

JOB NO.: TCS00371/07

REVISION NO.: 2

DRAINAGE SERVICES DEPARTMENT (DSD)

CONTRACT NO. DC/2006/02

**YUEN LONG, KAM TIN, NGAU TAM MEI AND TIN SHUI
WAI DRAINAGE IMPROVEMENTS, STAGE 1, PHASE
2B – CHEUNG CHUN SAN TSUEN AND KAM TSIN WAI**

**KT15 Quarterly EM&A Summary Report – 26th
June 2008 to 25th September 2008**

PREPARED FOR

CHIT CHEUNG CONSTRUCTION COMPANY LIMITED

Quality Index

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Rev. No.	Date	Certified By	Remarks
1	17 Oct 2008	Ken Wong	First Submission
2	23 Oct 2008	Ken Wong	Response to IEC's comments

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TABLE OF CONTENTS

1.0	INTRODUCTION.....	1
2.0	PROJECT ORGANIZATION AND CONSTRUCTION PROGRESS	2
3.0	SUMMARY OF IMPACT MONITORING REQUIREMENTS	3
4.0	IMPACT MONITORING METHDOLOGY	5
5.0	IMPACT MONITORING IN THIS REPORTING QUARTER.....	6
6.0	WASTE MANAGEMENT	8
7.0	SITE INSPECTION.....	9
8.0	ENVIRONMENTAL COMPLAINT AND NON-COMPLIANCE	10
9.0	IMPLEMENTATION STATUS OF MITIGATION MEASURES.....	11
10.0	CONCLUSION	12

LIST OF TABLES

TABLE 2-1	MAJOR CONSTRUCTION ACTIVITIES IN THE REPORTING QUARTER
TABLE 2-2	STATUS OF ENVIRONMENTAL LICENSE AND PERMITS
TABLE 3-1	SUMMARY OF EM&A REQUIREMENTS
TABLE 3-2	ACTION AND LIMIT LEVELS FOR AIR QUALITY MONITORING
TABLE 3-3	ACTION AND LIMIT LEVELS FOR CONSTRUCTION NOISE MONITORING
TABLE 3-4	ACTION AND LIMIT LEVELS FOR STREAM WATER QUALITY MONITORING
TABLE 3-5	ACTION AND LIMIT LEVELS FOR ECOLOGY MONITORING
TABLE 4-1	AIR QUALITY, NOISE AND STREAM WATER QUALITY MONITORING STATION/LOCATIONS
TABLE 5-1	SUMMARY OF EXCEEDANCES IN ECOLOGY IMPACT MONITORING
TABLE 6-1	SUMMARY OF QUANTITIES OF INERT C&D MATERIALS
TABLE 6-2	SUMMARY OF QUANTITIES OF C&D WASTES
TABLE 6-3	SUMMARY OF EXCAVATED SOIL FOR MARINE DISPOSAL
TABLE 7-1	DATE OF ENVIRONMENTAL WEEKLY SITE INSPECTION AND MONTHLY AUDIT
TABLE 8-1	STATISTICAL SUMMARY OF ENVIRONMENTAL COMPLAINTS
TABLE 8-2	STATISTICAL SUMMARY OF ENVIRONMENTAL SUMMONS
TABLE 8-3	STATISTICAL SUMMARY OF ENVIRONMENTAL PROSECUTION
TABLE 10-1	SUMMARY OF THE EXCEEDANCES FOR IMPACT MONITORING

LIST OF APPENDICES

APPENDIX A	PROJECT SITE LAYOUT
APPENDIX B	ENVIRONMENTAL ORGANISATION STRUCTURE
APPENDIX C	LOCATIONS OF DESIGNATED MONITORING STATION/LOCATIONS/AREA
APPENDIX D	GRAPHICAL PLOTS OF AIR QUALITY, NOISE AND STREAM WATER QUALITY MONITORING RESULTS
APPENDIX E	METEOROLOGICAL DATA IN THE REPORTING QUARTER
APPENDIX F	RESPONSE TO COMMENTS

EXECUTIVE SUMMARY

- ES01. Chit Cheung Construction Company Limited (CCC) has been awarded the Drainage Services Department (DSD) Contract No. DC/2006/02 Yuen Long, Kam Tin, Ngau Tam Mei and Tin Shui Wai Drainage Improvements, Stage 1, Phase 2B – Cheung Chun San Tsuen and Kam Tsin Wai (hereinafter “the Project”) on 03 April 2007. According to the contract specification requirements an Environmental Monitoring & Audit program to be implemented by an Independent Environmental Team (ET) throughout the major construction period.
- ES02. Under the Project Profile for Yuen Long, Kam Tin, Ngau Tam Mei and Tin Shui Wai, Drainage Improvement Stage 1 Phase 2B – Kam Tin Secondary Drainage Channels KT14 & KT15 (Ref.: 382047/E/PP/Issue 5), KT14 & KT15 was defined as Designated Project and governed by Environmental Permit (EP-231/2005/A).
- ES03. Action-United Environmental Services and Consulting (AUES) has been commissioned by CCC as an Independent Environmental Team (ET) to implement the EM&A program in compliance with the requirements as stated in the Environmental Permit (EP-231/2005/A) and Environmental Monitoring & Audit Manual (EM&A Manual) for Secondary Channel KT14 & KT15 (August 2005). For this Contract (DC/2006/02) only covered KT15 and KT14 will carried out under other contract.
- ES04. This is the 5th Quarterly Environmental Monitoring & Audit (EM&A) Summary Report for **July 2008 to September 2008** reporting the monitoring results and audit findings under the project EM&A program for the reporting quarter from **26 June 2008 to 25 September 2008**.

BREACH OF ACTION AND LIMIT (AL) LEVELS

- ES05. Exceedance of the stream water and ecology monitoring also recorded in this reporting period. Dated and exceedances parameter are summaries as following table.

Monitoring	Parameters	Action Level	Limit Level
Air Quality	1-Hour TSP	-	-
	24-Hour TSP	-	-
Noise	Leq (30min) Daytime	-	-
Stream Water	Dissolve Oxygen (DO)	-	-
	Suspended Solids (SS)	-	02 Sep 08
	Turbidity (NTU)	-	02 Sep 08
	pH	-	-
	Ammonia Nitrogen	-	-
Ecology	Zinc	-	-
	Number of species of wetland birds	-	24 July, 25Aug and 22 Sep 08
	Total number of wetland birds	-	25 Aug 08
	Number of species of wetland fauna	24 July 08	-
	Total number of wetland fauna	-	24 July 08

COMPLAINTS LOG

- ES06. No environmental complaint was received in this reporting quarter.

NOTIFICATIONS OF ANY SUMMONS AND SUCCESSFUL PROSECUTIONS

- ES07. There was no environmental summons or successful prosecution was recorded in this reporting quarter.

REPORTING CHANGES

ES08. There are no changes to be reported in this reporting quarter.

CONSTRUCTION ACTIVITIES IN THE REPORTING QUARTER

ES09. Construction activities in the reporting quarter (26 June 2008 – 25 September 2008) are listed in the following table:-

Reporting Period	Construction Activities
26 June 2008 – 25 July 2008	<ul style="list-style-type: none"> • Construction and excavation works; • Dumping activities; • Sheet pile driving; • Tree protection and tree transplanting works; • Utilities companies liaison; • Carrying out joined survey; • Gabion Installation; and • Marine dumping of Type 2 contaminated material
26 July 2008 – 25 August 2008	<ul style="list-style-type: none"> • Construction and excavation works; • Dumping activities; • Sheet pile driving; • Tree protection and tree transplanting works; • Utilities companies liaison; • Carrying out joined survey; and • Gabion Installation
26 August – 25 September 2008	<ul style="list-style-type: none"> • Construction and excavation works; • Dumping activities; • Sheet pile driving; • Tree protection and tree transplanting works; • Utilities companies liaison; • Carrying out joined survey; and • Gabion Installation

ES10. Potential environmental impacts for this project generally include air quality, noise, ecology, surface runoff and construction waste. The contractor shall properly implement the required environmental mitigation measures as per the Implementation Schedule in the EM&A manual to ensure no significant adverse environmental impact arises from the construction works. The contractor was reminded to provide adequate surface runoff control especially in rainy season and maintain good house-keeping throughout the construction phase.

EM&A ACTIVITIES IN THE REPORTING QUARTER

ES11. A summary of the monitoring activities in this reporting quarter is listed below:

• 1-Hour TSP Monitoring	45	Events
• 24-Hour TSP Monitoring	16	Events
• Noise Monitoring	15	Events
• Stream Water Quality	50	Events
• Ecology (Fauna)	3	Event
• Site Inspection Audit	14	Times

AIR QUALITY

ES12. No Action or Limit Level of 1-Hour and 24-Hour TSP exceedance was recorded in this reporting quarter.

CONSTRUCTION NOISE

ES13. No exceedance in construction noise measurements was recorded and no construction noise complaint was received in this reporting quarter.

STREAM WATER QUALITY

ES14. Monitoring on 06 August 2008 was cancelled due to Tropical cyclone warning signals No. 8. Heavy rainfall at Kam Tin area was recorded on 07 August 2008, stream water monitoring cannot restore due to safety reason. Only one monitoring was undertaken from 03 to 09 August 2008. Tropical cyclone (Hagupit), heavy rainfall and thunderstorm warning at Kam Tin area was recorded on 23 September 2008, the scheduled stream water monitoring on 23 September 2008 cannot restore due to safety reason. The stream water quality monitoring was rescheduled on 24 September 2008. One Turbidity and SS exceeded the Limit Level at W9B on 02 September 2008 was recorded.

ECOLOGY (FAUNA)

ES15. Non-compliance with the ecological criteria was found during the reporting quarter (24 July, 25 August and 22 September 2008). No intrusions of construction activities into the wetland areas nor adverse impact was observed. Based on the findings in the pervious monthly monitoring, the non-compliance in wetland dependent bird and fauna was not caused by the project.

SUMMARY OF MONITORING EXCEEDANCES

ES16. A summary of monitoring exceedances in this reporting quarter of air quality, noise, stream water quality and ecology (fauna) monitoring are presented below:

Env. Quality	Parameters	Work-Related Exceedance %	Investigation & Corrective Actions
Air Quality	1-Hour TSP	0	Not Required for 0% Exceedance
	24-Hour TSP	0	Not Required for 0% Exceedance
Noise	Leq (30min) Daytime	0	Not Required for 0% Exceedance
Stream Water	Dissolve Oxygen (DO)	0	Not Required for 0% Exceedance
	Suspended Solids (SS)	0	Not Required for 0% Exceedance
	Turbidity (NTU)	0	Not Required for 0% Exceedance
	pH	0	Not Required for 0% Exceedance
	Ammonia Nitrogen	0	Not Required for 0% Exceedance
	Zinc	0	Not Required for 0% Exceedance
Ecology	Decrease in the total number of species or individuals of wetland dependent bird from baseline	0	Not Required for 0% Exceedance
	Decrease in the total number of species or individuals of wetland faunal from baseline	NA	Monitoring not required for August and September 2008 in this reporting quarter

SITE INSPECTION BY EXTERNAL PARTIES

ES17. No site inspection was undertaken by external parties in this reporting period.

