JOB NO.: TCS00310/06

VISION NO.: 2

DRAINAGE SERVICES DEPARTMENT (DSD)
CONTRACT NO.: DC/2005/02

CONSTRUCTION OF SEWERS, RISING MAINS & SEWAGE PUMPING STATION AT KAM TIN, NAM SANG WAI AND AU TAU IN YUEN LONG

BI-ANNUAL ENVIRONMENTAL MONITORING & AUDIT (EM&A) SUMMARY REPORT FOR OCTOBER 2008 TO MARCH 2009 (NO. 6) (DESIGNATED ELEMENTS)

PREPARED FOR

LEADER CIVIL ENGINEERING CORPORATION LIMITED

Quality Index

Date	Reference No.		
9 June 2009	TCS00310/06/600/R0863r2		
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Rev. No.	Date	Remarks
1	6 June2009	First Submission
2	9 June 2009	Response to IEC's comments received on 9 June 2009 via. e-mail

EXECUTIVE SUMMARY

ES01. Leader Civil Engineering Corporation Ltd (the Contractor) has been awarded the DSD Contract DC/2005/02 Construction of Sewers, Rising Mains and Sewage Pumping Station at Kam Tin, Nam Sang Wai and Au Tau in Yuen Long (the Project). The Project requires an Environmental Monitoring and Audit (EM&A) program to be implemented by an Environmental Team (ET) throughout the contract period in compliance with the requirements as stated in the project Environmental Permit (EP-220/2005) and the project's Updated EM&A (Designated Elements) Manual.

ES02. This is the **Sixth Bi-Annual EM&A Summary Report for October 2008 to March 2008 (No. 6)** reporting the environmental impact monitoring and audit (EM&A) conducted from **01 October 2008 to 31 March 2009**. EM&A program implemented in this reporting period **(October 2008 to March 2009)** covered air quality, noise and waste management.

BREACH OF ACTION AND LIMIT (AL) LEVELS

ES03. No noise exceedance was recorded in this bi-quarterly reporting period. However five action and five limit levels exceedances were found in 24-hr TSP during the period. The locations of 24-hr TSP exceedance were included AM1, AM5, AM6 and AM7 of all designated Sensitive Receivers. Based on the information and the investigation provided by the Contractor, the exceedances were not considered to be related the project. The detail of 24-hr TSP exceedance in this reporting period is list as below.

Station	Action Level ($\mu g/m^3$)	Limit Level ($\mu g/m^3$)	Date of Exceeded	Concentration ($\mu g/m^3$)	Exceedance Level
AM1	184	260	17 Dec 08	247	Action
			15 Jan 09	203	Action
			02 Feb 09	295	Limit
			09 Mar 09	196	Action
AM5	237	260	09 Jan 09	276	Limit
			03 Mar 09	251	Action
			14 Mar 09	347	Limit
AM6	183	260	25 Oct 08	213	Action
			29 Nov 08	646	Limit
AM7	204	260	02 Mar 09	284	Limit

ENVIRONMENTAL SITE INSPECTION

ES04. In this reporting period, totally 19 weekly joint site inspections were undertaken by representatives of the Engineer, the Contractor and ET to evaluate the site environmental performance. Although total 28 observations were found no non-compliance was identified during the site weekly inspections. Six joint IEC site inspections had been taken in monthly basis, based on the joint IEC site audits to finding, no non-compliance is identified by IEC, however seventeen observations were recorded in the reporting period.

COMPLAINT LOG

ES05. No environmental complaint was received in this reporting period.

NOTIFICATION OF ANY SUMMONS AND SUCCESSFUL PROSECUTION

ES06. There was no environmental summons or prosecution in this reporting period.

REPORTING CHANGES

ES07. There are no changes to be reported in this reporting period.

ADEQUACY OF EM&A

ES08. Based on the data collected and reviewed for the period between **October 2008 to March 2009** (as reported herein), it can be confirmed that the monitoring work is effective and that it is generating data to categorically confirm the observation of impact attributable to the works.

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LIST OF ANNEXES

1.0 BASIC PROJECT INFORMATION

1.01 Leader Civil Engineering Corporation Ltd (the Contractor) has been awarded the DSD Contract DC/2005/02 Construction of Sewers, Rising Mains and Sewage Pumping Station at Kam Tin, Nam Sang Wai and Au Tau in Yuen Long (the Project). The Project is part of the Yuen Long and Kam Tin Sewerage and Sewage Disposal (YLKTSSD) Scheme. A site layout map showing the site boundary and the work areas is shown in **Annex A**.

1.02 This 6th **Bi-Annual EM&A Summary Report for October 2008 to March 2009 (No. 6)** summarizes the impact monitoring results and audit findings in the reporting period from **October 2008 to March 2009**.

PROJECT ORGANIZATION AND MANAGEMENT STRUCTURE

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

CONSTRUCTION PROGRAM FOR THE REPORTING PERIOD

1.04 A construction program showing the construction work undertaken in this reporting period is shown in **Annex C**.

WORKS UNDERTAKEN DURING THE REPORTING PERIOD

1.05 The major construction work undertaken during the reporting period under the Environmental Permit (EP-220/2005) is shown in **Table 1-1**.

Table 1-1 Construction Activities in this Reporting Period

Reporting Month	Construction Activities
Oct 2008	• Kam Tin Pumping Station (P1) and Sha Po Pumping Station (P2) – Backfilling, Concreting and Extract sheet pile • Nam Sang Wai Pumping Station (P3) – Backfilling and Concreting • Nam Sang Wai Road (S4) and Pok Wai South Road (S5 and S6) - Sheet piling, Excavation, Pipe laying, Backfilling, Concreting, Pipe jacking and Extract sheet pile
Nov 2008	• Kam Tin Pumping Station (P1) – Concreting, Extract sheet pile • Sha Po Pumping Station (P2) – Backfilling, Concreting and Extract sheet pile • Nam Sang Wai Pumping Station (P3) – Backfilling and Concreting • Nam Sang Wai Road (S4) - Sheet piling, Excavation, Pipe laying, Backfilling, Concreting, Pipe jacking, Extract sheet pile, • Pok Wai South Road (S5 and S6) -Sheet piling, Excavation, Pipe laying, Backfilling, Concreting and Extract sheet pile
Dec 2008	• Kam Tin Pumping Station (P1) – Excavation, Concreting • Sha Po Pumping Station (P2) - Concreting • Nam Sang Wai Pumping Station (P3) – Backfilling and Concreting • Nam Sang Wai Road (S4) and Pok Wai South Road (S5 and S6) - Sheet piling, Excavation, Pipe laying, Backfilling, Concreting and Extract sheet pile
Jan 2009	• Kam Tin Pumping Station (P1) – Excavation and Concreting • Sha Po Pumping Station (P2) - Sheet piling, Excavation, Backfilling, Concreting and Extract sheet pile • Nam Sang Wai Pumping Station (P3) – Backfilling, Concreting and Extract sheet pile • Nam Sang Wai Road (S4) - Sheet piling, Excavation, Pipe laying, Backfilling, Concreting and Extract sheet pile • Pok Wai South Road (S5 and S6) – Backfilling and Concreting
Feb 2009	• Kam Tin Pumping Station (P1) - Sheet piling, Excavation, Backfilling,

Reporting Month	Construction Activities
	Concreting and Pipe Jacking • Sha Po Pumping Station (P2) - Sheet piling, Excavation, Backfilling and Concreting • Nam Sang Wai Pumping Station (P3) – Backfilling, Concreting and Extract sheet pile • Nam Sang Wai Road (S4) - Sheet piling, Excavation, Pipe laying, Backfilling, Concreting and Extract sheet pile • Pok Wai South Road (S5 and S6) – Backfilling, Concreting
Mar 2009	• Kam Tin Pumping Station (P1) – Excavation, Concreting and Pipe Jacking • Sha Po Pumping Station (P2) - Sheet piling, Excavation, Backfilling and Concreting • Nam Sang Wai Pumping Station (P3) – Backfilling, Concreting and Extract sheet pile • Nam Sang Wai Road (S4) - Sheet piling, Excavation, Pipe laying, Backfilling, Concreting and Extract sheet pile • Pok Wai South Road (S5 and S6) – Backfilling and Concreting

2.0 ENVIRONMENTAL STATUS

WORK UNDERTAKEN DURING THE REPORTING PERIOD WITH ILLUSTRATIONS

2.01 A summary of the work undertaken in the reporting period with illustrations and environmental mitigation measures implemented is shown in **Table 2-1**.

Table 2-1 Work Undertaken in Reporting Period with Illustrations of Mitigation Measures

Locations	Description of Construction Activities	Environmental Mitigation Measures	EM&A Ref.
P1 (Kam Tin Pumping Station)	• Back filling • Extract sheet pile • Concreting	• Erect 2.4m high noise barrier hoarding around the works area at P1, P2 and P3 • Remove dust and spray water at the construction access • Cover the stockpiles of dusty material properly • Spray water to all dusty materials immediately before loading and unloading	A1 & F6 A2 A3 A4
P2 (Sha Po Pumping Station) and P3 (Nam Sang Wai Pumping Station	• Back filling • Concreting • Steel reinforcement work	• Wash the wheels of vehicles before leaving the site • Install and use power-operated cover at the dump trucks • Spray water at the pavement breaking locations • Spray the working area of excavation frequently • Maximize the use of quiet PME on site • Apply and obtain appropriate waste disposal licenses	A5 A6 A7 A8 B1, B2 & F5 D1
S4 (Nam Sang Wai Road) and S5 & S6 (Pok Wai South Road)	• Sheet piling • Excavation • Pipe laying • Backfilling • Concreting • Pipe jacking • Extract sheet pile	• Handle, store and dispose of chemical wastes as per relevant regulations • Implement trip-ticket system for waste disposal • Restrict open fires and provide fire fighting equipment in the works area • Perform weekly inspection with ET and monthly audit with IEC • Conduct noise and dust monitoring as per EM&A Manual during construction • Provide sedimentation tanks for treating site discharge. • Recycle wheel washing water and provide sedimentation tanks for treating site discharge.	D2, D3 & D4 D5 F9 H1 I1 & I2 - -

2.02 Photographic records showing the implemented 2.4m high noise barrier at the pumping station (S3) are shown in **Annex D**.

PROJECT DRAWINGS

2.03 There are four designated air and four designated construction noise monitoring stations under the EM&A Manual. Descriptions of monitoring stations are summary in **Table 2-2.** Drawings showing the designated monitoring stations are presented in **Annex E**.

Table 2-2 Description of the Monitoring Stations

Station ID	Nature of Premise	Site Work Description	Station Coordinates
AM1	Site Boundary in NSW	Excavation; Sheet piling; Backfilling; Pipe laying; Concreting; and Extract sheet pile	835829 N 822910 E
AM5	Site Boundary in FKH		835121 N 823515 E
AM6	Site Boundary in KT		833308 N 823987 E
AM7	Site Boundary in NSW		836171 N 822586 E
NM3	Village House in NSW		835808 N 822817 E
NM4	Village House in NSW		835282 N 822811 E
NM6	Village House in KT		833288 N 823999 E
NM7	Village House in FKH		835121 N 823495 E

2.04 In this reporting period, the impact monitoring was carried out at four designated air and four noise monitoring stations in according to the monitoring schedule.

3.0 SUMMARY OF EM&A REQUIREMENTS

MONITORING PARAMETERS

3.01 Environmental monitoring and audit requirements are set out in the Updated EM&A manual. Air quality and construction noise have been identified to be the key monitoring parameters during the impact phase for the construction of the project.

3.02 A summary of the impact EM&A requirements for air quality and construction noise as per the project Updated EM&A Manual are shown in **Table 3-1.**

Table 3-1 Summary of EM&A Requirements

Environmental Aspect	Monitoring Parameters
Air Quality	24-Hour TSP
Construction Noise	Leq 30min during day time 07:00 to 19:00
	Supplementary L10 and L90 for reference.

ENVIRONMENTAL QUALITY PERFORMANCE LIMITS

3.03 A summary of the Action/Limit (A/L) Levels for air quality and construction noise is shown in **Tables 3-2 and 3-3.**

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

Monitoring Stations	Action Level (μg/m^3)		Limit Level (μg/m^3)	
	1-Hour TSP	24-Hour TSP	1-Hour TSP	24-Hour TSP
AM1	>391	>184	>500	>260
AM5	>353	>237	>500	>260
AM6	>329	>183	>500	>260
AM7	>383	>204	>500	>260

Table 3-3 Action and Limit Levels for Construction Noise

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

Event and Action Plans

3.04 An Event Action Plan for air quality and construction noise has been implemented for this project. Details of the Event Action Plan are presented in **Annex F**.

ENVIRONMENTAL MITIGATION MEASURES

3.05 The project EIA report has recommended environmental mitigation measures to minimize potential environmental impacts arising from the construction of the project. A full list of the mitigation measures is detailed in **Annex G**.

ENVIRONMENTAL REQUIREMENTS IN CONTRACT DOCUMENTS

3.06 The environmental requirements in the contract documents generally refer to the compliance of the requirements as stipulated in the project EP and the updated EM&A Manual.

4.0 IMPLEMENTATION STATUS AND ENVIRONMENTAL SUBMISSIONS

4.01 The implementation status of environmental protection and pollution control/mitigation measures as recommended in the project EIA report is summarized in **Table 2-1** and the implementation schedule as shown in **Annex G**.

4.02 A summary status of the permits, licences, and/or notifications on environmental protection for this Project in the reporting period is presented in **Table 4-1**.

Table 4-1 Status of Environmental Licenses and Permits in the Reporting Period

Items	Item Description	Licenses/Permit Status
1	Environmental Permit No.: EP-220/2005	Issued in June 2005
2	Air Pollution Control (Construction Dust)	Notified EPD on 24 Dec 2005
3	Chemical Waste Producer Registration (5213-528-L2544-08)	Registration on 27 Jan 2006
4	Water Pollution Control (Discharge license No. 1U434/1)	Applied to EPD on 7 Feb 2006
5	Account for Disposal of Construction Waste No. 5004959	Registration on 27 Dec 2005
6	Piling Permit (PP No.RN0008-08)	Valid (22 May 2008 to 21 Feb 2009)
7	Construction Noise Permit (CNP No. GW-RN0479-07)	Valid (06 Nov 2007 to 05 May 2008)
8	Construction Noise Permit (CNP No. GW-RN0480-07)	Valid (06 Nov 2007 to 05 May 2008)

5.0 MONITORING RESULTS

PARAMETERS MONITORED

5.01 The environmental parameters monitoring in the reporting period is compliance with the monitoring requirements as in **Table 3-1**.

