

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.: 201

Date of Notification: 2 February 2015

Works Inspected: Data collected from water sampling works on 12 January 2015 and the test report was issued on 19 January 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	IS(Mf)9	DA	<b>23.5</b> and 120% of upstream control station's suspended solid at the same tide of the same day (i.e. CS2: 5.73 x 120% = <b>6.9</b> mg/L for mid ebb) AND CS(Mf)5: 3.53 x 120% = <b>4.2</b> mg/L for mid flood)	<b>34.4</b> and 130% of upstream control station's suspended solid at the same tide of the same day (i.e. CS2: 5.73 x 130% = <b>7.5</b> mg/L for mid ebb) AND CS(Mf)5: 3.53 x 130% = <b>4.6</b> mg/L for mid flood)	4.7	<b>24.4</b>

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 12 January 2015, an AL exceedance of suspended solid at station IS(Mf)9 was recorded during the mid-flood 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 below the range of suspended solid during baseline monitoring for the mid-flood tide. There was no specific activities recorded during the monitoring period that would cause any significant impacts on the monitoring results.

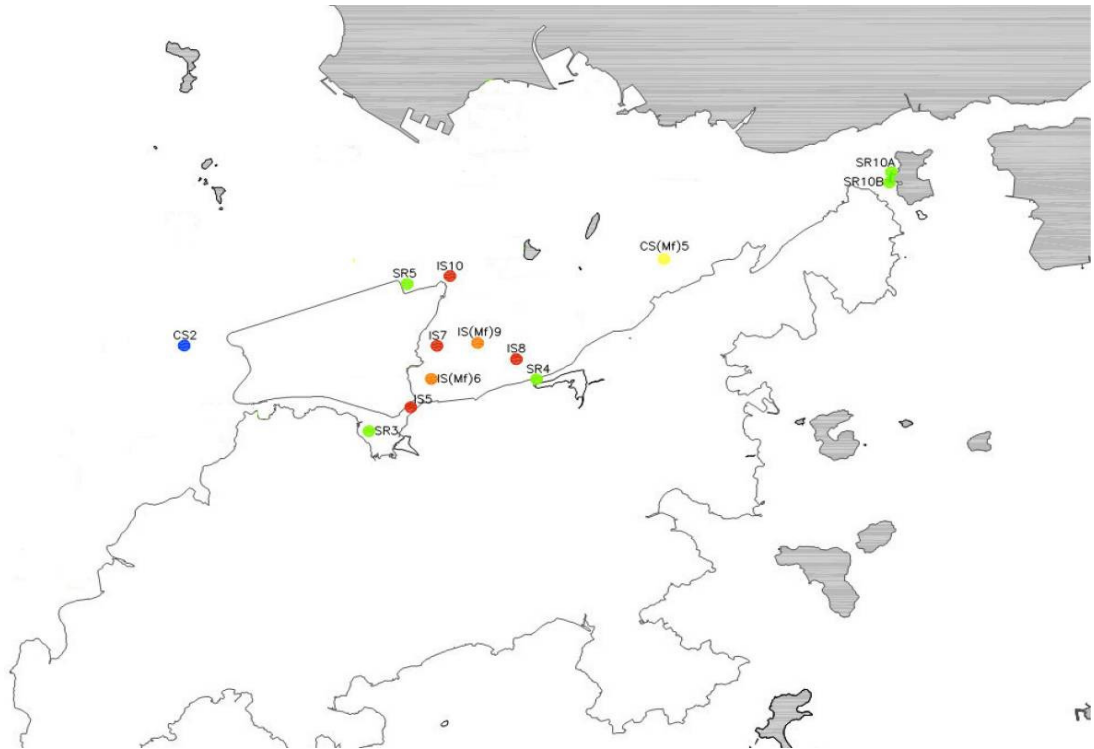
3. No leakage of turbid water or any abnormality or malpractice was observed during the sampling exercise.

