

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.: 143

Date of Notification: 17 June 2013

Works Inspected: Data collected from water sampling works on 10 June 2013 and the test report was issued on 11 June 2013.

Monitoring Location: Water Quality Monitoring Stations

Parameter: Dissolved Oxygen (DO)/ ~~Suspended Solids (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)
DO	IS5	Bottom	5	4.2	5.2	4.5
DO	IS10	Bottom			4.6	4.5
DO	SR10B	Surface	5	5	7.2	<u>4.4</u>
DO	SR10B	Bottom			7.2	<u>4.4</u>

Notes:

Bold Italic means AL exceedances.

Bold Italic with underline means LL exceedances.

Possible reason for Action or Limit Level Non-compliance:

On 10 June 2013, an AL exceedance at station IS10 was recorded at the bottom level during the mid-ebb tide. AL exceedances at stations IS5 and IS10 were recorded at the bottom level during the mid-flood tide. LL exceedances at station SR10B were recorded at the surface level and the bottom level 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. Installation of stone column which is a land-based construction activity was carried out at Zone 1 and Zone 3A on 10 June 2013. There were no marine construction activities on 10 June 2013.
2. The range of dissolved oxygen at stations IS5, IS10, SR10B during the baseline monitoring are shown as below:

Station	Depth	Range of Dissolved Oxygen (mg/L) Mid-Ebb Tide	Range of Dissolved Oxygen(mg/L) Mid-Flood Tide
IS5	Bottom	3.3 to 8.6	2.9 to 9.4
IS10	Bottom	4.6 to 7.0	4.9 to 7.0
SR10B	Surface	5.2 to 9.0	5.0 to 8.4
SR10B	Bottom	5.6 to 9.3	4.9 to 7.6

The measured value at station IS5 and IS10 at the bottom level during mid flood tide and at station IS10 at the bottom level during mid-ebb tide were within the range of dissolved oxygen during the baseline monitoring. The measured value at stations SR10B at the surface level and bottom level during mid-flood tide were slightly below the range of dissolved oxygen.

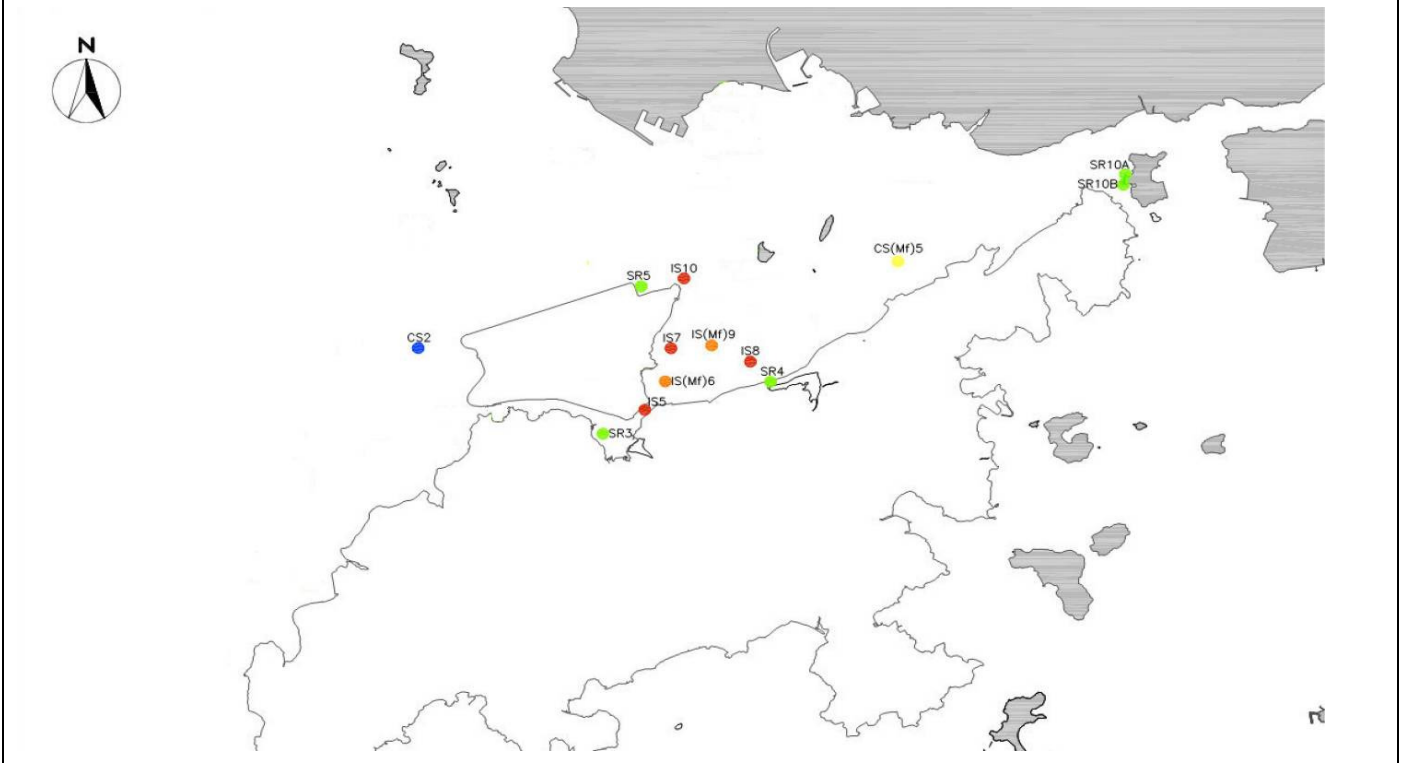
3. There were no specific activities recorded during the monitoring period that would cause any significant impacts on the monitoring results.

