

Date of Notification: 9 August 2017

Works Inspected: Data collected from water sampling works on 12 July 2017 by Contract No. HY/2010/02 and Contract No. HY/2011/09.

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	DA	23.5 and 120% of upstream control station's suspended solids at the same tide of the same day (i.e. CS2: 3.95 x 120% = 4.7 for mid ebb AND CS(Mf)5: 14.02 x 120% = 16.8 for mid flood)	34.4 and 130% of upstream control station's suspended solids at the same tide of the same day (i.e. CS2: 3.95 x 130% = 5.1 for mid ebb AND CS(Mf)5: 14.02 x 130% = 18.2 for mid flood)	24.7	18.0

Notes:

- 1) DA means depth average.
- 2) ***Bold Italic*** means AL exceedances.
- 3) ***Bold Italic with underline*** means LL exceedances.
- 4) The monitoring data of water quality monitoring for stations SR3 and CS(Mf)5 were adopted from the published EM&A data of Contract No. HY/2010/02. The data are available at a website: <http://www.hzmbenpo.com/>
- 5) The monitoring data of water quality monitoring for station CS2 was adopted from the published EM&A data of Contract No. HY/2011/09. The data are available at a website: <http://www.hzmbenpo.com/>

Possible reason for Action Level Non-compliance:

On 12 July 2017, an Action Level exceedance of suspended solid was recorded at station SR3 during mid-ebb tide. The exceedance has been investigated and is considered unlikely to be related to the contract works due to the following reasons:

1. Removal of surcharge, road and drainage construction at Zones 1 and 2; seawall construction at Zones 2 and 3; box culvert construction at Zone 2; and transportation of fill material at Zone 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	
	to		to	
SR3	6.7	31	7.6	28

The measured value for mid-ebb tide at station SR3 was within the range of suspended solid for mid-ebb tide during baseline monitoring.

3. There was no marine transportation at Zones 1, 2, and 3. There were no specific activities recorded during the monitoring period that would cause any significant impacts on the monitoring results. Also, there was no muddy plume observed at station SR3 during sampling exercise.
4. No leakage of turbid water or any abnormality or malpractice for all contract works was observed during the sampling exercise.