MONITORING LOCATIONS

5.02 There are four designated air quality and four noise monitoring stations under the project EP. For this reporting period, monitoring was carried out at four designated air (AM1, AM5, AM6 & AM7) and four noise (NM3, NM4, NM6 & NM7) monitoring stations/locations. The locations of the designated monitoring stations/locations are shown in **Table 5-1** and geographically in **Annex E**.

Table 5-1 Location of Air Quality and Construction Noise Monitoring Stations/Locations

Air Quality (4 Stations)	
AM1	Worksite boundary facing scattered house in Nam Sang Wai
AM5	Worksite boundary facing Fung Kat Heung
AM6	Worksite boundary facing scattered house near Route 3
AM7	Worksite boundary facing scattered house in Nam Sang Wai
Construction Noise (4 Locations)	
NM3	Village House in Nam Sang Wai
NM4	Village House in Nam Sang Wai
NM6	Scattered House near Route 3
NM7	Fung Kat Heung

MONITORING FREQUENCY AND PERIOD

5.03 The impact 24-Hour TSP monitoring was conducted at the designated stations once every 6 days in compliance with the updated EM&A manual. A totally 12 events of power supply damage or failure incident were disturbed the monitoring programme. However 24-Hr TSP were re-scheduled to monitoring as following day or resumed or repair upon electric resumed to supporting the HVS operation. Details of power supply damage or repair to re-schedule 24-hr TSP monitoring is listed in follow ***Table 5-2***.

Table 5-2 Re-scheduled 24-Hr TSP monitoring in Reporting Period

Station	Monitoring Date		Remarks
	Original	Re-Scheduling	
AM1	03 Mar 09	04 Mar 09	Power Supply Failure
AM5	29 Dec 08	30 Dec 28	Power Supply Failure
AM6	15 Jan 09	16 Jan 09	Power Supply Failure
	02 Feb 09	03 Feb 09	Power Supply Failure
	13 Feb 09	14 Feb 09	Power Supply Failure
	25 Feb 09	26 Feb 09	Power Supply Failure
	03 Mar 09	04 Mar 09	Power Supply Failure
	09 Mar 09	10 Mar 09	Power Supply Failure
	26 Mar 09	27 Mar 09	Power Supply Failure
AM7	19 Feb 09	20 Feb 09	Power Supply Failure
	25 Feb 09	02 Mar 09	Power Cable Damage

5.04 A total of **115** air quality monitoring events were carried out in the reporting period.

5.05 The impact noise monitoring was conducted at the designated stations once every 6 days in compliance with the updated EM&A manual. A total of **120** monitoring events were carried out in the reporting period.

MONITORING RESULTS AND GRAPHICAL PLOT IN THE REPORTING PERIOD

5.06 The graphical plot and monitoring results of air quality and construction noise for the reporting period are summarized in **Annex H**.

5.07 Five action and five limit levels exceedances were found in 24-hr TSP during the period. The locations of 24-hr TSP exceedance were included AM1, AM5, AM6 and AM7 of all designated Sensitive Receivers. Based on the information and the investigation provided by the Contractor, the exceedances were not considered to relate the project. The investigation of exceedances was stipulated in each representative EM&A monthly report. The detail of 24-hr TSP exceedance in this period is list as below.

Table 5-3 Details of 24-hr TSP Exceedance identified in Reporting Period

Station	Action Level ($\mu g/m^3$)	Limit Level ($\mu g/m^3$)	Date of Exceeded	Concentration ($\mu g/m^3$)	Exceedance Level
AM1	184	260	17 Dec 08	247	Action
			15 Jan 09	203	Action
			02 Feb 09	295	Limit
			09 Mar 09	196	Action
AM5	237	260	09 Jan 09	276	Limit
			03 Mar 09	251	Action
			14 Mar 09	347	Limit
AM6	183	260	25 Oct 08	213	Action
			29 Nov 08	646	Limit
AM7	204	260	02 Mar 09	284	Limit

5.08 The notifications and investigation reports were issued and submitted for IEC to close the exceedances

5.09 All construction noise monitoring were complied with the Limit Level and no noise complaint (Action Level) was received in this reporting period.

WEATHER CONDITIONS DURING THE MONITORING PERIOD

5.10 The meteorological data on the monitoring dates are summarized in **Annex I**.

OTHER FACTORS INFLUENCING THE MONITORING RESULTS

5.11 There were no other noticeable external factors generally affecting the monitoring results in the reporting period.

QA/QC RESULTS AND DETECTION LIMITS

5.12 Not applicable.

6.0 SOLID AND LIQUID WASTE MANAGEMENT STATUS

SOLID AND LIQUID WASTE MANAGEMENT STATUS

6.01 The cumulative quantities of waste for disposal or reuse in the reporting period are summarized in **Tables 6-1** and **6-2.**

Table 6-1 Cumulative Quantities of Waste for Disposal in the Reporting Period

Type of Waste	Quantity							Disposal Location
	Oct 08	Nov 08	Dec 08	Jan 09	Feb 09	Mar 09	Total	
C&D Materials (Inert) (tons) – Disposed	3.856	1.727	1.709	2.126	1.006	1.078	**11.502**	Tuen Mun 38 Fill Bank
C&D Materials (Inert) (tons) – Reused	0.08	1.32	0	0	0	0	**1.4**	DSD Contract DC/2005/02
C&D Materials (Non-Inert) (tons)	0	0	0	0	0	0	**0**	NA
Chemical Waste (Litres)	0	0	0	0	0	1.2	**1.2**	NA
General Refuse (tons)	0.051	0.05	0.051	0.04	0.039	0.081	**0.312**	Refuse Collector

Table 6-2 Cumulative Quantities of Waste for Reuse/Recycling in the Reporting Period

Type of Waste	Quantity							Disposal Location
	Oct 08	Nov 08	Dec 08	Jan 09	Feb 09	Mar 09	Total	
Metals for Recycling (kg)	0	25.24	0	0	0	12.7	**37.94**	NA
Paper for Recycling (kg)	0	0	0	0	0	0	**0**	NA
Plastics for Recycling (kg)	0	0	0	0	0	0	**0**	NA

6.02 There was no site effluent discharged but an estimated volume of less than $50m^3$ of surface runoff was discharged for each reporting month. The sampling of effluent had been carried out by the Contractor in the reporting period.

ENVIRONMENTAL SITE INSPECTIONS

6.03 In this reporting period, totally 19 weekly joint site inspections were undertaken by representatives of the Engineer, the Contractor and ET to evaluate the site environmental performance. Although total 28 observations were found no non-compliance was identified during the site weekly inspections. Six joint IEC site inspections had been taken in monthly basis, based on the joint IEC site audits to finding, no non-compliance is identified by IEC, however seventeen observations were recorded in the reporting period. Date of inspection and audit are summarized in **Table 6-3**.

Table 6-3 Date of Environmental Weekly Site Inspection and Monthly Audit in the Reporting Period

Reporting Months	Site Inspection Date	Checklist Reference Number
October 2008	10 Oct 08	DSD-AT101008
	14 Oct 08	DSD-AT141008
	21 Oct 08	DSD-AT211008
	31 Oct 08*	DSD-AT311008
November 2008	04 Nov 08	DSD-AT041108
	11 Nov 08	DSD-AT111108
	18 Nov 08	DSD-AT181108
	25 Nov 08	DSD-AT251108
	27 Nov 08*	DSD-AT271108
December 2008	02 Dec 08	DSD-AT021208
	09 Dec 08	DSD-AT091208
	16 Dec 08	DSD-AT161208
	23 Dec 08*	DSD-AT231208
	29 Dec 08	DSD-AT291208
January 2009	05 Jan 09	DSD-AT050109
	13 Jan 09	DSD-AT130109
	20 Jan 09*	DSD-AT200109
February 2009	03 Feb 09	DSD-AT030209
	10 Feb 09	DSD-AT100209
	17 Feb 09*	DSD-AT170209
	27 Feb 09	DSD-AT270209
March 2009	03 Mar 09	DSD-AT030309
	10 Mar 09	DSD-AT100309
	17 Mar 09	DSD-AT170309
	24 Mar 09*	DSD-AT240309

Note: *Joint IEC monthly site audit

6.04 The weekly/monthly site inspection and audit checklists in this reporting period were presented in the related Monthly EM&A Reports.

7.0 REPORT ON NON-COMPLIANCE (NC), COMPLAINTS, NOTIFICATIONS OF SUMMONS (NoS) AND SUCCESSFUL PROSECUTIONS

RECORD OF NON-COMPLIANCE OF ACTION AND LIMIT LEVELS

7.01 No project related Action or Limit Level exceedance was recorded in the reporting period. The summary of exceedance was presented in **Table 7-1**.

Table 7-1 Summaries of Exceedance in the Reporting Period

Reporting Month	Work-Related Exceedance (%) for 24-Hour TSP	Work-Related Exceedance (%) for Leq (30mins) Daytime
October 2008	0	0
November 2008	0	0
December 2008	0	0
January 2008	0	0
February 2009	0	0
March 2009	0	0

RECORD OF ENVIRONMENTAL COMPLAINTS RECEIVED

7.02 No environmental complaint was received in the reporting period and summary of was presented in **Table 7-2**.

Table 7-2 Summaries of Environmental Complaint in the Reporting Period

Reporting Month	Complaint Statistics		
	Frequency	Cumulative	Complaint Nature
October 2008	0	0	NA
November 2008	0	0	NA
December 2008	0	0	NA
January 2008	0	0	NA
February 2009	0	0	NA
March 2009	0	0	NA

RECORD OF NOTIFICATIONS OF SUMMONS AND SUCCESSFUL PROSECUTION

7.03 No notification of summons or prosecution was received in the reporting period. The summary of environmental summons and prosecution was presented in **Table 7-3**.

Table 7-3 Summaries of Environmental Summons and Prosecution in the Reporting Period

Reporting Month	Environmental Summons and Prosecution Statistics		
	Summons	Prosecution	Nature
October 2008	0	0	NA
November 2008	0	0	NA
December 2008	0	0	NA
January 2008	0	0	NA
February 2009	0	0	NA
March 2009	0	0	NA

REVIEW OF REASONS FOR AND IMPLICATIONS OF NC, COMPLAINTS AND NOS

7.04 No NC, complaints or NoS received in the reporting period.

DESCRIPTION OF FOLLOW-UP ACTIONS TAKEN

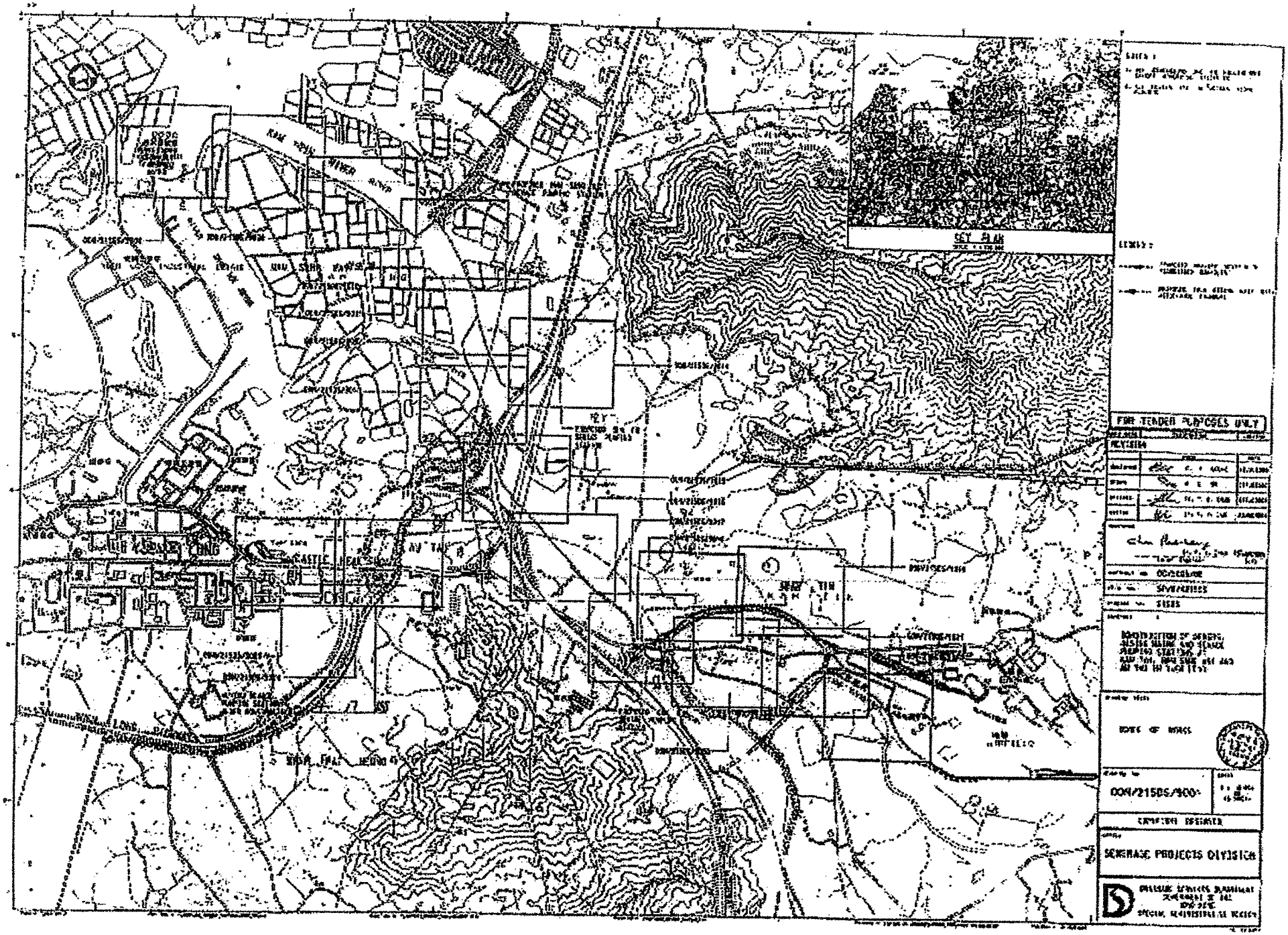
7.05 No NC, complaints or NoS received in the reporting period.

