

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.: 197

Date of Notification: 2 December 2014

Works Inspected: Data collected from water sampling works on 5 November 2014 and the test report was issued on 12 November 2014.

Monitoring Location: Water Quality Monitoring Stations

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 solid at the same tide of the same day (i.e. CS2: 9.42 x 120% = 11.3 mg/L for mid ebb) AND CS(Mf)5: 7.55 x 120% = 9.1 mg/L for mid flood)	34.4 and 130% of upstream control station's suspended solid at the same tide of the same day (i.e. CS2: 9.42 x 130% = 12.2 mg/L for mid ebb) AND CS(Mf)5: 7.55 x 130% = 9.8 mg/L for mid flood)	6.1	<u>36.5</u>
SS	SR4	DA	23.5 and 120% of upstream control station's suspended solid at the same tide of the same day (i.e. CS2: 9.42 x 120% = 11.3 mg/L for mid ebb) AND CS(Mf)5: 7.55 x 120% = 9.1 mg/L for mid flood)	34.4 and 130% of upstream control station's suspended solid at the same tide of the same day (i.e. CS2: 9.42 x 130% = 12.2 mg/L for mid ebb) AND CS(Mf)5: 7.55 x 130% = 9.8 mg/L for mid flood)	6.1	24.9

Notes:

DA means depth average.

Bold Italic means AL exceedances.

Bold Italic with underline means LL exceedances.

Possible reason for Action or Limit Level Non-compliance:

On 5 November 2014, a LL exceedance of suspended solid at station IS10 was recorded during mid-flood tide and an AL exceedance of suspended solid at station SR4 was recorded during mid-flood tide. The exceedances have been investigated and are considered unlikely to be related to contract works due to the following reasons:

1. Seawall construction works at Zones 1 and 2 were carried out within silt curtain as recommended in the EIA Report.
2. The ranges of suspended solid at stations IS10 and SR4 during the baseline monitoring are 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 16.0
SR4	5.3	to 20.0	5.6	to 24.5

The measured value at stations IS10 and SR4 were above the range of suspended solid during baseline monitoring for mid-flood tide. However, there were no specific activities recorded during the monitoring period that would cause any significant impacts on the monitoring results.

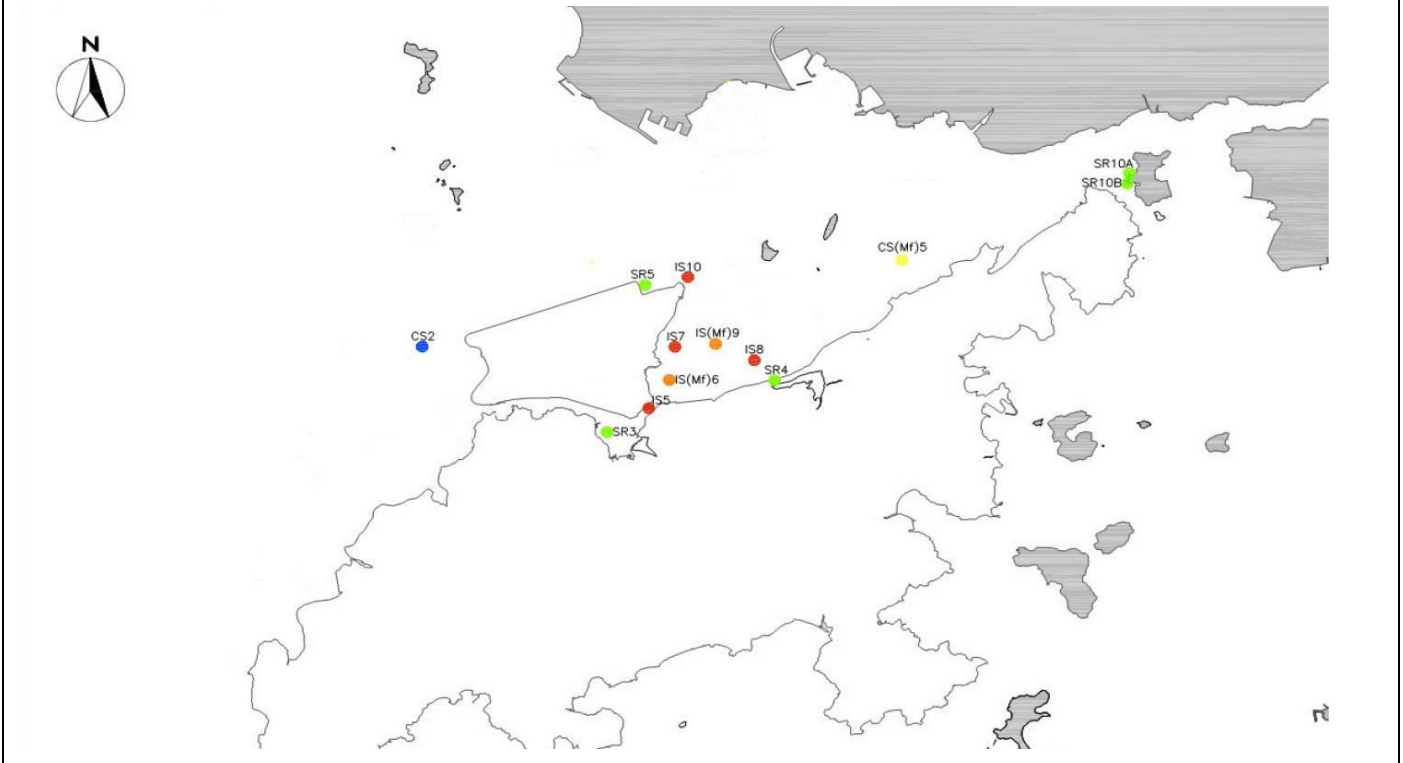
3. No leakage of turbid water or any abnormality or malpractice was observed during the sampling exercise.

As such, the suspended solid levels recorded at these stations are considered to be attributed to other external factors 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 contract works, no immediate actions are considered necessary.

Location Plan:



Reviewed by : Claudine Lee Title : ET Leader


Date : 2 December 2014

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