Contract No. HY/2011/03 -
Hong Kong- Zhuhai- Macao Bridge
Hong Kong Link Road Section between Scenic Hill and Hong Kong Boundary Crossing Facilities

Notifications of Environmental Quality Limits Exceedances Notification No.: 229 ver 0

Date of Notification: 19 September 2016

Works Inspected: Data collected from water sampling works on 19 September 2016 and the results were issued on 26 September 2016

Monitoring Location: Water Quality Monitoring Station

Parameter: ~~Dissolved Oxygen (DO)/~~ Suspended Solid (SS)/ ~~Turbidity (TURB)~~

Action & Limit Level (AL & LL) / Measured Level:

PARAM	STATION	DEPTH	AL (mg/L)	LL (mg/L)	MEASURED AT MID-EBB TIDE (mg/L)	MEASURED AT MID-FLOOD TIDE (mg/L)
SS	IS10	DA	**23.5** and 120% of upstream control station's suspended solids at the same tide of the same day (i.e. CS2: 5.98 x 120% = **7.2** for mid ebb AND CS(Mf)5: 9.55x 120% = **11.5** for mid flood)	**34.4** and 130% of upstream control station's suspended solids at the same tide of the same day (i.e. CS2: 5.98 x 130% = **7.8** for mid ebb AND CS(Mf)5: 9.55 x 130% = **12.4** for mid flood)	6.0	***25.2***

Notes:
DA means depth average.
Bold Italic means AL exceedances.
Bold Italic with underline means LL exceedances.

Possible reason for Action and Limit Level Non-compliance:

On 19 September 2016, an Action Level exceedance of suspended solid was recorded at station IS10 during mid-flood tide. The exceedance has been investigated and are considered unlikely to be related to contract works due to the following reasons:

1. Removal of surcharge, box culvert construction works at Zones 1 and 2, seawall construction works at Zones 2 and 3A, grouting for soldier pile at Zone 2 and transportation of fill material on the ground at Zone 3A were carried out within silt curtain as recommended in the EIA Report. According to the Contractor, the wastewater effluent generated from the contract works was treated before discharging into water bodies (e.g. storm water drains, coast and sea etc.) on 19 September 2016 in accordance with the discharge license.
2. The range of suspended solid at station IS10 during the baseline monitoring is shown as below:

Station	Range of Suspended Solid (mg/L) Mid-Ebb Tide			Range of Suspended Solid (mg/L) Mid-Flood Tide		
IS10	6.1	to	20.2	7.2	to	16