1.0 INTRODUCTION

- 1.01 Chit Cheung Construction Company Limited (CCC) has been awarded the Drainage Services Department (DSD) Contract No. DC/2006/02 Yuen Long, Kam Tin, Ngau Tam Mei and Tin Shui Wai Drainage Improvements, Stage 1, Phase 2B – Cheung Chun San Tsuen and Kam Tsin Wai (hereinafter “the Project”) on 03 April 2007. According to the contract specification requirements the Project should implemented an Environmental Monitoring & Audit (EM&A) program by an Independent Environmental Team (ET) throughout the construction period in compliance with the requirements as stated in the project particular specification, Environmental Permit (EP-231/2005/A) and EM&A Manual for KT15. The location of the project site is presented in **Appendix A** and the construction program is presented in pervious monthly EM&A reports.
- 1.02 The works to be executed at the propose drainage Channel KT15 mainly comprise the following:
- Construction of about 0.8 km secondary drainage channels;
 - Construction of DSD maintenances access;
 - Provisioning and re-provisioning of pedestrian crossings;
 - Associated ancillary works; and
 - Construction of temporary vehicular access in Portion 5A1 of the site for vehicular access from Kam Sheung Road to Lot Nos. 398RP, 395 in DD106 which are adjacent to the site.
- 1.03 Action-United Environmental Services and Consulting (AUES) has been commissioned by CCC as an Independent Environmental Team (ET) for implementation of the EM&A program in accordance with the requirements as set out in the contract particular specification, Environmental Permit (EP-231/2005/A), EM&A Manual for KT15 and the Environment Impact Assessment Ordinance (EIAO).
- 1.04 This report summaries the monitoring results and inspection findings for the reporting quarter **July 2008 to September 2008** during the period from **26 June 2008 to 25 September 2008** under the project EM&A program.

REPORT STRUCTURE

- 1.05 The Quarterly EM&A Summary Report is structured into the following sections:

SECTION 1	INTRODUCTION
SECTION 2	PROJECT ORGANIZATION AND CONSTRUCTION PROGRESS
SECTION 3	SUMMARY OF MONITORING REQUIREMENTS
SECTION 4	IMPACT MONITORING METHODOLOGY
SECTION 5	IMPACT MONITORING RESULTS
SECTION 6	WASTE MANAGEMENT
SECTION 7	SITE INSPECTION
SECTION 8	ENVIRONMENTAL COMPLAINT AND NON-COMPLIANCE
SECTION 9	IMPLEMENTATION STATUS OF MITIGATION MEASURES
SECTION 10	CONCLUSIONS

2.0 PROJECT ORGANIZATION AND CONSTRUCTION PROGRESS

PROJECT ORGANIZATION AND MANAGEMENT STRUCTURE

- 2.01 The organization chart and lines of communication with respect to the on-site environmental management and monitoring program are shown in **Appendix B**.

CONSTRUCTION PROGRESS

- 2.02 The major construction activities undertaken in this reporting quarter were summaries in **Table 2-1**.

Table 2-1 Major Construction Activities in the Reporting Quarter

Reporting Period	Construction Activities
26 June 2008 – 25 July 2008	<ul style="list-style-type: none"> • Construction and excavation works; • Dumping activities; • Sheet pile driving; • Tree protection and tree transplanting works; • Utilities companies liaison; • Carrying out joined survey; • Gabion Installation; and • Marine dumping of Type 2 contaminated material
26 July 2008 – 25 August 2008	<ul style="list-style-type: none"> • Construction and excavation works; • Dumping activities; • Sheet pile driving; • Tree protection and tree transplanting works; • Utilities companies liaison; • Carrying out joined survey; and • Gabion Installation
26 August – 25 September 2008	<ul style="list-style-type: none"> • Construction and excavation works; • Dumping activities; • Sheet pile driving; • Tree protection and tree transplanting works; • Utilities companies liaison; • Carrying out joined survey; and • Gabion Installation

SUMMARY OF ENVIRONMENTAL SUBMISSIONS

- 2.03 A summary of the relevant permits, licences, and/or notifications on environmental protection for this Project in this reporting quarter are presented in **Table 2-2**.

Table 2-2 Status of Environmental Licenses and Permits

Item	Item Description	License/Permits Status
1	Environmental Permit (EP-231/2005/A)	-
2	Air Pollution Control (Construction Dust)	Notified EPD on 09 July 2007
3	Chemical Waste Producer Registration WPN:5296-519-C3430-01 (Portion 8, Ma Fung Ling Road, Tong Yan San Tsuen, Yuen Long)	Registration on 20 April 2007
4	Chemical Waste Producer Registration WPN:5113-533-C3434-09 (Kam Tsin Wai, Kam Tin, Yuen Long)	Registration on 20 April 2007
5	Chemical Waste Producer Registration WPN:5213-424-C3431-01 (Portion 7, Birthing Area, Hoi Wan Road, Tuen Mun)	Registration on 20 April 2007
6	Water Pollution Control Ordinance (Discharge License) License No.: 1U450/1	Obtained on 20 July 2007
7	Billing Account for Disposal of Construction Waste (Account Number : 7005311)	Valid on 07 May 2007
8	Type 1 (Open Sea Disposal) Marine Dumping Permit (EP/MD/09-011)	04 Jul 08 – 03 Jan 09
9	Type 2 (Confined Marine Disposal) Marine Dumping Permit (EP/MD/09-012)	04 Jul 08 – 03 Aug 08

3.0 SUMMARY OF IMPACT MONITORING REQUIREMENTS

- 3.01 Environmental monitoring and audit requirements are set out in the EM&A Manual. Air quality, construction noise, stream water quality and ecology have been identified to be the key environmental issues during the construction phase of the project.
- 3.02 A summary of the EM&A requirements for air quality, construction noise, stream water quality and ecology monitoring are shown in **Table 3-1**. The designated station of the air quality, construction noise, stream water quality locations and ecology monitoring area are shown in **Appendix C**.

Table 3-1 Summary of EM&A Requirements

Environmental Aspect	Monitoring Parameters		Monitoring Stations
Air Quality	1-Hour and 24-Hour TSP		A10
Construction Noise	Leq _(30min) during normal working hours		N10a*
	Supplementary data of L ₁₀ and L ₉₀ for reference.		
Stream Water Quality	In Situ Measurement	• Dissolved Oxygen Concentration (mg/L);	W9A & W9B
		• Dissolved Oxygen Saturation (% Sat);	
		• Turbidity (NTU);	
Laboratory Analysis	• pH;		
	• Salinity (%); Water Depth (m) and		
	• Temperature (°C).		
Ecology	Laboratory Analysis	• Suspended Solids (mg/L);	
		• Ammonia Nitrogen (mg/L); and	
		• Zinc (µg/L).	
Ecology	<ul style="list-style-type: none"> • Monthly monitoring of construction activities adjacent to the wetland areas to identify any intrusions of construction activities into the wetland areas; • Monthly monitoring of wetland areas themselves to check that there is no adverse impact on the wetlands as a consequence of changes to the water table that are attributable to the project, if any; • Photographic records at six-month intervals; and • Monthly surveys of fauna in the wetland areas during the wet season (April to July inclusive) for reptiles, amphibians, dragonflies, and butterflies, and throughout the year for birds. 		

Note: * The noise ambient condition within the victim area without significant change. Due to the accessibility, noise monitoring will undertake at N10a. Once the access is available, the impact noise monitoring will undertake at N10.

- 3.03 Air monitoring is carried out once every six days for 24-Hour TSP and 3 times every six days for 1-Hour TSP at one designated monitoring station A10.
- 3.04 Noise monitoring is conducted once per week at one designated monitoring location (N10a). Measurements of Leq_(30min) shall be taken between 0700 and 1900 with supplementary L₁₀ and L₉₀ data will be collected for reference.
- 3.05 Stream water quality monitoring is conducted were undertaken at two location W9A & W9B twice per week. Dissolved Oxygen (DO), pH, Turbidity (NTU) were measured in-situ, water depth, temperature and salinity will be collected for relevant data. Suspended Solids (SS), Ammonia Nitrogen and Zinc were determined in a HOKLAS accredited laboratory respectively.
- 3.06 Ecological monitoring is conducted in the seasonal wetland area as shown in Project profile of KT15 Figure ATT 4-7.2). Bird survey should be conducted in monthly and other faunal groups (reptiles, amphibians, dragonflies and butterflies) are conducted in wet season (April to July inclusive).

3.07 A summary of the Action/Limit (A/L) Levels for air quality, construction noise, stream water quality and ecology are shown in Tables 3-2, 3-3, 3-4 and 3-5.

Table 3-2 Action and Limit Levels for Air Quality Monitoring

Monitoring Station	Action Level ($\mu\text{g}/\text{m}^3$)		Limit Level ($\mu\text{g}/\text{m}^3$)	
	1-Hour TSP	24-Hour TSP	1-Hour TSP	24-Hour TSP
A10	> 307	> 165	> 500	> 260

Table 3-3 Action and Limit Levels for Construction Noise Monitoring

Time Period	Action Level in dB(A)	Limit Level in dB(A)
0700-1900 hrs on normal weekdays	When one or more documented complaints are received	> 75* dB(A)

Note: * Reduces to 70dB(A) for schools and 65dB(A) during the school examination periods.

Table 3-4 Action and Limit Levels for Stream Water Quality Monitoring

Dissolved Oxygen (mg/l)	W9A (Upstream) [#]	W9B (Downstream)
Action Level	NA	< 0.3
Limit Level	NA	< 0.2
Turbidity (NTU)	W9A (Upstream) [#]	W9B (Downstream)
Action Level	NA	> 73.5*
Limit Level	NA	> 78.2**
pH	W9A (Upstream) [#]	W9B (Downstream)
Action Level	NA	> 7.0*
Limit Level	NA	> 7.1**
Suspended Solids (mg/L)	W9A (Upstream) [#]	W9B (Downstream)
Action Level	NA	> 148*
Limit Level	NA	> 159**
Ammonia Nitrogen (mg/L)	W9A (Upstream) [#]	W9B (Downstream)
Action Level	NA	> 30.91*
Limit Level	NA	> 32.20**
Zinc ($\mu\text{g}/\text{L}$)	W9A (Upstream) [#]	W9B (Downstream)
Action Level	NA	> 242*
Limit Level	NA	> 252**

Notes: [#] Act as Control Station for the Impact Water Quality Monitoring.

* Alternative Action Level of the Turbidity, pH, Suspended Solid, Ammonia Nitrogen and Zinc are 120% of upstream control station of same day.

** Alternative Limit Level of the Turbidity, pH, Suspended Solid, Ammonia Nitrogen and Zinc are 130% of upstream control station of same day.

Table 3-5 Action and Limit Levels for Ecology Monitoring

Parameters	Action Level	Limit Level
Fauna: decrease in the total number of wetland dependent bird species or individuals of the wetland dependent bird species from baseline	20 – 40% of individuals and species	> 40% of individuals and species

4.0 IMPACT MONITORING METHDOLOGY

MONITORING LOCATIONS

- 4.01 The 1-Hour and 24-Hour TSP monitoring was carried out at one designated station A10. Impact construction noise monitoring was undertaken at the designated location N10a. Stream water quality monitoring was undertaken at two designated locations (W9A & W9B). The ecology monitoring was conducted within the wetland area in according to the EM&A Manual of KT15. The descriptions of monitoring stations are presented in **Tables 4-1** and **Appendix C**.

Table 4-1 Location of Air Quality, Noise & Stream Water Quality Monitoring Station/Locations

Air Quality Station	
A10	Village House in Tin Sam San Tsuen
Construction Noise Location	
N10*	Village House in Tin Sam San Tsuen
N10a	Village House in Tin Sam San Tsuen
Water Quality Locations	
W9A [#]	Tin Sam San Tsuen
W9B	Tin Sam San Tsuen

Note: * The noise ambient condition within the victim area without significant change. Due to the accessibility, noise monitoring will undertake at N10a. Once the access is available, the impact noise monitoring will undertake at N10

Act as control station in impact monitoring

- 4.02 The meteorological data during the reporting quarter were obtained from the Lau Fau Shan Station of the Hong Kong Observatory (HKO).

