

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.: 208				
Date of Notification: 27 th March 2015				
Works Inspected: 1-hr TSP monitoring was undertaken on 06 March 2015				
Monitoring Location: AMS5 – Ma Wan Chung Village				
Parameter: 1-hour TSP monitoring				
Action & Limit Level (AL & LL) / Measured Level:				
<u>PARAMETER</u>	<u>STATION</u>	<u>AL (µg/m³)</u>	<u>LL (µg/m³)</u>	<u>MEASURED LEVEL, µg/m³</u>
1-hr TSP (13:21-14:21)	Ma Wan Chung Village	368	500	273.8
1-hr TSP (14:21-15:21)	Ma Wan Chung Village	368	500	<i>456.4</i>
1-hr TSP (15:21-16:21)	Ma Wan Chung Village	368	500	<i><u>507.6</u></i>
Notes: <i>Bold Italic</i> means AL exceedance <i>Bold Italic with underline</i> means LL exceedance Possible reason for Action or Limit Level Non-compliance: One Action Level exceedance and one Limit level exceedance of 1-hr TSP level were recorded at AMS5 – Ma Wan Chung Village on 06 March 2015. According to the information provided by the Contractor, the following construction activities were undertaken near AMS5 during the sampling period: <u>Zone 2</u> - Seawall construction <u>Zone 3A</u> - Seawall construction The construction activities undertaken during the sampling period did not generate significant dust impact and these activities were undertaken far away from AMS5. The general weather conditions at Tung Chung were haze during the dust sampling period. The haze weather would cause higher readings of the portable dust meter. The wind direction during the dust monitoring was east, so the particulate matters which generated from the Contract were unlikely to reach the dust monitoring station (AMS5). Therefore, it is considered that the exceedances are not related to the construction activities of the Contract and were caused by the weather condition.				
Actions taken/ to be taken:				
No immediately actions are required.				

Reviewed by : Claudine Lee

Title : ET Leader



Date : 27th March 2015

Copied to : Supervising Officer and Contractor



Chek Lap Kok Ferry Pier
赤鱗角碼頭

Hong Kong International Airport
香港國際機場

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

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.: 209

Date of Notification: 27th March 2015

Works Inspected: Data collected from water sampling works on 04 March 2015 and the test report was issued on 11 March 2015.

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	IS8	DA	23.5 and 120% of upstream control station's suspended solid at the same tide of the same day (i.e. CS2: 4.68 x 120% = 5.6 mg/L for mid ebb) AND CS(Mf)5: 3.22 x 120% = 3.9 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: 4.68 x 130% = 6.1 mg/L for mid ebb) AND CS(Mf)5: 3.22 x 130% = 4.2 mg/L for mid flood)	5.2	27.4

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 04 March 2015, an AL exceedance of suspended solid at station IS8 was recorded during the mid-flood tide. The exceedance has been investigated and is considered unlikely to be related to contract works due to the following reasons:

1. Seawall construction works at Zones 2 and 3A were carried out within silt curtain as recommended in the EIA Report.
2. The ranges of suspended solid at station IS8 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
IS8	5.5 to 25.5	5.8 to 31.3

The measured value at the station IS8 was within the range of suspended solid during baseline monitoring for the mid-flood tide. In addition, there were no specific activities recorded during the monitoring period that would cause any significant impacts on the monitoring results.

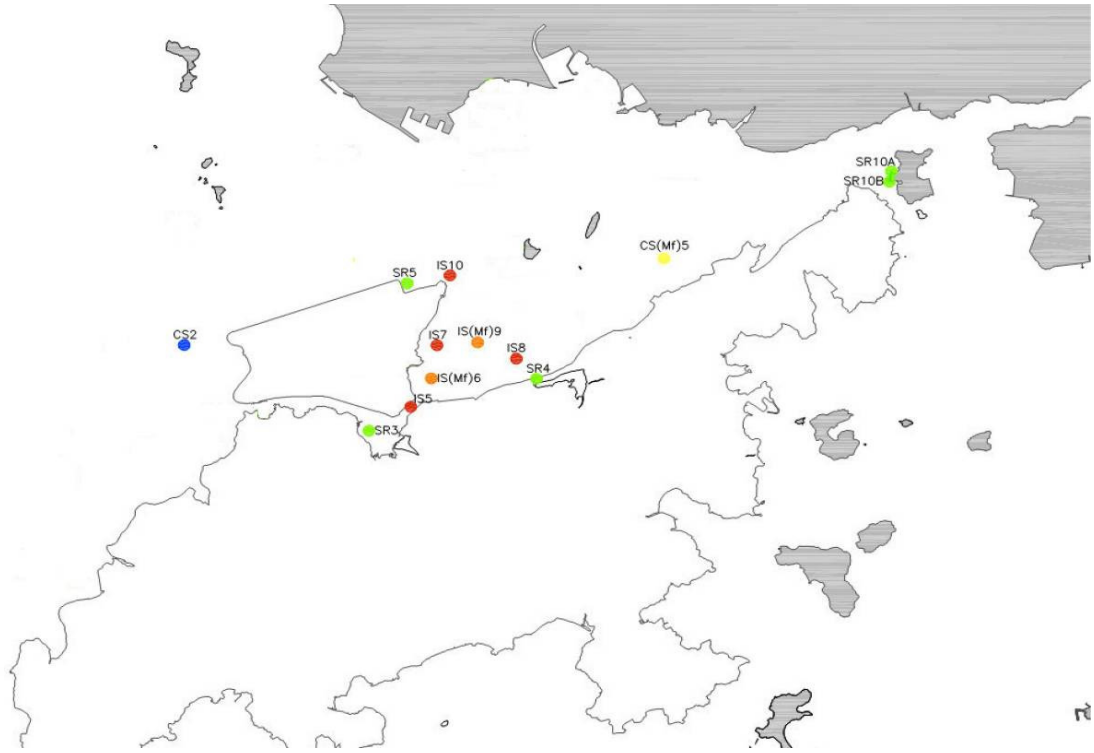
3. No leakage of turbid water or any abnormality or malpractice was observed during the sampling exercise.