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

  
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Date : 2 February 2015

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

<b>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</b>					Notification No.: 202
<b>Date of Notification:</b> 10 February 2015					
<b>Works Inspected:</b> 24-hr TSP monitoring was undertaken on 21 January 2015 and the test report was issued on 29 January 2015.					
<b>Monitoring Location:</b> AMS5 – Ma Wan Chung Village					
<b>Parameter:</b> 24-hour TSP monitoring					
<b>Action &amp; Limit Level (AL &amp; LL) / Measured Level:</b>					
<u>PARAMETER</u>	<u>STATION</u>	<u>AL (<math>\mu\text{g}/\text{m}^3</math>)</u>	<u>LL (<math>\mu\text{g}/\text{m}^3</math>)</u>	<u>MEASURED LEVEL, <math>\mu\text{g}/\text{m}^3</math></u>	
24-hr TSP (8:00 – 8:00 hours)	Ma Wan Chung Village (AMS5)	164	260	<b>189</b>	
Notes: <b><i>Bold Italic</i></b> means AL exceedance <b><i><u>Bold Italic with underline</u></i></b> means LL exceedance					
<b>Possible reason for Action or Limit Level Non-compliance:</b> An Action Level exceedance of 24-hr TSP level was recorded at AMS5, Ma Wan Chung Village, on 21 January 2015. According to the information provided by the Contractor, the following construction activities were undertaken during the sampling period: <u>Zone 1</u> - Seawall construction works <u>Zone 3A</u> - Seawall construction works The general weather condition at Tung Chun was foggy during the dust sampling period. The Air Quality Health Index recorded by EPD at the Tung Chung station during the sampling period ranged from 4 (moderate) to 10+ (serious). The measured 24-hour TSP level at AMS5 was $57 \mu\text{g}/\text{m}^3$ on 27 January 2015 which was below the action and limit levels. Therefore, it is considered that the exceedance on 21 January 2015 was not related to the construction activities of the Contract and was caused by poor weather condition.					
<b>Actions taken/ to be taken:</b> 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 : 10 February 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

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

AMS5

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

<b>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</b>					Notification No.: 203
<b>Date of Notification:</b> 10 February 2015					
<b>Works Inspected:</b> 24-hr TSP monitoring was undertaken on 21 January 2015 and the test report was issued on 29 January 2015.					
<b>Monitoring Location:</b> AMS6 – Dragon Air Building					
<b>Parameter:</b> 24-hour TSP monitoring					
<b>Action &amp; Limit Level (AL &amp; LL) / Measured Level:</b>					
<u>PARAMETER</u>	<u>STATION</u>	<u>AL (<math>\mu\text{g}/\text{m}^3</math>)</u>	<u>LL (<math>\mu\text{g}/\text{m}^3</math>)</u>	<u>MEASURED LEVEL, <math>\mu\text{g}/\text{m}^3</math></u>	
24-hr TSP (8:00 – 8:00 hours)	Dragon Air Building (AMS6)	173	260	<b>212</b>	
Notes: <b><i>Bold Italic</i></b> means AL exceedance <b><i><u>Bold Italic with underline</u></i></b> means LL exceedance					
<b>Possible reason for Action or Limit Level Non-compliance:</b> An Action Level exceedance of 24-hr TSP level was recorded at AMS6, Dragon Air Building, on 21 January 2015. According to the information provided by the Contractor, the following construction activities were undertaken during the sampling period: <u>Zone 1</u> - Seawall construction works <u>Zone 3A</u> - Seawall construction works					
The general weather condition at Tung Chun was foggy during the dust sampling period. The Air Quality Health Index recorded by EPD at the Tung Chung station during the sampling period ranged from 4 (moderate) to 10+ (serious). The measured 24-hour TSP level at AMS6 was $77 \mu\text{g}/\text{m}^3$ on 27 January 2015 which was below the action and limit levels. Therefore, it is considered that the exceedance on 21 January 2015 was not related to the construction activities of the Contract and was caused by poor weather condition.					
<b>Actions taken/ to be taken:</b> 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 : 10 February 2015

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



Chek Lap Kok Ferry Pier  
赤鱸角碼頭

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

**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.: 204

**Date of Notification:** 10 February 2015

**Works Inspected:** Data collected from water sampling works on 21 January 2015 and the test report was issued on 28 January 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	SR5	DA	<b>23.5</b> and 120% of upstream control station's suspended solid at the same tide of the same day (i.e. CS2: 12.88 x 120% = <b>15.5</b> mg/L for mid ebb) AND CS(Mf)5: 7.3 x 120% = <b>8.8</b> mg/L for mid flood)	<b>34.4</b> and 130% of upstream control station's suspended solid at the same tide of the same day (i.e. CS2: 12.88 x 130% = <b>16.7</b> mg/L for mid ebb) AND CS(Mf)5: 7.30 x 130% = <b>9.5</b> mg/L for mid flood)	9.6	<b>29.2</b>
SS	IS10	DA			9.2	<b>28.6</b>

**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 21 January 2015, AL exceedances of suspended solid at stations SR5 and IS10 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 and 3A were carried out within silt curtain as recommended in the EIA Report.
2. The ranges of suspended solid at stations SR5 and IS10 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	
SR5	6.7	to	16.5	6.5 to 31.2
IS10	6.1	to	20.2	7.2 to 16

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.