MONITORING FREQUENCY AND PERIOD

1-HOUR TSP MONITORING

- 4.03 The 1-Hour TSP monitoring was conducted in designated station A10 in according to the EM&A Manual three times every 6 days. Total of **45** monitoring events were carried out in this reporting quarter.

24-HOUR TSP MONITORING

- 4.04 The 24-Hour TSP monitoring was conducted at station A10 once every six days. Total of **16** monitoring events were carried out in this reporting quarter.

NOISE MONITORING

- 4.05 Impact noise monitoring was undertaken at one location N10a once per week. Total of **15** monitoring events were carried out in this reporting quarter.

STREAM WATER QUALITY MONITORING

- 4.06 The stream water quality monitoring was undertaken at two locations W9A & W9B two times per week and total **50** monitoring events were carried out.

ECOLOGY MONITORING

- 4.07 Bird survey should be conducted in monthly and other faunal groups (reptiles, amphibians, dragonflies and butterflies) are conducted in wet season (April to July inclusive) in the seasonal wetland area. Based on the EM&A Manual requirements, three monitoring and checking of construction activities adjacent to the wetland areas was undertaken on **24 July, 25 August and 22 September 2008**.

5.0 IMPACT MONITORING IN THIS REPORTING QUARTER

5.01 The impact EM&A program was carried out by the ET in compliance with the project specific EM&A Manual in this reporting quarter. The impact monitoring schedules were presented in pervious Monthly EM&A Reports (July 2008, August 2008 and September 2008). All the impact monitoring was undertaken in according to the monitoring schedule. Details of the monitoring results are present in the pervious Monthly EM&A Reports (July 2008, August 2008 and September 2008).

AIR QUALITY

5.02 No 1-Hour/24-Hour TSP Action or Limit Level exceedance was recorded in this reporting quarter. Details of the impact air quality monitoring data were present in the pervious Monthly EM&A Reports (July 2008, August 2008 and September 2008). Graphical plots of the 1-Hour and 24-Hour TSP monitoring results are shown in **Appendix D**.

5.03 The meteorological data of this reporting quarter are summarized in **Appendix E**.

CONSTRUCTION NOISE

5.04 No construction noise exceedance (Action/Limit Level) was recorded in this reporting quarter. Details of the impact noise monitoring data were present in the pervious Monthly EM&A Reports (July 2008, August 2008 and September 2008). Graphical plots of the monitoring data are presented in **Appendix D**.

STREAM WATER QUALITY

5.05 Monitoring on 06 August 2008 was cancelled due to Tropical cyclone warning signals No. 8. Heavy rainfall at Kam Tin area was recorded on 07 August 2008, stream water monitoring cannot restore due to safety reason. Only one monitoring was undertaken from 03 to 09 August 2008.

5.06 Tropical cyclone (Hagupit), heavy rainfall and thunderstorm warning at Kam Tin area was recorded on 23 September 2008, the scheduled stream water monitoring on 23 September 2008 cannot restore due to safety reason. The stream water quality monitoring was rescheduled on 24 September 2008.

5.07 One Turbidity and SS exceeded the Limit Level at W9B on 02 September 2008 was recorded. From the monitoring team on-site observations and the Contractor provide information, only steel fixing, formworks erection and gabion installation were undertaken. No excavation or major discharge on-site was observed during the monitoring. Desilting facilities and proper mitigation measures were implemented on-site. Therefore, exceedance on 02 September 2008 was not project related.

5.08 Details of the monitoring results were present in the pervious Monthly EM&A Reports (July 2008, August 2008 and September 2008) and graphical plots for each parameter are presented in **Appendix D**.

ECOLOGY

5.09 Exceedances in ecology were recorded in this reporting quarter. Details of the monitoring results were presented in the pervious Monthly EM&A Reports (July 2008, August 2008 and September 2008) and a summary of the exceedances is presented in **Table 5-1**.

Table 5-1 Summary of Exceedances in Ecology Impact Monitoring

Month	Taxa	Parameters	Action Level	Limit Level	Exceedance
July 2008	Bird	Species no.	-	Breach	Limit Level
		Individual no.	-	-	-
	Fauna	Species no.	Breach	-	Action Level
		Individual no.		Breach	Limit Level
August 2008	Bird	Species no.	-	Breach	Limit Level
		Individual no.	-	Breach	Limit Level
September 2008	Bird	Species no.	-	Breach	Limit Level
		Individual no.	-	-	-

6.0 WASTE MANAGEMENT

6.01 The waste management was implemented by on-site Environmental Officer or Environmental Supervisor from time to time.

RECORDS OF WASTE QUANTITIES

6.02 All types of waste arising from the construction work are classified into the following:

- Construction & Demolition (C&D) Material;
- Chemical Waste;
- General Refuse; and
- Excavated Soil.

6.03 Total quantities of waste for disposal in this reporting quarter were summarized in **Tables 6-1** and **6-2**. Whenever possible, materials were reused on-site as far as practicable. The quantities of excavation soil for marine disposal in this reporting quarter are summarized in **Table 6-3**.

Table 6-1 Summary of Quantities of Inert C&D Materials

Type of Waste	July 2008	August 2008	September 2008
Broken Concrete (Inert) (m ³)	0	0	0
Reused in this Contract (Inert) (m ³)	0	0	0
Reused in other Projects (Inert) (m ³)	0	0	0
Disposal as Public Fill (Inert) (m ³)	1,141	0	0

Table 6-2 Summary of Quantities of C&D Wastes

Type of Waste	July 2008	August 2008	September 2008
Recycled Metal (kg)	0	0	0
Recycled Paper/Cardboard Packing (kg)	0	8	0
Recycled Plastic (kg)	0	0	0
Chemical Wastes (kg)	0	0	0
General Refuses (kg)	42	42	56

Table 6-3 Summary of Excavated Soil for Marine Disposal

Type of Waste	July 2008	August 2008	September 2008
Type 1 Materials (m ³)	0	0	0
Type 2 Materials (m ³)	18	0	0

7.0 SITE INSPECTION

7.01 According to the EM&A Manual Section 9.1.2, the environmental site inspection should be formulation by ET Leader. Date of ET's weekly environmental site inspection and IEC monthly site audit were summaries in the **Table 7-1**.

Table 7-1 Date of Environmental Weekly Site Inspection and Monthly Audit

Date of Inspection/Audit	Involved Parties
27 June 2008	ER, CCC and ET
03 July 2008	ER, CCC and ET
10 July 2008	ER, CCC and ET
17 July 2008*	ER, IEC, CCC and ET
25 July 2008	ER, CCC and ET
31 July 2008	ER, CCC and ET
08 August 2008	ER, CCC and ET
14 August 2008*	ER, IEC, CCC and ET
21 August 2008	ER, CCC and ET
28 August 2008	ER, CCC and ET
04 September 2008	ER, CCC and ET
11 September 2008	ER, CCC and ET
17 September 2008*	ER, IEC, CCC and ET
24 September 2008	ER, CCC and ET

Note: *Monthly IEC site audit.

7.02 During the weekly site inspection or monthly auditing, there have no non-compliance was found, however nine observations were recorded in this reporting quarter. The weekly ET site inspection and monthly IEC site audit checklists were present in the pervious Monthly EM&A Reports (July 2008, August 2008 and September 2008).

8.0 ENVIRONMENTAL COMPLAINT AND NON-COMPLIANCE

ENVIRONMENTAL COMPLAINT, SUMMONS AND PROSECUTION

- 8.01 No environmental complaint, summons and prosecution was received in this reporting quarter. The statistical summary table of environmental complaint is presented in Tables 8-1, 8-2 and 8-3.

Table 8-1 Statistical Summary of Environmental Complaints

Reporting Period	Environmental Complaints Statistics		
	Frequency	Cumulative	Complaint Nature
26 June – 25 July 2008	0	0	NA
26 July – 25 August 2008	0	0	NA
26 August – 25 September 2008	0	0	NA

Table 8-2 Statistical Summary of Environmental Summons

Reporting Period	Environmental Summons Statistics		
	Frequency	Cumulative	Nature
26 June – 25 July 2008	0	0	NA
26 July – 25 August 2008	0	0	NA
26 August – 25 September 2008	0	0	NA

Table 8-3 Statistical Summary of Environmental Prosecution

Reporting Period	Environmental Prosecution Statistics		
	Frequency	Cumulative	Nature
26 June – 25 July 2008	0	0	NA
26 July – 25 August 2008	0	0	NA
26 August – 25 September 2008	0	0	NA

9.0 IMPLEMENTATION STATUS OF MITIGATION MEASURES

9.01 CCC has been implementing the required environmental mitigation measures according to the EM&A Manual of KT15 - Mitigation Measures Implementation Schedule.

9.02 A summary of environmental mitigation measures generally implemented by CCC in this reporting quarter is presented as follows:

Water Quality

- Wastewater were appropriately treated by treatment facilities;
- Drainage channels were provided to convey run-off into the treatment facilities;
- Drainage systems were regularly and adequately maintained.

Air Quality

- Vehicles were cleaned of mud and debris before leaving the site;
- Site vehicles were limited to within 8 km/hr;
- Public roads around the site entrance/exit had been kept clean and free from dust;
- Dust suppression measures were properly provided to reduce dust emission from stockpile.

Noise

- Works and equipment were located to minimise noise nuisance from the nearest sensitive receiver;
- Idle equipments were either turned off or throttled down;
- Some of the Powered Mechanical Equipments were covered or shielded by appropriate acoustic materials if practicable.

Waste and Chemical Management

- Wastes were properly segregated into inert and non-inert in appropriate containers/areas;
- Excavated materials were reused where practicable.
- A chemical waste storage area had been provided on site;

General

- The site was generally kept tidy and clean.

10.0 CONCLUSION

10.01 The EM&A program in this reporting quarter (**July – September 2008**) were undertaken in compliance with the EM&A Manual for KT15. A summary of environmental compliance of air, noise, stream water quality and ecology in this reporting quarter are presented in **Table 10-1**.

Table 10-1 Summary of the Exceedances for Impact Monitoring

Env. Quality	Parameters	Work-Related Exceedance %	Investigation & Corrective Actions
Air Quality	1-Hour TSP	0	Not Required for 0% Exceedance
	24-Hour TSP	0	Not Required for 0% Exceedance
Noise	Leq (30min) Daytime	0	Not Required for 0% Exceedance
Stream Water	DO in mg/L	0	Not Required for 0% Exceedance
	SS in mg/L	0	Not Required for 0% Exceedance
	Turbidity (NTU)	0	Not Required for 0% Exceedance
	pH	0	Not Required for 0% Exceedance
	Ammonia Nitrogen (mg/L)	0	Not Required for 0% Exceedance
	Zinc (µg/L)	0	Not Required for 0% Exceedance
Ecology	Decrease in the total number of wetland dependent species or individuals of the surveyed faunal groups from baseline	0	Not Required for 0% Exceedance
	Decrease in the total number of species or individuals of wetland faunal from baseline	0	Not Required for 0% Exceedance

10.02 No 1-Hour and 24-Hour TSP exceeded the Action/Limit Level was recorded in this reporting quarter.

10.03 All measured daytime construction noise levels were below the Limit Level and no complaint was received in this reporting quarter.