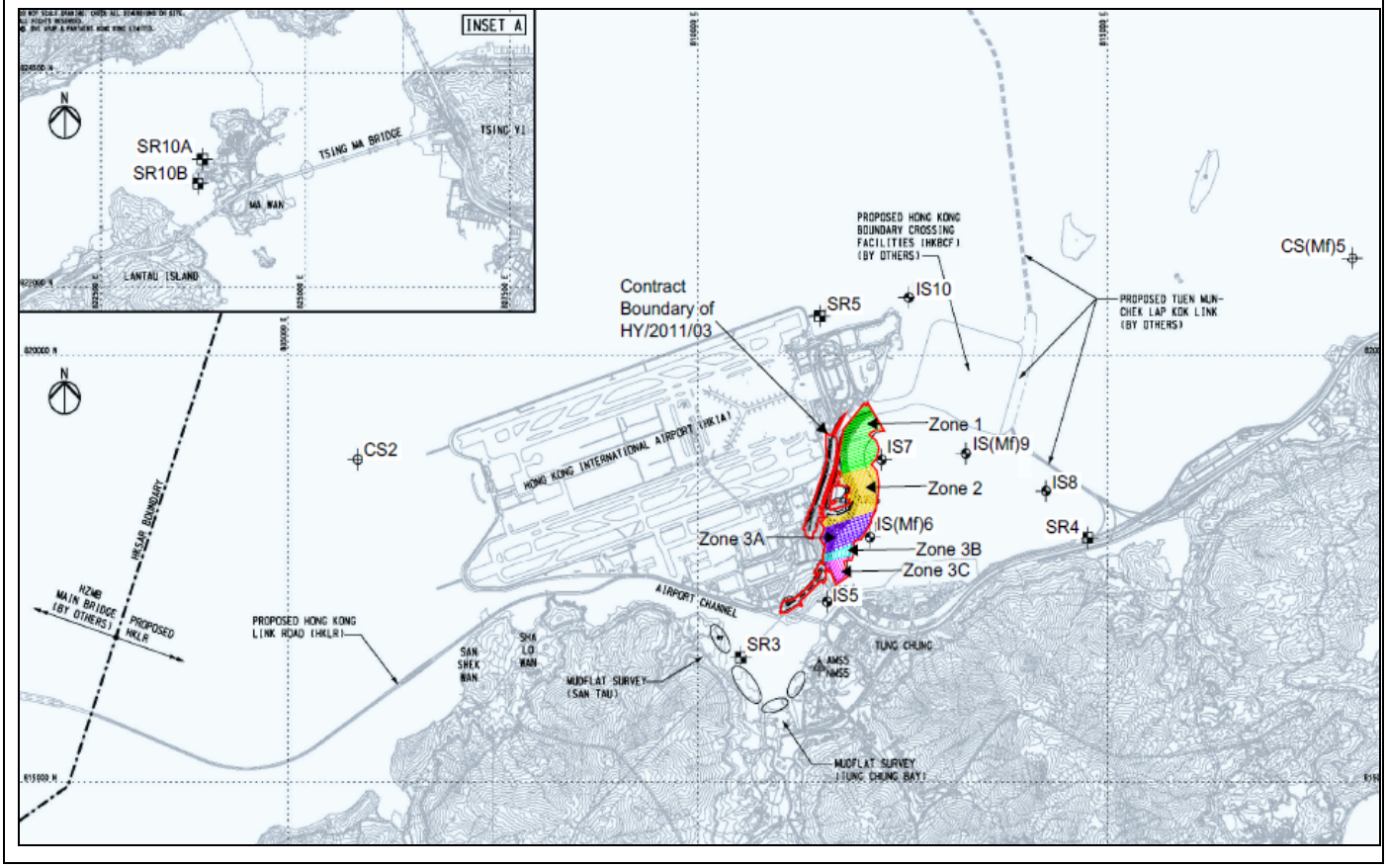
   The measured values at station IS10 were above the range of suspended solid for mid-flood tide during baseline monitoring.
3. However, there were no specific activities recorded during the monitoring period that would cause any significant impacts on the monitoring results. No marine works was conducted near monitoring station IS10 which are located outside the site boundary of HKLR03 Contract. Also, there was no marine transportation of fill materials/sediment on 19 September 2016 and no muddy plume observed at station IS10 during sampling exercise.
4. No leakage of turbid water or any abnormity or malpractice for all contract works was observed during the sampling exercise.

As such, the exceedance of suspended solid levels is considered to be attributed to other external factors such as sea condition, rather than the contract works.

Actions taken/ to be taken:

As the suspended solid levels recorded beyond the water quality criteria were not related to the contract works, no immediate actions are considered necessary. However, the Contractor is reminded to ensure that the silt curtain is fully maintained throughout the construction works and construction works are carried out under stringent supervision to prevent any water quality impacts to the seawater.

Location Plan:



Reviewed by : Claudine Lee Title : ET Leader

Date : 7 October 2016

Copied to : Supervising Officer, IEC, EPD, Contractor, ENPO

Summary of Notifications of Summons and Prosecutions

Total No. of Notifications of Summons / Prosecutions Received	No. of Notifications of Summons / Prosecutions Received during Reporting Period	Status of Notifications of Summons / Prosecutions
0	0	N/A