


Interim Notification of Environmental Quality Limit Exceedance

Incident Report on Limit Level Non-compliance

Project	Tsuen Wan Drainage Tunnel
Date	11-Jun-12
Time	4:20 PM
Monitoring Location	Squatters (I-3)
Parameter	Turbidity
Action & Limit Levels (NTU)	3.99 / 4.18
Measured Level (NTU)	4.58
Control Station	I-3-C
Measured Level at the Control Station (NTU)	4.71
Possible reason for Action or Limit Level Non-compliance	The measured turbidity level was higher than the baseline limit level, but lower than the turbidity level of the control station (I-3-C). General site cleaning and housekeeping, shuttering and concreting for precast staircase, drilling holes for rock breaking for main adit (CH10.5-12), mucking out for 80 degree cut slope access road, excavation for 350mm U-channel and excavation for 900mm drainage pipe for access road, erecting scaffold and installing precast staircase for man access shaft (MAS), excavation and concreting formwork for 375mm U-channel for access road, dismantling of internal formwork of deaeration chamber crown, and tree planting at hairpin curve and shrubs planting behind PA wall were undertaken during the monitoring day. No direct disturbance was observed from the site. Therefore, the exceedance was considered to be contributed by high turbidity level at upstream location. Since the exceedance was non-project related, no further action was required.
Actions taken / to be taken	The following mitigation measures were provided on-site during monitoring: (1) wastewater was collected and diverted to waste water treatment plant prior to discharge; and (2) site area and existing stream were separated by sealed concrete block wall.
Remarks	None

Prepared by: Fan Cheong Tsang
 Designation: Environmental Team Leader
 Signature: 
 Date: 12-Jun-12

Photographic record for exceedance of Turbidity recorded at Squatters (I-3) on 11-Jun-12



Photo taken at I-3




Photo of I-3-C

Interim Notification of Environmental Quality Limit Exceedance

Incident Report on Limit Level Non-compliance

Project	Tsuen Wan Drainage Tunnel
Date	13-Jun-12
Time	2:15 PM
Monitoring Location	Hong Hoi Chee Hong Temple (I-2)
Parameter	Turbidity
Action & Limit Levels (NTU)	6.63 / 6.99
Measured Level (NTU)	8.69
Control Station	I-2-C
Measured Level at the Control Station (NTU)	9.00
Possible reason for Action or Limit Level Non-compliance	The measured turbidity level was higher than the baseline limit level, but lower than the turbidity level of the control station (I-2-C). General site cleaning and housekeeping, mucking out and drilling blast holes at main adit (MA), removing lining formwork at upper man access adit, erection of formwork for de-aeration chamber (DC), placing concrete for launch for SM1A at portion G, inserting starter bar at 1500 step channel at portion G, and chipping of defect concrete at SM2 at Portion G were undertaken during the monitoring day. No direct disturbance was observed from the site. Raining was observed on the monitoring day and about 22.5 mm rainfall was recorded by the Hong Kong Observatory on the monitoring day. Therefore, the exceedance was considered to be contributed by heavy rainfall and high turbidity level at upstream location. Since the exceedance was non-project related, no further action was required.
Actions taken / to be taken	The following mitigation measures were provided on-site during monitoring: (1) wastewater was collected and diverted to waste water treatment plant prior to discharge; and (2) existing stream was banded by sealed concrete block wall.
Remarks	None

Prepared by: Fan Cheong Tsang
 Designation: Environmental Team Leader
 Signature: 
 Date: 14-Jun-12

Photographic record for exceedance of Turbidity recorded at Hong Hoi Chee Hong Temple (I-2) on 13-Jun-12



