

Appendix N

Cumulative Statistics on
Exceedances, Complaints,
Notifications of Summons
and Successful Prosecutions

Appendix N1 Cumulative Statistics on Exceedances

		Total No. recorded in this reporting month	Total No. recorded since project commencement
1-Hr TSP	Action	0	0
	Limit	0	0
24-Hr TSP	Action	0	2
	Limit	0	0
Noise	Action	0	0
	Limit	0	0
Water Quality	Action	0	1
	Limit	0	0
Impact Dolphin Monitoring	Action	0	3
	Limit	0	0

Appendix N2 Cumulative Statistics on Complaints, Notifications of Summons and Successful Prosecutions

Reporting Period	Cumulative Statistics		
	Complaints	Notifications of Summons	Successful Prosecutions
This Reporting Month (July 2014)	0	0	0
Total No. received since project commencement	2	0	0



ENVIRONMENTAL COMPLAINT/ ENQUIRY FORM

Complaint/ Enquiry Received*

Date: 23 June 2014
Time: Undisclosed
From: EPD
Via: facsimile

Complainant/ Enquirer*:

Name: Undisclosed
Tel: Undisclosed
Address: Undisclosed
Media: ~~Dust~~ Noise Water Quality ~~Other~~

Description: A complaint was received on 23 June 2014 regarding the muddy water was discharged from the construction site next to Pak Mong village of Tuen Mun-Chek Lap Kok Link-Southern Viaduct Section on to the nearby storm drains.

Investigation Report & Response

Result of Investigation

After receiving the complaint log, the construction activities were checked and reviewed with appropriate follow-up actions conducted by the Contractor. Paving works were being undertaken on 23 June 2014. No slope works or soil generation works were recorded to be undertaken by the Contractor.

An initial investigation was conducted on 25 June by ET with EPD, Contractor and SOR. Based on the weather information from the Hong Kong Observatory (HKO), heavy rain was recorded on 23 June 2014 (*Figure 1.1*). Rain water was found accumulating in the Site Access 9A (*Figure 1.2*) which was probably related to the heavy rain. Besides direct rainfall, the construction site was next to a slope which was partly unpaved. Soil was suspected to be flushed from the slope. However, there was no evidence that the accumulated muddy water was being discharged from the site.

The following actions had been undertaken by the Contractor to deal with the accumulation of muddy water before receiving the complaint (*Figure 1.3*):

- A set of waste water treatment plant was being established. Any runoff in the Site Access 9A was pumped to the temporary sedimentation tank.
- Unpaved area and exposed slope had been covered by tarpaulin sheet to prevent direct flushing by rainfall.
- Clearing of mud and soil residue had been performed constantly on site.

Mitigation Measures and Follow-Up Actions Recommended to Contractor

The follow-up actions listed below were being undertaken by the Contractor after receiving the complaint (Figure 1.4):

- Muddy water that was accumulated at the Site Access 9A due to the heavy rainfall was removed off-site by licensed suction tanker.
- Water sample from the treatment plant was taken for suspended solid analysis to ensure the effluent quality was in compliance with the discharge licence conditions.
- The slope next to the storm drains had been hydro-seeded which aimed at stabilizing the soil on the slope.

After the complaint investigation, the following recommendations were proposed to the Contractor:

- The Contractor was reminded to conduct the environmental protection measures in EM&A Manual, in particularly those related to land works of the Contract (please refer to Appendix A of the EM&A Manual for details of water quality mitigation measures related to land works). No waste water should be discharged until the water quality can fulfill the requirement of the Waste Water Discharge License.
- As the rainy season has approached, similar situation of accumulation of muddy water may occur again in the construction site. The Contractor was reminded to ensure their works strictly comply with the Water Pollution Control Ordinance (WPCO) license conditions.
- The Contractor was recommended to introduce a high volume waste water treatment system which is capable of handling waste water due to continuous heavy rainfall.

Follow-up Investigation Report

Result of Investigation

According to HKO record, heavy rainfall was recorded on 10 July (Figure 1.5). Investigation was thus conducted afterwards by ET with EPD, Contractor and SOR to check if the precaution measures were implemented appropriately and effectively (Figure 1.6).

Observations were as follow:

- No accumulation or illegal discharge of muddy water was observed after heavy rainfall.
- Muddy water from rainfall was collected into the sedimentation tank for water treatment.
- The water treatment plant was considered able to handle muddy water generated from heavy rainfall. It will be deployed until the end of rainy season or longer if necessary.

Site Access 9B (adjacent to the same slope at) was also visited. A set of water treatment plant was established to avoid muddy water generated by rainfall (Figure 1.7). Lack of precaution measures was not identified at Site Access 9B.

Overall, no non-compliance was identified in the investigation of the complaint. The onsite precaution measures were implemented appropriately.

