

**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.: 273s ver 1

Date of Notification: 29 March 2018

Works Inspected: Data collected from water sampling works on 21 March 2018 and the results were issued on 28 March 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	SR3(N)	DA	<p>23.5 and 120% of upstream control station's suspended solids at the same tide of the same day (i.e. CS2(A): 8.45 x 120% = 10.1 for mid ebb; CS(Mf)5: 5.22 x 120% = 6.3 for mid flood)</p>	<p>34.4 and 130% of upstream control station's suspended solids at the same tide of the same day (i.e. CS2(A): 8.45 x 130% = 11.0 for mid ebb; CS(Mf)5: 5.22 x 130% = 6.8 for mid flood)</p>	10.2	27.2

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 21 March 2018, an Action Level exceedance of suspended solid was recorded at station SR3(N) 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. Seawall construction, road and drainage construction at Zones 1 and 2; land transportation of fill material, backfilling activities at Zones 2 and 3; seawall construction, box culvert construction and road and drainage work at Zone 3 were carried out on 21 March 2018. As confirmed by the Contractor, seawall construction at Zones 1, 2 and 3 were carried out within the properly deployed silt curtain as recommended in the EIA Report.
2. The ranges of suspended solid at station SR3 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	
SR3	6.7	to 31	7.6	to 28

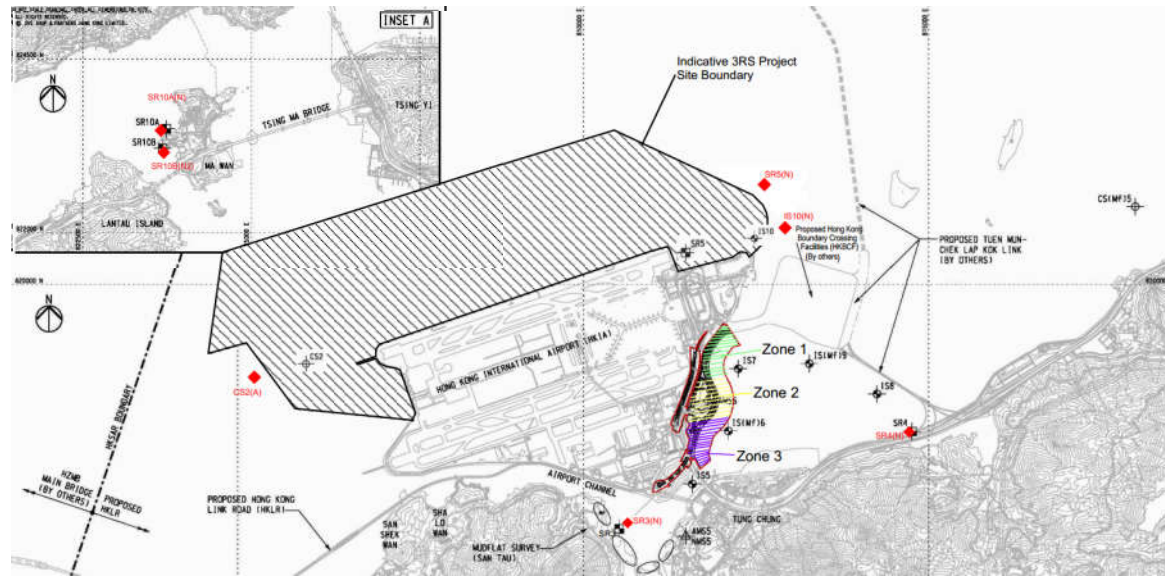
The measured value for mid-flood tide at station SR3(N) was below the range of suspended solid for mid-flood tide during baseline monitoring.

3. During sampling exercise, water appearance was observed moderate (water appearance was observed neither clear nor turbid) at station SR3(N). There was no marine transportation near station SR3(N) during sampling period and no marine works were conducted near station SR3(N) which is located outside the site boundary of HKLR03 Contract. 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.