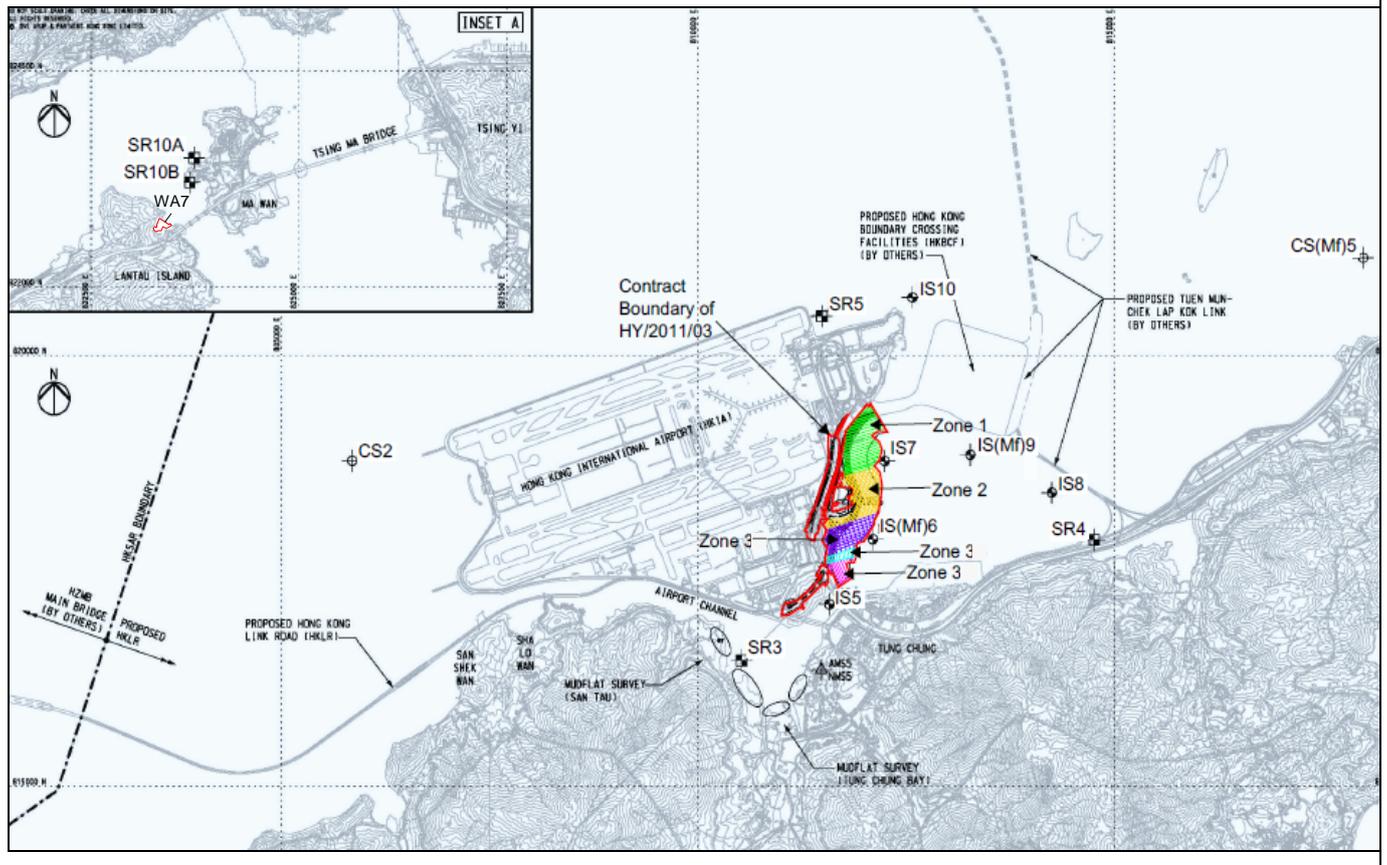
As such, the exceedance of suspended solid level is considered to be attributed to other external factors such as sea condition, rather than the contract works.

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 : 14 August 2017

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

Date of Notification: 9 August 2017

Works Inspected: Data collected from water sampling works on 14 July 2017 by Contract No. HY/2010/02 and Contract No. HY/2011/09

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>23.5 and 120% of upstream control station's suspended solids at the same tide of the same day (i.e. CS2: 5.97 x 120% = 7.2 for mid ebb AND CS(Mf)5: 11.65 x 120% = 14.0 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: 5.97 x 130% = 7.8 for mid ebb AND CS(Mf)5: 11.65 x 130% = 15.1 for mid flood)</p>	15.8	24.8

Notes:

- 1) DA means depth average.
- 2) ***Bold Italic*** means AL exceedances.
- 3) ***Bold Italic with underline*** means LL exceedances.
- 4) The monitoring data of water quality monitoring for stations SR3 and CS(Mf)5 were adopted from the published EM&A data of Contract No. HY/2010/02. The data are available at a website: <http://www.hzmbenpo.com/>
- 5) The monitoring data of water quality monitoring for station CS2 was adopted from the published EM&A data of Contract No. HY/2011/09. The data are available at a website: <http://www.hzmbenpo.com/>

Possible reason for Action Level Non-compliance:

On 14 July 2017, 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. Removal of surcharge, road and drainage construction at Zones 1 and 2; seawall construction at Zones 2 and 3; box culvert construction at Zone 2; and transportation of fill material at Zone 3 were carried out within the properly deployed silt curtain as recommended in the EIA Report.

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	
IS7	6.1	to	21	7.8 to 34

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

3. There was no marine transportation at Zones 1, 2, and 3. There were no specific activities recorded during the monitoring period that would cause any significant impacts on the monitoring results. Also, there was no muddy plume observed at station IS7 during sampling exercise.
4. No leakage of turbid water or any abnormality or malpractice for all contract works was observed during the sampling exercise.

