



Ref no.	Date	Tidal	Location	Parameters (Avg.)	Measured	Action Level	Limit Level	Follow-up
X_W227	30-May-11	Mid-flood	WSD20	DO (mg/L)	4.87	3.17	2.63	Possible reason: Localized variation or changes in ambient conditions Action taken / to be taken: According to the information reported by Contractor HK/2009/01, filling operation in HKCEC1 area were carried out. Comparing with the monitoring stations closer to the site, the SS levels at all stations near HKCEC channel were well within Action Level. Remarks / Other Obs: In view that WSD20 was located far away from the marine work site and no any exceedance recorded at the stations related to Contract HK/2009/01, the exceedance was considered not related to Project works.
				Turbidity	8.30	10.01	11.54	
				Suspended Solid	18.00	16.26	19.74	
X_W228	1-Jun-11	Mid-flood	WSD20	DO (mg/L)	4.84	3.17	2.63	Possible reason: Localized variation or changes in ambient conditions Action taken / to be taken: According to the information reported by Contractor HK/2009/01, filling operation in HKCEC1 area were carried out. Comparing with the monitoring stations closer to the site, the SS levels at all stations near HKCEC channel were well within Action Level. Remarks / Other Obs: In view that WSD20 was located far away from the marine work site and no any exceedance recorded at the stations related to Contract HK/2009/01, the exceedance was considered not related to Project works.
				Turbidity	14.95	10.01	11.54	
				Suspended Solid	24.00	16.26	19.74	

Ref no.	Date	Tidal	Location	Parameters (Unit)	Measured	Action Level	Limit Level	Follow-up action
X_10C262	28-May-11	Mid-ebb	C3	DO (mg/L)	5.50	3.02	2.44	Possible reason: Accumulation of wastewater and debris from the discharge pipe inside the silt screen Action taken / to be taken: Immediate repeated measurements had conducted to confirm the exceedances. Notification of exceedances were immediate informed to Contractor of HK/2009/01, RE and IEC when the exceedances were recorded. Additional turbidity measurement was immediately taken outside the silt screen. The turbidity levels outside the silt screen was 8.78NTU. Investigation found that the turbidity levels outside the silt screen on 28 May 2011 was well below the Action Level while turbidity exceedances were recorded inside the silt screen. Diversion design of the discharge pipe is liaised between Contractor and Stakeholder to minimize the impact from the discharge pipe. The completion of diversion of discharge pipe is anticipated to be completed in early of June 2011.
				Turbidity	13.35	11.35	12.71	
				Suspended Solid	17.00	18.42	27.54	Remarks / Other Obs: The turbidity exceedances were confirmed related to accumulation of wastewater and debris from the discharge pipe inside the silt screen, therefore it was concluded non-project related exceedances.
X_10C263	30-May-11	Mid-ebb	C3	DO (mg/L)	5.82	3.02	2.44	Possible reason: Accumulation of wastewater and debris from the discharge pipe inside the silt screen Action taken / to be taken: Immediate repeated measurements had conducted to confirm the exceedances. Notification of exceedances were immediate informed to Contractor of HK/2009/01, RE and IEC when the exceedances were recorded. Fine particles was observed inside the silt screen during water quality monitoring. Additional turbidity measurement was immediately taken outside the silt screen. The turbidity levels outside the silt screen was 11.48NTU which was slightly higher than the Action Level. According to the observation and recorded photos, the deployed silt curtains at HKCEC water channel were in proper condition. The daily inspection of silt screen and removal of floating debris were provided by Contractor on that day. Geotextiles were in good condition during their inspection. A bund between the eastern and western of the HKCEC water channel is formatting as an enhance mitigation measure to minimize the potential water quality impact from the tidal effect. It is anticipated to be completed in early of June 2011. No further exceedance was recorded in the consecutive water monitoring at the same day. The water quality at C3 will be kept in view to avoid any deterioration of water quality in water channel.
				Turbidity	19.35	11.35	12.71	
				Suspended Solid	31.00	18.42	27.54	Remarks / Other Obs: The completion of diversion of discharge pipe inside the C3 silt screen is anticipated to be completed in early of June 2011. The exceedances were considered in related to accumulation of wastewater and debris from the discharge pipe inside the silt screen and not project related exceedances.