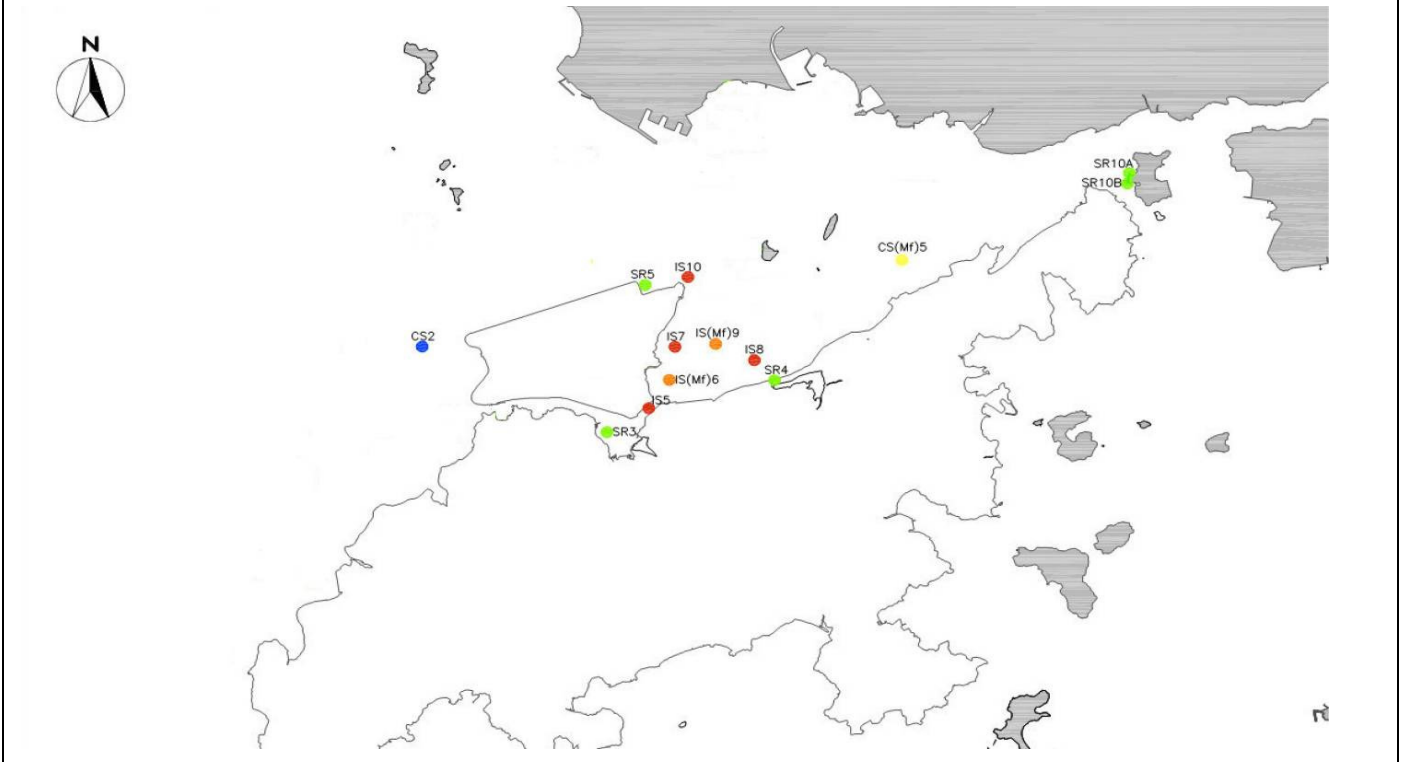
3. No leakage of turbid water or any abnormality or malpractice was observed during the sampling exercise.