8.0 CONCULSIONS FOR THE PERIOD OCTOBER 2008 TO MARCH 2009

8.01 Based on the data collected and reviewed for the period between **October 2008 to March 2009** (as reported herein), it can be confirmed that the monitoring work is effective and that it is generating data to categorically confirm the observation of impact attributable to the works.

Annex A

Project Site Layout

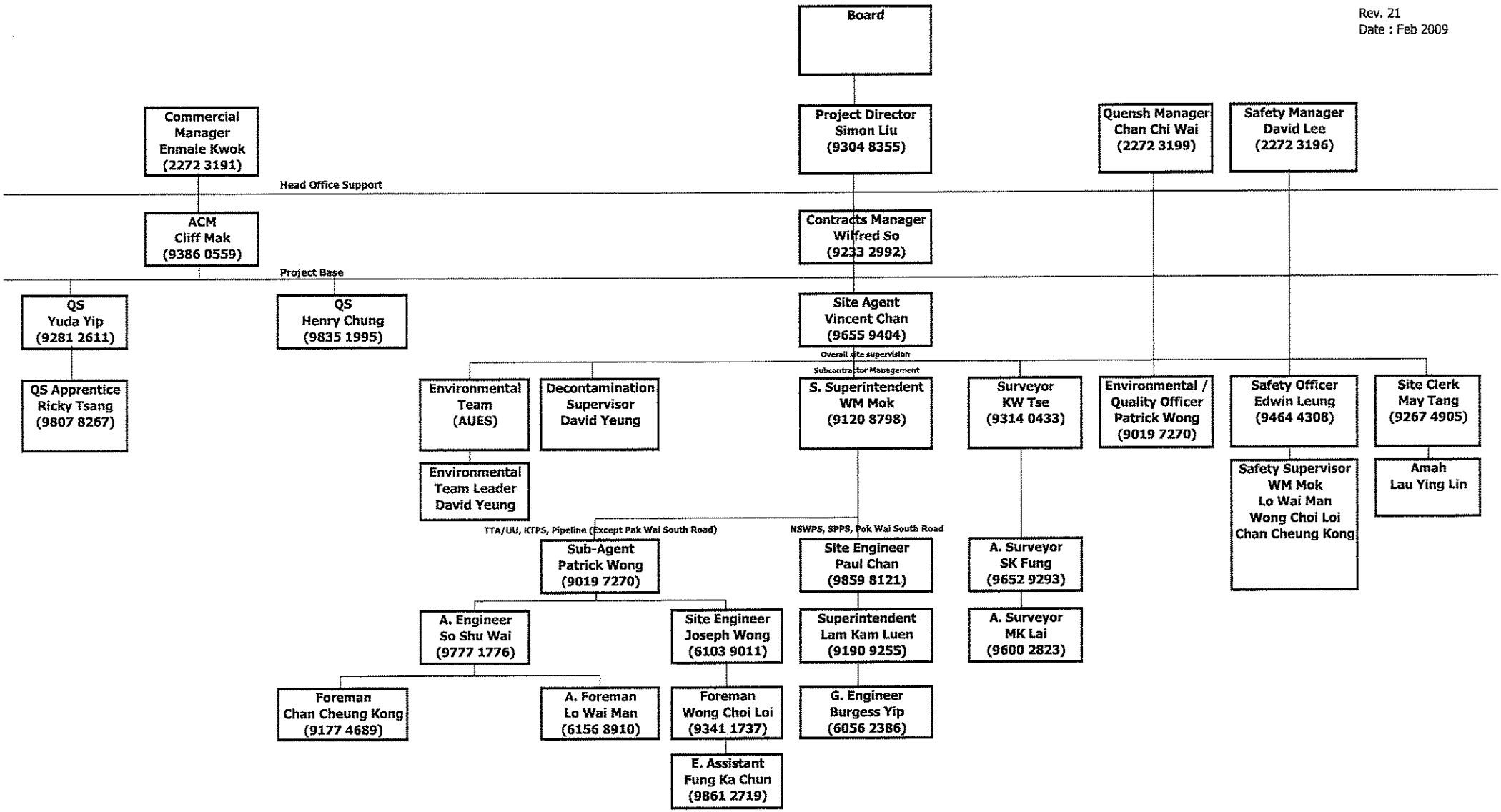

KEY PLAN
FOR TENDER PURPOSES ONLY
SEWERAGE PROJECTS DIVISION

Annex B

Project Organization and Management Structure

DSD Contract No. DC/2005/02
Construction of Sewers, Rising Mains and Sewage Pumping Station at Kam Tin Nam Sang Wai and Au Tau in Yuen Long
Contractor's Site Organization Chart

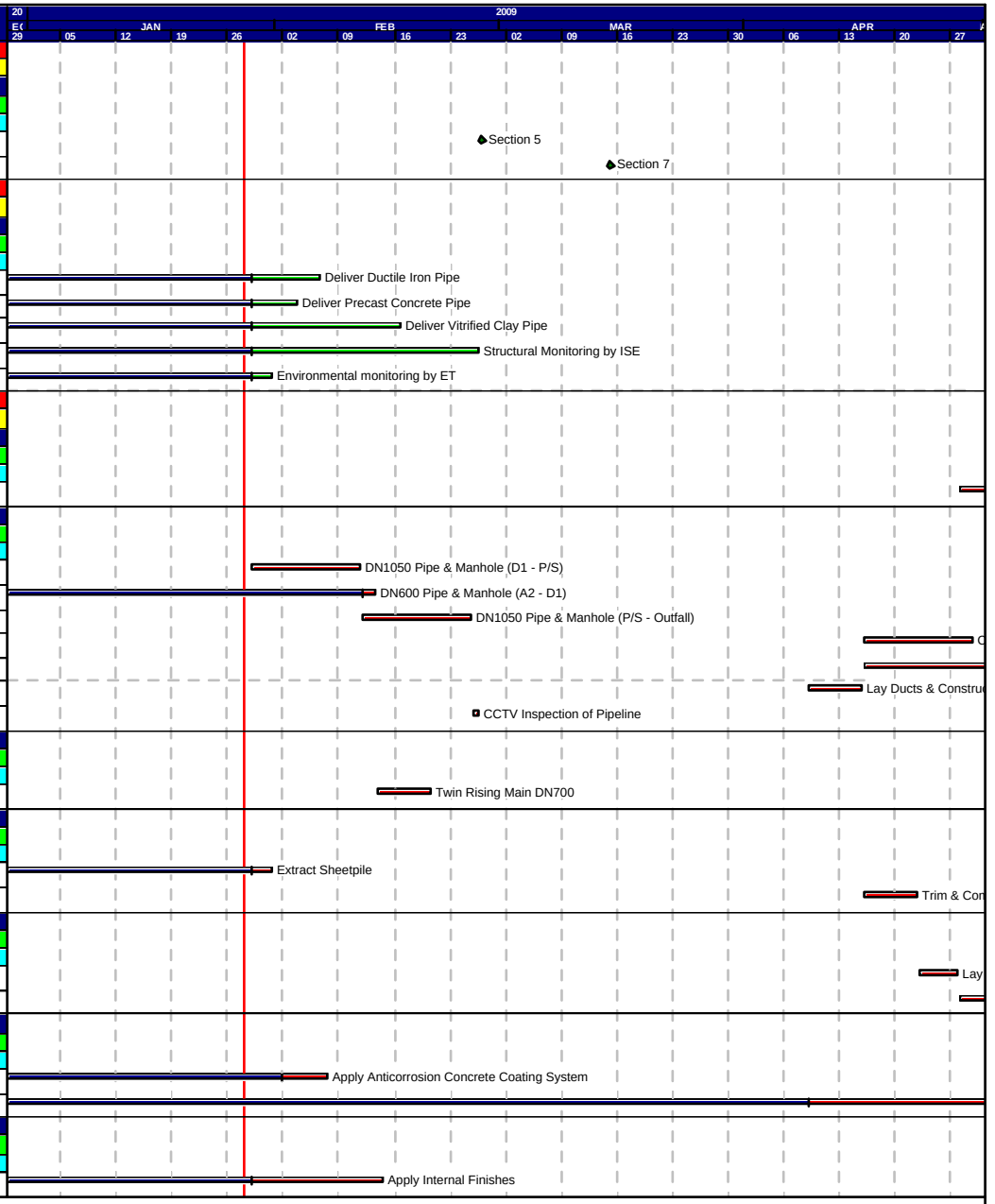
Rev. 21
Date : Feb 2009



Annex C

Construction Program

Act ID	Description	Orig Dur	Total Float	Percent Complete	Early Start	Early Finish	Late Start	Late Finish
Section Completion / Key Date								
CD5000	Section 5	0	-99d	0		26FEB09		19NOV08 *
CD7000	Section 7	0	-388d	0		14MAR09		20FEB08 *
Preliminaries								
PR2900	Deliver Ductile Iron Pipe	800	133d	99	29APR06 A	06FEB09	29APR06 A	16JUL09
PR3100	Deliver Precast Concrete Pipe	800	136d	99	24APR06 A	03FEB09	24APR06 A	16JUL09
PR3300	Deliver Vitrified Clay Pipe	800	125d	98	10APR06 A	16FEB09	10APR06 A	16JUL09
PR3400	Structural Monitoring by ISE	835	116d	97	06APR06 A	26FEB09	06APR06 A	16JUL09
PR3500	Environmental monitoring by ET	814	138d	100	06APR06 A	31JAN09	06APR06 A	16JUL09
Section 1 - Kam Tin Sewage Pumping Station								
Portion A								
Fencing								
S1AD1300	Install GMS Panel Fence	8	-143d	0	28APR09	07MAY09	04NOV08	12NOV08
Drainage and Ducts								
Trench Method								
S1AEA100	DN1050 Pipe & Manhole (D1 - P/S)	12	-108d	0	29JAN09	11FEB09	16SEP08	29SEP08
S1AEA110	DN600 Pipe & Manhole (A2 - D1)	12	-98d	80	27FEB08 A	13FEB09	27FEB08 A	15OCT08
S1AEA120	DN1050 Pipe & Manhole (P/S - Outfall)	12	-108d	0	12FEB09	25FEB09	30SEP08	15OCT08
S1AEA130	Construct Flow Meter Chamber	12	-143d	0	16APR09	29APR09	23OCT08	05NOV08
S1AEA140	Construct U-Channel & Catchpits	30	-143d	0	16APR09	21MAY09	23OCT08	26NOV08
S1AEA150	Lay Ducts & Construct Drawpits	6	-143d	0	09APR09	15APR09	16OCT08	22OCT08
S1AEA190	CCTV Inspection of Pipeline	1	-73d	0	26FEB09	26FEB09	26NOV08	26NOV08
Pipework - Rising Main								
Trench Method								
S1AFA100	Twin Rising Main DN700	6	-98d	0	14FEB09	20FEB09	16OCT08	22OCT08
Earthworks								
S1AG2600	Extract Sheetpile	10	-95d	70	03APR08 A	31JAN09	03APR08 A	04OCT08
S1AG2700	Trim & Compact Formation of Paved Areas	6	-143d	0	16APR09	22APR09	23OCT08	29OCT08
Roads and Pavings								
S1AH1000	Lay 250mm Granular Fill Material Base	4	-143d	0	23APR09	27APR09	30OCT08	03NOV08
S1AH1100	Construct Concrete Paved Areas	18	-143d	0	28APR09	19MAY09	04NOV08	24NOV08
In-Situ Concrete								
S1AL1900	Apply Anticorrosion Concrete Coating System	32	-95d	80	10OCT08 A	07FEB09	10OCT08 A	13OCT08
S1AL2100	Construct Boundary Wall	45	-143d	25	18OCT08 A	18MAY09	18OCT08 A	22NOV08
Finishings								
S1AQ1000	Apply Internal Finishes	60	-63d	75	10OCT08 A	14FEB09	10OCT08 A	26NOV08