As such, the exceedances in DO levels are considered to be attributed to other external factors rather than the contract works.

Actions taken/ to be taken:

As the DO 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 : 17 June 2013

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.: 144

Date of Notification: 5 July 2013

Works Inspected: Data collected from water sampling works on 24 June 2013 and the test report was issued on 2 July 2013.

Monitoring Location: Water Quality Monitoring Stations

Parameter: Dissolved Oxygen (DO)/ Suspended Solids (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: 3.12 x 120% = 3.7 mg/L for mid ebb) AND CS(Mf)5: 4.02 x 120% = 4.8 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: 3.12 x 130% = 4.1 mg/L for mid ebb) AND CS(Mf)5: 4.02 x 130% = 5.2 mg/L for mid flood)	<u>47.3</u>	N.A.

Notes:
 DA means depth average.
Bold Italic means AL exceedances.
Bold Italic with underline means LL exceedances.
 Due to adverse weather condition, the water quality monitoring was cancelled at SR4 during mid-flood tide.

Possible reason for Action or Limit Level Non-compliance:

On 24 June 2013, a LL exceedance at station SR4 was recorded during mid-ebb tide.

The exceedances have been investigated and are considered unlikely to be related to contract works due to the following reasons:

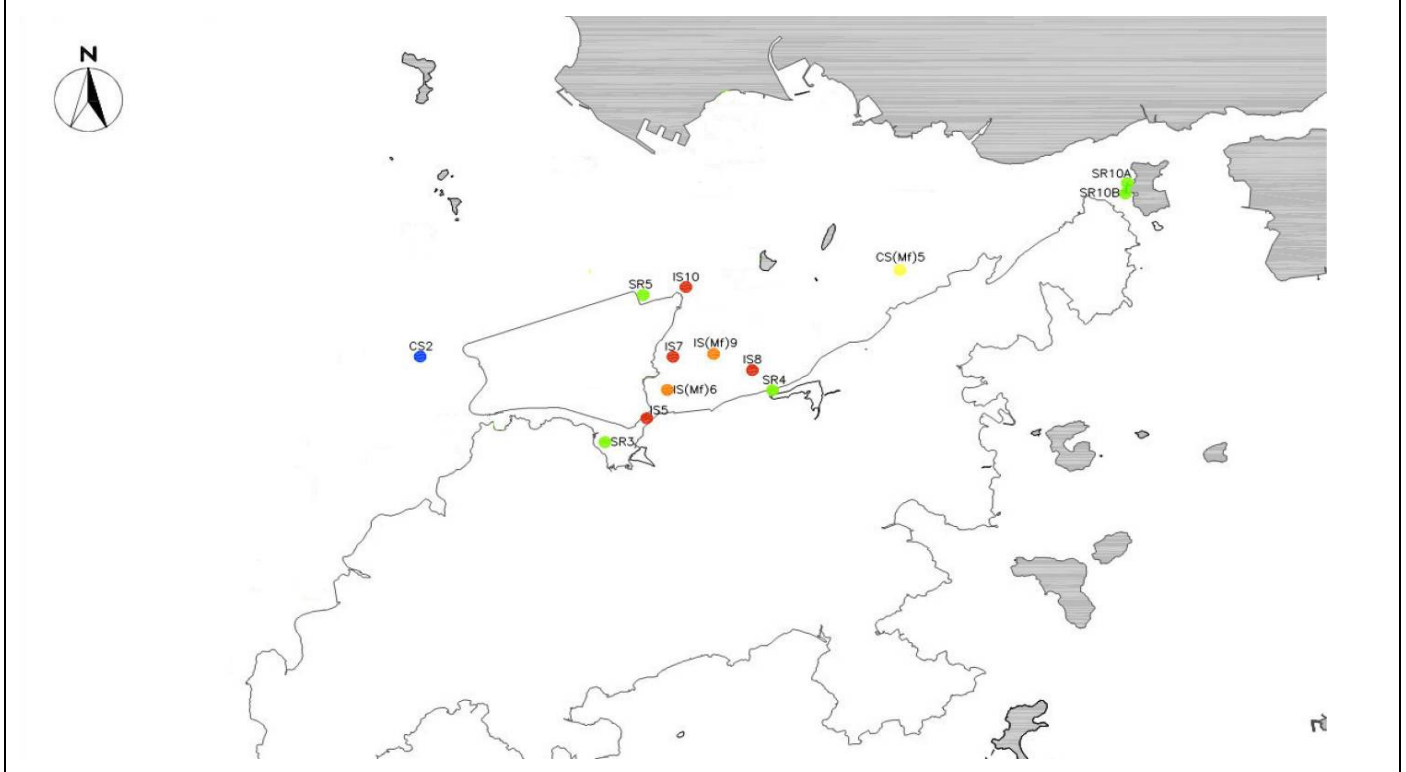
1. There were no marine construction activities on 24 June 2013 at the station SR4.
2. There were no specific activities recorded during the monitoring period that would cause any significant impacts on the monitoring results.
3. No leakage of turbid water or any abnormality or malpractice was observed during the sampling exercise.

As such, the suspended solid levels 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 : 5 July 2013