As such, the suspended solid levels recorded at 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 : 10 February 2015

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**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.: 205

**Date of Notification:** 10 February 2015

**Works Inspected:** Data collected from water sampling works on 23 January 2015 and the test report was issued on 29 January 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	SR5	DA	<b>23.5</b> and 120% of upstream control station's suspended solid at the same tide of the same day (i.e. CS2: 8.77 x 120% = <b>10.5</b> mg/L for mid ebb) AND CS(Mf)5: 5.95 x 120% = <b>7.1</b> mg/L for mid flood)	<b>34.4</b> and 130% of upstream control station's suspended solid at the same tide of the same day (i.e. CS2: 8.77 x 130% = <b>11.4</b> mg/L for mid ebb) AND CS(Mf)5: 5.95 x 130% = <b>7.7</b> mg/L for mid flood)	10.5	<b>25.7</b>
SS	SR10A	DA			7.2	<b><u>35.1</u></b>

**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 January 2015, an AL exceedance of suspended solid at station SR5 and a LL exceedance of suspended solid at station SR10A 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 and 2 were carried out within silt curtain as recommended in the EIA Report.
2. The ranges of suspended solid at stations SR5 and SR10A 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
SR5	6.7 to 16.5	6.5 to 31.2
SR10A	3.6 to 17	4.8 to 19.2

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 SR10A was above the range of suspended solid during baseline monitoring for the mid-flood tide. However, there was no specific activities recorded during the monitoring period that would cause any significant impacts on the monitoring results.

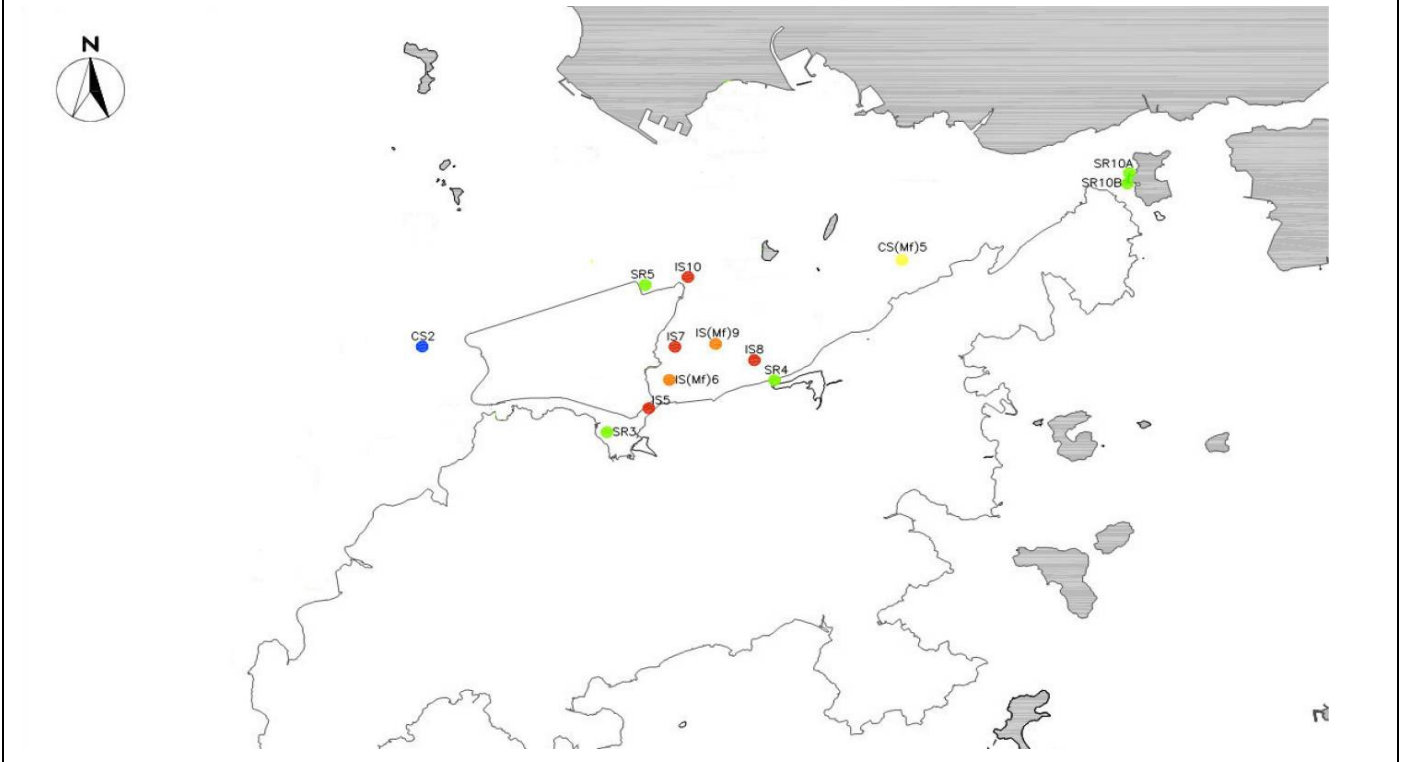
3. No leakage of turbid water or any abnormality or malpractice was observed during the sampling exercise.