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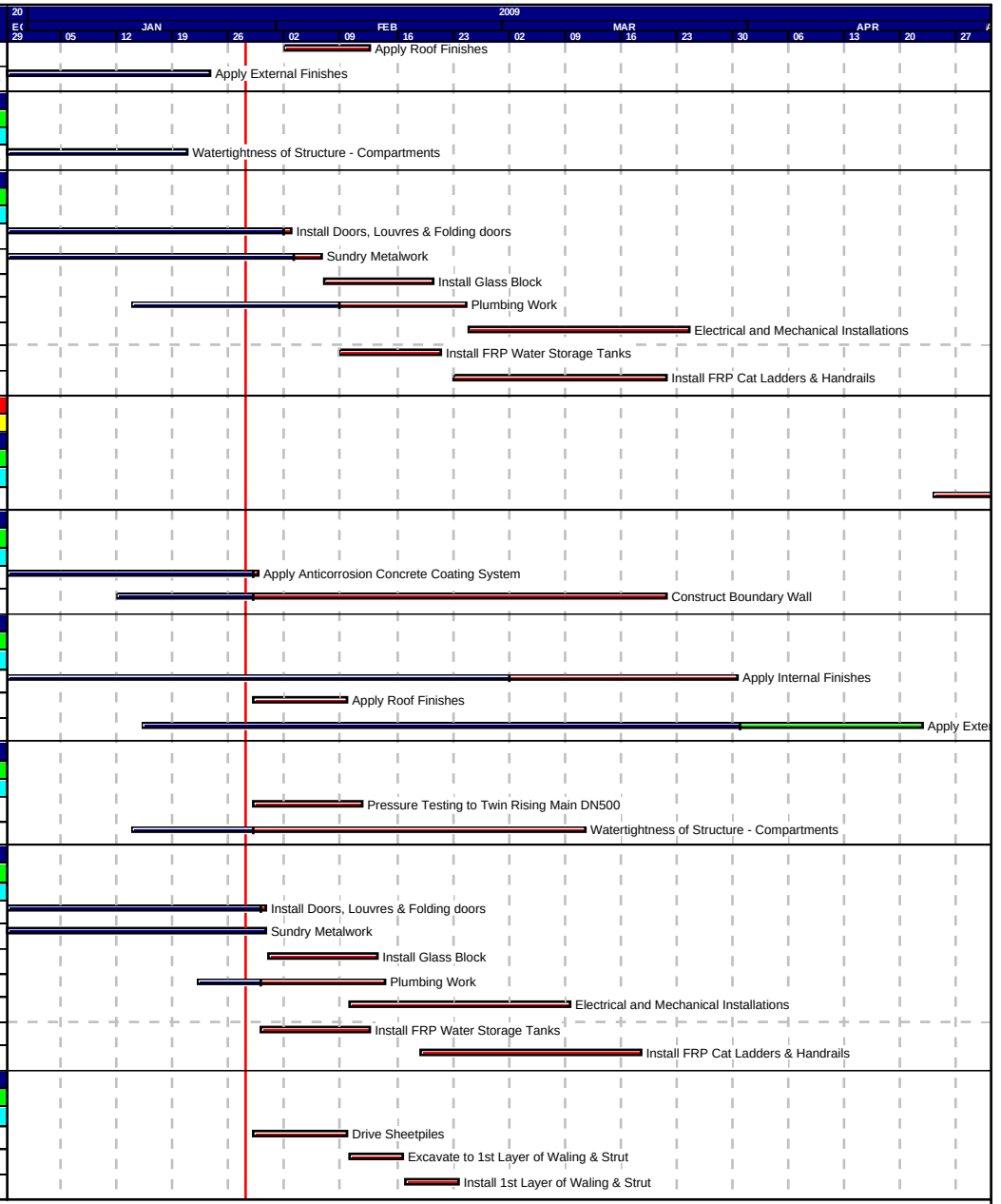
S1AQ1050	Apply Roof Finishes	10	-61d	0	02FEB09	12FEB09	15NOV08	26NOV08
S1AQ1100	Apply External Finishes	30		100	23OCT08 A	23JAN09 A	23OCT08 A	23JAN09 A
Testing								
S1AS1100	Watertightness of Structure - Compartments	72		100	10NOV08 A	20JAN09 A	10NOV08 A	20JAN09 A
Miscellaneous								
S1AT1000	Install Doors, Louvres & Folding doors	30	-47d	95	14OCT08 A	02FEB09	14OCT08 A	02DEC08
S1AT1100	Sundry Metalwork	12	-44d	60	15DEC08 A	06FEB09	15DEC08 A	10DEC08
S1AT1200	Install Glass Block	12	-44d	0	07FEB09	20FEB09	11DEC08	24DEC08
S1AT1300	Plumbing Work	24	-95d	40	14JAN09 A	24FEB09	14JAN09 A	29OCT08
S1AT1400	Electrical and Mechanical Installations	24	-95d	0	25FEB09	24MAR09	30OCT08	26NOV08
S1AT1500	Install FRP Water Storage Tanks	12	-93d	0	09FEB09	21FEB09	16OCT08	29OCT08
S1AT1600	Install FRP Cat Ladders & Handrails	24	-93d	0	23FEB09	21MAR09	30OCT08	26NOV08
Section 2 - Sha Po Sewage Pumping Station								
Portion B								
Drainage and Ducts								
Trench Method								
S2BEA100	DN900 Pipe & Manhole (F1 - P/S)	12	-156d	0	24APR09	08MAY09	16OCT08	29OCT08
In-Situ Concrete								
S2BL1800	Apply Anticorrosion Concrete Coating System	24	-111d	95	10DEC08 A	29JAN09	10DEC08 A	11SEP08
S2BL2000	Construct Boundary Wall	47	-120d	5	12JAN09 A	21MAR09	12JAN09 A	25OCT08
Finishings								
S2BQ1000	Apply Internal Finishes	50	-111d	50	09DEC08 A	30MAR09	09DEC08 A	13NOV08
S2BQ1050	Apply Roof Finishes	10	-69d	0	29JAN09	09FEB09	03NOV08	13NOV08
S2BQ1100	Apply External Finishes	25	27d	25	15JAN09 A	22APR09	15JAN09 A	25MAY09
Testing								
S2BS1000	Pressure Testing to Twin Rising Main DN500	12	-71d	0	29JAN09	11FEB09	31OCT08	13NOV08
S2BS1100	Watertightness of Structure - Compartments	66	-111d	45	14JAN09 A	11MAR09	14JAN09 A	25OCT08
Miscellaneous								
S2BT1000	Install Doors, Louvres & Folding doors	30	-82d	95	22DEC08 A	30JAN09	22DEC08 A	20OCT08
S2BT1100	Sundry Metalwork	12	-82d	95	27DEC08 A	30JAN09	27DEC08 A	20OCT08
S2BT1200	Install Glass Block	12	-82d	0	31JAN09	13FEB09	21OCT08	03NOV08
S2BT1300	Plumbing Work	24	-103d	40	22JAN09 A	14FEB09	22JAN09 A	10OCT08
S2BT1400	Electrical and Mechanical Installations	24	-103d	0	10FEB09	09MAR09	04OCT08	01NOV08
S2BT1500	Install FRP Water Storage Tanks	12	-106d	0	30JAN09	12FEB09	19SEP08	03OCT08
S2BT1600	Install FRP Cat Ladders & Handrails	24	-111d	0	19FEB09	18MAR09	04OCT08	01NOV08
Additonal Works / Disruption								
Revised B/Wall Details at SPPS (Claim No.030)								
S2BV2000	Drive Sheetpiles	10	-485d	0	29JAN09	09FEB09	11JUN07	22JUN07
S2BV2010	Excavate to 1st Layer of Waling & Strut	6	-485d	0	10FEB09	16FEB09	23JUN07	29JUN07
S2BV2020	Install 1st Layer of Waling & Strut	6	-485d	0	17FEB09	23FEB09	30JUN07	07JUL07



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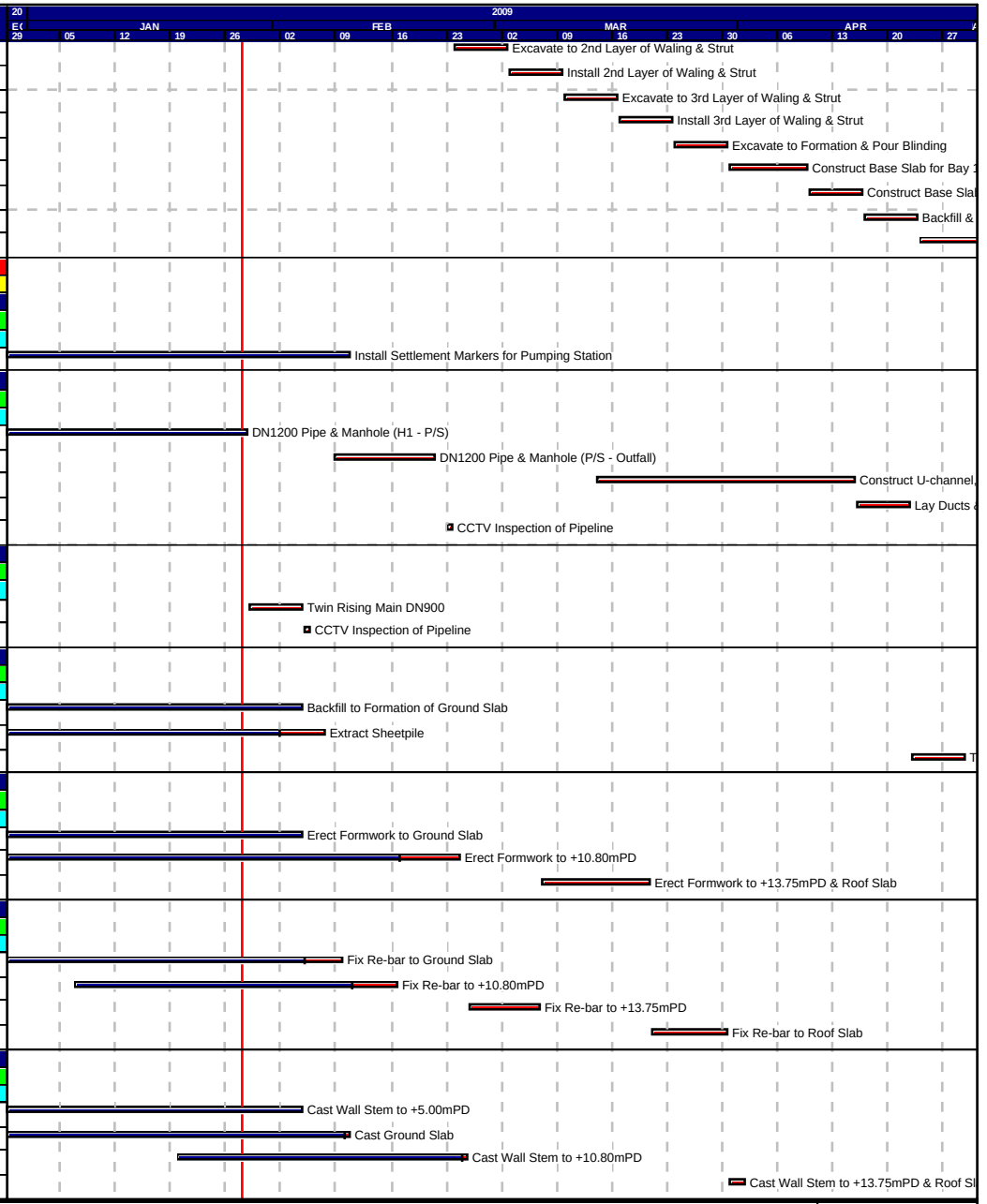
S2BV2030	Excavate to 2nd Layer of Waling & Strut	6	-485d	0	24FEB09	02MAR09	09JUL07	14JUL07
S2BV2040	Install 2nd Layer of Waling & Strut	6	-485d	0	03MAR09	09MAR09	16JUL07	21JUL07
S2BV2050	Excavate to 3rd Layer of Waling & Strut	6	-485d	0	10MAR09	16MAR09	23JUL07	28JUL07
S2BV2060	Install 3rd Layer of Waling & Strut	6	-485d	0	17MAR09	23MAR09	30JUL07	04AUG07
S2BV2070	Excavate to Formation & Pour Blinding	6	-485d	0	24MAR09	30MAR09	06AUG07	11AUG07
S2BV2080	Construct Base Slab for Bay 1 & 3	8	-485d	0	31MAR09	09APR09	13AUG07	21AUG07
S2BV2090	Construct Base Slab for Bay 2 & 4	6	-485d	0	10APR09	16APR09	22AUG07	28AUG07
S2BV2100	Backfill & Remove 3rd Layer of Waling & Strut	6	-485d	0	17APR09	23APR09	29AUG07	04SEP07
S2BV2110	Construct Wall Stem 1st Lift for Bay 1 & 3	8	-485d	0	24APR09	04MAY09	05SEP07	13SEP07
Section 3 - Nam Sang Wai Sewage Pumping Station								
Portion C								
Ground Investigation								
S3CB1700	Install Settlement Markers for Pumping Station	2	-180d	75	01DEC07 A	10FEB09	01DEC07 A	04JUL08
Drainage and Ducts								
Trench Method								
S3CEA100	DN1200 Pipe & Manhole (H1 - P/S)	12		100	13JUN08 A	28JAN09	13JUN08 A	28JAN09
S3CEA140	DN1200 Pipe & Manhole (P/S - Outfall)	12	-184d	0	09FEB09	21FEB09	27JUN08	11JUL08
S3CEA150	Construct U-channel, Dish Channel & Catchpit	27	-184d	0	14MAR09	15APR09	01AUG08	01SEP08
S3CEA160	Lay Ducts & Construct Drawpit	6	-184d	0	16APR09	22APR09	02SEP08	08SEP08
S3CEA210	CCTV Inspection of Pipeline	1	-97d	0	23FEB09	23FEB09	25OCT08	25OCT08
Pipework - Rising Main								
Trench Method								
S3CFA100	Twin Rising Main DN900	6	-184d	0	29JAN09	04FEB09	17JUN08	23JUN08
S3CFA120	CCTV Inspection of Pipeline	1	-94d	0	05FEB09	05FEB09	11OCT08	11OCT08
Earthworks								
S3CG2800	Backfill to Formation of Ground Slab	8	-184d	95	20OCT08 A	04FEB09	20OCT08 A	23JUN08
S3CG2900	Extract Sheetpile	11	-184d	45	04NOV08 A	07FEB09	04NOV08 A	26JUN08
S3CG3000	Trim & Compact Formation of Paved Areas	6	-184d	0	23APR09	29APR09	09SEP08	16SEP08
Formwork								
S3CJ1600	Erect Formwork to Ground Slab	8	-180d	90	15NOV08 A	04FEB09	15NOV08 A	27JUN08
S3CJ1700	Erect Formwork to +10.80mPD	12	-180d	40	23DEC08 A	24FEB09	23DEC08 A	18JUL08
S3CJ1800	Erect Formwork to +13.75mPD & Roof Slab	12	-180d	0	07MAR09	20MAR09	30JUL08	12AUG08
Steel Reinforcement								
S3CK1500	Fix Re-bar to Ground Slab	8	-180d	50	26NOV08 A	09FEB09	26NOV08 A	03JUL08
S3CK1600	Fix Re-bar to +10.80mPD	8	-180d	40	07JAN09 A	16FEB09	07JAN09 A	10JUL08
S3CK1700	Fix Re-bar to +13.75mPD	8	-180d	0	26FEB09	06MAR09	21JUL08	29JUL08
S3CK1800	Fix Re-bar to Roof Slab	8	-180d	0	21MAR09	30MAR09	13AUG08	21AUG08
In-Situ Concrete								
S3CL1550	Cast Wall Stem to +5.00mPD	2	-184d	75	03OCT08 A	04FEB09	03OCT08 A	23JUN08
S3CL1600	Cast Ground Slab	2	-180d	50	18DEC08 A	10FEB09	18DEC08 A	04JUL08
S3CL1700	Cast Wall Stem to +10.80mPD	2	-180d	40	20JAN09 A	25FEB09	20JAN09 A	19JUL08
S3CL1800	Cast Wall Stem to +13.75mPD & Roof Slab	2	-180d	0	31MAR09	01APR09	22AUG08	23AUG08