As such, the suspended solid levels recorded at this station 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 : 27th March 2015

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.: 210

Date of Notification: 27th March 2015

Works Inspected: Data collected from water sampling works on 09 March 2015 and the test report was issued on 16 March 2015.

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	SR4	DA	23.5 and 120% of upstream control station's suspended solid at the same tide of the same day (i.e. CS2: 4.32 x 120% = 5.2 mg/L for mid ebb) AND CS(Mf)5: 3.68 x 120% = 4.4 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: 4.32 x 130% = 5.6 mg/L for mid ebb) AND CS(Mf)5: 3.68 x 130% = 4.8 mg/L for mid flood)	6.1	27.2

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 09 March 2015, an AL exceedance of suspended solid at station SR4 was recorded during the mid-flood tide. The exceedance has been investigated and is considered unlikely to be related to contract works due to the following reasons:

1. Seawall construction works at Zones 1, 2 and 3A were carried out within silt curtain as recommended in the EIA Report.
2. The ranges of suspended solid at station 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
SR4	5.3 to 20	5.6 to 24.5

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

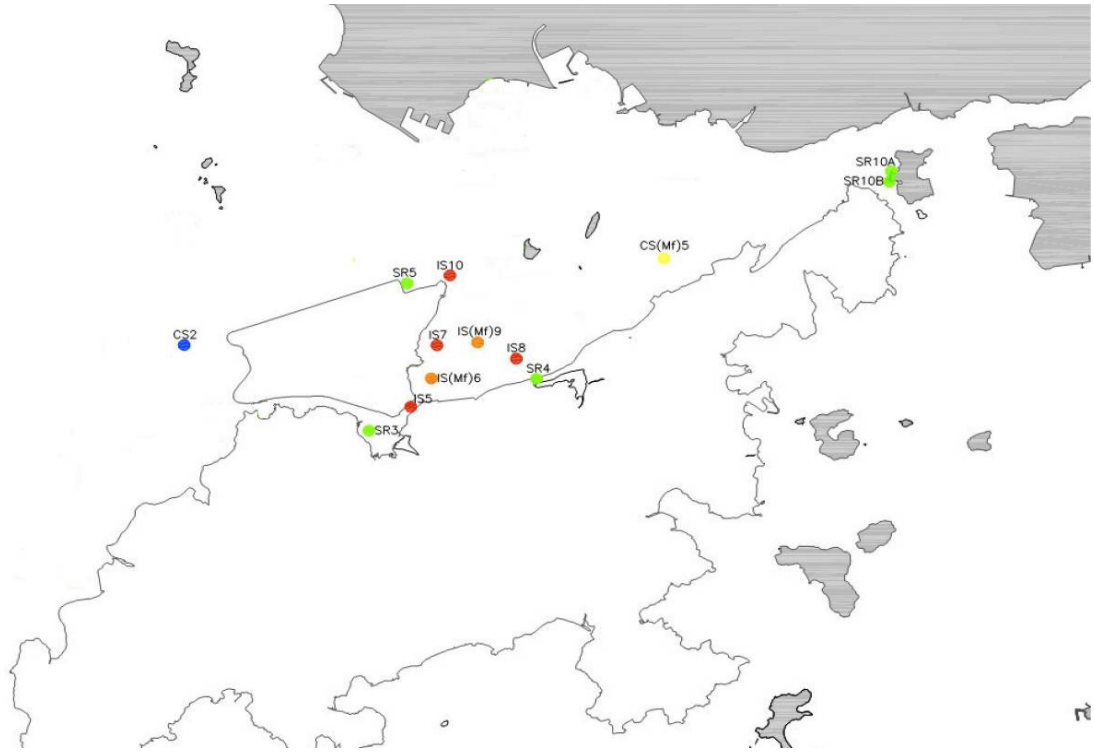
3. No leakage of turbid water or any abnormality or malpractice was observed during the sampling exercise.

