

Interim Notifications of Environmental Quality Limits Exceedances

Incident Report on Action Level or Limit Level Non-compliance

Project	Tsuen Wan Drainage Tunnel
Date	02-Jul-10
Time	10:00 AM
Monitoring Location	Hong Hoi Chee Hong Temple (I-2)
Parameter	Suspended Solid
Action & Limit Levels	7.68 / 8.34
Measured Level	3.20 (higher than 120% of control station's SS)
Possible reason for Action or Limit Level Non-compliance	A low SS level of 2.50 is recorded at Control Station (I-2-C)
Actions taken / to be taken	The measured SS level was below baseline Action / Limit Level and was within the range of baseline SS concentration (1-8.5mg/L). General Site Cleaning and House Keeping; Erection of Noise Enclosure at Man Access Shaft; Excavation at Vortex Drop Shaft and Man Access Shaft; Pipe Jacking and Erection of working platform for mini-pile construction were undertaken during the measurement. No direct disturbance was observed from the site. Thus, the exceedance is considered to be contributed by natural variation and no action should be required.
Remarks	Following mitigation measures were provided: (1) Concrete block wall and sandbags were used to avoid wastewater from site activities directly running down to the river of I-2. (2) Sedimentation tank and waste water treatment plant were in place for wastement treatment at the location of I-2.

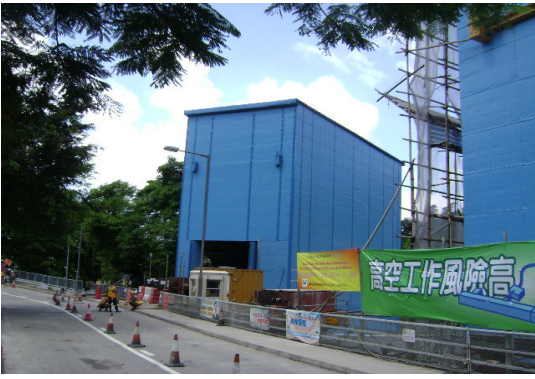
Prepared by: Terence Kong
 Designation: Environmental Team Leader

Signature:



Date: 09-Jul-10

Photographic record for exceedance of Suspended Solid recorded at Hong Hoi Chee Hong Temple (I-2) on 02-Jul-10



Site photo



Photo taken at I-2



Photo taken at I-2-C

Interim Notifications of Environmental Quality Limits Exceedances

Incident Report on Action Level or Limit Level Non-compliance

Project	Tsuen Wan Drainage Tunnel
Date	12-Jul-10
Time	10:08 AM
Monitoring Location	Hong Hoi Chee Hong Temple (I-2)
Parameter	Suspended Solid
Action & Limit Levels	7.68 / 8.34
Measured Level	3.10 (higher than 130% of control station's SS)
Possible reason for Action or Limit Level Non-compliance	A low SS level of 2.00 is recorded at Control Station (I-2-C)
Actions taken / to be taken	The measured SS level was below baseline Action / Limit Level and was within the range of baseline SS concentration (1-8.5mg/L). General Site Cleaning and House Keeping; Excavation at Man Access Shaft; Drilling and Rock Splitting at Vortex Drop Shaft; Pipe Jacking and Drilling for mini-pile construction were undertaken during the measurement. No direct disturbance was observed from the site. Thus, the exceedance is considered to be contributed by natural variation and no action should be required.
Remarks	Following mitigation measures were provided: (1) Sedimentation tanks and wastewater treatment plant were in place for excavation works at the location of I-2. (2) A surface channel was used to collect wastewater generated from mini-pile construction to sedimentation tank and wastewater treatment plant at I-2.