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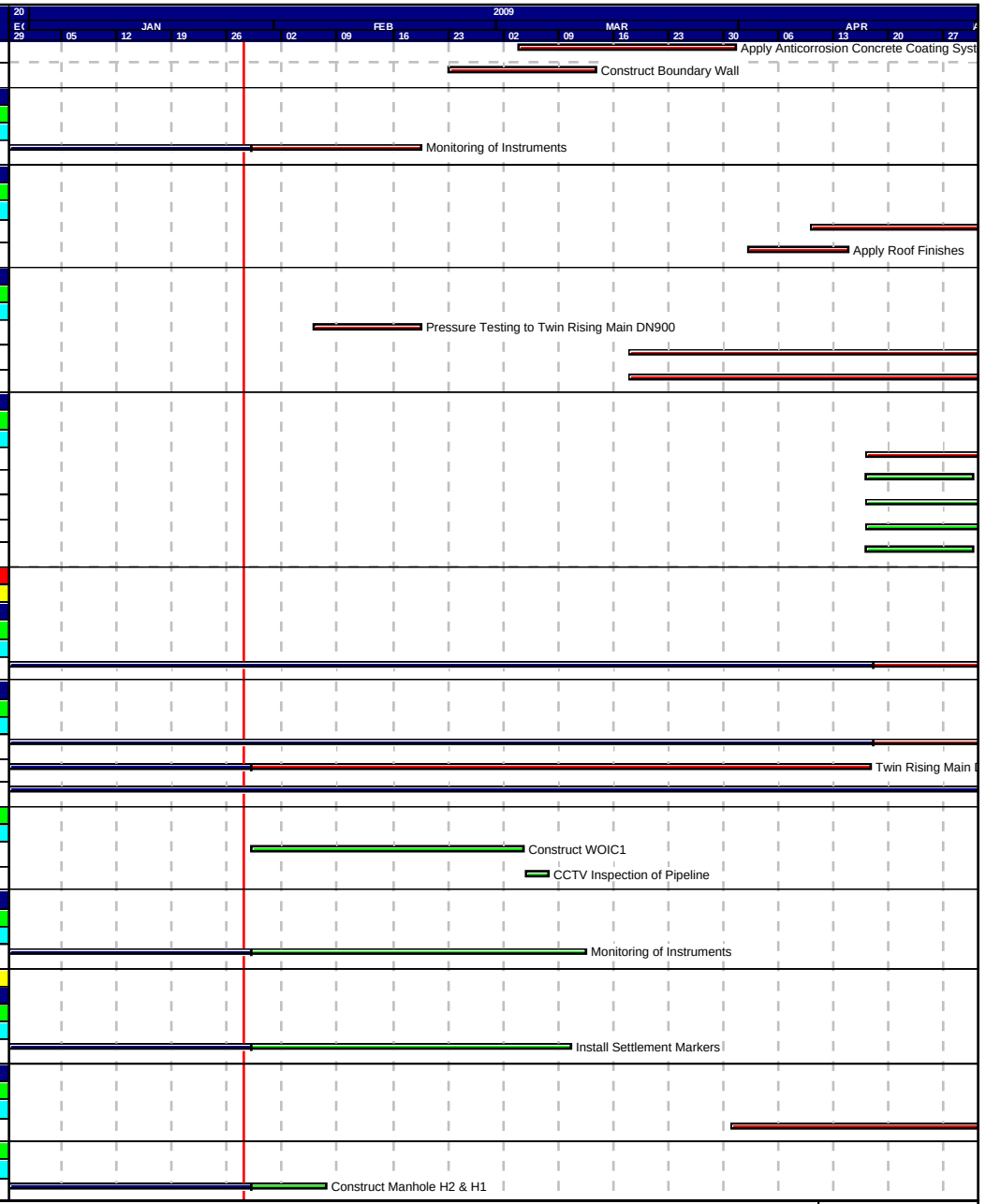
S3CL1900	Apply Anticorrosion Concrete Coating System	24	-176d	0	04MAR09	31MAR09	31JUL08	27AUG08
S3CL2100	Construct Boundary Wall	17	-184d	0	23FEB09	13MAR09	12JUL08	31JUL08
Geotechnical works								
S3CP1000	Monitoring of Instruments	787	-94d	98	06APR06 A	19FEB09	06APR06 A	25OCT08
Finishings								
S3CQ1000	Apply Internal Finishes	45	-180d	0	10APR09	03JUN09	01SEP08	25OCT08
S3CQ1050	Apply Roof Finishes	10	-139d	0	02APR09	14APR09	15OCT08	25OCT08
Testing								
S3CS1000	Pressure Testing to Twin Rising Main DN900	12	-94d	0	06FEB09	19FEB09	13OCT08	25OCT08
S3CS1100	Watertightness of Structure - Grid D-E	40	-176d	0	18MAR09	05MAY09	14AUG08	30SEP08
S3CS1210	Watertightness of Structure - Grid F-G	40	-176d	0	18MAR09	05MAY09	14AUG08	30SEP08
Miscellaneous								
S3CT1000	Install Doors, Louvres & Folding doors	30	-180d	0	17APR09	22MAY09	08SEP08	15OCT08
S3CT1100	Sundry Metalwork	12	8d	0	17APR09	30APR09	27APR09	11MAY09
S3CT1300	Plumbing Work	24	8d	0	17APR09	15MAY09	27APR09	25MAY09
S3CT1400	Electrical and Mechanical Installations	24	8d	0	17APR09	15MAY09	27APR09	25MAY09
S3CT1500	Install FRP Water Storage Tanks	12	8d	0	17APR09	30APR09	27APR09	11MAY09
Section 4 - Sewers & RM in Portion D, F, G, H, I								
Portion D								
Drainage and Ducts								
Trench Method								
S4DEA100	DN1200 Pipe & Manhole (G1-Treatment Plant)	60	-6d	40	31MAR08 A	01JUN09	31MAR08 A	23MAY09
Pipework - Rising Main								
Trench Method								
S4DFA110	Twin Rising Main DN900 (ChA1850- WOIC1)	101	-15d	55	15DEC06 A	12JUN09	15DEC06 A	25MAY09
S4DFA120	Twin Rising Main DN900 (ChA2095 - ChA2215)	148	-15d	55	20DEC07 A	17APR09	20DEC07 A	30MAR09
S4DFA130	CCTV Inspection of Plpeline	5	-1d	20	16AUG08 A	12MAY09	16AUG08 A	11MAY09
Trenchless Method								
S4DFB110	Construct WOIC1	30	22d	0	29JAN09	04MAR09	24FEB09	30MAR09
S4DFB120	CCTV Inspection of Pipeline	3	53d	0	05MAR09	07MAR09	08MAY09	11MAY09
Geotechnical works								
S4DP1000	Monitoring of Instruments	602	61d	94	02NOV06 A	12MAR09	02NOV06 A	25MAY09
Portion F								
Ground Investigation								
S4FB1500	Install Settlement Markers	698	63d	95	27APR06 A	10MAR09	27APR06 A	25MAY09
Drainage and Ducts								
Trench Method								
S4FEA100	DN900 Pipe & Manhole (H8 - H7) 1st Stage	53	-77d	0	31MAR09	03JUN09	24DEC08	02MAR09
Trenchless Method								
S4FEB104	Construct Manhole H2 & H1	27	84d	65	27SEP08 A	07FEB09	27SEP08 A	19MAY09



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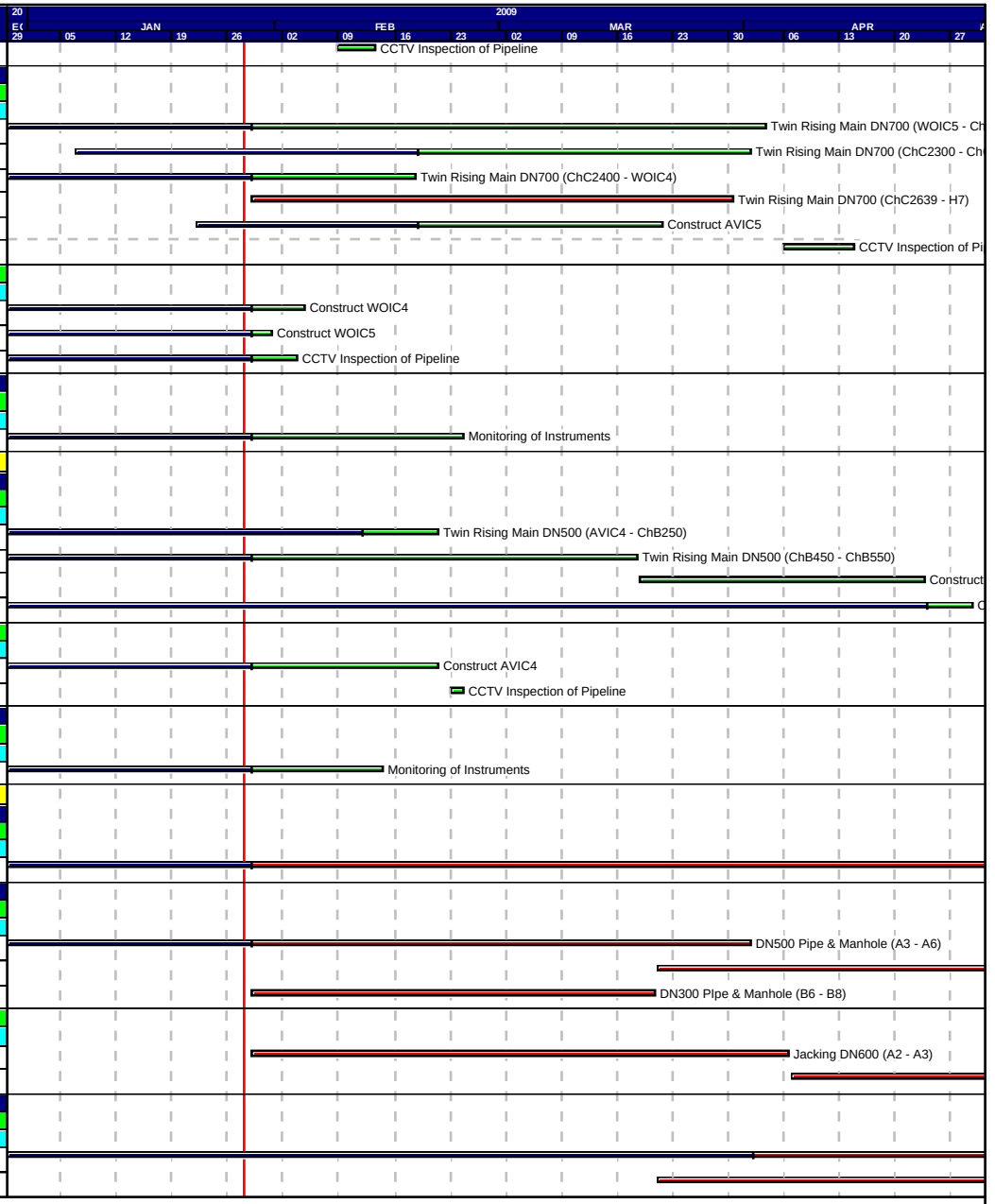
S4FEB160	CCTV Inspection of Pipeline	5	84d	0	09FEB09	13FEB09	20MAY09	25MAY09
Pipework - Rising Main								
Trench Method								
S4FFA130	Twin Rising Main DN700 (WOIC5 - ChC2000)	80	22d	30	05JUN08 A	03APR09	05JUN08 A	30APR09
S4FFA200	Twin Rising Main DN700 (ChC2300 - ChC2350)	45	24d	20	07JAN09 A	01APR09	07JAN09 A	30APR09
S4FFA220	Twin Rising Main DN700 (ChC2400 - WOIC4)	93	24d	80	13SEP08 A	18FEB09	13SEP08 A	18MAR09
S4FFA230	Twin Rising Main DN700 (ChC2639 - H7)	52	-77d	0	29JAN09	30MAR09	24OCT08	23DEC08
S4FFA240	Construct AVIC5	30	33d	10	22JAN09 A	21MAR09	22JAN09 A	30APR09
S4FFA260	CCTV Inspection of Pipeline	8	22d	0	06APR09	14APR09	02MAY09	11MAY09
Trenchless Method								
S4FFB120	Construct WOIC4	30	36d	80	10JUN08 A	04FEB09	10JUN08 A	18MAR09
S4FFB130	Construct WOIC5	30	75d	90	28JUN08 A	31JAN09	28JUN08 A	30APR09
S4FFB140	CCTV Inspection of Pipeline	5	81d	10	16AUG08 A	03FEB09	16AUG08 A	11MAY09
Geotechnical works								
S4FP1000	Monitoring of Instruments	772	75d	97	05JUN06 A	24FEB09	05JUN06 A	25MAY09
Portion G								
Pipework - Rising Main								
Trench Method								
S4GFA100	Twin Rising Main DN500 (AVIC4 - ChB250)	98	60d	90	26JUN08 A	21FEB09	26JUN08 A	05MAY09
S4GFA130	Twin Rising Main DN500 (ChB450 - ChB550)	84	9d	50	16JAN08 A	18MAR09	16JAN08 A	28MAR09
S4GFA170	Construct WOIC3	30	9d	0	19MAR09	23APR09	30MAR09	05MAY09
S4GFA190	CCTV Inspection of Pipeline	9	9d	50	06MAR07 A	29APR09	06MAR07 A	11MAY09
Trenchless Method								
S4GFB110	Construct AVIC4	30	60d	30	09JUL08 A	21FEB09	09JUL08 A	05MAY09
S4GFB120	CCTV Inspection of Pipeline	2	63d	0	23FEB09	24FEB09	09MAY09	11MAY09
Geotechnical works								
S4GP1000	Monitoring of Instruments	720	83d	98	22APR06 A	14FEB09	22APR06 A	25MAY09
Portion H								
Ground Investigation								
S4HB1300	Install Settlement Markers	727	-35d	82	26MAY06 A	07JUL09	26MAY06 A	25MAY09
Drainage and Ducts								
Trench Method								
S4HEA100	DN500 Pipe & Manhole (A3 - A6)	90	-105d	40	03OCT08 A	01APR09	03OCT08 A	22NOV08
S4HEA190	DN300 Pipe & Manhole (B4 - B6)	67	-179d	0	21MAR09	10JUN09	14AUG08	03NOV08
S4HEA200	DN300 PIpe & Manhole (B6 - B8)	44	-179d	0	29JAN09 *	20MAR09	23JUN08	13AUG08
Trenchless Method								
S4HEB102	Jacking DN600 (A2 - A3)	57	-105d	0	29JAN09	06APR09	19SEP08	26NOV08
S4HEB104	Construct Manholes A2 & A3	27	-105d	0	07APR09	08MAY09	27NOV08	30DEC08
Pipework - Rising Main								
Trench Method								
S4HFA100	Twin Rising Main DN700 (ChC63 - ChC170)	45	-7d	40	08OCT08 A	05MAY09	08OCT08 A	25APR09
S4HFA180	Twin Rising Main DN700 (ChC850 - ChC950)	125	-95d	0	21MAR09	18AUG09	24NOV08	25APR09



