

**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.: 288s ver 2

**Date of Notification:** 26 November 2018

**Works Inspected:** Data collected from water sampling works on 16 November 2018 and the test report was issued on 23 November 2018.

**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	IS7	DA	<p><b>23.5</b> and 120% of upstream control station's suspended solids at the same tide of the same day (i.e. CS2(A): 10.88 x 120% = <b>13.1</b> for mid ebb; CS(Mf)5: 7.88 x 120% = <b>9.5</b> for mid flood)</p>	<p><b>34.4</b> and 130% of upstream control station's suspended solids at the same tide of the same day (i.e. CS2(A): 10.88 x 130% = <b>14.1</b> for mid ebb; CS(Mf)5: 7.88 x 130% = <b>10.2</b> for mid flood)</p>	8.3	<b>25.3</b>

Notes:

- 1) DA means depth average.
- 2) ***Bold Italic*** means AL exceedances.
- 3) ***Bold Italic with underline*** means LL exceedances.

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**Possible reasons for Action Level Non-compliance:**

On 16 November 2018, an Action Level exceedance of suspended solid was recorded at station IS7 during mid-flood tide. The exceedance has been investigated and is considered unlikely to be related to the contract works due to the following reasons:

1. According to the information provided by the Contractor, re-instatement of Kwo Lo Wan Road, landscaping works and land based transportation of fill material at Zone 3 were carried out on 16 November 2018. No effluent was discharged from work areas of the Contract to the west of station IS7 on 16 November 2018. The silt curtains for this Contract were under maintenance on 16 November 2018. However, there was no marine construction works were conducted near station IS7 which is located outside the site boundary of HKLR03 Contract.
2. The ranges of suspended solid at station IS7 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	
	to		to	
IS7	6.1	21	7.8	34

The measured value for mid-flood tide at station IS7 was below the range of suspended solid for mid-flood tide during baseline monitoring.

3. Water appearance was observed moderate (water appearance was observed neither clear nor turbid) at station IS7 and no abnormality or malpractice for the contract works was observed during the sampling exercise.
4. There were no specific activities recorded during the monitoring period that would cause any significant impacts on the monitoring results. As such, the exceedance of suspended solid level 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 level recorded beyond the water quality criteria was 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.



**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.: 289s ver 0

**Date of Notification:** 4 December 2018

**Works Inspected:** Data collected from water sampling works on 26 November 2018 and the test report was issued on 3 December 2018.

**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	SR10A(N)	DA	<b>23.5</b> and 120% of upstream control station's suspended solids at the same tide of the same day (i.e.	<b>34.4</b> and 130% of upstream control station's suspended solids at the same tide of the same day (i.e.	6.8	<b>25.2</b>
SS	SR10B(N2)	DA	CS2(A): 11.28 x 120% = <b>13.5</b> for mid ebb; CS(Mf)5: 7.97 x 120% = <b>9.6</b> for mid flood)	CS2(A): 11.28 x 130% = <b>14.7</b> for mid ebb; CS(Mf)5: 7.97 x 130% = <b>10.4</b> for mid flood)	6.7	<b>27.3</b>

Notes:

- 1) DA means depth average.
- 2) ***Bold Italic*** means AL exceedances.
- 3) ***Bold Italic with underline*** means LL exceedances.

**Possible reasons for Action Level Non-compliance:**

On 26 November 2018, two Action Level exceedances of suspended solid were recorded at stations SR10A(N) and SR10B(N2) during mid-flood tide. The exceedances have been investigated and are considered unlikely to be related to the contract works due to the following reasons:

1. According to the information provided by the Contractor, land based transportation of rock materials were carried out on 26 November 2018. There was no marine transportation near stations SR10A(N) and SR10B(N2) during sampling period and no marine works were conducted near stations SR10A(N) and SR10B(N2) which are located outside the site boundary of HKLR03 Contract.
2. The ranges of suspended solid at stations SR10A and SR10B 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	
SR10A	3.6	to 17	4.8	to 19.2
SR10B	3.1	to 30.8	5.7	to 26.7

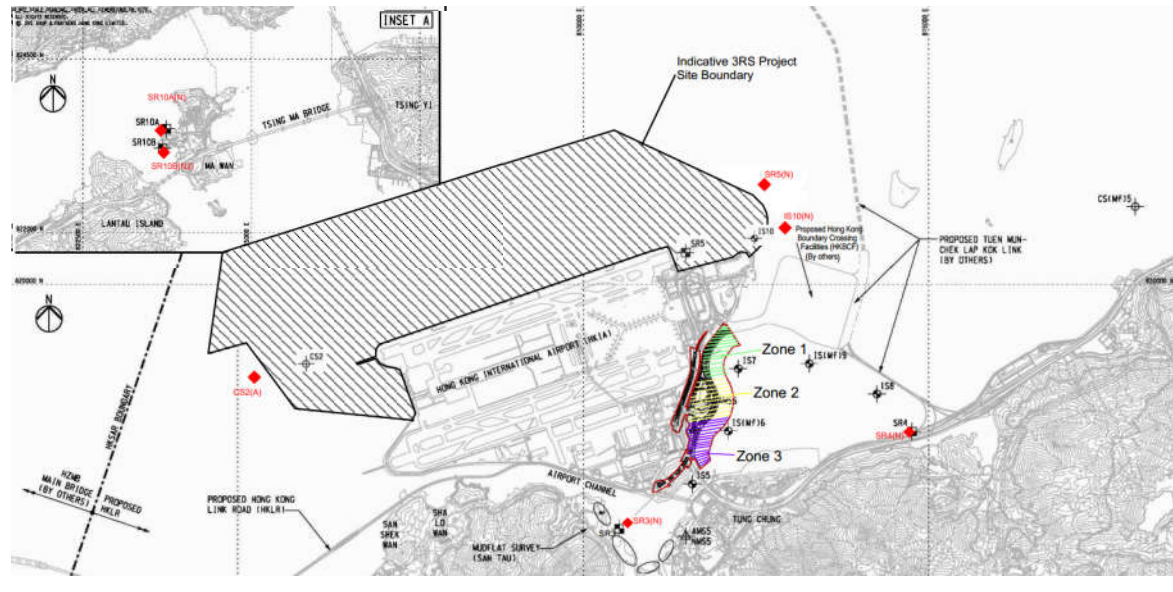
The measured value for mid-flood tide at stations SR10A(N) and SR10B(N2) were above the range of suspended solid for mid-flood tide during baseline monitoring.

3. However, water appearance was observed clear at stations SR10A(N) and SR10B(N2) and no abnormality or malpractice for the contract works was observed during the sampling exercise.
4. There were no specific activities recorded during the monitoring period that would cause any significant impacts on the monitoring results. As such, the exceedances of suspended solid level are 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 level recorded beyond the water quality criteria was 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 December 2018

Copied to: Supervising Officer, IEC/ENPO and Contractor

**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