Prepared by: Terence Kong
 Designation: Environmental Team Leader

Signature:



Date: 20-Jul-10

Photographic record for exceedance of Suspended Solid recorded at Hong Hoi Chee Hong Temple (I-2) on 12-Jul-10



Site photo



Photo taken at I-2



Photo taken at I-2-C

Interim Notifications of Environmental Quality Limits Exceedances

Incident Report on Action Level or Limit Level Non-compliance

Project	Tsuen Wan Drainage Tunnel
Date	19-Jul-10
Time	9:40 AM
Monitoring Location	Hong Hoi Chee Hong Temple (I-2)
Parameter	Suspended Solid
Action & Limit Levels	7.68 / 8.34
Measured Level	4.00 (higher than 130% of control station's SS)
Possible reason for Action or Limit Level Non-compliance	A low SS level of 2.50 is recorded at Control Station (I-2-C)
Actions taken / to be taken	The measured SS level was below baseline Action / Limit Level and was within the range of baseline SS concentration (1-8.5mg/L). General site cleaning and house keeping; excavation at man access shaft; rock splitting at vortex drop shaft; extension of steel platform; pipe jacking and mini piling were undertaken during the measurement. No direct disturbance was observed from the site. Thus, the exceedance is considered to be contributed by natural variation and no action should be required.
Remarks	Following mitigation measures were provided: (1) Sedimentation tanks and wastewater treatment plant were in place for excavation works at the location of I-2. (2) A surface channel was used to collect wastewater generated from mini-pile construction to sedimentation tank and wastewater treatment plant at I-2.

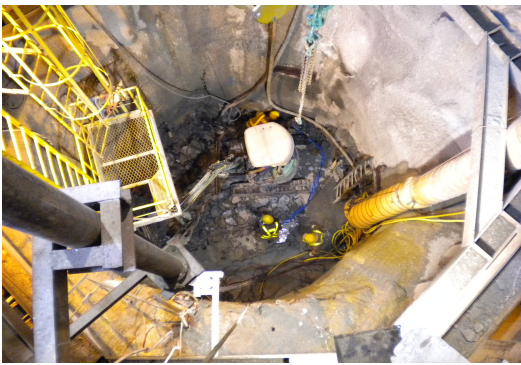
Prepared by: Terence Kong
 Designation: Environmental Team Leader

Signature:



Date: 26-Jul-10

Photographic record for exceedance of Suspended Solid recorded at Hong Hoi Chee Hong Temple (I-2) on 19-Jul-10



Site photo



Photo taken at I-2



Photo taken at I-2-C

Interim Notifications of Environmental Quality Limits Exceedances

Incident Report on Action Level or Limit Level Non-compliance

Project	Tsuen Wan Drainage Tunnel
Date	23-Jul-10
Time	9:00 AM
Monitoring Location	Sik Sik Yuen Ho Fung College (I-1)
Parameter	Turbidity
Action & Limit Levels	9.75 / 12.47
Measured Level	16.27
Possible reason for Action or Limit Level Non-compliance	A high turbidity level of 17.19 is recorded at Control Station (I-1-C).
Actions taken / to be taken	The measured turbidity level was above baseline Limit Level. It was also beyond the range of baseline turbidity concentration (3.13 - 13.15 NTU). Black storm signal was held on 22 July 2010. No construction activity was carried out on the following day. The exceedance is considered by natural variation. No action should be taken as the turbidity result at monitoring station was below the action and limit level of control station.
Remarks	Sand/silts removal facilities were installed for the treatment of wastewater at the location of I-1. However, other mitigation measures provided (e.g. sandbags) were found damaged by the heavy rainstorm.

Prepared by: Terence Kong

Designation: Environmental Team Leader

Signature:



Date: 26-Jul-10

Photographic record for exceedance of Turbidity recorded at Sik Sik Yuen Ho Fung College (I-1) on 23-Jul-10