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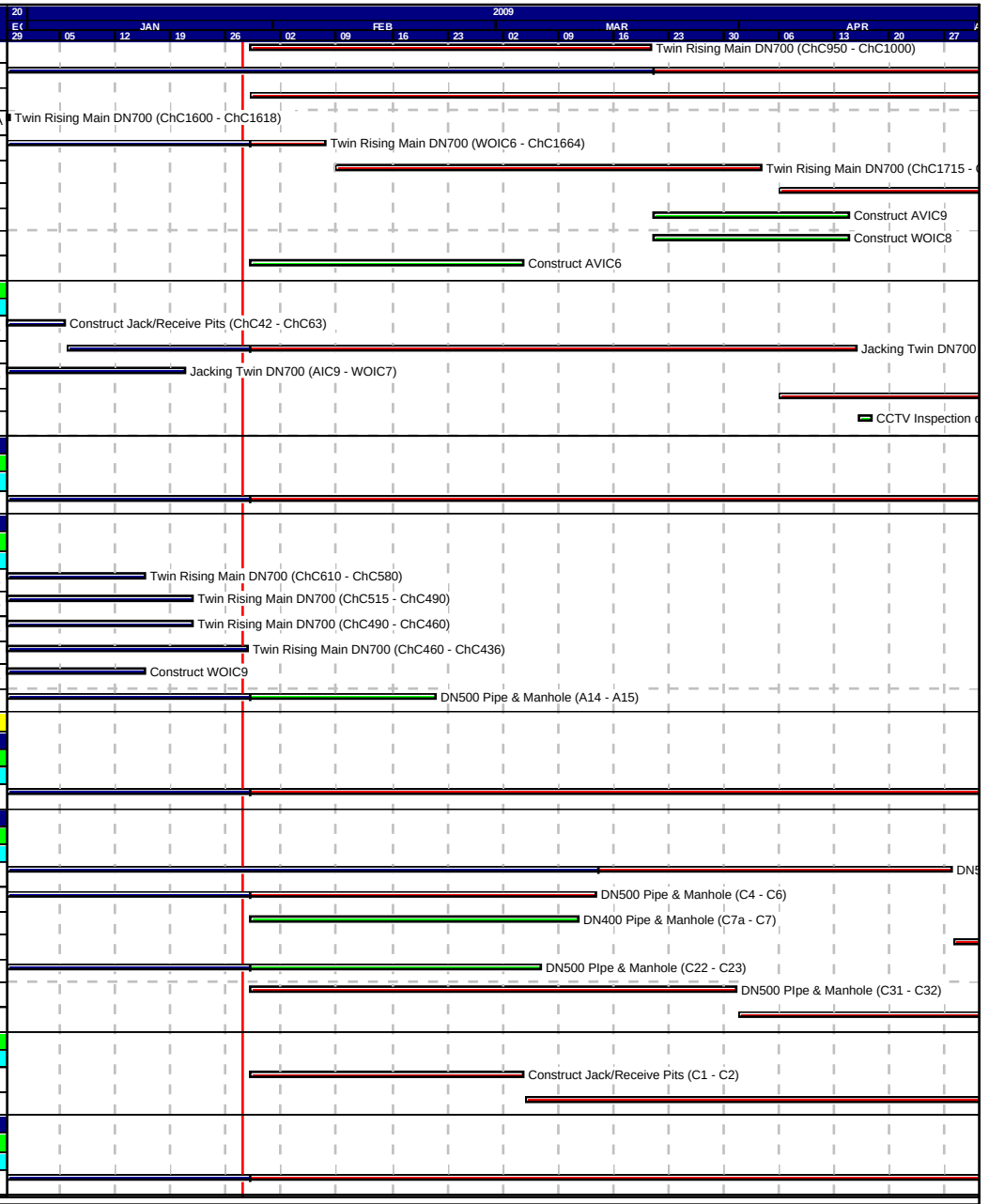
S4HFA190	Twin Rising Main DN700 (ChC950 - ChC1000)	44	-95d	0	29JAN09	20MAR09	02OCT08	22NOV08
S4HFA220	Twin Rising Main DN700 (ChC1250 - WOIC7)	104	-32d	40	20AUG08 A	04JUN09	20AUG08 A	25APR09
S4HFA240	Twin Rising Main DN700 (ChC1450 - ChC1550)	110	-160d	0	29JAN09	09JUN09	16JUL08	24NOV08
S4HFA250	Twin Rising Main DN700 (ChC1600 - ChC1618)	44		100	10JUN08 A	29DEC08 A	10JUN08 A	29DEC08 A
S4HFA251	Twin Rising Main DN700 (WOIC6 - ChC1664)	47	-106d	80	12JUN08 A	07FEB09	12JUN08 A	27SEP08
S4HFA261	Twin Rising Main DN700 (ChC1715 - ChC1750)	47	-106d	0	09FEB09	03APR09	29SEP08	24NOV08
S4HFA270	Twin Rising Main DN700 (ChC1750 - AVIC6)	124	-106d	0	06APR09	31AUG09	25NOV08	25APR09
S4HFA300	Construct AVIC9	20	10d	0	21MAR09	14APR09	02APR09	25APR09
S4HFA310	Construct WOIC8	20	10d	0	21MAR09	14APR09	02APR09	25APR09
S4HFA350	Construct AVIC6	30	44d	0	29JAN09	04MAR09	21MAR09	25APR09
Trenchless Method								
S4HFB100	Construct Jack/Receive Pits (ChC42 - ChC63)	57		100	24OCT08 A	05JAN09 A	24OCT08 A	05JAN09 A
S4HFB102	Jacking Twin DN700 (ChC42 - ChC63)	65	-143d	0	06JAN09 A	15APR09	06JAN09 A	22OCT08
S4HFB112	Jacking Twin DN700 (AIC9 - WOIC7)	69		100	05DEC08 A	20JAN09 A	05DEC08 A	20JAN09 A
S4HFB120	Construct WOIC7	30	-74d	0	06APR09	11MAY09	05JAN09	11FEB09
S4HFB130	CCTV Inspection of Pipeline	2	19d	0	16APR09	17APR09	09MAY09	11MAY09
Geotechnical works								
S4HP1000	Monitoring of Instruments	947	-94d	80	26MAY06 A	14SEP09	26MAY06 A	25MAY09
Additional Works / Disruption								
Re-alignment btn ChC420 & ChC607 (Claim No. 118)								
S4HV1310	Twin Rising Main DN700 (ChC610 - ChC580)	40		100	23JUL08 A	15JAN09 A	23JUL08 A	15JAN09 A
S4HV1340	Twin Rising Main DN700 (ChC515 - ChC490)	20		100	06OCT08 A	21JAN09 A	06OCT08 A	21JAN09 A
S4HV1350	Twin Rising Main DN700 (ChC490 - ChC460)	20		100	06OCT08 A	21JAN09 A	06OCT08 A	21JAN09 A
S4HV1360	Twin Rising Main DN700 (ChC460 - ChC436)	20		100	10OCT08 A	28JAN09	10OCT08 A	28JAN09
S4HV1380	Construct WOIC9	20		100	29AUG08 A	15JAN09 A	29AUG08 A	15JAN09 A
S4HV1410	DN500 Pipe & Manhole (A14 - A15)	30	53d	30	24OCT08 A	21FEB09	24OCT08 A	25APR09
Portion I								
Ground Investigation								
S4IB1300	Install Settlement Markers	736	-60d	79	26JUN06 A	05AUG09	26JUN06 A	25MAY09
Drainage and Ducts								
Trench Method								
S4IEA1000	DN500 Pipe & Manhole (C2 - C4)	58	-65d	35	24DEC08 A	27APR09	24DEC08 A	09FEB09
S4IEA1020	DN500 Pipe & Manhole (C4 - C6)	76	-65d	50	27AUG08 A	13MAR09	27AUG08 A	20DEC08
S4IEA1200	DN400 Pipe & Manhole (C7a - C7)	36	62d	0	29JAN09	11MAR09	13APR09	25MAY09
S4IEA1330	DN500 Pipe & Manhole (C11 - C12)	35	-65d	0	28APR09	09JUN09	10FEB09	21MAR09
S4IEA1920	DN500 PIpe & Manhole (C22 - C23)	65	58d	50	28NOV08 A	06MAR09	28NOV08 A	15MAY09
S4IEA2320	DN500 PIpe & Manhole (C31 - C32)	53	-164d	0	29JAN09	31MAR09	11JUL08	10SEP08
S4IEA2400	DN500 PIpe & Manhole (C32 - C34)	70	-164d	0	01APR09	24JUN09	11SEP08	04DEC08
Trenchless Method								
S4IEB1000	Construct Jack/Receive Pits (C1 - C2)	30	-52d	0	29JAN09	04MAR09	22NOV08	29DEC08
S4IEB1020	Jacking DN500 (C1 - C2)	78	-52d	0	05MAR09	06JUN09	30DEC08	03APR09
Geotechnical works								
S4IP1000	Monitoring of Instruments	827	-76d	79	28JUN06 A	24AUG09	28JUN06 A	25MAY09



Start date	19DEC05
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c Primavera Systems, Inc.	

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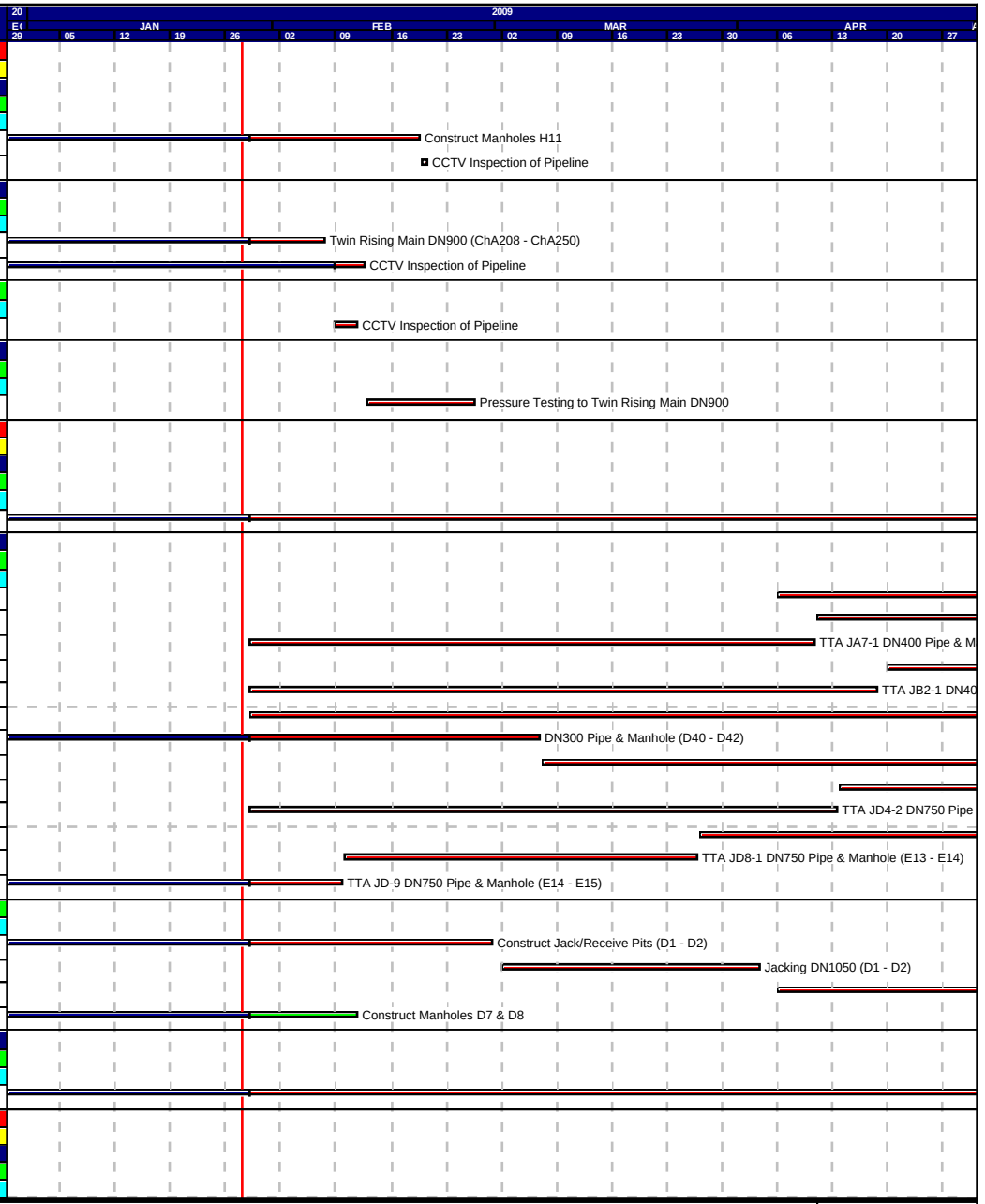
Act ID	Description	Orig Dur	Total Float	Percent Complete	Early Start	Early Finish	Late Start	Late Finish
Section 5 - Sewers & RM in Portion E								
Portion E								
Drainage and Ducts								
Trenchless Method								
S5EEB104	Construct Manholes H11	27	-74d	30	09OCT08 A	19FEB09	09OCT08 A	18NOV08
S5EEB110	CCTV Inspection of Pipeline	1	-74d	0	20FEB09	20FEB09	19NOV08	19NOV08
Pipework - Rising Main								
Trench Method								
S5EFA100	Twin Rising Main DN900 (ChA208 - ChA250)	33	-79d	70	23MAY08 A	07FEB09	23MAY08 A	31OCT08
S5EFA430	CCTV Inspection of Pipeline	20	-79d	80	16AUG08 A	12FEB09	16AUG08 A	05NOV08
Trenchless Method								
S5EFB110	CCTV Inspection of Pipeline	3	-78d	0	09FEB09	11FEB09	03NOV08	05NOV08
Testing								
S5ES1000	Pressure Testing to Twin Rising Main DN900	12	-79d	0	13FEB09	26FEB09	06NOV08	19NOV08
Section 6 - Sewers in Portion J								
Portion J								
Ground Investigation								
S6JB1500	Install Settlement Marker 1st Stage	765	-401d	35	20APR06 A	20SEP10	20APR06 A	25MAY09
Drainage and Ducts								
Trench Method								
S6JEA101	DN1050 Pipe & Manhole (D2 - D3)	78	-51d	0	06APR09	08JUL09	04FEB09	07MAY09
S6JEA170	TTA JA7-2 DN400 Pipe & Manhole (D14 - D15)	46	-421d	0	11APR09	05JUN09	09NOV07	04JAN08
S6JEA172	TTA JA7-1 DN400 Pipe & Manhole (D15 - D16)	61	-421d	0	29JAN09	10APR09	27AUG07	08NOV07
S6JEA190	TTA JB1-1 DN400 Pipe & Manhole (D20 - D21)	102	-147d	0	20APR09	19AUG09	22OCT08	24FEB09
S6JEA192	TTA JB2-1 DN400 Pipe & Manhole (D21 - D22)	68	-147d	0	29JAN09	18APR09	31JUL08	21OCT08
S6JEA240	TTA JB6-1 DN400 Pipe & Manhole (D28 - D30)	80	-445d	0	29JAN09	04MAY09	30JUL07	02NOV07
S6JEA320	DN300 Pipe & Manhole (D40 - D42)	65	-239d	50	09JAN08 A	06MAR09	09JAN08 A	19MAY08
S6JEA330	DN300 Pipe & Manhole (D42 - D44)	72	-239d	0	07MAR09	02JUN09	20MAY08	13AUG08
S6JEA420	TTA JD4-1 DN750 Pipe & Manhole (E7 - E8)	35	-249d	0	14APR09	25MAY09	14JUN08	25JUL08
S6JEA422	TTA JD4-2 DN750 Pipe & Manhole (E7 - E9)	63	-249d	0	29JAN09	13APR09	28MAR08	13JUN08
S6JEA460	TTA JD8-2 DN750 Pipe & Manhole (E12 - E13)	40	-298d	0	27MAR09	14MAY09	28MAR08	16MAY08
S6JEA462	TTA JD8-1 DN750 Pipe & Manhole (E13 - E14)	39	-298d	0	10FEB09	26MAR09	05FEB08	27MAR08
S6JEA470	TTA JD-9 DN750 Pipe & Manhole (E14 - E15)	69	-298d	85	13NOV07 A	09FEB09	13NOV07 A	04FEB08
Trenchless Method								
S6JEB100	Construct Jack/Receive Pits (D1 - D2)	28	-78d	5	25NOV08 A	28FEB09	25NOV08 A	22NOV08
S6JEB102	Jacking DN1050 (D1 - D2)	29	-78d	0	02MAR09	03APR09	24NOV08	29DEC08
S6JEB104	Construct Manholes D1 & D2	25	-78d	0	06APR09	05MAY09	30DEC08	31JAN09
S6JEB124	Construct Manholes D7 & D8	25	84d	50	25AUG08 A	11FEB09	25AUG08 A	22MAY09
Geotechnical works								
S6JP1000	Monitoring of Instruments	1152	-377d	59	21APR06 A	23AUG10	21APR06 A	25MAY09
Section 7 - Sewers in Portion K								
Portion K								
Drainage and Ducts								
Trench Method								