Photo taken at I-2




Photo of I-2-C

Interim Notification of Environmental Quality Limit Exceedance

Incident Report on Action Level Non-compliance

Project	Tsuen Wan Drainage Tunnel
Date	13-Jun-12
Time	2:45 PM
Monitoring Location	Squatters (I-3)
Parameter	Turbidity
Action & Limit Levels (NTU)	3.99 / 4.18
Measured Level (NTU)	4.13
Control Station	I-3-C
Measured Level at the Control Station (NTU)	4.19
Possible reason for Action or Limit Level Non-compliance	The measured turbidity level was higher than the baseline action level, but lower than the turbidity level of the control station (I-3-C). General site cleaning and housekeeping, rock breaking and drilling holes for main adit, excavation for 80 degrees cut slope and excavation for 350mm U-channel, dismantling formwork for precast staircase, erecting scaffold and installing precast staircase at man access shaft, dismantling forwork for deaeration chamber crown, planting shrubs behind PB wall, and excavation, formwork erecting and concreting for 375mm U-channel were undertaken during the monitoring day. No direct disturbance was observed from the site. Raining was observed on the monitoring day and about 22.5 mm rainfall was recorded by the Hong Kong Observatory on the monitoring day. Therefore, the exceedance was considered to be contributed by heavy rainfall and high turbidity level at upstream location. Since the exceedance was non-project related, no further action was required.
Actions taken / to be taken	The following mitigation measures were provided on-site during monitoring: (1) wastewater was collected and diverted to waste water treatment plant prior to discharge; and (2) site area and existing stream were separated by sealed concrete block wall.
Remarks	None

Prepared by: Fan Cheong Tsang
 Designation: Environmental Team Leader
 Signature: 
 Date: 14-Jun-12

Photographic record for exceedance of Turbidity recorded at Squatters (I-3) on 13-Jun-12



Photo taken at I-3




Photo of I-3-C

Interim Notification of Environmental Quality Limit Exceedance

Incident Report on Limit Level Non-compliance

Project	Tsuen Wan Drainage Tunnel
Date	18-Jun-12
Time	1:58 PM
Monitoring Location	Sik Sik Yuen Ho Fung College (I-1)
Parameter	Turbidity
Action & Limit Levels (NTU)	9.75 / 12.47
Measured Level (NTU)	12.99
Control Station	I-1-C
Measured Level at the Control Station (NTU)	13.21
Possible reason for Action or Limit Level Non-compliance	The measured turbidity level was higher than the baseline limit level, but lower than the turbidity level of the control station (I-1-C). General housekeeping and site cleaning were undertaken during the monitoring day. No direct disturbance was observed from the site. Raining was observed on the monitoring day and about 17.7 mm rainfall was recorded by the Hong Kong Observatory on the monitoring day. Therefore, the exceedance was considered to be contributed by heavy rainfall and high turbidity level at upstream location. Since the exceedance was non-project related, no further action was required.
Actions taken / to be taken	The following mitigation measures were provided on-site during monitoring: (1) wastewater was collected to waste water treatment plant for treatment before discharge; and (2) nullah and site area were separated by sealed concrete blocks.
Remarks	None

Prepared by: Fan Cheong Tsang
 Designation: Environmental Team Leader
 Signature: 
 Date: 19-Jun-12

Photographic record for exceedance of Turbidity recorded at Sik Sik Yuen Ho Fung College (I-1) on 18-Jun-12



Photo taken at I-1




Photo of I-1-C

Interim Notification of Environmental Quality Limit Exceedance

Incident Report on Limit Level Non-compliance

Project	Tsuen Wan Drainage Tunnel
Date	18-Jun-12
Time	2:45 PM
Monitoring Location	Squatters (I-3)
Parameter	Turbidity
Action & Limit Levels (NTU)	3.99 / 4.18
Measured Level (NTU)	16.60
Control Station	I-3-C
Measured Level at the Control Station (NTU)	16.48
Possible reason for Action or Limit Level Non-compliance	The measured turbidity level was higher than the baseline limit level, but lower than 120% of the turbidity level of the control station (I-3-C). General site cleaning and housekeeping, rock breaking and drilling holes for main adit, excavation for 80 degrees cut slope, excavation for 350mm U-channel and 900 drainage pipe at access road, erecting internal formwork for vortex draft shaft, shuttering end shutter formwork and rebar fixing at deaeration chamber crown, planting shrubs behind PB Wall, and excavation, formwork erecting and concreting for 375mm U-channel were undertaken during the monitoring day. No direct disturbance was observed from the site. Raining was observed on the monitoring day and about 17.7 mm rainfall was recorded by the Hong Kong Observatory on the monitoring day. Therefore, the exceedance was considered to be contributed by heavy rainfall and high turbidity level at upstream location. Since the exceedance was non-project related, no further action was required.
Actions taken / to be taken	The following mitigation measures were provided on-site during monitoring: (1) wastewater was collected and diverted to waste water treatment plant prior to discharge; and (2) site area and existing stream were separated by sealed concrete block wall.
Remarks	None

Prepared by: Fan Cheong Tsang
 Designation: Environmental Team Leader
 Signature: 
 Date: 19-Jun-12