Ref no.	Date	Tidal	Location	Parameters (Unit)	Measured	Action Level	Limit Level	Follow-up action
X_10C264	30-May-11	Mid-ebb	C4e	DO (mg/L)	5.80	3.02	2.44	Possible reason: Natural variation or changes in ambient conditions Action taken / to be taken: Immediate repeated measurements had conducted to confirm the exceedances. Notification of exceedances were immediate informed to Contractor of HK/2009/01, RE and IEC when the exceedances were recorded. According to the observation and recorded photos, the deployed silt curtains in HKCEC water channel were in proper condition. The daily inspection of silt screen and removal of floating debris were provided by Contractor on that day. Geotextiles were in good condition during their inspection. In a general reminder to the Contractor, they shall ensure that no silty material shall be flowed into the water body from the idling mud barges and conveyor belt located next to the intakes C4e and C4w. .
					9.42	11.35	12.71	
					22.00	18.42	27.54	Remarks / Other Obs: In view that no consecutive exceedance was recorded in the next monitoring at the same day and silt screen and silt curtain were in proper condition, the exceedance was considered not related to the filling works.
X_10C265	1-Jun-11 13:20	Mid-ebb	C3	DO (mg/L)	5.42	3.02	2.44	Possible reason: Accumulation of wastewater and debris from the screen washing by the intake owner and discharge pipe inside the silt screen Action taken / to be taken: Immediate repeated measurements had conducted to confirm the exceedances. Notification of exceedances were immediate informed to Contractor of HK/2009/01, RE and IEC when the exceedances were recorded. Additional turbidity measurement was immediately taken outside the silt screen. The turbidity levels outside the silt screen was 9.87NTU which was well below the Action Level. According to the observation during the monitoring and information reported by Contractor on 17 Jun 2011, the deployed silt curtains at HKCEC water channel were in proper condition. The daily inspection of silt screen and removal of floating debris were provided by Contractor on that day. Geotextiles were in good condition during their inspection. Besides, Contractor recorded that the cleaning works of the screen by intake owner was in progress at around 11:00. A bund between the eastern and western of the HKCEC water channel is forming as an enhance mitigation measure to minimize the potential water quality impact from the tidal effect. Major portion of bund was formed and anticipated to be completed in early of June 2011. No further exceedance was recorded in the consecutive water monitoring at the same day. The water quality at C3 will be kept in view to avoid any deterioration of water quality in water channel.
				Turbidity (NTU)	13.38	11.35	12.71	
				SS (mg/L)	22.50	18.42	27.54	Remarks / Other Obs: The completion of diversion of discharge pipe inside the C3 silt screen was completed on 5 June 2011. The exceedances were considered in related to accumulation of wastewater and debris from the screen washing by intake owner and discharge pipe inside the silt screen. Thus, it was considered not project related exceedances.

Ref no.	Date	Tidal	Location	Parameters (Unit)	Measured	Action Level	Limit Level	Follow-up action
X_10C266	7-Jun-11 22:01	Mid-flood	C3	DO (mg/L)	3.61	3.02	2.44	Possible reason: Trapping unknown debris inside the silt screen Action taken / to be taken: Notification of exceedances were immediate informed to Contractor of HK/2009/01, RE and IEC when the exceedances were recorded. The daily inspection of silt screen and removal of floating debris were provided by Contractor on that day. According to the observation during the monitoring, the deployed silt curtains along HKCEC water channel were in proper condition and no muddy water dispersion was observed. Remarks / Other Obs: The exceedances were considered in relation to the accumulation of unknown debris inside the silt screen. Thus, it was considered not project related exceedances.
				Turbidity (NTU)	10.90	11.35	12.71	
				SS (mg/L)	23.00	18.42	27.54	
X_10C267	7-Jun-11	Mid-ebb	C8	DO (mg/L)	4.87	3.02	2.44	Possible reason: Accumulation of particles discharged from outfalls near monitoring station Action taken / to be taken: Checked with the contractor marine work activities. No sediment dredging was conducted. Formwork construction for concreting of buoyancy pockets and removal the anchor point on the roof of the installed caisson seawall (C12 to C14) were conducted in the areas in front of Harbour Height to Harbour Grand Hong Kong. No works were undertaken after 18:00 on that day. Remarks / Other Obs: SS value was within the tolerance of baseline range at C8. No consecutive exceedance was recorded in the next monitoring. In view that the no marine works were undertaken after 18:00, the exceedances were considered not related to the Project works.
				Turbidity (NTU)	8.89	11.35	12.71	
				SS (mg/L)	23.50	18.42	27.54	