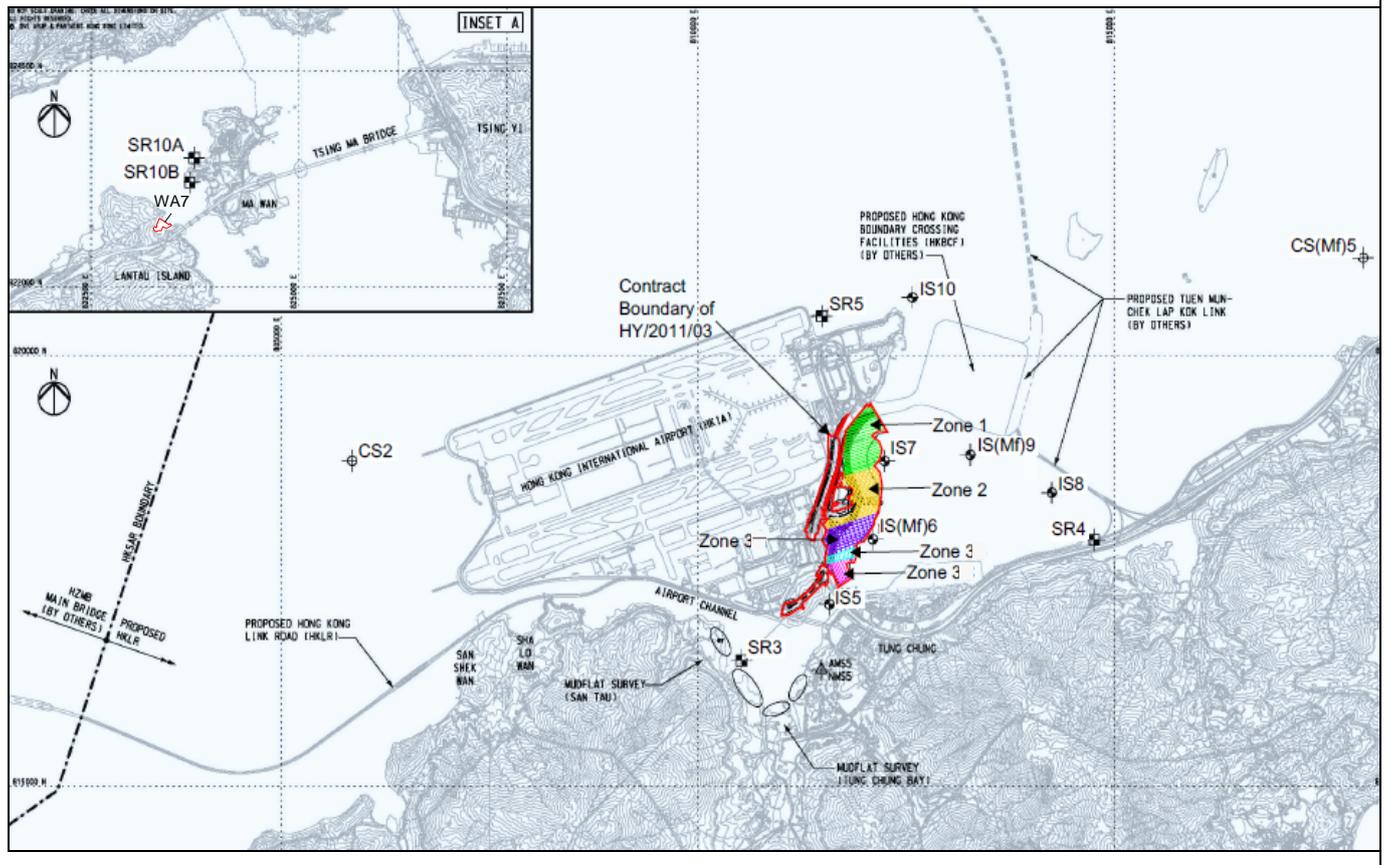
As such, the exceedance of suspended solid level is considered to be attributed to other external factors such as sea condition, rather than the contract works.

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 : 14 August 2017

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