Site photo



Photo taken at I-1




Photo taken at I-1-C

Interim Notifications of Environmental Quality Limits Exceedances

Incident Report on Action Level or Limit Level Non-compliance

Project	Tsuen Wan Drainage Tunnel
Date	23-Jul-10
Time	10:35 AM
Monitoring Location	Hong Hoi Chee Hong Temple (I-2)
Parameter	Turbidity
Action & Limit Levels	6.63 / 6.99
Measured Level	10.13
Possible reason for Action or Limit Level Non-compliance	A high turbidity level of 10.76 is recorded at Control Station (I-2-C).
Actions taken / to be taken	The measured turbidity level was above baseline Limit Level. It was also beyond the range of baseline turbidity concentration (2.17 - 7.08 NTU). Black storm signal was held on 22 July 2010. No construction activity was carried out on the following day. The exceedance is considered by natural variation. No action should be taken as the turbidity result at monitoring station was below the action and limit level of control station.
Remarks	Sand/silts removal facilities were installed for the treatment of wastewater at the location of I-2. However, other mitigation measures provided (e.g. sandbags) were found damaged by the heavy rainstorm.

Prepared by: Terence Kong
 Designation: Environmental Team Leader
 Signature: 
 Date: 26-Jul-10

Photographic record for exceedance of Turbidity recorded at Hong Hoi Chee Hong Temple (I-2) on 23-Jul-10



Site photo



Photo taken at I-2




Photo taken at I-2-C

Interim Notifications of Environmental Quality Limits Exceedances

Incident Report on Action Level or Limit Level Non-compliance

Project	Tsuen Wan Drainage Tunnel
Date	23-Jul-10
Time	11:10 AM
Monitoring Location	Squatters (I-3)
Parameter	Turbidity
Action & Limit Levels	3.99 / 4.18
Measured Level	8.79
Possible reason for Action or Limit Level Non-compliance	A high turbidity level of 8.72 is recorded at Control Station (I-3-C).
Actions taken / to be taken	The measured turbidity level was above baseline Limit Level. It was also beyond the range of baseline turbidity concentration (1.41 - 4.23 NTU). Black storm signal was held on 22 July 2010. No construction activity was carried out on the following day. The exceedance is considered by natural variation. No action should be taken as the turbidity result at monitoring station was below the action and limit level of control station.
Remarks	Sand/silts removal facilities were installed for the treatment of wastewater at the location of I-3. However, other mitigation measures provided (e.g. sandbags) were found damaged by the heavy rainstorm.

Prepared by: Terence Kong
 Designation: Environmental Team Leader
 Signature: 
 Date: 26-Jul-10

Photographic record for exceedance of Turbidity recorded at Squatters (I-3) on 23-Jul-10



Site photo



Photo taken at I-3




Photo taken at I-3-C

Interim Notifications of Environmental Quality Limits Exceedances

Incident Report on Action Level or Limit Level Non-compliance

Project	Tsuen Wan Drainage Tunnel
Date	23-Jul-10
Time	9:00 AM
Monitoring Location	Sik Sik Yuen Ho Fung College (I-1)
Parameter	Suspended Solid
Action & Limit Levels	8.85 / 10.17
Measured Level	12.25
Possible reason for Action or Limit Level Non-compliance	SS level of 11.90 is recorded at Control Station (I-1-C).
Actions taken / to be taken	The measured SS level was above baseline Limit Level. It was also beyond the range of baseline SS concentration (1 - 10.5 mg/L). Black storm signal was held on 22 July 2010. No construction activity was carried out on the following day. The exceedance is considered by natural variation and no action should be required.
Remarks	Sand/silts removal facilities were installed for the treatment of wastewater at the location of I-1. However, other mitigation measures provided (e.g. sandbags) were found damaged by the heavy rainstorm.

Prepared by: Terence Kong
 Designation: Environmental Team Leader
 Signature: 
 Date: 30-Jul-10

Photographic record for exceedance of Suspended Solid recorded at Sik Sik Yuen Ho Fung College (I-1) on 23-Jul-10