Date of File Closed : 30 July 2014

Approved and Filed by:



(Jovy Tam, ET Leader)

Date: 30 July 2014

Figure 1.1 Rainfalls from 22 to 23 June 2014

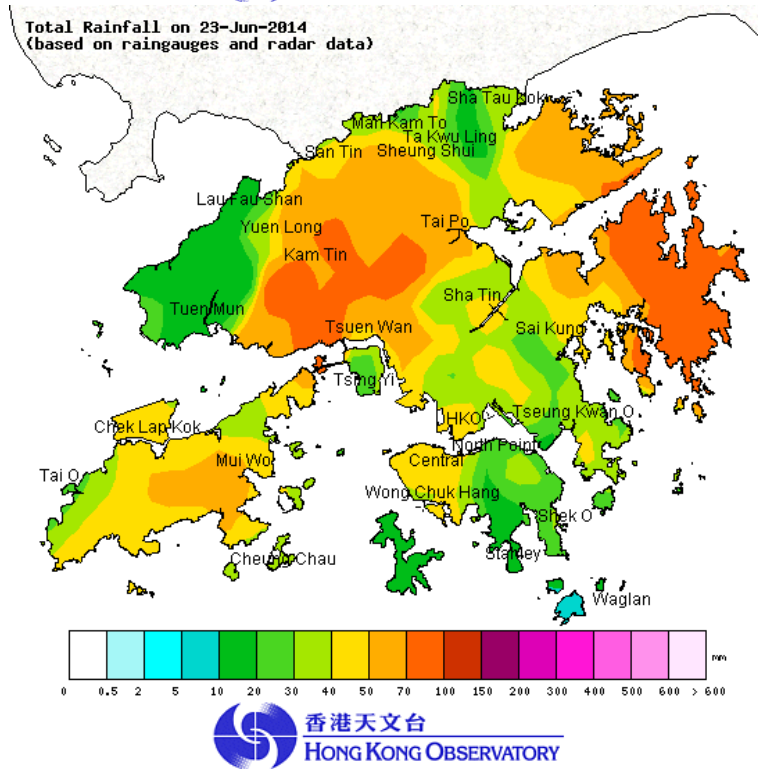
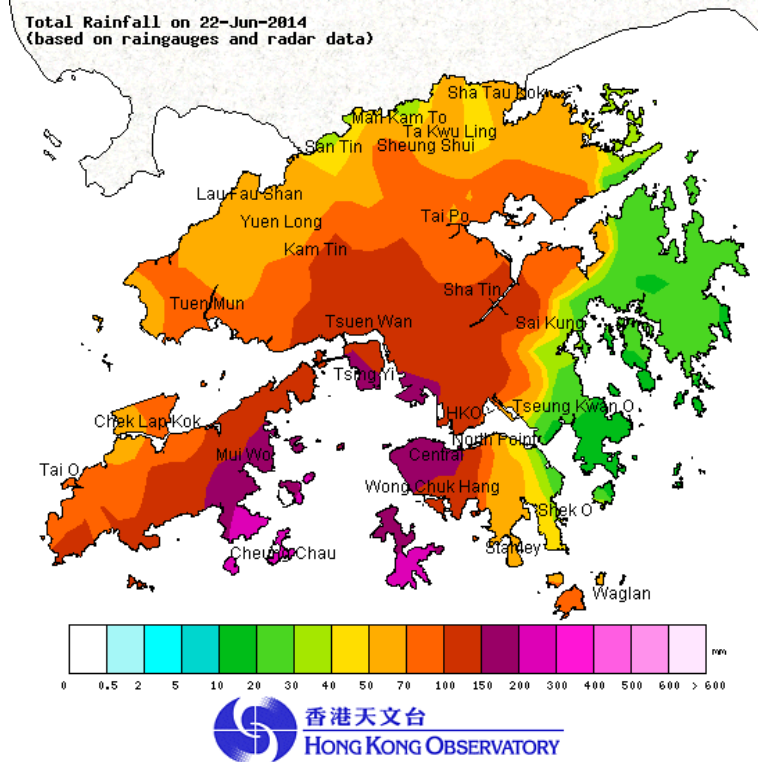