Ref no.	Date	Tidal	Location	Parameters (Unit)	Measured	Action Level	Limit Level	Follow-up action
X_10C268	15-Jun-11 19:00	Mid-flood	C3	DO (mg/L)	5.06	3.02	2.44	Possible reason: Trapping unknown debris inside the silt screen Action taken / to be taken: Immediate repeated measurements had conducted to confirm the exceedances. Notification of exceedances were immediate informed to Contractor of HK/2009/01, RE and IEC when the exceedances were recorded. Additional turbidity measurement was immediately taken outside the silt screen. The turbidity levels outside the silt screen was 6.16NTU which was well below the Action Level. According to the observation during the monitoring and information reported by Contractor on 17 and 23 Jun 2011, the deployed silt curtains along HKCEC water channel were in proper condition. The silt curtain diver inspection was provided by Contractor on that day afternoon. Geotextiles were checked in good condition during their inspection. Floating debris was immediately removed after inspection. Grade 100 rock materials was used to backfill around the doom and a frame type silt curtain were deployed so as to minimize the silt water being generated. No further exceedance was recorded in the consecutive water monitoring at the same day. The water quality at C3 will be kept in view to avoid any deterioration of water quality in water channel.
				Turbidity (NTU)	25.73	11.35	12.71	
				SS (mg/L)	47.50	18.42	27.54	Remarks / Other Obs: The exceedances were considered in relation to the accumulation of unknown debris inside the silt screen. Thus, it was considered not project related exceedances. Contractor was advised to consider increasing the removal of debris when necessary.
X_10C269	15-Jun-11	Mid-flood	C2	DO (mg/L)	5.57	3.02	2.44	Possible reason: Trapping unknown debris inside the silt screen Action taken / to be taken: Immediate repeated measurements had conducted to confirm the exceedances. Notification of exceedances were immediate informed to Contractor of HK/2009/01, RE and IEC when the exceedances were recorded. The daily inspection of silt screen and removal of floating debris were provided by Contractor on that day. The maintenance works of the silt curtain at West Bridge of HKCEC water channel was conducted on that day morning. Additional sinkers were installed to enhance the silt curtain effectiveness. According to the observation during the monitoring, the deployed silt curtains along HKCEC water channel were in proper condition and no muddy water dispersion was observed.
				Turbidity (NTU)	14.30	11.35	12.71	
				SS (mg/L)	19.00	18.42	27.54	Remarks / Other Obs: The exceedances were considered in relation to the accumulation of unknown debris inside the silt screen. Thus, it was considered not project related exceedances. Contractor was advised to consider increasing the removal of debris when necessary.
X_10C270	28-May-11	Mid-ebb	EX-WPCWA SE	DO (mg/L)	3.26	3.55	3.00	Possible reason: Floating grease and debris from the outfall Action taken / to be taken: Repeated the measurement to confirm the result. No odour nuisance was noted during the DO monitoring. Checked with Contractor works, there was no marine works undertaken at ex-WPCWA on 28 May 2011. Remarks / Other Obs: In view that there was no marine works at ex-WPCWA, it was considered not related to Project works.