Site photo



Photo taken at I-1




Photo taken at I-1-C

Interim Notifications of Environmental Quality Limits Exceedances

Incident Report on Action Level or Limit Level Non-compliance

Project	Tsuen Wan Drainage Tunnel
Date	23-Jul-10
Time	10:35 AM
Monitoring Location	Hong Hoi Chee Hong Temple (I-2)
Parameter	Suspended Solid
Action & Limit Levels	7.68 / 8.34
Measured Level	6.35 (higher than 130% of control station's SS)
Possible reason for Action or Limit Level Non-compliance	A low SS level of 4.05 is recorded at Control Station (I-2-C).
Actions taken / to be taken	The measured SS level was below baseline Action / Limit Level and was within the range of baseline SS concentration (1-8.5mg/L). Black storm signal was held on 22 July 2010. No construction activity was carried out on the following day. The exceedance is considered by natural variation and no action should be required.
Remarks	Sand/silts removal facilities were installed for the treatment of wastewater at the location of I-2. However, other mitigation measures provided (e.g. sandbags) were found damaged by the heavy rainstorm.

Prepared by: Terence Kong
 Designation: Environmental Team Leader
 Signature: 
 Date: 30-Jul-10

Photographic record for exceedance of Suspended Solid recorded at Hong Hoi Chee Hong Temple (I-2) on 23-Jul-10



Site photo



Photo taken at I-2



Photo taken at I-2-C

Interim Notifications of Environmental Quality Limits Exceedances

Incident Report on Action Level or Limit Level Non-compliance

Project	Tsuen Wan Drainage Tunnel
Date	11-Aug-10
Time	9:27 AM
Monitoring Location	Squatters (I-3)
Parameter	Suspended Solid
Action & Limit Levels	6.13 / 7.23
Measured Level	3.15 (higher than 130% of control station's SS)
Possible reason for Action or Limit Level Non-compliance	A low SS level of 2.00 is recorded at Control Station (I-3-C)
Actions taken / to be taken	The measured SS level was within the range of baseline SS concentration (1-7.5mg/L). Drilling holes and breaking for spiral ramp excavation; Excavation for PB Wall working platform were undertaken during the measurement. No direct disturbance was observed from the site. Thus, the exceedance is considered not due to works and no action should be required.
Remarks	Following mitigation measures were provided: (1) Waste Water Treatment Plant was in-place to treat the waste water before discharge. (2) Bare slope surface was cover by tarpaulin sheet.

Prepared by: Ken Wong
 Designation: Environmental Team Leader

Signature:



Date: 17-Aug-10

Photographic record for exceedance of Suspended Solid recorded at Squatters (I-3) on 11-Aug-

10



Site photo



Photo taken at I-3



Photo taken at I-3-C

Interim Notifications of Environmental Quality Limits Exceedances

Incident Report on Action Level or Limit Level Non-compliance

Project	Tsuen Wan Drainage Tunnel
Date	16-Aug-10
Time	10:45 AM
Monitoring Location	Sik Sik Yuen Ho Fung College (I-1)
Parameter	Suspended Solid
Action & Limit Levels	8.85 / 10.17
Measured Level	3.35 (higher than 130% of control station's SS)
Possible reason for Action or Limit Level Non-compliance	A low SS level of 2.55 is recorded at Control Station (I-1-C)
Actions taken / to be taken	The measured SS level was below baseline Action/Limit Level and was within the range of baseline SS concentration (1 - 10.5 mg/L). General site cleaning; dismantle HDD area working platform and remove debris and rubbish from spiral ramp shaft; and dismantle and remove drilling rig from HDD working platform were undertaken during the measurement. No direct disturbance was observed from the site. Thus, the exceedance is considered to be contributed by natural variation and no action should be required.
Remarks	Following mitigation measures were provided: (1) Waste Water Treatment Plant was in-place to treat the waste water before discharge; (2) Existing stream has been diverted and banded by sealed concrete block wall.