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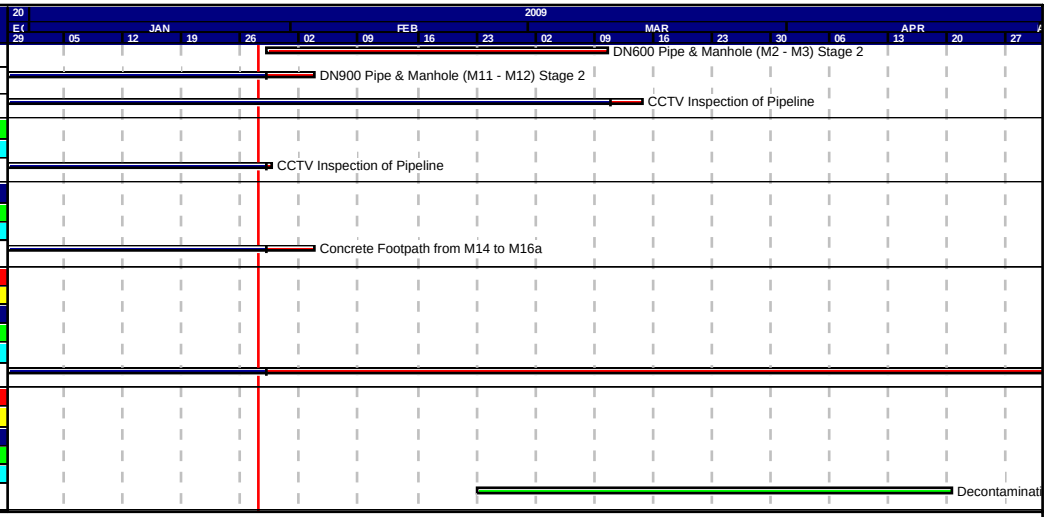
Act ID	Description	Orig Dur	Total Float	Percent Complete	Early Start	Early Finish	Late Start	Late Finish
S7KEA110	DN600 Pipe & Manhole (M2 - M3) Stage 2	35	-316d	0	29JAN09	10MAR09	03JAN08	15FEB08
S7KEA161	DN900 Pipe & Manhole (M11 - M12) Stage 2	54	-286d	90	20AUG08 A	03FEB09	20AUG08 A	15FEB08
S7KEA210	CCTV Inspection of Pipeline	5	-316d	30	16AUG08 A	14MAR09	16AUG08 A	20FEB08
Trenchless Method								
S7KEB130	CCTV Inspection of Pipeline	2	-278d	30	16AUG08 A	29JAN09	16AUG08 A	20FEB08
Roads and Pavings								
S7KH1000	Concrete Footpath from M14 to M16a	18	-282d	70	25OCT08 A	03FEB09	25OCT08 A	20FEB08
Section 8 - Preservation and Protection of Trees								
All Portions								
Landscape Softworks and Establishment Works								
S8QR1100	Preservation & Protection of Preserved Trees	744	-21d	84	29JUL06 A	19JUN09	29JUL06 A	25MAY09
Decontamination Works								
Portion H								
Decontamination								
S9HU1000	Decontamination Works	48	60d	0	23FEB09	20APR09	06MAY09	02JUL09



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Annex D

Photographical Records – Noise Barrier On-Site

Annex E

Locations of Monitoring Stations

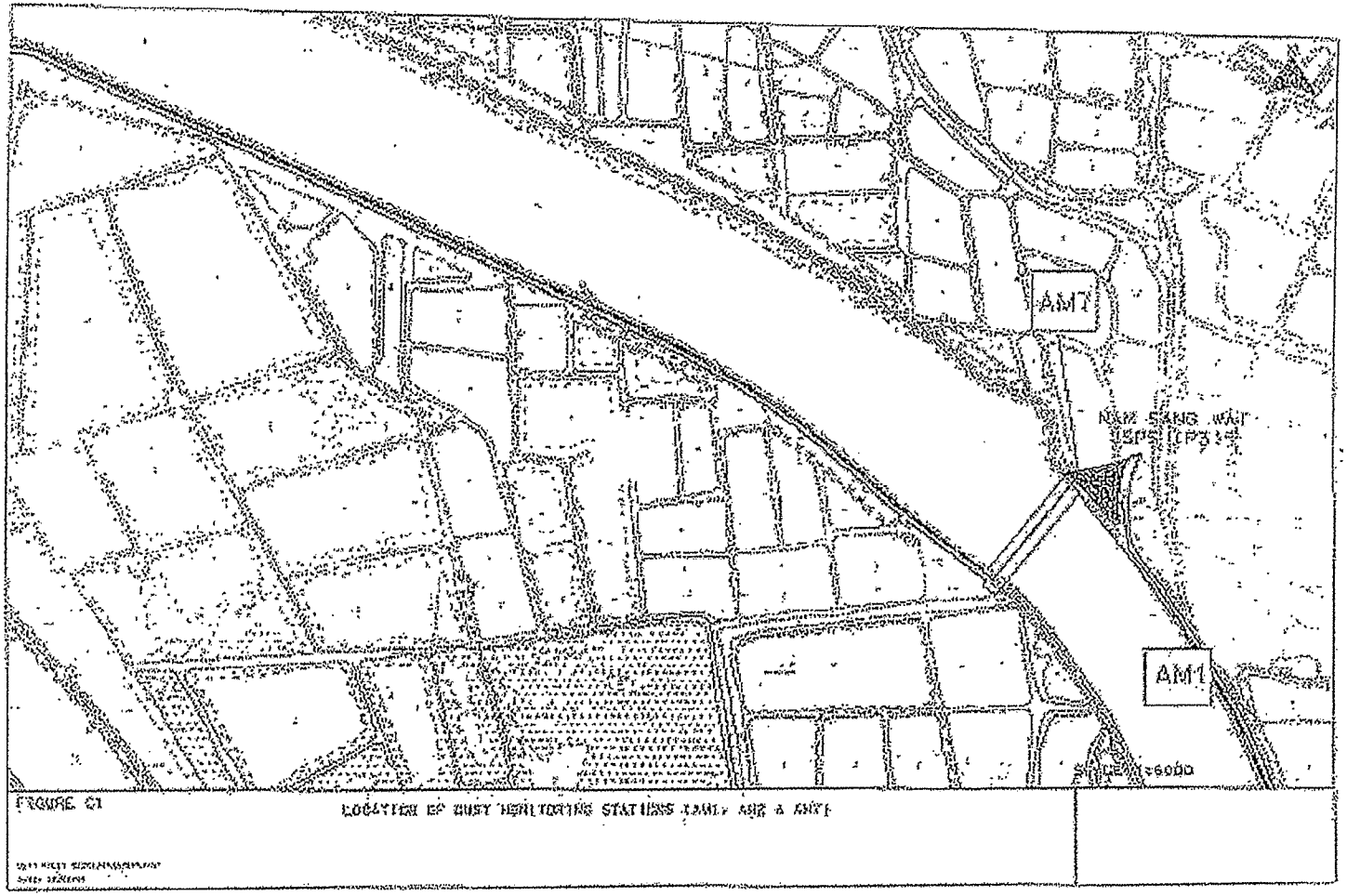


FIGURE 01 LOCATION OF DUST MONITORING STATIONS AM1 AND A AM1

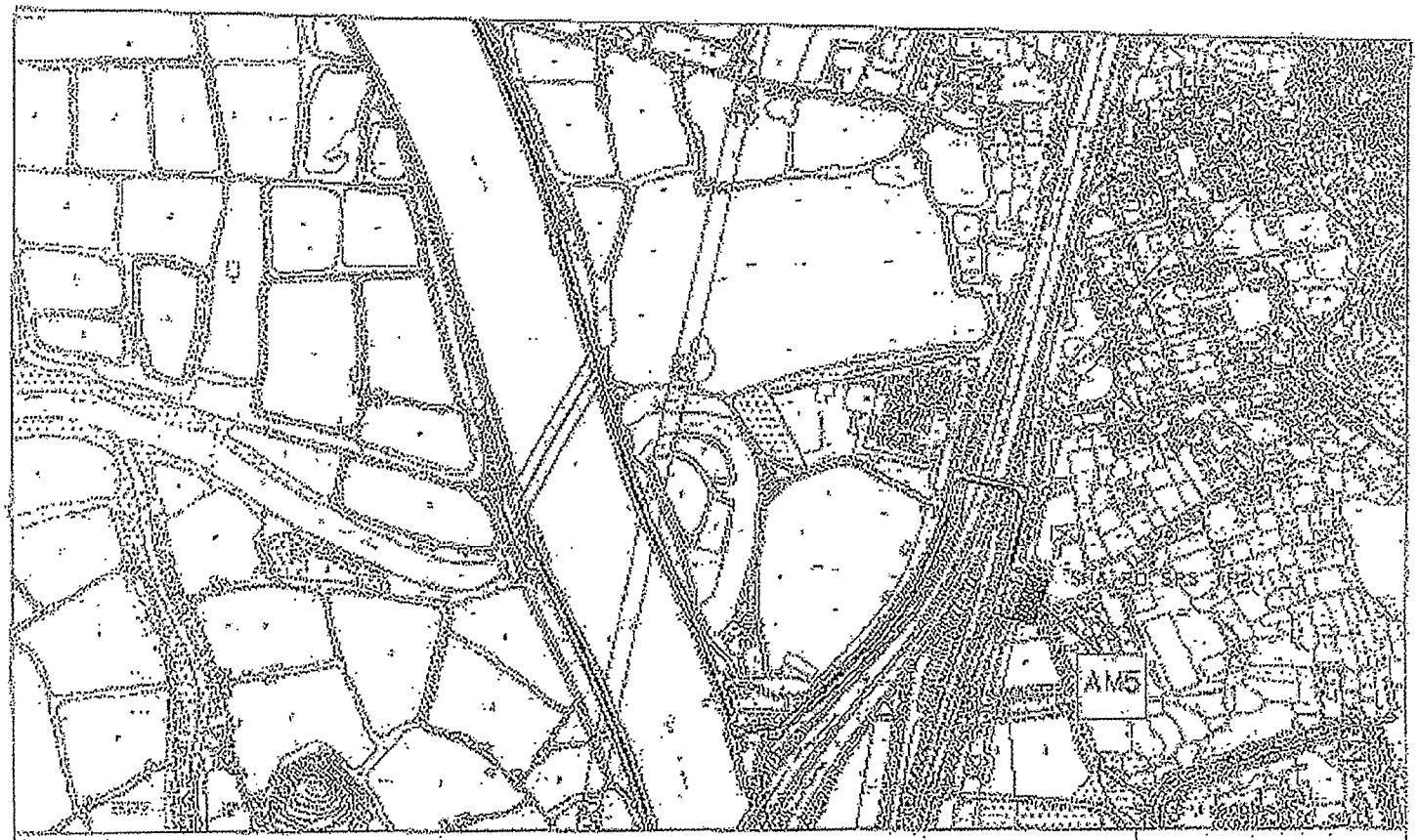


FIGURE 02 LOCATION OF DUST MONITORING STATION (AM5)