10.04 Monitoring on 06 August 2008 was cancelled due to Tropical cyclone warning signals No. 8. Heavy rainfall at Kam Tin area was recorded on 07 August 2008, stream water monitoring cannot restore due to safety reason. Only one monitoring was undertaken from 03 to 09 August 2008. Tropical cyclone (Hagupit), heavy rainfall and thunderstorm warning at Kam Tin area was recorded on 23 September 2008, the scheduled stream water monitoring on 23 September 2008 cannot restore due to safety reason. The stream water quality monitoring was rescheduled on 24 September 2008.

10.05 One Turbidity and SS exceeded the Limit Level at W9B on 02 September 2008 was recorded. From the monitoring team on-site observations and the Contractor provide information, only steel fixing, formworks erection and gabion installation were undertaken. No excavation or major discharge on-site was observed during the monitoring. Desilting facilities and proper mitigation measures were implemented on-site. Therefore, exceedance on 02 September 2008 was not project related.

10.06 Non-compliance with the ecological criteria was found during the reporting quarter (24 July, 25 August and 22 September 2008). No intrusions of construction activities into the wetland areas nor adverse impact was observed. Based on the findings in the pervious monthly monitoring, the non-compliance in wetland dependent bird and fauna was not caused by the project.

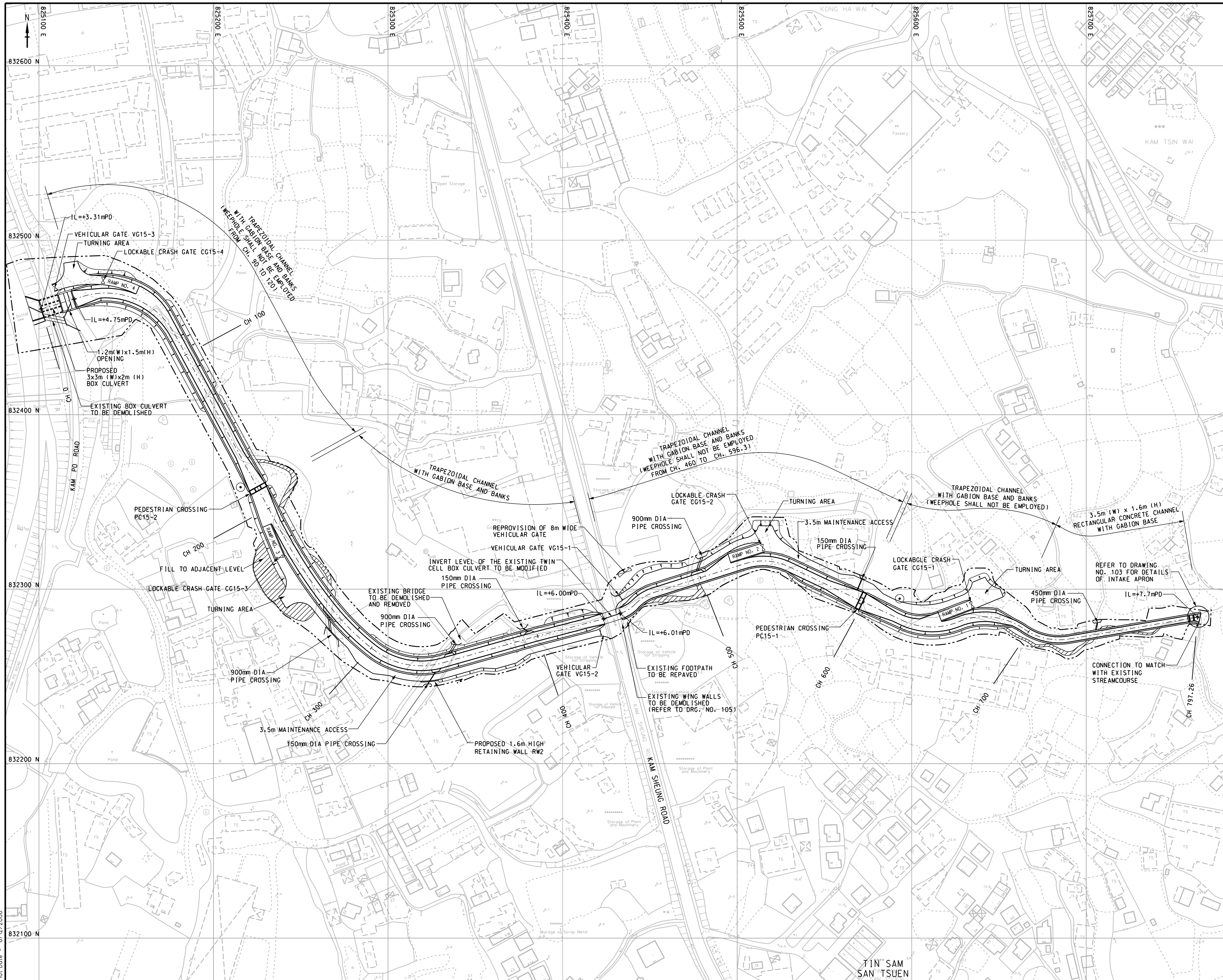
10.07 No environmental complaint, summons or prosecution was received in this reporting quarter.

RECOMMENDATIONS

- 10.08 Based on the weekly ET site inspection and monthly IEC site audit, no non-compliance and nine observations were recorded in this reporting quarter (**July 2008 – September 2008**). Details of the observations were present in the pervious Monthly EM&A Reports (July 2008, August 2008 and September 2008). In general, the environmental performance of proposed channel KT15 was accepted.
- 10.09 The ET will continue to implement the EM&A program and audit the effective mitigation measures implement by the Contractor.

Appendix A

Project Site Layout



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NOTES :
1. REFER TO DRAWING NO. 020 FOR NOTES AND LEGENDS.

Revision	Date	Description			Initial
		Designed	Checked	Drawn	
Initial		SFL	KIL	MK	KIL
Date	12/05	12/05	12/05	12/05	12/05

Approved

CONTRACT NO. DG200602

Contract title
YUEN LONG, KAM TIN, NGAU TAM MEI AND TIN SHUI WAI DRAINAGE IMPROVEMENTS, STAGE 1, PHASE 2B - CHEUNG CHUN SAN TSUEN AND KAM TSIN WAI

Drawing title
CHANNEL KT15 GENERAL LAYOUT PLAN

Drawing no.	Scale
021	1:1000 A1 1:2000 A3

香港特別行政區政府渠務署
THE GOVERNMENT OF THE HONG KONG SPECIAL ADMINISTRATIVE REGION
DRAINAGE SERVICES DEPARTMENT

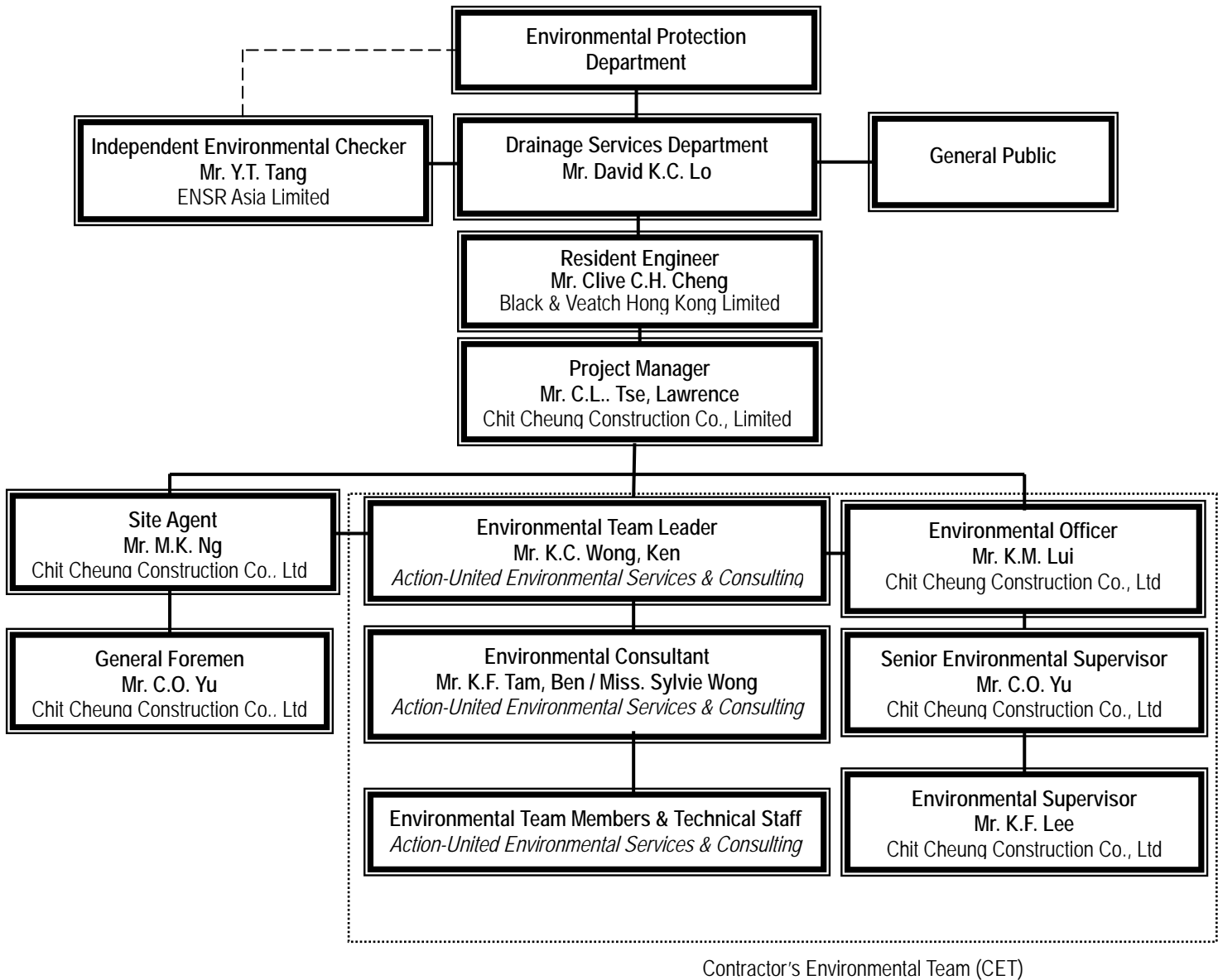
BLACK & VEATCH HONG KONG LIMITED
博威工程顧問有限公司

