

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.: 199

Date of Notification: 19 December 2014

Works Inspected: Data collected from water sampling works on 5 December 2014 and the test report was issued on 12 December 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	IS(Mf)9	DA	23.5 and 120% of upstream control station's suspended solid at the same tide of the same day (i.e. CS2: 7.88 x 120% = 9.5 mg/L for mid ebb) AND CS(Mf)5: 7.73 x 120% = 9.3 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: 7.88 x 130% = 10.2 mg/L for mid ebb) AND CS(Mf)5: 7.73 x 130% = 10.1 mg/L for mid flood)	<u>45.5</u>	9.5

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 December 2014, a LL exceedance of suspended solid at station IS(Mf)9 was recorded during the mid-ebb tide. The exceedance 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 IS(Mf)9 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
IS(Mf)9	5.5 to 20.1	7.3 to 26.0

The measured value at station IS(Mf)9 was above the range of suspended solid during baseline monitoring for the mid-ebb tide. However, there were no specific activities recorded during the monitoring period that would cause any significant impacts on the monitoring results.

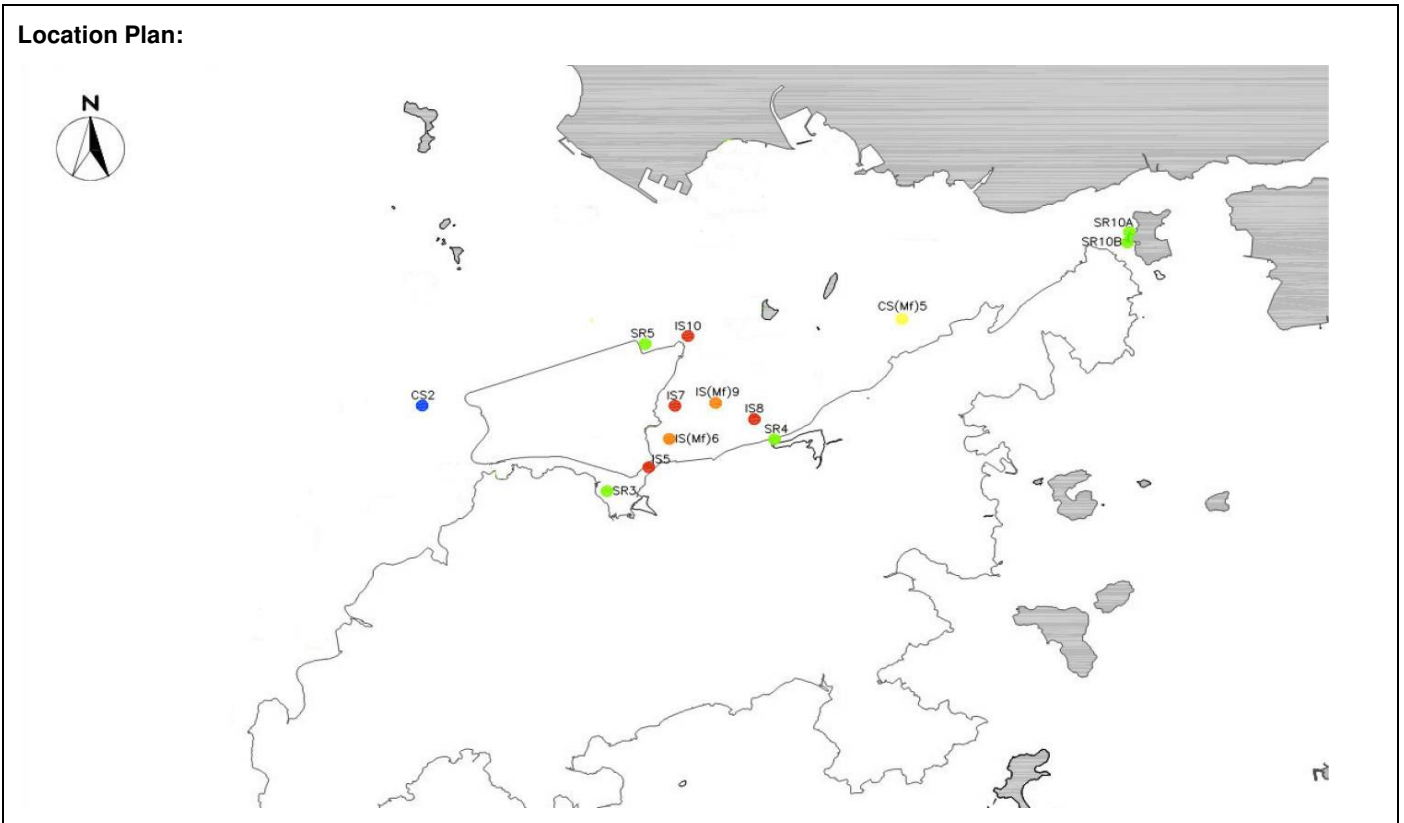
3. No leakage of turbid water or any abnormality or malpractice was observed during the sampling exercise.