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 : 10 February 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.: 206

Date of Notification: 10 February 2015

Works Inspected: Data collected from water sampling works on 26 January 2015 and the test report was issued on 2 February 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	IS5	DA	<b>23.5</b> and 120% of upstream control station's suspended solid at the same tide of the same day (i.e. CS2: 4.45 x 120% = <b>5.3</b> mg/L for mid ebb) AND CS(Mf)5: 3.22 x 120% = <b>3.9</b> mg/L for mid flood)	<b>34.4</b> and 130% of upstream control station's suspended solid at the same tide of the same day (i.e. CS2: 4.45 x 130% = <b>5.8</b> mg/L for mid ebb) AND CS(Mf)5: 3.22 x 130% = <b>4.2</b> mg/L for mid flood)	<b>25.8</b>	9.6

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 26 January 2015, an AL exceedance of suspended solid at station IS5 was recorded during the mid-ebb 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 and 2 were carried out within silt curtain as recommended in the EIA Report.
2. The ranges of suspended solid at station IS5 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
IS5	8.1 to 25.7	7 to 23.7

The measured value at station IS5 was slightly above the range of suspended solid during baseline monitoring for the mid-ebb tide. However, there was no specific activities recorded during the monitoring period that would cause any significant impacts on the monitoring results.

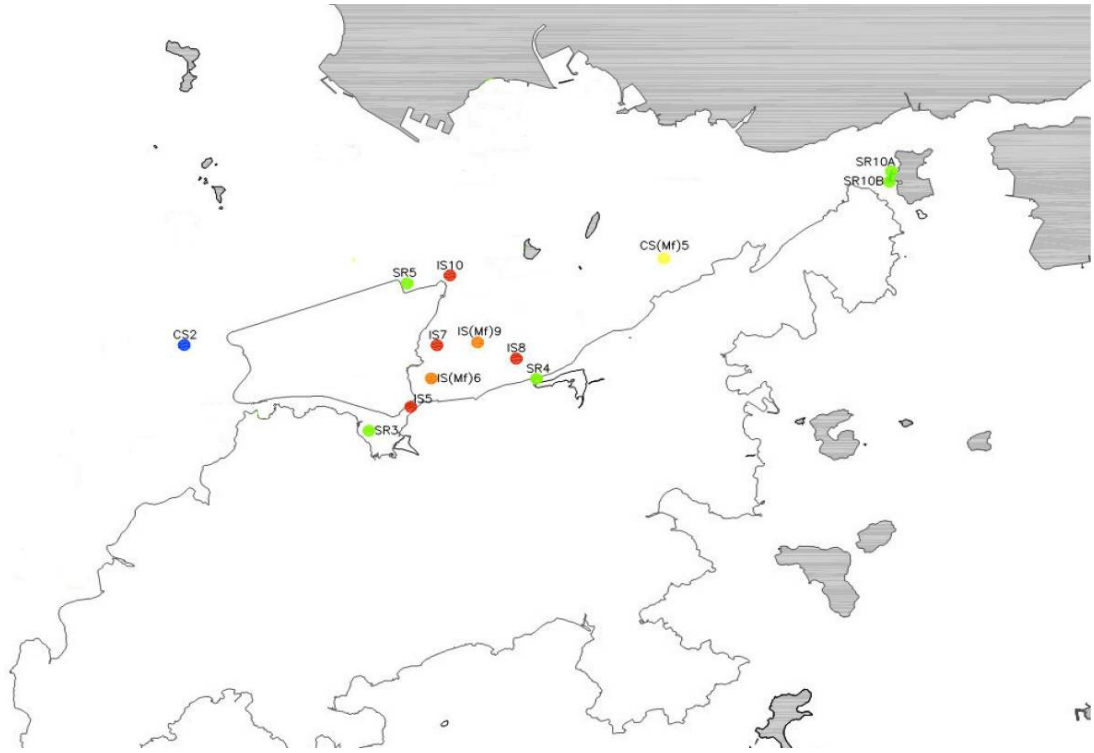
3. No leakage of turbid water or any abnormality or malpractice was observed during the sampling exercise.

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

  
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Date : 10 February 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