Plot Date : 6/12/2005

Appendix B

Environmental Organization Structure

Environmental Organization Structure



Contact Details of Key Personnel

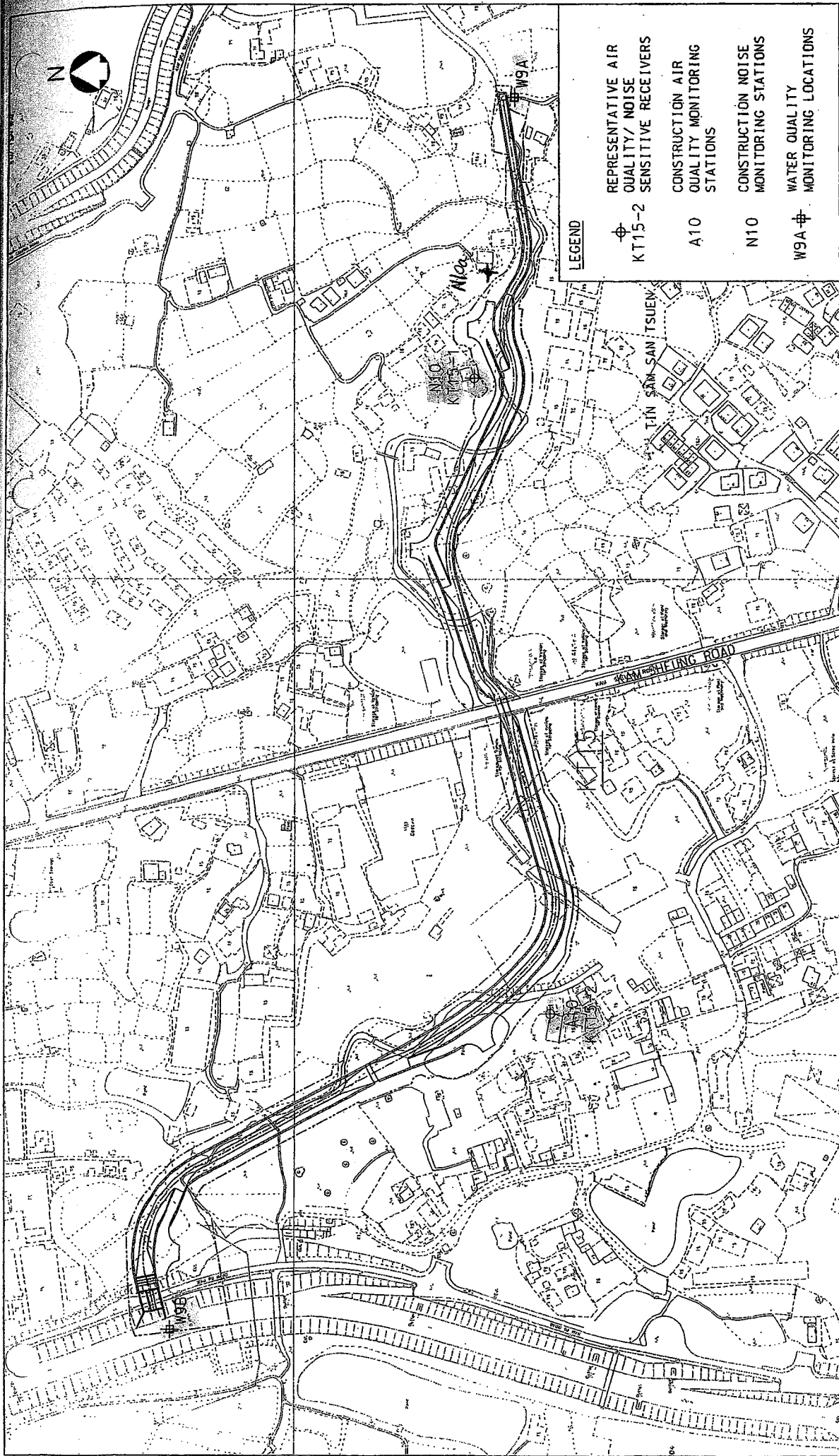
Organization	Project Role	Name of Key Staff	Tel No.	Fax No.
DSD	Employer	Mr. David K.C. LO	2594-7254	2827-8526
B&V	Engineer	Mr. Kelvin N.F. LAU	2601-1000	2601-3988
B&V	Engineer's Representative	Mr. Clive C.H. CHENG	2478-9161	2478-9396
ENSR	Independent Environmental Checker	Mr. Y.T. TANG	3105-8537	2891-0305
CCC	Project Director	Mr. P.Y. CHENG	9023-4821	2403-1162
CCC	Project Manager	Mr. Lawrence TSE	9752-0748	2479-1365
CCC	Site Agent	Mr. M.K. NG	6603-9711	2479-1365
CCC	Site Engineer	Mr. Jimmy CHAN	9234-8632	2479-1365
CCC	Environmental Officer	Mr. LUI Kam Man	9257-9111	2479-1365
CCC	Senior Environmental Supervisor	Mr. YU Chor-on	9026-9501	2479-1365
CCC	Environmental Supervisor	Mr. LEE Kwok Fai	9868-9908	2479-1365
CCC	Safety Officer	Mr. SHEA Yan Keung	6086-4658	2479-1365
AUES	Environmental Team Leader	Ken Wong	2959-6059	2959-6079
AUES	Environmental Team Supervisor	Ben Tam	2959-6059	2959-6079
AUES	Ecologist	Vincent Lai	9406-9784	2959-6079
AUES	Decontamination Specialist	FN Wong	2959-6059	2959-6079

Legend:

DSD (Employer)	-	Drainage Services Department
B&V (Engineer)	-	Black & Veatch Hong Kong Limited
CCC (Contractor)	-	Chit Cheung Construction Company Limited.
ENSR (IEC)	-	ENSR Asia (HK) Ltd.
AUES (ET)	-	Action-United Environmental Services & Consulting

Appendix C

Locations of Designated Monitoring Station/Locations/Area



LEGEND

- ⊕ REPRESENTATIVE AIR QUALITY/ NOISE SENSITIVE RECEIVERS
KT15-2
- CONSTRUCTION AIR QUALITY MONITORING STATIONS
A10
- CONSTRUCTION NOISE MONITORING STATIONS
N10
- ⊕ WATER QUALITY MONITORING LOCATIONS
W9A

Figure No.	ATT4-4.3	Revision	-
Reference	-	File Name	3820470201-137.DGN
Prepared	WYC	Checked	MC
Date	DEC. 2002	Scale	1 : 2000

**CONSTRUCTION PHASE AIR QUALITY/NOISE/WATER QUALITY
MONITORING LOCATIONS AT KT15**

Title :

YUEN LONG, KAM TIN,
NGAU TAM MEI AND TIN SHUI WAI
DRAINAGE IMPROVEMENT, STAGE I, PHASE 2B



BLACK & VEATCH HONG KONG LIMITED
博威工程顧問有限公司

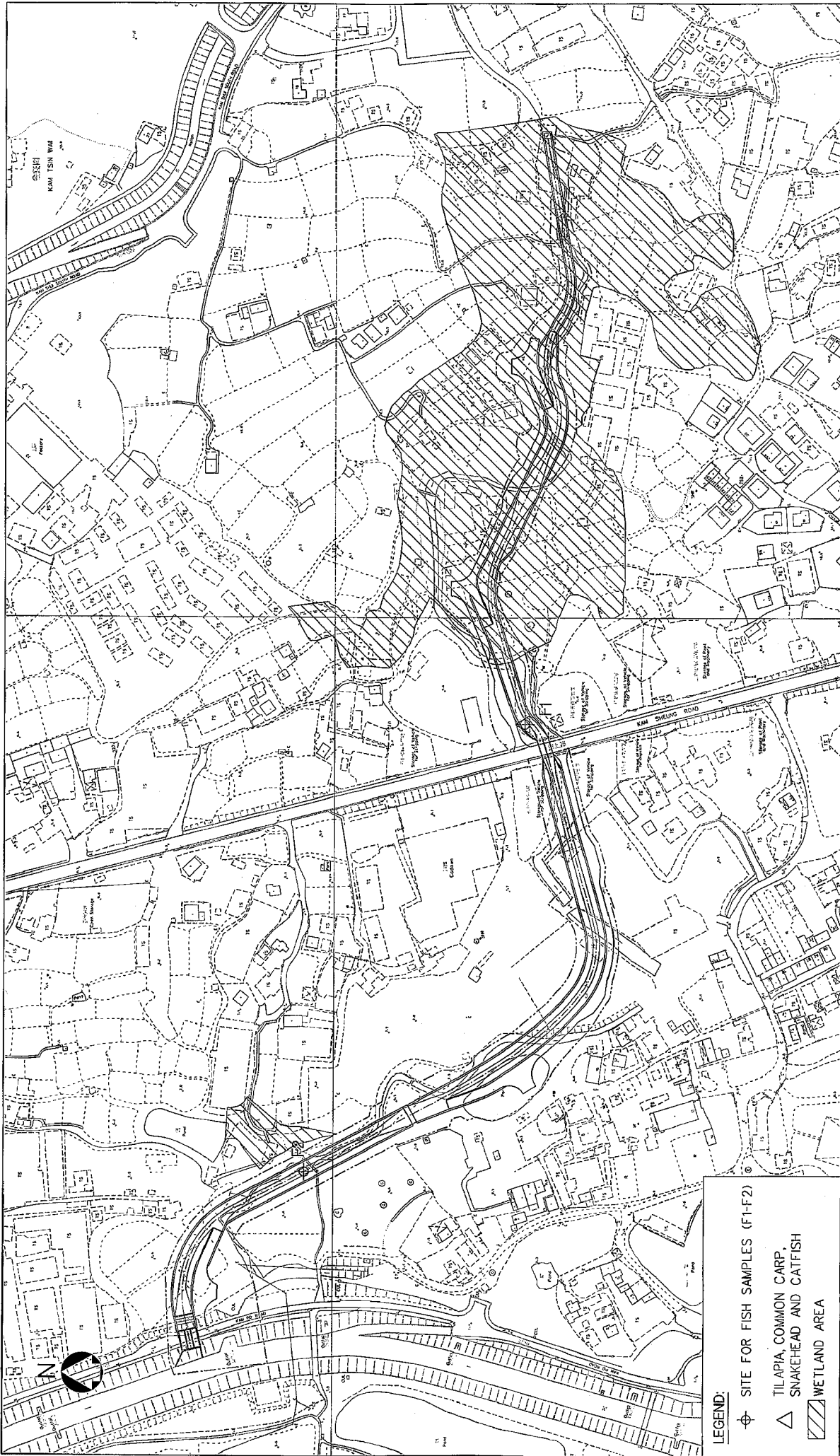


Figure No.	3.3	Revision	0
Reference		File Name	3820470201-114.DGN
Prepared	AEC	Checked	WYC
Date	MAR. 2003	Scale	1 : 2000


Title :

ECOLOGICAL MONITORING AREA KT15

LEGEND:

