Interim Notification of Environmental Quality Limit Exceedance

Incident Report on Limit Level Non-compliance

Project	Tsuen Wan Drainage Tunnel
Date	06-Apr-11
Time	10:25 AM
Monitoring Location	Sik Sik Yuen Ho Fung College (I-1)
Parameter	Suspended Solids
Action & Limit Levels (mg/L)	8.85 / 10.17
Measured Level (mg/L)	10.95
Possible reason for Action or Limit Level Non-compliance	A high SS level of 10.60 mg/L was recorded at Control Station (I-1-C)
Actions taken / to be taken	The measured SS level was above the baseline limit level, but lower than 120% of SS level of the control station (I-1-C). General site cleaning, rebar fixing at cascade bay 1, dismantling of formwork at vehicle access, removal of hoarding and masonry wall and geotechnical instrumentation monitoring were undertaken during the measurement. No direct disturbance was observed from the site. Thus, the exceedance was considered to be contributed by high SS level at upstream location and natural variation. Therefore, no action was required.
Remarks	Following mitigation measures were provided: (1) Waste water was collected and diverted to on-site waste water treatment plant for treatment before discharge; and (2) Nullah and site area were separated by sealed concrete block.

Prepared by: Fan Cheong Tsang

Designation: Environmental Team Leader

Signature: 

Date: 12-Apr-11

Photographic record for exceedance of Suspended Solids recorded at Sik Sik Yuen Ho Fung College (I-1) on 06-Apr-11

Site photo

Photo taken at I-1

Photo taken at I-1-C

Interim Notification of Environmental Quality Limit Exceedance

Incident Report on Action Level Non-compliance

Project	Tsuen Wan Drainage Tunnel
Date	08-Apr-11
Time	2:37 PM
Monitoring Location	Sik Sik Yuen Ho Fung College (I-1)
Parameter	Suspended Solids
Action & Limit Levels (mg/L)	8.85 / 10.17
Measured Level (mg/L)	9.45
Possible reason for Action or Limit Level Non-compliance	A high SS level of 10.00 mg/L was recorded at Control Station (I-1-C)
Actions taken / to be taken	The measured SS level was above the baseline action level, but lower than the SS level of the control station (I-1-C). General site cleaning, rebar fixing at cascade bay 3, formwork prepaing, removal of masonry wall, pipe roof corning drilling and geotechnical instrumentation monitoring were undertaken during the measurement. No direct disturbance was observed from the site. Thus, the exceedance was considered to be contributed by high SS level of the upstream location and natural variation. Therefore, no action was required.
Remarks	The following mitigation measures were provided: (1) Waste water was collected and diverted to waste water treatment plant for treatment before discharge; (2) Nullah and site area were separated by sealed concrete block.

Prepared by: Fan Cheong Tsang

Designation: Environmental Team Leader

Signature: 

Date: 18-Apr-11

Photographic record for exceedance of Suspended Solids recorded at Sik Sik Yuen Ho Fung College (I-1) on 08-Apr-11

Site photo

Photo taken at I-1

Photo taken at I-1-C

Interim Notification of Environmental Quality Limit Exceedance

Incident Report on Action Level Non-compliance

Project	Tsuen Wan Drainage Tunnel
Date	08-Apr-11
Time	9:12 AM
Monitoring Location	O-1(FT)
Parameter	Suspended Solids (SS)
Action & Limit Levels (mg/L)	14.10 / 18.08 (derived from the baseline monitoring data)
Measured Level (depth-averaged) at Monitoring Location	5.35
Control Station	O-1-C(FT)
Measured Level (depth averaged) at Control Station (mg/L)	4.20
Possible reason for Action or Limit Level Non-compliance	The measured SS level (depth-averaged) at O-1(FT) was below the baseline action/limit level but was higher than 120% of the control station's SS level (O-1-C(FT)) at the same tide of the same day. Only laying non-woven geo-textile and backfilling grade 200 rockfill behind installed seawall blocks were undertaken and there was no other marine works during monitoring. Silt curtain was deployed along the Portion E boundary line and extended from seawater level to seabed. Floating type silt curtain was also employed at the inner side. As such, the exceedance was considered to be contributed by natural variation and no further action was required.
Actions taken / to be taken	(1) Silt curtain had been provided along the Portion E boundary line and extended from seawater level to the bottom of seabed; (2) Floating type silt curtain had been employed at the inner side; (3) Sufficient slack of silt curtain was allowed to cope with the wave and tidal action to ensure the curtains (outer and inner) were rested on seabed; (4) condition of silt curtain was checked by the supervisor daily; (5) and seawall blocks installation was undertaken within the inner silt curtain area only.
Remarks	None

Prepared by: F. C. Tsang

Designation: Environmental Team Leader

Signature:

Date: 18-Apr-11

Photographic record for exceedance of Suspended Solids (SS) recorded at O-1(FT) on 08-Apr-11