Photographic record for exceedance of Turbidity recorded at Squatters (I-3) on 18-Jun-12



Photo taken at I-3




Photo of I-3-C

Interim Notification of Environmental Quality Limit Exceedance

Incident Report on Action Level Non-compliance

Project	Tsuen Wan Drainage Tunnel
Date	11-Jun-12
Time	4:20 PM
Monitoring Location	Squatters (I-3)
Parameter	Suspended Solids (SS)
Action & Limit Levels (mg/L)	6.13 / 7.23
Measured Level (mg/L)	6.20
Control Station	I-3-C
Measured Level at the Control Station (mg/L)	6.05
Possible reason for Action or Limit Level Non-compliance	The measured SS level was higher than the baseline action level, but lower than 120% of the SS level of the control station (I-3-C). General site cleaning and housekeeping, shuttering and concreting for precast staircase, drilling holes for rock breaking for main adit (CH10.5-12), mucking out for 80 degrees cut slope access road, excavation for 350mm U-channel and excavation for 900mm drainage pipe for access road, erecting scaffold and installing precast staircase for man access shaft (MAS), excavation and concreting formwork for 375mm U-channel for access road, dismantling of internal formwork of deaeration chamber crown, and tree planting at hairpin curve and shrubs planting behind PA wall were undertaken during the monitoring day. No direct disturbance was observed from the site. Therefore, the exceedance was considered to be contributed by high SS level at upstream location. Since the exceedance was non-project related, no further action was required.
Actions taken / to be taken	The following mitigation measures were provided on-site during monitoring: (1) wastewater was collected and diverted to waste water treatment plant prior to discharge; and (2) site area and existing stream were separated by sealed concrete block wall.
Remarks	None

Prepared by: Fan Cheong Tsang
 Designation: Environmental Team Leader
 Signature: 
 Date: 12-Jun-12

Photographic record for exceedance of Suspended Solids (SS) recorded at Squatters (I-3) on 11-Jun-12



Photo taken at I-3




Photo of I-3-C

Interim Notification of Environmental Quality Limit Exceedance

Incident Report on Action Level Non-compliance

Project	Tsuen Wan Drainage Tunnel
Date	13-Jun-12
Time	2:15 PM
Monitoring Location	Hong Hoi Chee Hong Temple (I-2)
Parameter	Suspended Solids (SS)
Action & Limit Levels (mg/L)	7.68 / 8.34
Measured Level (mg/L)	7.95
Control Station	I-2-C
Measured Level at the Control Station (mg/L)	8.05
Possible reason for Action or Limit Level Non-compliance	The measured SS level was higher than the baseline action level, but lower than the SS level of the control station (I-2-C). General site cleaning and housekeeping, mucking out and drilling blast holes at main adit (MA), removing lining formwork at upper man access adit, erection of formwork for de-aeration chamber (DC), placing concrete for launch for SM1A at portion G, inserting starter bar at 1500 step channel at portion G, and chipping of defect concrete at SM2 at Portion G were undertaken during the monitoring day. No direct disturbance was observed from the site. Raining was observed on the monitoring day and about 22.5 mm rainfall was recorded by the Hong Kong Observatory on the monitoring day. Therefore, the exceedance was considered to be contributed by heavy rainfall and high SS level at upstream location. Since the exceedance was non-project related, no further action was required.
Actions taken / to be taken	The following mitigation measures were provided on-site during monitoring: (1) wastewater was collected and diverted to waste water treatment plant prior to discharge; and (2) existing stream was banded by sealed concrete block wall.
Remarks	None

Prepared by: Fan Cheong Tsang
 Designation: Environmental Team Leader
 Signature: 
 Date: 14-Jun-12

Photographic record for exceedance of Suspended Solids (SS) recorded at Hong Hoi Chee Hong Temple (I-2) on 13-Jun-12