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

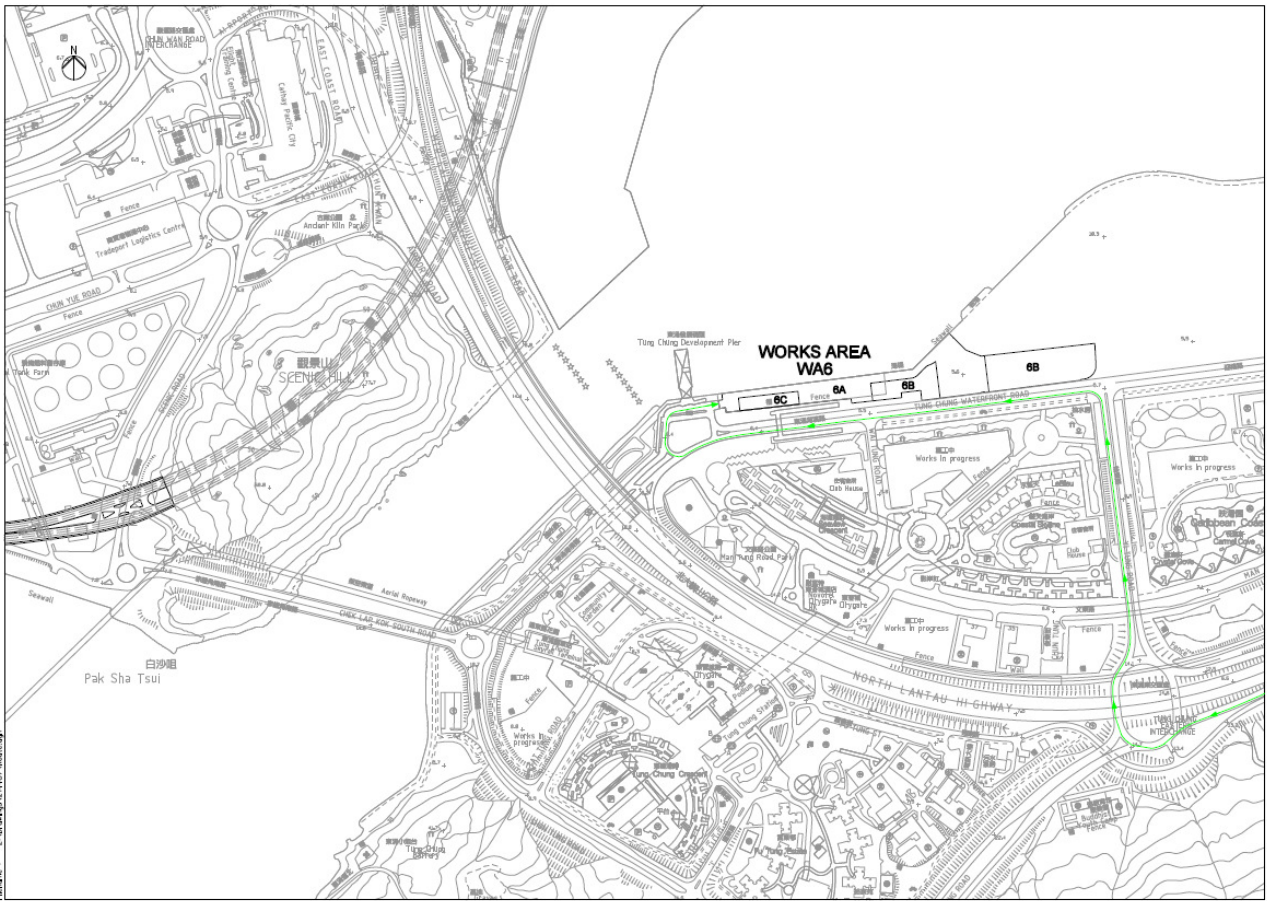
Contract No. HY/2011/03 - Hong Kong- Zhuhai- Macao Bridge Hong Kong Link Road Section between Scenic Hill and Hong Kong Boundary Crossing Facilities Notifications of Environmental Quality Limits Exceedances			Notification No.: 145
Date of Notification: 8 July 2013			
Works Inspected: Not Applicable			
Monitoring Location: Not Applicable			
Parameter: Noise			
Action & Limit Levels			Description
Time Period	Action Level	Limit Level	One Action Level exceedance was recorded as there was a noise complaint received on 29 June 2013. The complaint was related to noise generated from the works area near the site office (WA6) around 10:00 hrs on 29 June 2013.
07:00–19:00 hrs Normal weekday	1 complaint	75 dB(A)	
Possible reason for Action or Limit Level Non-compliance:			
<p>According to the site diary provided by the Contractor, electric circular saw was used to cut plastic tubes for maintenance work at the works area near the site office (Work area WA6) from 09:45 to 10:15 hrs of 29 June 2013.</p> <p>A site inspection was undertaken on 2 July 2013, no construction works was undertaken at work area near the site office (Work area WA6). No significant noise was generated from the site.</p> <p>As the electric circular saw was used for maintenance work and there was no significant noise generated from the site, the complaint was considered invalid.</p> <p>The site diary for the complaint time period of 29 June 2013 and location plan of work area WA6 are attached for information.</p>			
Actions taken/ to be taken:			
As the complaint is not due to the project works, no mitigation measure/actions are considered necessary.			
Recommendations/ mitigation measures/ actions if necessary:			
The Contractor was recommended to minimize the potential noise impacts generated from the construction sites as far as practicable in future.			

Reviewed by : Claudine Lee Title : ET Leader


 Date : 8 July 2013

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

Location Plan:



Drawn by: 2015/2002
Checked by: 2015/2002

Site Diary for WA6 (Works Area of Site Office) on 29 June 2013

<u>Location</u>	<u>Time</u>	<u>Plant Name</u>	<u>Plant Type</u>	<u>Working Status</u>	<u>CNP No.</u>	<u>Group</u>
WA6	9:45 - 10:15	N/A	Electric circular saw	Electric circular saw was used to cut plastic tubes for maintenace work	N/A	N/A

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