- ⊕ SITE FOR FISH SAMPLES (F1-F2)
- △ TILAPIA, COMMON CARP, SNAKEHEAD AND CATFISH
- ▨ WETLAND AREA

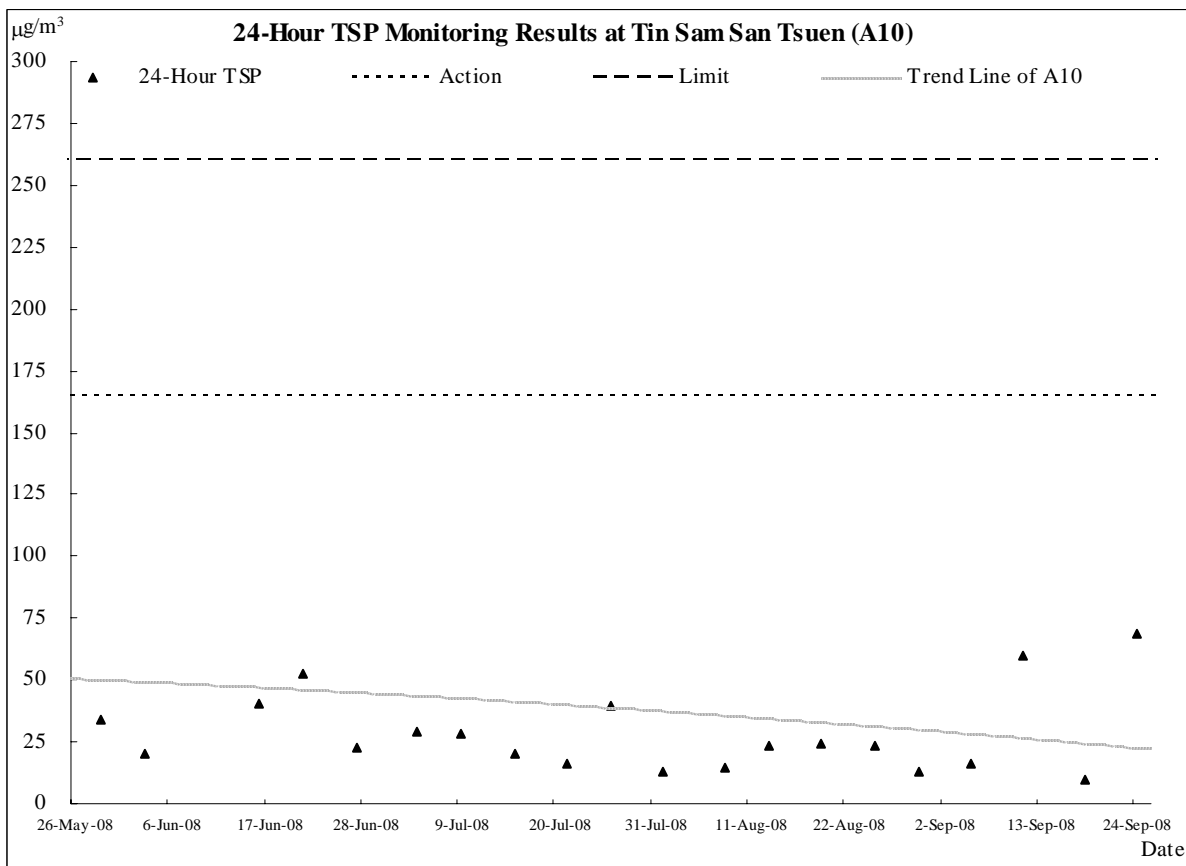
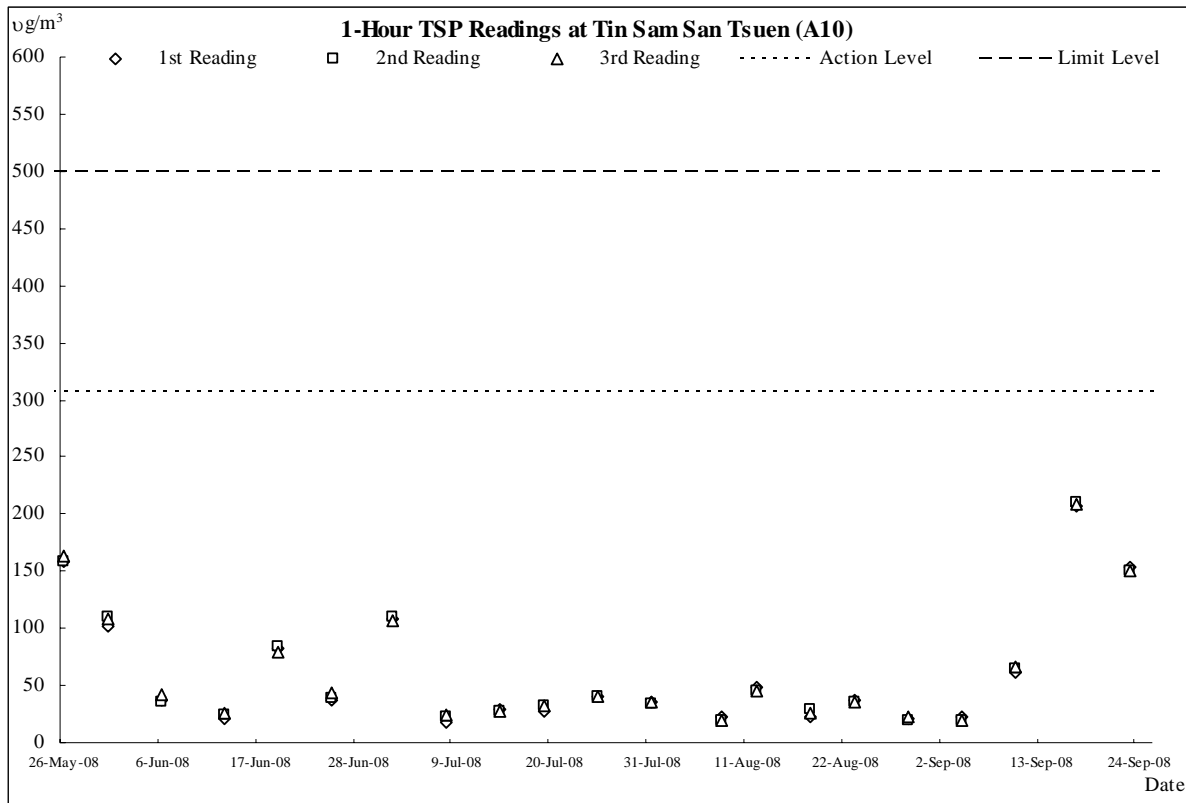
YUEN LONG, KAM TIN,
NGAU TAM MEI AND TIN SHUIWAI
DRAINAGE IMPROVEMENT, STAGE1, PHASE 2B

 **BLACK & VEATCH HONG KONG LIMITED**
博威工程顧問有限公司

Appendix D

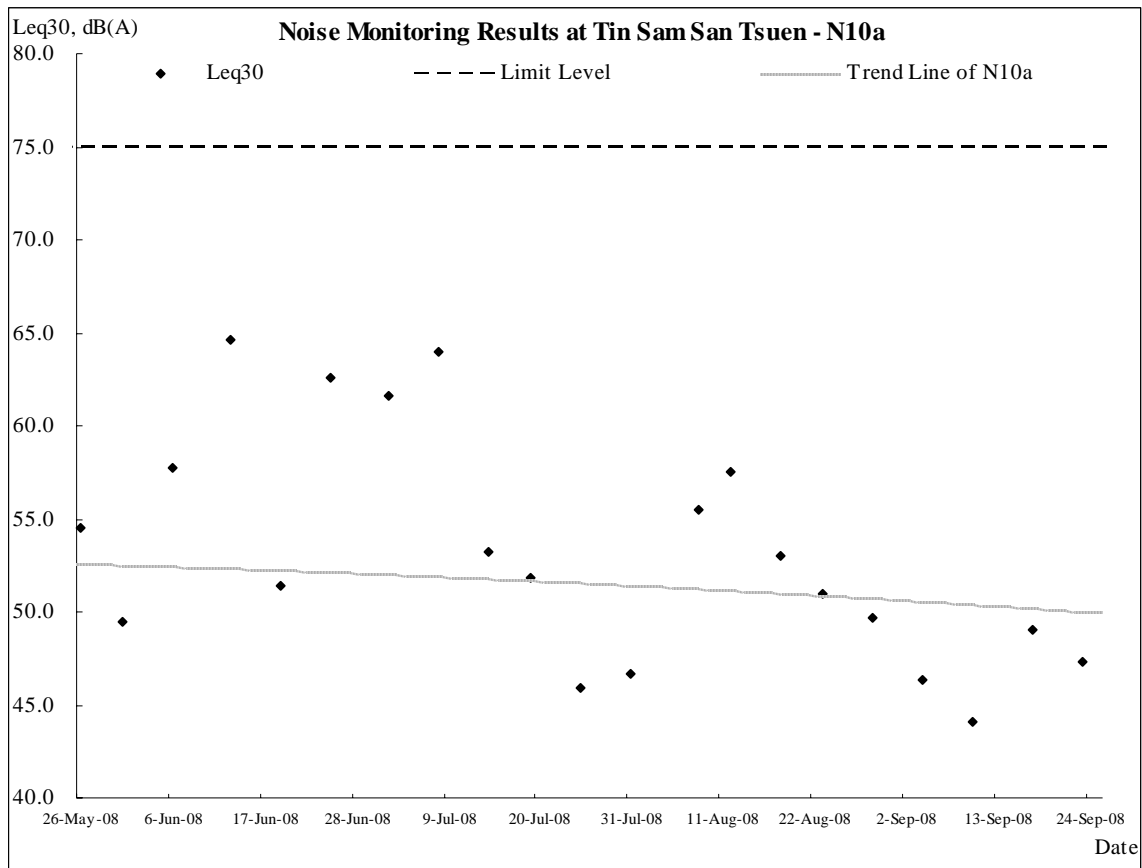
Graphical Plots of Air Quality, Construction Noise & Stream Water Quality Monitoring

Air Quality

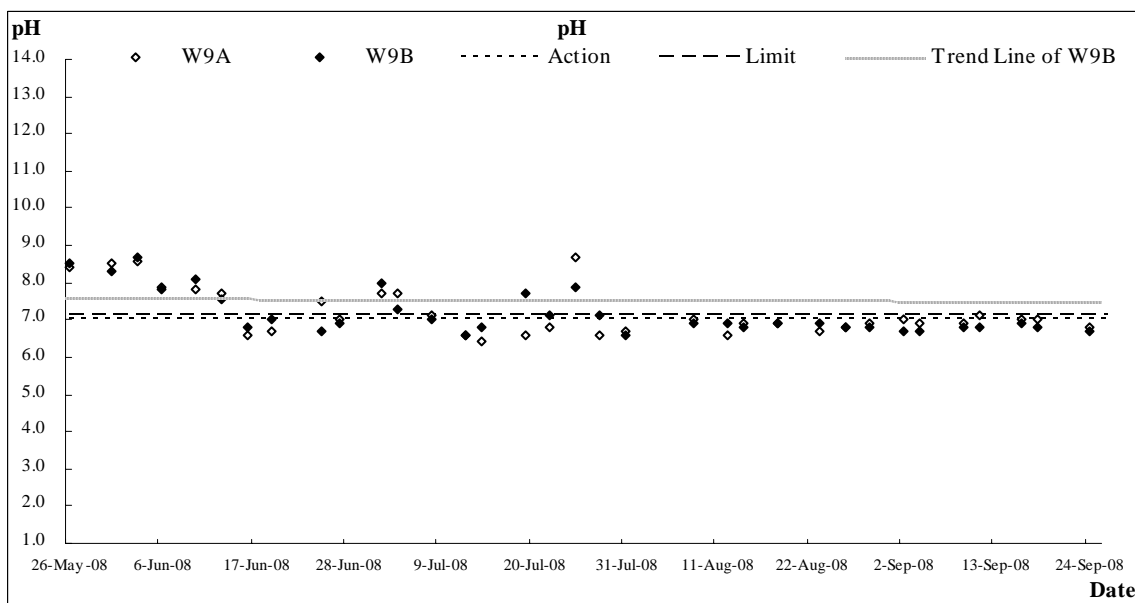
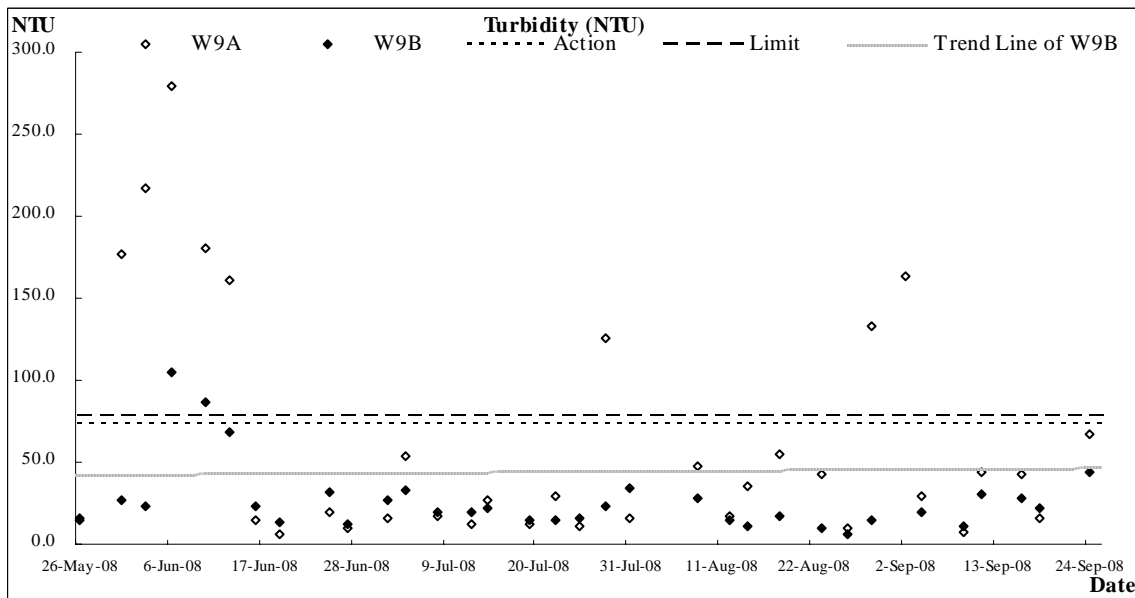
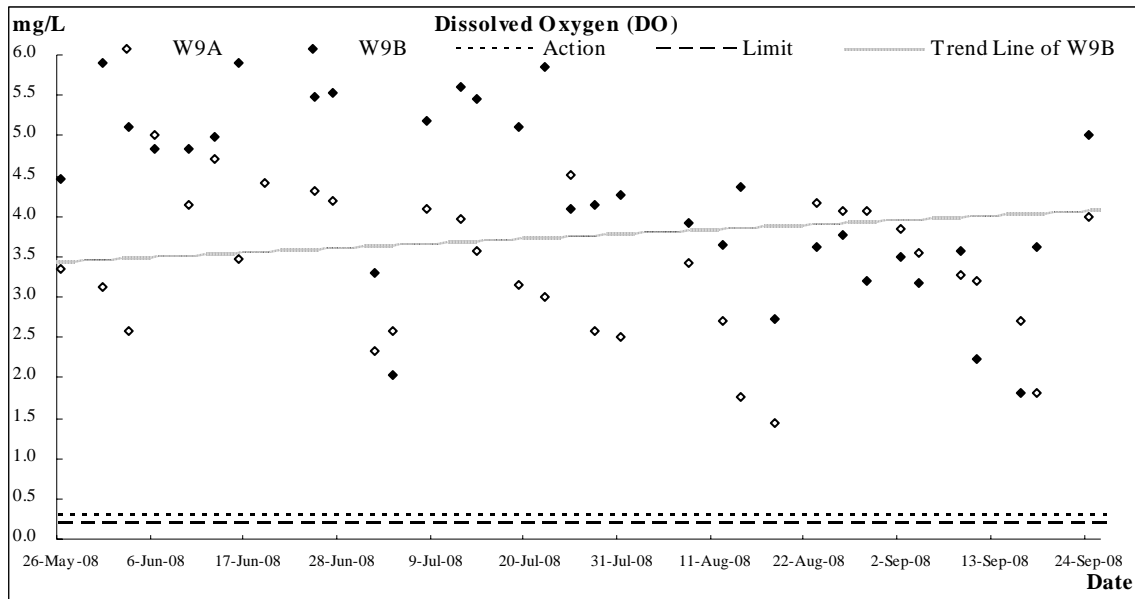