Prepared by: Ken Wong
 Designation: Environmental Team Leader

Signature:



Date: 23-Aug-10

Photographic record for exceedance of Suspended Solid recorded at Sik Sik Yuen Ho Fung College (I-1) on 16-Aug-10



Site photo



Photo taken at I-1




Photo taken at I-1-C

Interim Notifications of Environmental Quality Limits Exceedances

Incident Report on Action Level or Limit Level Non-compliance

Project	Tsuen Wan Drainage Tunnel
Date	20-Aug-10
Time	10:20 AM
Monitoring Location	Sik Sik Yuen Ho Fung College (I-1)
Parameter	Suspended Solid
Action & Limit Levels	8.85 / 10.17
Measured Level	34.00
Possible reason for Action or Limit Level Non-compliance	SS level of 5.25 is recorded at Control Station (I-1-C)
Actions taken / to be taken	<p>Measured SS level at I-1 on 20 August 2010 was 34.0mg/L and above the limit level. But in-situ turbidity monitoring at I-1 (7.85 NTU) was below the Action/Limit level (9.75/12.47). Site activities included general site cleaning; remove debris and rubbish from Sprial Ramp, Shaft; and dismantle HDD area working platform during the monitoring. The Contractor has provided the wastewater treatment plant for the site effluent before discharge and erected the sealed concrete block wall to separate the existing stream and site works area. No wastewater directly discharge from the site was observed. Exceedance of SS at I-1 on 20 August 2010 was considered not project related. As shallow water at I-1 on 20 August 2010 during collect the water sample. Exceedance of SS on 20 August 2010 was suspected sand grabbed into the container by the site staff during sample collected. We have reminded our site staff to take extra care for collect water sample under shallow water condition and prevent the recurrence of similar incident. No SS exceedance at I-1 (3.55 mg/L) was occurred and below the action/limit level on 23 August 2010.</p>
Remarks	<p>Following mitigation measures were provided: (1) Waste Water Treatment Plant was in-place to treat the waste water before discharge; (2) Existing stream has been diverted and bunded by sealed concrete block wall.</p>

Prepared by: Ken Wong
 Designation: Environmental Team Leader
 Signature: 
 Date: 26-Aug-10

Photographic record for exceedance of Suspended Solid recorded at Sik Sik Yuen Ho Fung College (I-1) on 20-Aug-10



Site photo



Photo taken at I-1



Photo taken at I-1-C

Interim Notifications of Environmental Quality Limits Exceedances

Incident Report on Action Level or Limit Level Non-compliance

Project	Tsuen Wan Drainage Tunnel
Date	03-Sep-10
Time	8:35 AM
Monitoring Location	Sik Sik Yuen Ho Fung College (ASR1)
Parameter	Total Suspended Particle
Action & Limit Levels	306.6/500
Measured Level	351.1 ug/m3 was recorded in the 1st TSP monitoring.
Possible reason for Action or Limit Level Non-compliance	General Site Cleaning; re-erecting façade scaffolding platform at Spiral Ramp Shaft; and erecting formwork for Bay 14 of Spiral Ramp Shaft were observed during the measurement of 1st 1hr TSP monitoring.
Actions taken / to be taken	Contractor was requested to provide water spraying for dust suppression. Water spraying was immediately provided by Contractor. The consequent monitoring results (2nd, 270.6ug/m3 and 3rd, 256.0 ug/m3) were below Action and Limit Level. The recommended dust suppression measures were effective.
Remarks	Following mitigation measures were provided: (1) Water spraying frequency was increased to prevent fugitive dust emission ; (2) Dusty material was properly covered.

Prepared by: Ken Wong

Designation: Environmental Team Leader

Signature:



Date: 14-Sep-10

Photographic record for exceedance of Total Suspended Particle recorded at Sik Sik Yuen Ho Fung College (ASR1) on 03-Sep-10



Site photo



Interim Notifications of Environmental Quality Limits Exceedances

Incident Report on Action Level or Limit Level Non-compliance

Project	Tsuen Wan Drainage Tunnel
Date	10-Sep-10
Time	9:20 AM
Monitoring Location	Squatters (I-3)
Parameter	Turbidity
Action & Limit Levels	3.99 / 4.18
Measured Level	9.52
Possible reason for Action or Limit Level Non-compliance	A high turbidity level of 9.64 is recorded at Control Station (I-3-C). And heavy rainfall was recorded on the same day.
Actions taken / to be taken	The measured turbidity level was above baseline Limit Level. It was also beyond the range of baseline turbidity concentration (1.41 - 4.23 NTU). General Site Cleaning; PB Wall Concreting of Bay 2, 4 & 6; and Rock Breaking for spiral ramp excavation were undertaken during measurement. No direct disturbance was observed from the site and the turbidity result at monitoring station was below the level of control station. Thus, the exceedance is considered to be contributed by natural variation with heavy rainfall (early morning) and no action should be required.
Remarks	Following mitigation measures were provided: 1) Waste Water Treatment Plant was in-place to treat the waste water before discharge; 2) Existing Stream has been diverted and banded by sealed concrete block wall.

