was generally in place. In view of the transition period from wet season to dry season and the exceedance was not continuous, it was considered the exceedance was not related to Project.
X_10C625	31-Oct-14	Mid-flood	P4	DO(mg/l)	6.03	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	9.32	9.10	10.25	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	15.00	22.13	Remarks/ Other Obs:	Despite placing of levelling stone was conducted under contract HK/2012/08 on the monitoring date, Contractor's mitigation measures including the use of silt curtain was generally in order and the silt screen installed around intake location was generally in place. In view of the transition period from wet season to dry season and the exceedance was not continuous, it was considered the exceedance was not related to Project.
X_10C626	3-Nov-14	Mid-ebb	RW21-P789	DO(mg/l)	5.50	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	8.63	8.04	9.49	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	13.00	14.43	Remarks/ Other Obs:	Despite dredging works was conducted at WCR3 under contract HK/2009/02 on the monitoring date, Contractor's mitigation measures including the use of frame type silt curtain was generally in order and the silt screen installed around intake location was generally in place. In view of the transition period from wet season to dry season and the exceedance was not continuous, it was considered the exceedance was not related to Project.



Ref no.	Date	Tidal	Location	Parameters (Unit)	Measured	Action Level	Limit Level	Follow-up action
X_W5185	29-Oct-14	Mid-flood	WSD19	DO(mg/l)	4.74	3.66	2.73	Possible reason: Natural variation or changes of water quality in the vicinity of water quality monitoring station.
				Turbidity	11.84	8.04	9.49	Action taken/ to be taken: Immediate repeated in-situ measurement to confirm the exceedances. Checking with Contractor works and review previous monitoring data.
				SS	8.50	13.00	14.43	Remarks/ Other Obs: Despite placing of levelling stones was conducted under contract HK/2012/08 on the monitoring date, Contractor mitigation measures including the use of silt curtain was generally in place. Silt screen at monitoring station was generally in order. In view of the exceedance was not continuous, it was considered that the exceedance was not project related.
X_W5186	31-Oct-14	Mid-flood	WSD19	DO(mg/l)	5.3	3.66	2.73	Possible reason: Natural variation or changes of water quality in the vicinity of water quality monitoring station.
				Turbidity	11.37	8.04	9.49	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	13.00	14.43	Remarks/ Other Obs: Despite placing of levelling stones was conducted under contract HK/2012/08 on the monitoring date, Contractor mitigation measures including the use of silt curtain was generally in place. Silt screen at monitoring station was generally in order. As such, it was considered that the exceedance was not project related.
X_W5187	3-Nov-14	Mid-ebb	WSD19	DO(mg/l)	5.85	3.66	2.73	Possible reason: Natural variation or changes of water quality in the vicinity of water quality monitoring station.
				Turbidity	14.97	8.04	9.49	Action taken/ to be taken: Immediate repeated in-situ measurement to confirm the exceedances. Checking with Contractor works and review previous monitoring data.
				SS	12.00	13.00	14.43	Remarks/ Other Obs: Despite placing of levelling stones was conducted under contract HK/2012/08 on the monitoring date, Contractor mitigation measures including the use of silt curtain was generally in place. Silt screen at monitoring station was generally in order. In view that construction area was located at the downstream of WSD19 monitoring station and no exceedance was recorded in subsequent monitoring, it was considered that the exceedance was not project related.



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Ref no.	Date	Tidal	Location	Depth	Parameters (Unit)	Measured	Action Level	Limit Level	Follow-up action
X_10D495	7-Nov-14	Mid-ebb	Ex-WPCWA SE	Bottom	DO(mg/l)	5.17	5.36	5.35	<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 installation of seawall block was conducted at Ex-WPCWA on the monitoring date. Upstream discharge at the concerned location were consistently observed. No dredging works for marine sediment was conducted. As such, it was considered the exceedance was not related to Project.</p>
X_10D496	7-Nov-14	Mid-flood	Ex-WPCWA SE	Surface	DO(mg/l)	3.67	4.26	3.61	<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 installation of seawall block was conducted at Ex-WPCWA on the monitoring date. Upstream discharge at the concerned location were consistently observed. No dredging works for marine sediment was conducted. In view of the exceedance was not continuous, it was considered the exceedance was not related to Project.</p>
X_10D497	7-Nov-14	Mid-flood	Ex-WPCWA SE	Bottom	DO(mg/l)	5.21	5.36	5.35	<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 installation of seawall block was conducted at Ex-WPCWA on the monitoring date. Upstream discharge at the concerned location were consistently observed. No dredging works for marine sediment was conducted. In view of the exceedance was not continuous, it was considered the exceedance was not related to Project.</p>
X_10D498	12-Nov-14	Mid-flood	Ex-WPCWA SE	Bottom	DO(mg/l)	4.48	5.36	5.35	<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 installation of seawall block was conducted at Ex-WPCWA on the monitoring date. Upstream discharge at the concerned location were consistently observed. No dredging works for marine sediment was conducted. In view of the exceedance was not continuous, it was considered the exceedance was not related to Project.</p>
X_10D499	17-Nov-14	Mid-ebb	Ex-WPCWA SW	Bottom	DO(mg/l)	4.47	4.71	4.63	<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 installation of seawall block was conducted at Ex-WPCWA on the monitoring date. Upstream discharge at the concerned location were consistently observed. No dredging works for marine sediment was conducted. In view of the exceedance was not continuous, it was considered the exceedance was not related to Project.</p>
X_10D500	17-Nov-14	Mid-ebb	Ex-WPCWA SE	Surface	DO(mg/l)	3.46	4.26	3.61	<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 installation of seawall block was conducted at Ex-WPCWA on the monitoring date. Upstream discharge at the concerned location were consistently observed. No dredging works for marine sediment was conducted. In view of the exceedance was not continuous, it was considered the exceedance was not related to Project.</p>



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X_10D501	17-Nov-14	Mid-ebb	Ex-WPCWA SE	Bottom	DO(mg/l)	4.30	5.36	5.35	<p>Possible reason:</p> <p>Possible in relation to the upstream organic discharge.</p> <p>Action taken/ to be taken:</p> <p>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:</p> <p>Despite installation of seawall block was conducted at Ex-WPCWA on the monitoring date. Upstream discharge at the concerned location were consistently observed. No dredging works for marine sediment was conducted. As such, it was considered the exceedance was not related to Project.</p>
X_10D502	17-Nov-14	Mid-flood	Ex-WPCWA SE	Bottom	DO(mg/l)	4.97	5.36	5.35	<p>Possible reason:</p> <p>Possible in relation to the upstream organic discharge.</p> <p>Action taken/ to be taken:</p> <p>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:</p> <p>Despite installation of seawall block was conducted at Ex-WPCWA on the monitoring date. Upstream discharge at the concerned location were consistently observed. No dredging works for marine sediment was conducted. In view of the exceedance was not continuous, it was considered the exceedance was not related to Project.</p>