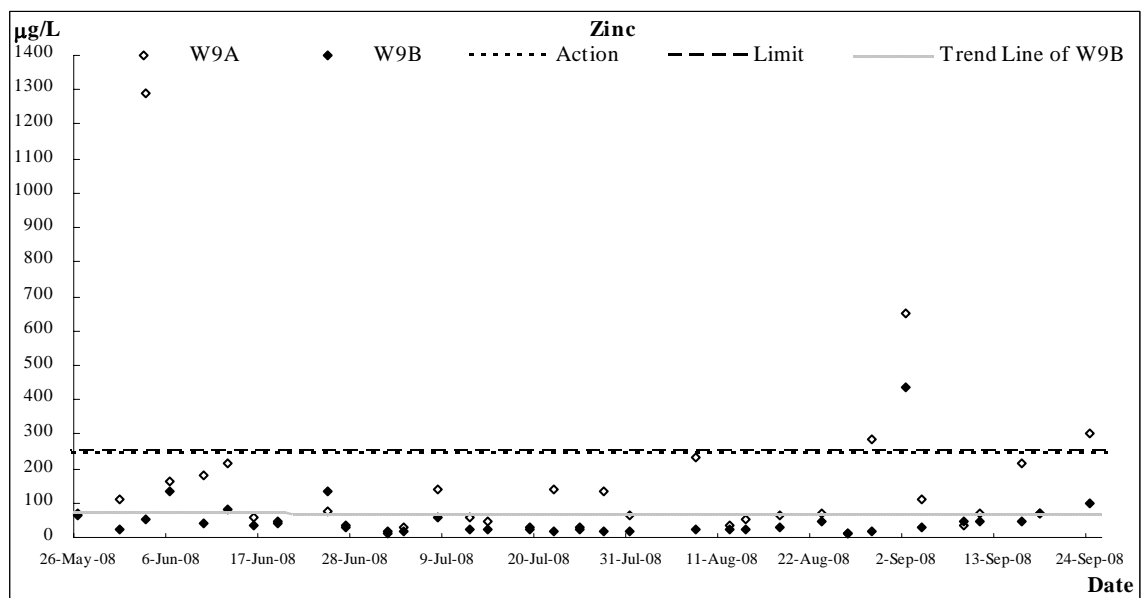
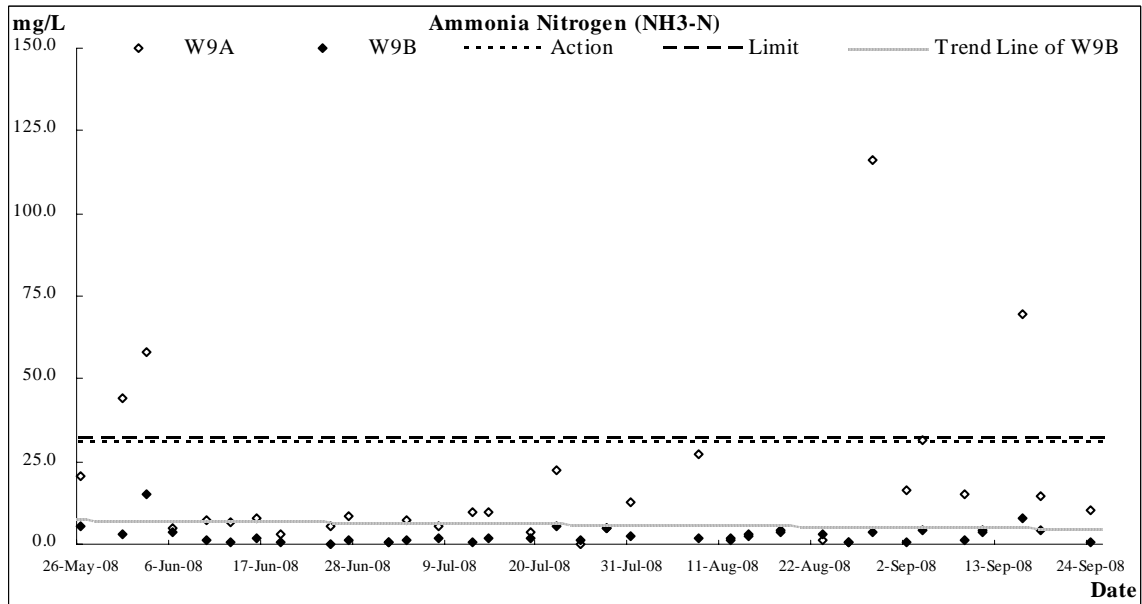
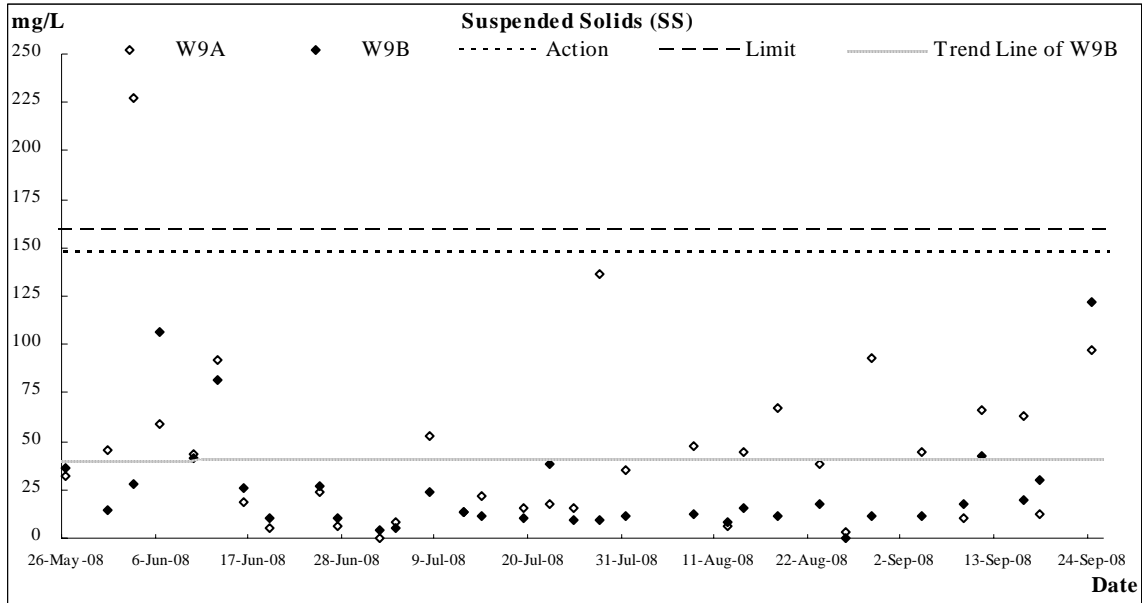
Note: Power failure at A10 on 10 June 2008 therefore no 24-Hour TSP monitoring result was present.