Prepared by: Ken Wong
 Designation: Environmental Team Leader

Signature:



Date: 14-Sep-10

Photographic record for exceedance of Turbidity recorded at Squatters (I-3) on 10-Sep-10



Site photo



Photo taken at I-3



Photo taken at I-3C

Interim Notifications of Environmental Quality Limits Exceedances

Incident Report on Action Level or Limit Level Non-compliance

Project	Tsuen Wan Drainage Tunnel
Date	13-Sep-10
Time	10:10 AM
Monitoring Location	Sik Sik Yuen Ho Fung College (I-1)
Parameter	Turbidity
Action & Limit Levels	9.75 / 12.47
Measured Level	10.20
Possible reason for Action or Limit Level Non-compliance	A high turbidity level of 10.60 is recorded at Control Station (I-1-C). Heavy rainfall was recorded on 12 Sep 2010.
Actions taken / to be taken	The measured turbidity level was above baseline Action Level. It was within the range of baseline turbidity concentration (3.13 - 13.15 NTU). General Site Cleaning; steel bracket fixing for planter wall; erecting formwork for Bay 15 & 16 of Spiral Ramp Shaft were undertaken during measurement. No direct disturbance was observed from the site and the turbidity result at monitoring station was below the level of control station. Besides, as advise by the Contractor, rocks and soil were found washed down to the stream from the upstream. Thus, the exceedance is considered to be contributed by natural variation and no action should be required.
Remarks	Following mitigation measures were provided: 1) Waste Water Treatment Plant was in-place to treat the waste water before discharge; 2) Existing Stream has been diverted and bunded by sealed concrete block wall.

Prepared by: Ken Wong
 Designation: Environmental Team Leader

Signature:



Date: 14-Sep-10

Photographic record for exceedance of Turbidity recorded at Sik Sik Yuen Ho Fung College (I-1) on 13-Sep-10



Site photo. As advised by Contractor, rocks and soil were found washed down to the stream from the upstream



Photo taken at I-1



Photo taken at I-1C

Interim Notifications of Environmental Quality Limits Exceedances

Incident Report on Action Level or Limit Level Non-compliance

Project	Tsuen Wan Drainage Tunnel
Date	13-Sep-10
Time	9:35 AM
Monitoring Location	Hong Hoi Chee Hong Temple (I-2)
Parameter	Suspended Solid
Action & Limit Levels	7.68 / 8.34
Measured Level	3.15 (higher than 130% of control station's SS)
Possible reason for Action or Limit Level Non-compliance	A low SS level of 2.00 is recorded at Control Station (I-2-C)
Actions taken / to be taken	The measured SS level was below baseline Action / Limit Level and was within the range of baseline SS concentration (1-8.5mg/L). General site cleaning; Excavation (rock splitting and drilling holes) at Vortex Drop Shaft & Installation of dowel bar; and Excavation (rock splitting and drilling holes) at Man Access Shaft were undertaken during the measurement. No direct disturbance was observed from the site. Thus, the exceedance is considered to be contributed by natural variation and no action should be required.
Remarks	Following mitigation measures were provided: 1) Waste water will be collected to Waste Water Treatment Plant and treat before discharge.

Prepared by: Ken Wong
 Designation: Environmental Team Leader

Signature:



Date: 21-Sep-10

Photographic record for exceedance of Suspended Solid recorded at Hong Hoi Chee Hong Temple (I-2) on 13-Sep-10



Site photo.



Photo taken at I-2



Photo taken at I-2-C