Site photo

Interim Notification of Environmental Quality Limit Exceedance

Incident Report on Action Level Non-compliance

Project	Tsuen Wan Drainage Tunnel
Date	11-Apr-11
Time	10:20 AM
Monitoring Location	O-1(FT)
Parameter	Suspended Solids (SS)
Action & Limit Levels (mg/L)	14.10 / 18.08 (derived from the baseline monitoring data)
Measured Level (depth-averaged) at Monitoring Location	5.27
Control Station	O-1-C(FT)
Measured Level (depth averaged) at Control Station (mg/L)	4.27
Possible reason for Action or Limit Level Non-compliance	The measured SS level (depth-averaged) at O-1(FT) was below the baseline action/limit level but was higher than 120% of the control station's SS level (O-1-C(FT)) at the same tide of the same day. Only installation of temporary concrete blocks and placing leveling stone were undertaken and there was no other marine works during monitoring. Silt curtain was deployed along the Portion E boundary line and extended from seawater level to seabed. Floating type silt curtain was also employed at the inner side. As such, the exceedance was considered to be contributed by natural variation and no further action was required.
Actions taken / to be taken	(1) Silt curtain had been provided along the Portion E boundary line and extended from seawater level to the bottom of seabed; (2) Floating type silt curtain had been employed at the inner side; (3) Sufficient slack of silt curtain was allowed to cope with the wave and tidal action to ensure the curtains (outer and inner) were rested on seabed; (4) condition of silt curtain was checked by the supervisor daily; (5) and seawall blocks installation was undertaken within the inner silt curtain area only.
Remarks	None

Prepared by: F. C. Tsang

Designation: Environmental Team Leader

Signature:

Date: 18-Apr-11

Photographic record for exceedance of Suspended Solids (SS) recorded at O-1(FT) on 11-Apr-11

Site photo

Interim Notification of Environmental Quality Limit Exceedance

Incident Report on Action Level Non-compliance

Project	Tsuen Wan Drainage Tunnel
Date	13-Apr-11
Time	2:33 PM
Monitoring Location	O-1(FT)
Parameter	Suspended Solids (SS)
Action & Limit Levels (mg/L)	14.10 / 18.08 (derived from the baseline monitoring data)
Measured Level (depth-averaged) at Monitoring Location	3.90
Control Station	O-1-C(FT)
Measured Level (depth averaged) at Control Station (mg/L)	3.03
Possible reason for Action or Limit Level Non-compliance	The measured SS level (depth-averaged) at O-1(FT) was below the baseline action/limit level but was higher than 120% of the control station's SS level (O-1-C(FT)) at the same tide of the same day. Only installation of bagged concrete for seawall formation was undertaken and there was no other marine works during monitoring. Silt curtain was deployed along the Portion E boundary line and extended from seawater level to seabed. Floating type silt curtain was also employed at the inner side. As such, the exceedance was considered to be contributed by natural variation and no further action was required.
Actions taken / to be taken	(1) Silt curtain had been provided along the Portion E boundary line and extended from seawater level to the bottom of seabed; (2) floating type silt curtain had been employed at the inner side; (3) sufficient slack of silt curtain was allowed to cope with the wave and tidal action to ensure the curtains (outer and inner) were rested on seabed; (4) condition of silt curtain was checked by the supervisor daily; (5) and seawall blocks installation was undertaken within the inner silt curtain area only.
Remarks	None

Prepared by: F. C. Tsang

Designation: Environmental Team Leader

Signature:

Date: 20-Apr-11

Photographic record for exceedance of Suspended Solids (SS) recorded at O-1(FT) on 13-Apr-11

Site photo

Interim Notification of Environmental Quality Limit Exceedance

Incident Report on Action Level Non-compliance

Project	Tsuen Wan Drainage Tunnel
Date	18-Apr-11
Time	9:20 AM
Monitoring Location	Sik Sik Yuen Ho Fung College (I-1)
Parameter	Suspended Solids
Action & Limit Levels (mg/L)	8.85 / 10.17
Measured Level (mg/L)	2.70
Possible reason for Action or Limit Level Non-compliance	A low SS level of 2.10 mg/L was recorded at Control Station (I-1-C)
Actions taken / to be taken	The measured SS level was below the baseline action level, but higher than 120% of SS level of the control station (I-1-C). General site cleaning, formwork at Cascade Bay 3 and 4, construction of H-pile platform, pipe roof drilling and geotechnical instrumentation monitoring were undertaken during the measurement. No direct disturbance was observed from the site. Thus, the exceedance was considered to be contributed by natural variation and no action was required.
Remarks	The following mitigation measures were provided: (1) Waste water was collected and diverted to waste water treatment plant for treatment before discharge; (2) Nullah and site area were separated by sealed concrete block.

Prepared by: Fan Cheong Tsang

Designation: Environmental Team Leader

Signature: 

Date: 29-Apr-11

Photographic record for exceedance of Suspended Solids recorded at Sik Sik Yuen Ho Fung College (I-1) on 18-Apr-11

Site photo

Photo taken at I-1

Photo taken at I-1-C