Photo taken at I-2




Photo of I-2-C

Interim Notification of Environmental Quality Limit Exceedance

Incident Report on Limit Level Non-compliance

Project	Tsuen Wan Drainage Tunnel
Date	13-Jun-12
Time	2:45 PM
Monitoring Location	Squatters (I-3)
Parameter	Suspended Solids (SS)
Action & Limit Levels (mg/L)	6.13 / 7.23
Measured Level (mg/L)	3.10
Control Station	I-3-C
Measured Level at the Control Station (mg/L)	2.25
Possible reason for Action or Limit Level Non-compliance	The measured SS level was lower than the baseline action/limit level, but higher than 130% of the SS level of the control station (I-3-C). General site cleaning and housekeeping, rock breaking and drilling holes for main adit, excavation for 80 degrees cut slope and excavation for 350mm U-channel, dismantling formwork for precast staircase, erecting scaffold and installing precast staircase at man access shaft, dismantling forwork for deaeration chamber crown, planting shrubs behind PB wall, and excavation, formwork erecting and concreting for 375mm U-channel were undertaken during the monitoring day. No direct disturbance was observed from the site. Therefore, the exceedance was considered to be contributed by natural variation. Since the exceedance was non-project related, no further action was required.
Actions taken / to be taken	The following mitigation measures were provided on-site during monitoring: (1) wastewater was collected and diverted to waste water treatment plant prior to discharge; and (2) site area and existing stream were separated by sealed concrete block wall.
Remarks	None

Prepared by: Fan Cheong Tsang
 Designation: Environmental Team Leader
 Signature: 
 Date: 14-Jun-12

Photographic record for exceedance of Suspended Solids (SS) recorded at Squatters (I-3) on 13-Jun-12



Photo taken at I-3




Photo of I-3-C

Interim Notification of Environmental Quality Limit Exceedance

Incident Report on Action Level Non-compliance

Project	Tsuen Wan Drainage Tunnel
Date	18-Jun-12
Time	2:45 PM
Monitoring Location	Squatters (I-3)
Parameter	Suspended Solids (SS)
Action & Limit Levels (mg/L)	6.13 / 7.23
Measured Level (mg/L)	7.05
Control Station	I-3-C
Measured Level at the Control Station (mg/L)	6.30
Possible reason for Action or Limit Level Non-compliance	The measured SS level was higher than the baseline action level, but lower than 120% of the SS level of the control station (I-3-C). General site cleaning and housekeeping, rock breaking and drilling holes for main adit, excavation for 80 degrees cut slope, excavation for 350mm U-channel and 900 drainage pipe at access road, erecting internal formwork for vortex draft shaft, shuttering end shutter formwork and rebar fixing at deaeration chamber crown, planting shrubs behind PB Wall, and excavation, formwork erecting and concreting for 375mm U-channel were undertaken during the monitoring day. No direct disturbance was observed from the site. Raining was observed on the monitoring day and about 17.7 mm rainfall was recorded by the Hong Kong Observatory on the monitoring day. Therefore, the exceedance was considered to be contributed by heavy rainfall and high SS level at upstream location. Since the exceedance was non-project related, no further action was required.
Actions taken / to be taken	The following mitigation measures were provided on-site during monitoring: (1) wastewater was collected and diverted to waste water treatment plant prior to discharge; and (2) site area and existing stream were separated by sealed concrete block wall.
Remarks	None

Prepared by: Fan Cheong Tsang
 Designation: Environmental Team Leader
 Signature: 
 Date: 27-Jun-12

Photographic record for exceedance of Suspended Solids (SS) recorded at Squatters (I-3) on 18-Jun-12



Photo taken at I-3




Photo of I-3-C

Interim Notification of Environmental Quality Limit Exceedance

Incident Report on Action Level Non-compliance

Project	Tsuen Wan Drainage Tunnel
Date	20-Jun-12
Time	9:49 AM
Monitoring Location	Hong Hoi Chee Hong Temple (I-2)
Parameter	Suspended Solids (SS)
Action & Limit Levels (mg/L)	7.68 / 8.34
Measured Level (mg/L)	3.30
Control Station	I-2-C
Measured Level at the Control Station (mg/L)	2.55
Possible reason for Action or Limit Level Non-compliance	The measured SS level was lower than the baseline action/limit level, but higher than 120% of the SS level of the control station (I-2-C). General site cleaning and housekeeping, curing and removing formwork for Wall A at de-aeration chamber (DC), fixing rebar for Wall B and Wall C of DC, formwork shuttering for Wall C of DC, drilling holes for wall-tie at Wall B and Wall C of DC, grouting to tie-rods at Wall B and Wall C of DC, excavation and mucking out to bottom level of base slab at upper man access shaft (UMAS), erecting formwork for Wall C of DC, cutting and bending rebar for side wall of DC & UMAS, erecting formwork for modification of 1500mm step-channel (SC) outlet at portion G, and formwork shuttering for SM1A at portion G were undertaken during the monitoring day. No direct disturbance was observed from the site. Therefore, the exceedance was considered to be contributed by natural variation. Since the exceedance was non-project related, no further action was required.
Actions taken / to be taken	The following mitigation measures were provided on-site during monitoring: (1) wastewater was collected and diverted to waste water treatment plant prior to discharge; and (2) existing stream was banded by sealed concrete block wall.
Remarks	None