As such, the suspended solid levels recorded at this station 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 : 27th March 2015

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.: 211

Date of Notification: 9 April 2015

Works Inspected: Data collected from water sampling works on 23 March 2015 and the test report was issued on 30 March 2015.

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: 7.62 x 120% = 9.1 mg/L for mid ebb) AND CS(Mf)5: 6.73 x 120% = 8.1 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: 7.62 x 130% = 9.9 mg/L for mid ebb) AND CS(Mf)5: 6.73 x 130% = 8.8 mg/L for mid flood)	6.2	24.7
SS	SR5	DA			6.4	25.0

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 23 March 2015, AL exceedances of suspended solid at stations IS10 and SR5 were recorded during the 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, 2 and 3A were carried out within silt curtain as recommended in the EIA Report.
2. The ranges of suspended solid at stations IS10 and SR5 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
SR5	6.7 to 16.5	6.5 to 31.2

The measured value at station SR5 was below the range of suspended solid during baseline monitoring for the mid-flood tide. The measured value at station IS10 was above the range of suspended solid during baseline monitoring for the mid-flood tide. However, there were no specific activities recorded during the monitoring period that would cause any significant impacts on the monitoring results.

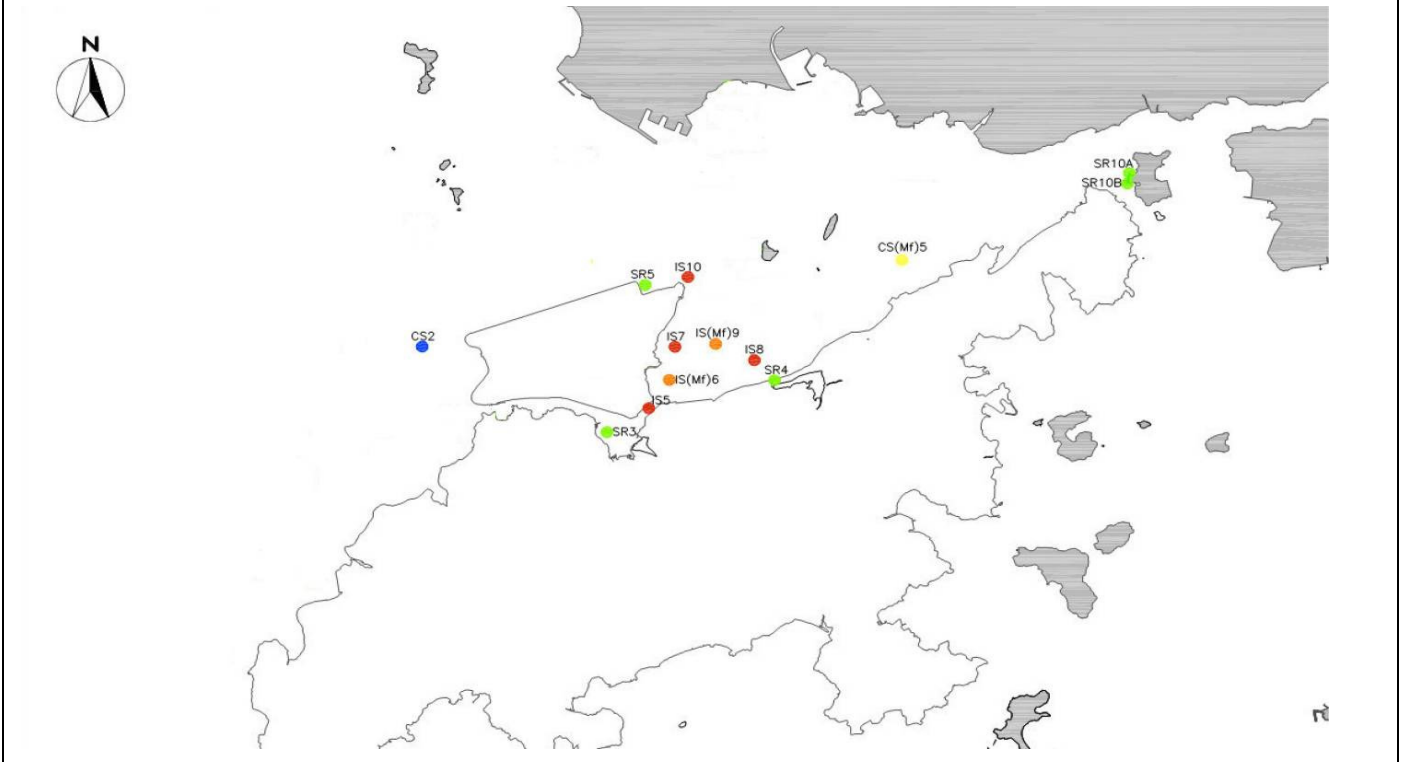
3. No leakage of turbid water or any abnormality or malpractice was observed during the sampling exercise.

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 : 9 April 2015

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