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 : 19 December 2014

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

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.: 200
Date of Notification: 12 January 2015					
Works Inspected: 24-hr TSP monitoring was undertaken on 16 December 2014 and the test report was issued on 23 December 2014.					
Monitoring Location: AMS6 – Dragonair Building (AMS6)					
Parameter: 24-hour TSP monitoring					
Action & Limit Level (AL & LL) / Measured Level:					
<u>PARAMETER</u>	<u>STATION</u>	<u>AL ($\mu\text{g}/\text{m}^3$)</u>	<u>LL ($\mu\text{g}/\text{m}^3$)</u>	<u>MEASURED LEVEL, $\mu\text{g}/\text{m}^3$</u>	
24-hr TSP (8:00 – 8:00 hours)	Dragonair Building (AMS6)	173	260	<i>218</i>	
Notes: <i>Bold Italic</i> means AL exceedance <i><u>Bold Italic with underline</u></i> means LL exceedance					
Possible reason for Action or Limit Level Non-compliance: An Action Level exceedance of 24-hr TSP level was recorded at AMS6, Dragonair Building, on 16 December 2014. According to the information provided by the Contractor, the following construction activities were undertaken during the sampling period: <u>Zone 1</u> - Seawall construction. <u>Zone 2</u> - Seawall construction; and - Transfer of fill material. <u>Zone 3A</u> - Transfer of fill material. The Air Quality Health Index recorded by EPD at the Tung Chung station during the sampling period ranged from 4 (moderate) to 6 (moderate). According to information provided by the Contractor, fill materials were sprayed with water to maintain the entire surface wet before loading and unloading and haul roads/dusty surfaces were also sprayed with water. In addition, the measured 24-hour TSP level at AMS6 was $133 \mu\text{g}/\text{m}^3$ on 22 December 2014 which was below the action and limit levels. Therefore, the exceedance might be caused by the other factors and is unlikely to be related to construction activities of the Contract.					
Actions taken/ to be taken: As the 24-hr TSP exceedance was not related to project works, no immediate actions are considered necessary. However, the Contractor is reminded to implement dust control measures throughout the construction phase.					

Reviewed by : Claudine Lee Title : ET Leader

 Date : 12 January 2015

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



Chek Lap Kok Ferry Pier
赤鱗角碼頭

Hong Kong International Airport
香港國際機場

AMS6

Zone 1
區域 1

Zone 2
區域 2

Zone 3A
區域 3A

Zone 3B
區域 3B

Zone 3C
區域 3C

Scenic Hill
觀景山

Tung Chung Pier
東涌碼頭

Tung Chung New Town
東涌新市鎮



環境保護署

噪音管制監督

Environmental Protection Department Noise Control Authority

圖例 Legend



Zone 1

區域 1



Zone 2

區域 2



Zone 3A

區域 3A



Zone 3B

區域 3B



Zone 3C

區域 3C

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