Prepared by: Fan Cheong Tsang
 Designation: Environmental Team Leader
 Signature: 
 Date: 27-Jun-12

Photographic record for exceedance of Suspended Solids (SS) recorded at Hong Hoi Chee Hong Temple (I-2) on 20-Jun-12



Photo taken at I-2




Photo of I-2-C

Interim Notification of Environmental Quality Limit Exceedance

Incident Report on Limit Level Non-compliance

Project	Tsuen Wan Drainage Tunnel
Date	22-Jun-12
Time	4:25 PM
Monitoring Location	Squatters (I-3)
Parameter	Turbidity
Action & Limit Levels (NTU)	3.99 / 4.18
Measured Level (NTU)	15.87
Control Station	I-3-C
Measured Level at the Control Station (NTU)	16.16
Possible reason for Action or Limit Level Non-compliance	The measured turbidity level was higher than the baseline limit level, but lower than the turbidity level of the control station (I-3-C). General site cleaning and housekeeping, mucking out for 80 degrees cut slope, excavation for 350mm U-channel and 900mm drainage pipe at access road, installation of internal formwork and modification of scaffold for vortex drop shaft (VDS), excavating, erecting formwork and concreting for 375mm U-channel at internal curve, concreting at de-aeration chamber (DAC) base slab, and planting and planting shrubs at PA Wall and behind PB Wall were undertaken during the monitoring day. No direct disturbance was observed from the site. Raining was observed on the monitoring day and about 16.0 mm rainfall was recorded by the Hong Kong Observatory on the monitoring day. Therefore, the exceedance was considered to be contributed by heavy rainfall and high turbidity level at upstream location. Since the exceedance was non-project related, no further action was required.
Actions taken / to be taken	The following mitigation measures were provided on-site during monitoring: (1) wastewater was collected and diverted to waste water treatment plant prior to discharge; and (2) site area and existing stream were separated by sealed concrete block wall.
Remarks	None

Prepared by: Fan Cheong Tsang
 Designation: Environmental Team Leader
 Signature: 
 Date: 25-Jun-12

Photographic record for exceedance of Turbidity recorded at Squatters (I-3) on 22-Jun-12



Photo taken at I-3




Photo of I-3-C

Interim Notification of Environmental Quality Limit Exceedance

Incident Report on Action Level Non-compliance

Project	Tsuen Wan Drainage Tunnel
Date	22-Jun-12
Time	4:25 PM
Monitoring Location	Squatters (I-3)
Parameter	Suspended Solids (SS)
Action & Limit Levels (mg/L)	6.13 / 7.23
Measured Level (mg/L)	6.60
Control Station	I-3-C
Measured Level at the Control Station (mg/L)	5.65
Possible reason for Action or Limit Level Non-compliance	The measured SS level was higher than the baseline action level, but lower than 120% of the SS level of the control station (I-3-C). General site cleaning and housekeeping, mucking out for 80 degrees cut slope, excavation for 350mm U-channel and 900mm drainage pipe at access road, installation of internal formwork and modification of scaffold for vortex drop shaft (VDS), excavating, erecting formwork and concreting for 375mm U-channel at internal curve, concreting at de-aeration chamber (DAC) base slab, and planting and planting shrubs at PA Wall and behind PB Wall were undertaken during the monitoring day. No direct disturbance was observed from the site. Raining was observed on the monitoring day and about 16.0 mm rainfall was recorded by the Hong Kong Observatory on the monitoring day. Therefore, the exceedance was considered to be contributed by heavy rainfall and high SS level at upstream location. Since the exceedance was non-project related, no further action was required.
Actions taken / to be taken	The following mitigation measures were provided on-site during monitoring: (1) wastewater was collected and diverted to waste water treatment plant prior to discharge; and (2) site area and existing stream were separated by sealed concrete block wall.
Remarks	None

Prepared by: Fan Cheong Tsang
 Designation: Environmental Team Leader
 Signature: 
 Date: 29-Jun-12

Photographic record for exceedance of Suspended Solids (SS) recorded at Squatters (I-3) on 22-Jun-12



Photo taken at I-3



Photo of I-3-C