Construction Noise



Stream Water Quality





Appendix E

Meteorological Data in the Reporting Quarter

Meteorological Data Extracted from HKO in the Reporting Quarter

Date	Weather	Lau Fau Shan Weather Station					
		Total Rainfall (mm)	Mean Air Temperature (°C)	Wind Speed (km/h)	Mean Relative Humidity (%)	Wind Direction	
26-Jun-08	Thu	cloudy/rain/squally thunderstorm/moderate	100.4	25.8	28.5	87.5	S/SW
27-Jun-08	Fri	cloudy/rain/squally thunderstorm/moderate/fresh	60	26	15	90.5	S/SW
28-Jun-08	Sat	cloudy/rain/squally thunderstorm/moderate	35.5	24.4	18.7	86.7	S/SE
29-Jun-08	Sun	cloudy/rain/squally thunderstorm/moderate	44.5	26.3	24	87.5	S
30-Jun-08	Mon	cloudy/rain/squally thunderstorm/moderate	48.5	26.3	12	89.5	E/SE
1-Jul-08	Tue			Holiday			
2-Jul-08	Wed	fine/hot/moderate	Trace	29.4	12	74	S/SE
3-Jul-08	Thu	fine/hot/moderate	0	29	18	77	S/SE
4-Jul-08	Fri	sunny/hot/fine/moderate	0	28.9	15	74.2	S/SE
5-Jul-08	Sat	fine/hot/showers/moderate	11.6	28.9	14.2	77	E/SE
6-Jul-08	Sun	cloudy/rain/squally thunderstorm/moderate/fresh	54.4	27.6	13.5	92.5	E
7-Jul-08	Mon	cloudy/rain/squally thunderstorm/moderate/fresh	39.4	25.3	11	95.5	E/NE
8-Jul-08	Tue	cloudy/rain/squally thunderstorm/moderate/fresh	51.3	27.3	12	88.5	SW
9-Jul-08	Wed	cloudy/rain/squally thunderstorm/moderate	43.3	26	18.5	87.5	SE
10-Jul-08	Thu	cloudy/rain/squally thunderstorm/moderate	59.9	26	13	90.5	SE
11-Jul-08	Fri	cloudy/a few showers/moderate	12.8	26.5	11.5	88.5	S/SE
12-Jul-08	Sat	cloudy/rain/squally thunderstorm/light winds	114.3	25.6	10	86.5	S/SE
13-Jul-08	Sun	sunny intervals/showers/light winds	11.7	26.3	17.5	91	SE
14-Jul-08	Mon	sunny periods/isolated shower/light wind	30.7	27.9	9	86	E/SE
15-Jul-08	Tue	sunny periods, a few showers/thunderstorm/light winds	33.8	28.4	18.5	84	E/NE
16-Jul-08	Wed	sunny periods/a few showers/light winds	Trace	28.5	13	79.5	E/SE
17-Jul-08	Thu	fine/not/isolated showers/moderate	0	28.8	11	83.5	S/SW
18-Jul-08	Fri	hot/sunny periods/cloudy/isolated showers/moderate	Trace	29.4	14.5	79	W/SW
19-Jul-08	Sat	hot/sunny intervals/moderate/fresh	3.9	30	22	77.5	SW
20-Jul-08	Sun	fine/hot/isolated showers/moderate	0	29.9	16	73	S/SE
21-Jul-08	Mon	fine/hot/isolated showers/moderate	Trace	29.3	14.5	82.5	W/SW
22-Jul-08	Tue	fine/very hot/moderate	Trace	29.8	16	70.5	S/SW
23-Jul-08	Wed	fine/hot/moderate	0	29.5	19	72	S/SE
24-Jul-08	Thu	fine/very hot/moderate	0	29.4	13.5	75.5	S
25-Jul-08	Fri	fine/very hot/moderate	0	30.9	13.5	71.5	W/SW

Date		Weather	Lau Fau Shan Weather Station				
			Total Rainfall (mm)	Mean Air Temperature (°C)	Wind Speed (km/h)	Mean Relative Humidity (%)	Wind Direction
26-Jul-08	Sat	fine/very hot/isolated showers/thunderstorm/moderate	0	29.8	12	74	W/SW
27-Jul-08	Sun	fine/hazy/very hot/a few showers/squally thunderstorm/moderate	Trace	28.4	37	76	W/SW
28-Jul-08	Mon	fine/hazy/very hot/a few showers/squally thunderstorm/moderate	Trace	30.7	10	80	W/SW
29-Jul-08	Tue	cloudy/a dew showers/moderate/fresh	Trace	31.2	15	66.2	W/SW
30-Jul-08	Wed	cloudy/a few showers/fresh/strong	Trace	29.1	23.5	76	SW
31-Jul-08	Thu	cloudy/a few showers/squally thunderstorm/moderate	Trace	29.2	13.5	76.7	S/SE
1-Aug-08	Fri	sunny periods/showers/fine/moderate	Trace	28.3	15.5	78.5	E/NE
2-Aug-08	Sat	fine/hot/moderate	Trace	29	18	78	E
3-Aug-08	Sun	fine/very hot/moderate	0	29.8	10.2	69.5	E/NE
4-Aug-08	Mon	fine/very hot/isolated showers/moderate	Trace	30.1	6.5	76	E/NE
5-Aug-08	Tue	cloudy/squally showers/fresh	6.1	27	15	78	N
6-Aug-08	Wed	No.8 Southeast Gale Of Storm Signal					
7-Aug-08	Thu	cloudy/squally showers/fresh	72.3	26.7	23.5	86.5	E/SE
8-Aug-08	Fri	cloudy/scattered showers/squally thunderstorm/moderate	48.3	26.7	14.5	85	E
9-Aug-08	Sat	cloudy/isolated showers/moderate	0	28.5	10.5	83.5	E/NE
10-Aug-08	Sun	cloudy/isolated showers/moderate	0	27.7	11.2	78.5	S/SE
11-Aug-08	Mon	cloudy/rain/squally thunderstorm/moderate	17.7	25.3	7.5	89	S/SE
12-Aug-08	Tue	fine/isolated showers/moderate	Trace	27.8	12	81	E/SE
13-Aug-08	Wed	fine/hot/moderate	0	28.8	13	79.5	S/SE
14-Aug-08	Thu	fine/hot/moderate	0	29.4	14	73.5	W/SW
15-Aug-08	Fri	fine/hot/moderate/fresh	0	29.5	14.2	76.5	S/SW
16-Aug-08	Sat	fine/hot/moderate/fresh	0	29.4	18	75.5	S/SW
17-Aug-08	Sun	fine/hot/showers/moderate	Trace	29.8	17.5	70.5	S/SE
18-Aug-08	Mon	fine/hot/showers/moderate	Trace	29.2	6.5	80	E/NE
19-Aug-08	Tue	fine/very hot/moderate	Trace	30	12	74	S/SE
20-Aug-08	Wed	fine/very hot/isolated showers/light winds	0	29.6	15	70.5	S/SE
21-Aug-08	Thu	cloudy/scattered showers/squally thunderstorm/moderate	Trace	30.1	12	71.5	W/SW
22-Aug-08	Fri	increasing Gale Or Storm Signal No. 9					
23-Aug-08	Sat	cloudy/squally showers/fresh/strong			Maintenance	81.5	Maintenance
24-Aug-08	Sun	fine/hot/moderate	Trace	28.5	Maintenance	73	Maintenance
25-Aug-08	Mon	fine/hot/moderate	Trace	29.5	Maintenance	76.5	Maintenance

Date	Weather	Lau Fau Shan Weather Station					
		Total Rainfall (mm)	Mean Air Temperature (°C)	Wind Speed (km/h)	Mean Relative Humidity (%)	Wind Direction	
26-Aug-08	Tue	fine/very hot/light winds	0	28.8	Maintenance	77	Maintenance
27-Aug-08	Wed	fine/hot/moderate	0	28.8	Maintenance	75.5	Maintenance
28-Aug-08	Thu	fine/hot/isolated showers/moderate	0	28.9	Maintenance	71	Maintenance
29-Aug-08	Fri	fine/hot/isolated showers/moderate	0	29.7	Maintenance	75	Maintenance
30-Aug-08	Sat	fine/hot/isolated showers/moderate	0	29.7	Maintenance	74.5	Maintenance
31-Aug-08	Sun	fine/very hot/moderate	0	29.3	Maintenance	71	Maintenance
1-Sep-08	Mon	fine/isolated showers/moderate	0	28.8	Maintenance	79	Maintenance
2-Sep-08	Tue	cloudy/a few showers/thunderstorm/sunny intervals/light winds	6.7	27.8	11.5	80	S/SE
3-Sep-08	Wed	a few showers/squally thunderstorm/sunny intervals/light winds	9	28	8.5	79.5	E
4-Sep-08	Thu	a few showers/squally thunderstorm/sunny intervals/moderate	Trace	28.9	7.9	64.1	E
5-Sep-08	Fri	a few showers/squally thunderstorm/sunny intervals/light winds	6.3	27.7	10.5	84.5	E/SE
6-Sep-08	Sat	a few showers/squally thunderstorm/sunny intervals/moderate	25.8	27.6	11.5	82.5	E/NE
7-Sep-08	Sun	fine/isolated showers/hot/moderate	5.5	28.9	17.5	73.5	E/NE
8-Sep-08	Mon	fine/isolated showers/hot/moderate	Trace	28.7	10	71.5	E/NE
9-Sep-08	Tue	fine/hot/moderate	0.2	29.4	10.7	71	E/SE
10-Sep-08	Wed	fine/very hot/moderate	0	29.6	11	68	E/SE
11-Sep-08	Thu	fine/haze/very hot/isolated showers/light winds	0	29.1	10.2	67	S/SE
12-Sep-08	Fri	very hot/fine/hazy/isolated showers/light winds	0	30.5	14.5	71.2	W/SW
13-Sep-08	Sat	very hot/fine/dry/hazy/isolated showers/moderate	0	30.5	12	68.5	N
14-Sep-08	Sun	very hot/fine/dry/hazy/isolated showers/moderate	0	30.5	10.5	62.4	N
15-Sep-08	Mon	Holiday					
16-Sep-08	Tue	fine/dry/very hot/haze/light winds	0	30.6	9.2	63.2	N
17-Sep-08	Wed	fine/hazy/very hot/isolated showers/light winds	0	28.7	10.5	70	S/SE
18-Sep-08	Thu	cloudy/a few showers/thunderstorm/sunny intervals/light winds	1.6	28.5	12.5	84	S/SE
19-Sep-08	Fri	thunderstorm/sunny periods/moderate	23.5	29	10	80	E
20-Sep-08	Sat	fine/isolated showers/moderate	0	30.2	9	77	E/NE
21-Sep-08	Sun	fine/isolated showers/moderate	0	29.6	12	66.5	W/SW
22-Sep-08	Mon	fine/hazy/very hot/isolated/moderate	0	31.4	12.5	77	W/NW
23-Sep-08	Tue	fresh/strong/cloudy/squally showers	34.1	28.6	21	61	N
24-Sep-08	Wed	strong/gales/cloudy/squally showers/thunderstorm	43.7	25.4	37.5	74.5	E/SE
25-Sep-08	Thu	sunny intervals/a few showers/moderate/fresh	0.4	29.3	19	79.5	E/SE

Appendix G

Response to Comments

Contract No. DC/2006/02

**Yuen Long, Kam Tin, Ngau Tam Mei and Tin Shui Wai Drainage Improvements, Stage 1, Phase 2B – Cheung Chun San Tsuen and Kam Tsin Wai
 KT15 – Quarterly EM&A Summary Report for July 2008 – September 2008 (R0927 Revision 1) submit on 17 October 08 (16:53)
 Response to IEC's comments [Received from e-mail on 23 October 2008 16:13]**

No.	Section / Paragraph	Comments	Ref.	Response to Comments
1	ES05	The exceedances of ecology monitoring for August and September 2008 are missing in the Table.	-	Noted.
2	ES11., 4.06	Number of stream water quality monitoring event should be 50 instead of 52.	-	Noted.
3	Table 3-4	Please indicate the action/limit levels with addition of “<” or “>” as in the monthly EM&A reports.		Noted.
4	Table 5-1	Breach of exceedance level in total number of wetland birds and number of species of wetland fauna in July 2008 is not consistent with the text mentioned in other sections and the mentioned monthly EM&A report in July 2008. Please check and revise accordingly.		Noted.
5	7.02	Total number of observations should be 9 instead of 12 mentioned in text.		Noted.
6	10.6	Please consider using the same text as in ES15. as non-compliance for ecology requirement was found during the reporting quarter.		Noted.
7	Appendix D	For graph of 24-Hour TSP monitoring results, data points on 10 and 27 June 2008 are missing and two data points are found on 26 July 2008. Please check and keep all graphical plots consistent with the results in the reporting period.	-	Noted. Power shortage of HVS on 10 June 2008 at A10 was recorded. Details can refer to the Monthly EM&A Report for June 2008 (R0774r2).