Location Plan:



Reviewed by : Claudine Lee

Title : ET Leader

Date : 16 April 2018

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.: 274s ver 1

Date of Notification: 6 April 2018

Works Inspected: Data collected from water sampling works on 23 March 2018 and the results were issued on 3 April 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	IS8	DA	<p>23.5 and 120% of upstream control station's suspended solids at the same tide of the same day (i.e. CS2(A): 5.70 x 120% = 6.8 for mid ebb; CS(Mf)5: 5.20 x 120% = 6.2 for mid flood)</p>	<p>34.4 and 130% of upstream control station's suspended solids at the same tide of the same day (i.e. CS2(A): 5.70 x 130% = 7.4 for mid ebb; CS(Mf)5: 5.20 x 130% = 6.8 for mid flood)</p>	11.0	23.6

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 23 March 2018, an Action Level exceedance of suspended solid was recorded at station IS8 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. Seawall construction, road and drainage construction at Zones 1 and 2; land transportation of fill material, backfilling activities at Zones 2 and 3; seawall construction, box culvert construction and road and drainage work at Zone 3 were carried out on 23 March 2018. As confirmed by the Contractor, seawall construction at Zones 1, 2 and 3 were carried out within the properly deployed 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

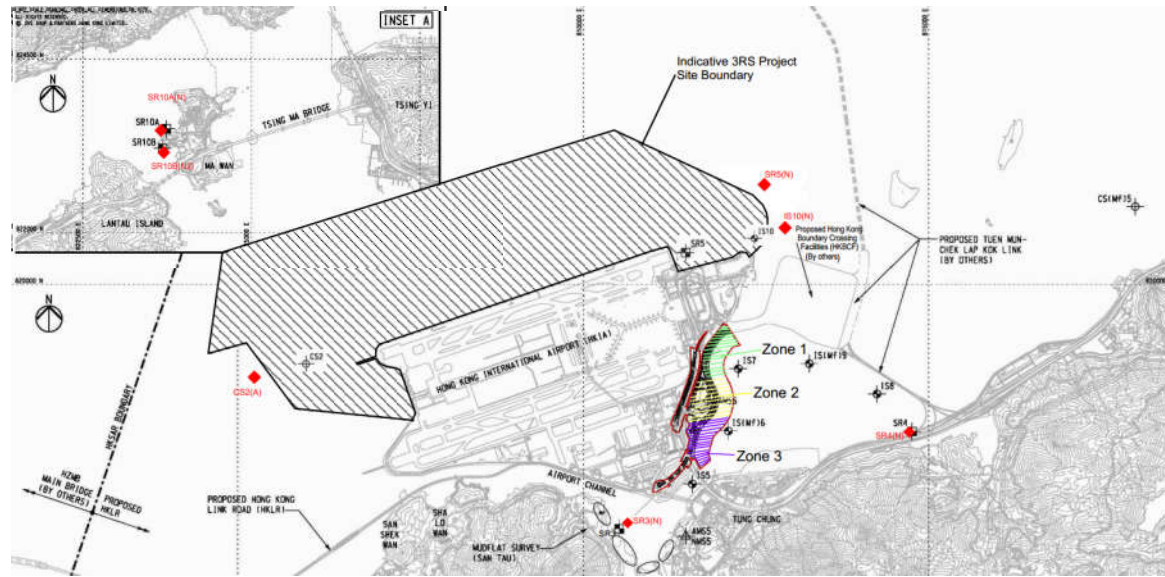
The measured value for mid-flood tide at station IS8 was below the range of suspended solid for mid-flood tide during baseline monitoring.

3. During sampling exercise, water appearance was observed moderate (water appearance was observed neither clear nor turbid) at station IS8. There was no marine transportation near station IS8 during sampling period and no marine works were conducted near station IS8 which is located outside the site boundary of HKLR03 Contract. 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.

Location Plan:



Reviewed by : Claudine Lee

Title : ET Leader

Date : 16 April 2018

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