Figure 1.2

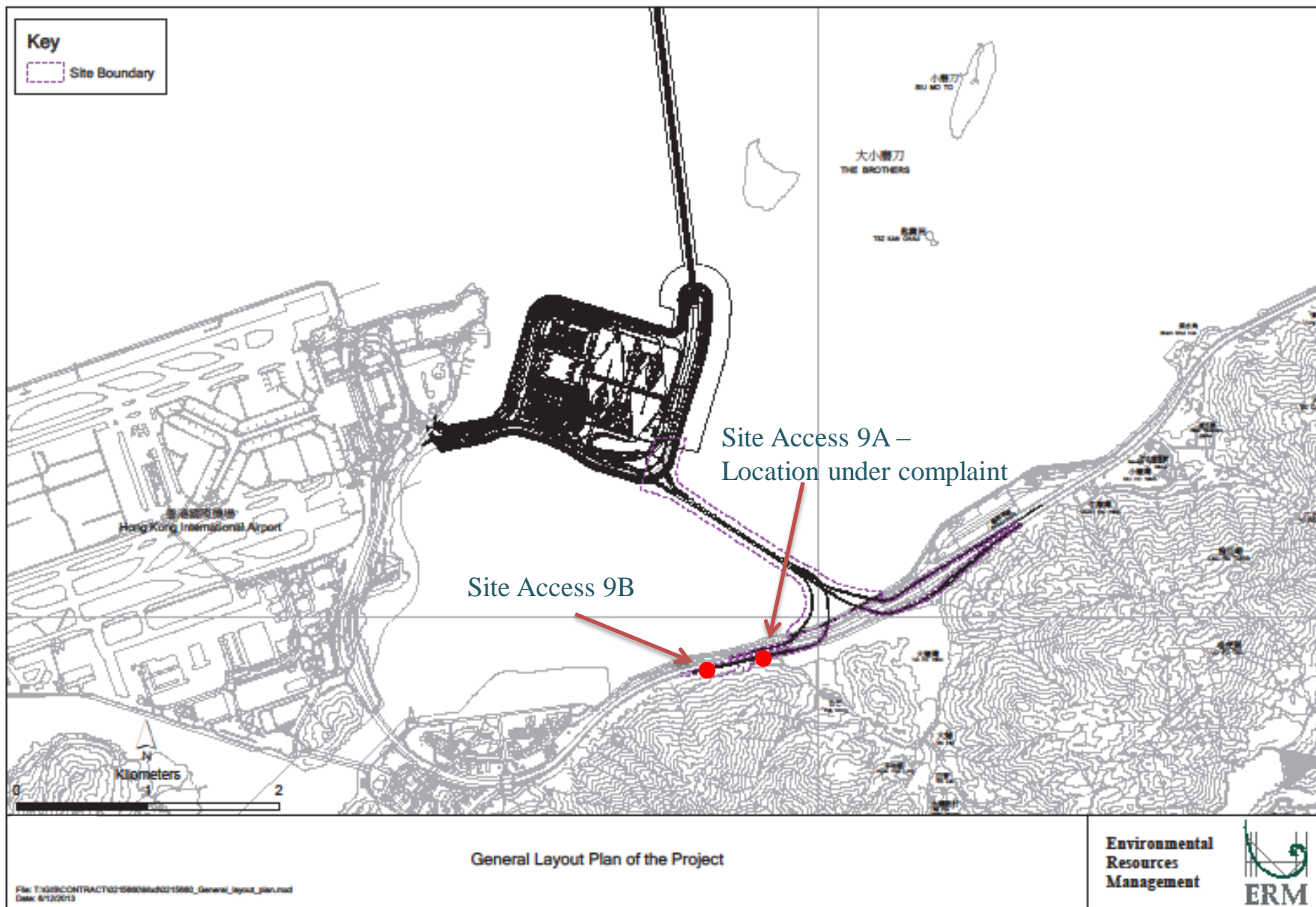


Figure 1.3 Measures undertaken by the Contractor to deal with the accumulation of muddy water before receiving the complaint (Photos taken on 25 June 2014)

Water treatment plant



Tarpaulin sheet cover



General mud and soil removal



Figure 1.4 Follow-up actions undertaken by the Contractor after receiving the complaint (Photos taken on 26 June 2014)

Water sample for Suspended Solid analysis



Hydro-seeding at unpaved slope

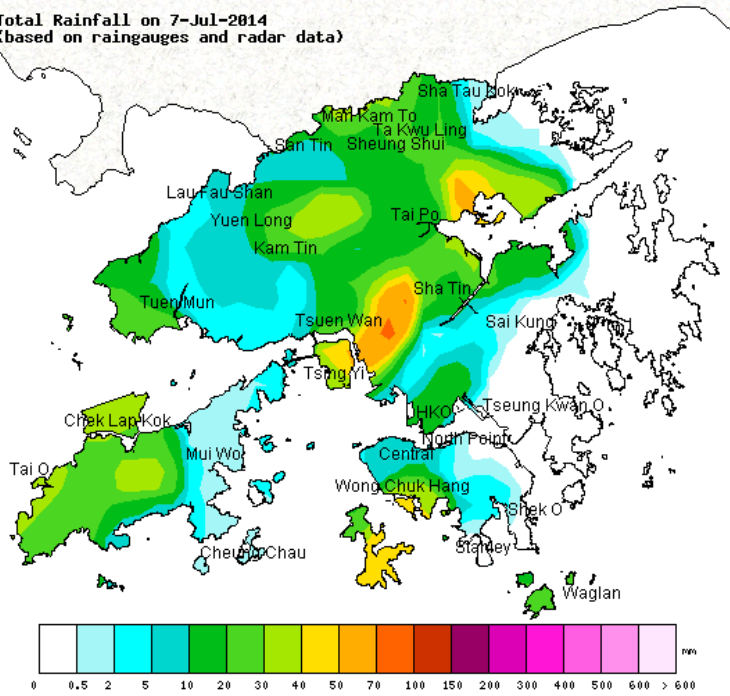


Hydro-seeding at unpaved slope nearby drainage



Figure 1.5 Rainfall on 10 July 2014

Total Rainfall on 7-Jul-2014
(based on raingauges and radar data)



Figures 1.6 Follow-up investigation (Photos taken on 10 July 2014)

Collection of muddy water



Water Treatment plant



Figure 1.7 Inspections at Site Access 9B (Photo taken on 10 July 2014)

Water treatment plant