FIGURE 6.0 LOCATION OF DUST MONITORING STATIONS (AQM1, AM5 & AM10)

FIGURE 4.7 LOCATION OF NOISE MONITORING STATIONS (NM1, NM2, NM3, NM4)

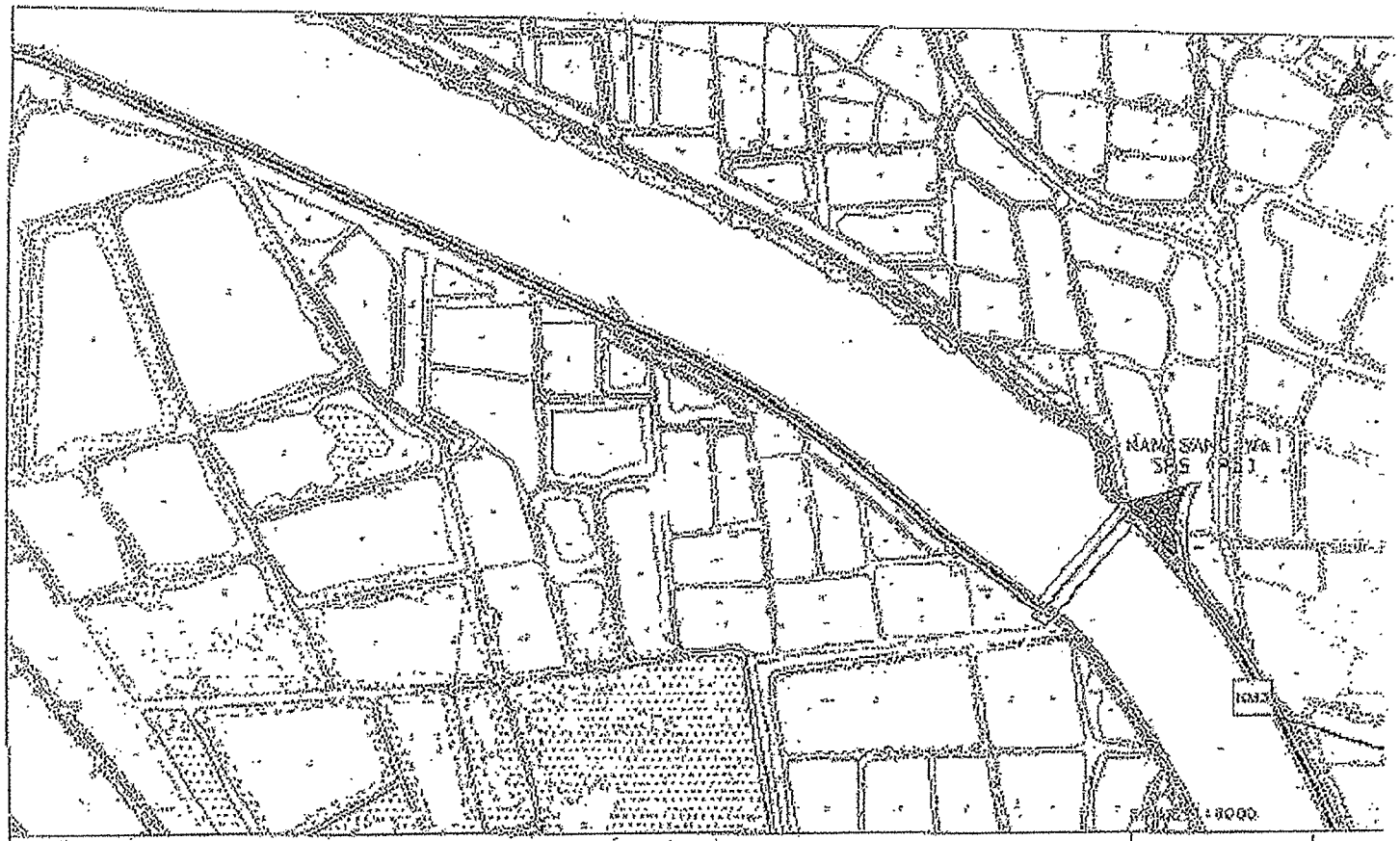


FIGURE C8

LOCATION OF NOISE MONITORING STATIONS (NMS. 6 & 7)

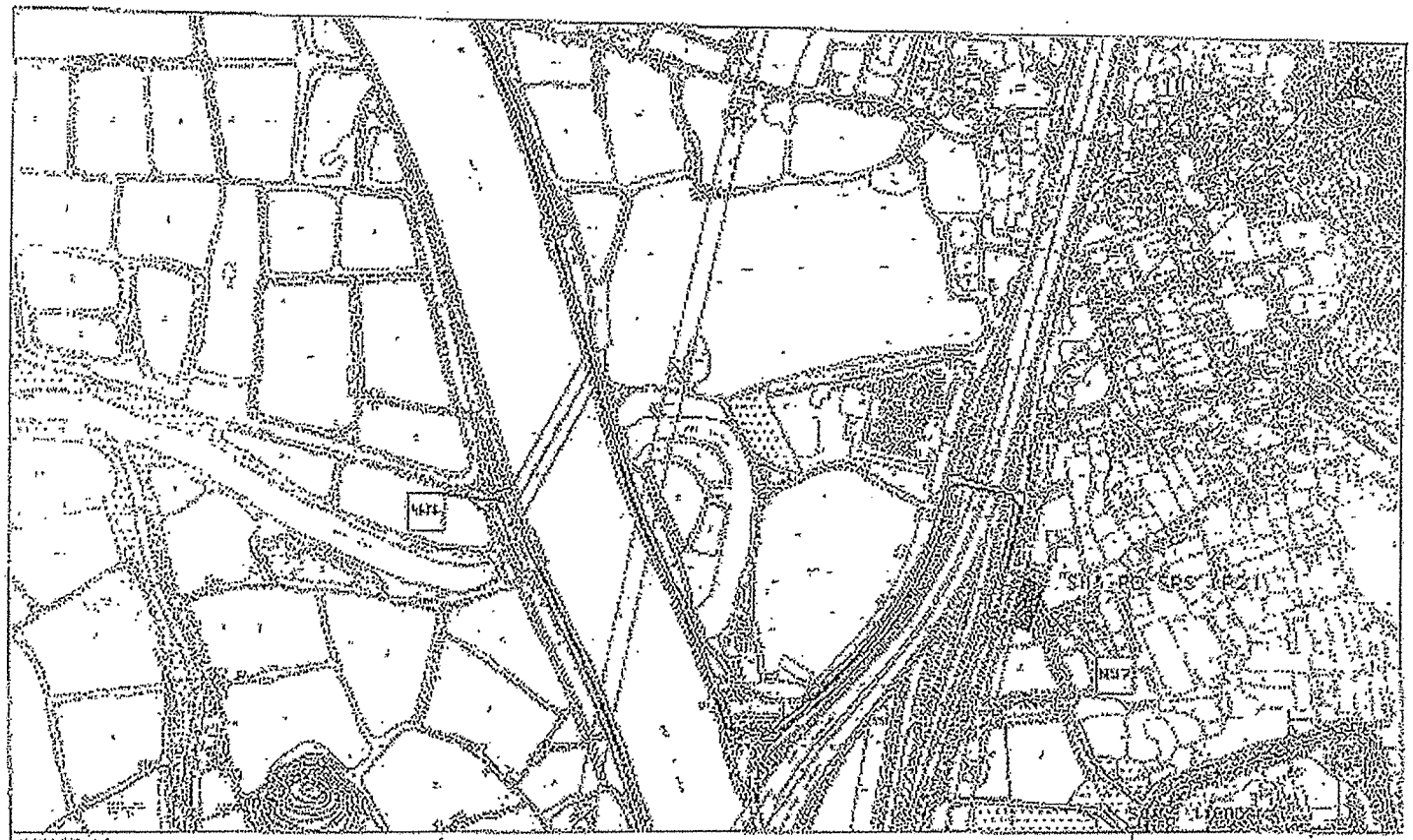


FIGURE 20.

LOCATION OF NOISE MONITORING STATIONS (NM1, NM2)

Annex F

Event and Action Plan

Event and Action Plan for Construction Phase Air Quality

EVENT	ACTION			
	ET Leader	IEC	Engineer	Contractor
Action Level				
Exceedance for one sample	1. Identify source (s) of exceedance and inform IEC, Contractor and Engineer 2. Repeat dust measurements to confirm findings 3. Increase monitoring frequency to daily 4. Assess efficacy of remedial measures and keep the Contractor, IEC, and Engineer informed	1. Check monitoring data submitted by ET 2. Check monitoring data trends and Contractors working methods 3. Check and confirm Contractors proposed remedial actions and working methods are appropriate	1. Confirm receipt of notification of exceedance in writing 2. Remind the Contractor of his contractual obligations and review the Contractor's working methods 3. Discuss remedial actions with the Contractor and IEC 4. Inform complainant of actions taken, if necessary	1. Rectify any unacceptable practice 2. Liaise with Engineer and IEC to develop appropriate remedial measures to reduce dust impact 3. Amend working methods and remedial proposals if required by the Engineer or IEC 4. Implement the agreed remedial actions upon instruction from the Engineer and IEC
Exceedance for two or more consecutive samples	1. Identify source (s) of exceedance and inform IEC, Contractor and Engineer 2. Repeat measurements to confirm findings 3. Increase the monitoring frequency to daily to assess the efficacy of remedial measures and keep the Contractor informed 4. Discuss remedial actions with IEC and Contractor 5. If exceedance continues, arrange meeting with Engineer, IEC and Contractor to review working practices and identify further remedial actions 6. If exceedance stops, inform the Contractor and cease additional monitoring	1. Check monitoring data submitted by ET 2. Check monitoring data trends and Contractors working methods 3. Discuss with Contractor and Engineer on possible remedial measures 4. Check and confirm Contractors proposed remedial measures are appropriate 5. Determine the efficacy of remedial actions and keep the Engineer informed	1. Confirm receipt of notification of exceedance in writing 2. Remind the Contractor of his contractual obligations and review the Contractor's working methods 3. Discuss remedial actions with the Contractor and IEC 4. Ensure remedial measures are properly implemented 5. Inform complainant of actions taken, if necessary.	1. Rectify any unacceptable practice, if possible 2. Submit proposals for remedial actions to Engineer and IEC within three working days of notification 3. Discuss and amend remedial actions, if required, by the Engineer and IEC 4. Implement the remedial action (s) immediately upon instruction from the Engineer Discuss with Engineer and IEC, to optimise the effectiveness of the agreed remedial actions

Event and Action Plan for Construction Phase Air Quality

EVENT	ACTION			
	ET Leader	IEC	Engineer	Contractor
Limit Level				
Exceedance for one sample	1. Identify source (s) of exceedance and inform IEC, Contractor and Engineer 2. Repeat dust measurements to confirm findings 3. Increase monitoring frequency to daily 4. Assess efficacy of remedial measures and keep the Contractor, IEC, Engineer and EPD informed	1. Check monitoring data submitted by ET 2. Check monitoring data trends and Contractors working methods 3. Check and confirm Contractors proposed remedial actions and working methods are appropriate 4. Check and confirm Contractors proposed remedial measures are appropriate 5. Determine the efficacy of remedial actions and keep the Engineer informed	1. Confirm receipt of notification of exceedance in writing 2. Remind the Contractor of his contractual obligations and review the Contractor's working methods 3. Discuss remedial actions with the Contractor and IEC, 4. Ensure remedial measures are properly implemented 5. Inform complainant of actions taken, if necessary.	1. Take immediate action to avoid further exceedance 2. Submit proposals for remedial actions to Engineer and IEC within three working days of notification 3. Discuss and amend remedial actions, if required, by the Engineer and IEC 4. Implement the remedial action (s) immediately upon instruction from the Engineer 5. Discuss with Engineer and IEC, to optimise the effectiveness of the agreed remedial actions
Exceedance for two or more consecutive samples	1. Identify source (s) of exceedance and inform IEC, Contractor and Engineer 2. Repeat measurements to confirm findings 3. Increase the monitoring frequency to daily to assess the efficacy of remedial measures and keep the Contractor informed 4. Discuss remedial actions with IEC and Contractor 5. If exceedance continues, arrange meeting with Engineer, IEC and Contractor to review working practices and identify further remedial actions 6. If exceedance stops, inform the Contractor and cease additional monitoring.	1. Discuss with Contractor and Engineer on possible remedial measures 2. Check and confirm Contractors proposed remedial measures are appropriate 3. Determine the efficacy of remedial actions and keep the Engineer informed	1. Confirm receipt of notification of exceedance in writing 2. Remind the Contractor of his contractual obligations and review the Contractor's working methods 3. Discuss remedial actions with the Contractor and IEC 4. Ensure remedial measures are properly implemented 5. If exceedance continues, instruct the Contractor to stop the relevant portion of work until the exceedance is abated 6. Inform complainant of actions taken, if necessary.	1. Rectify any unacceptable practice, if possible 2. Submit proposals for remedial actions to Engineer and IEC within three working days of notification 3. Discuss and amend remedial actions, if required, by the Engineer and IEC 4. Implement the remedial action (s) immediately upon instruction from the Engineer 5. Discuss with Engineer and IEC, to optimise the effectiveness of the agreed remedial actions

Event and Action Plan for Construction Noise				
EVENT	**ACTION**			
	ET Leader	**IEC**	**Engineer**	**Contractor**
Limit Level				
Exceedance for one sample	1. Identify source (s) of exceedance and inform IEC, Contractor and Engineer 2. Repeat dust measurements to confirm findings 3. If repeat measurements confirm exceedance ,increase monitoring frequency to daily 4. Assess efficacy of remedial measures and keep the Contractor, IEC, and Engineer informed 5. If exceedance stops, inform Contractor and cease additional noise monitoring	1. Check monitoring data submitted by ET 2. Check monitoring data trends and Contractors working methods 3. Check and confirm Contractors proposed remedial actions and working methods are appropriate	1. Confirm receipt of notification of exceedance in writing 2. Remind the Contractor of his contractual obligations and review the Contractor's working methods 3. Discuss remedial actions with the Contractor and IEC 4. Inform complainant of actions taken, if necessary	1. Rectify any unacceptable practice 2. Liaise with Engineer and IEC to develop appropriate remedial measures to reduce noise impact 3. Amend working methods and remedial proposals if required by the Engineer or IEC 4. Implement the agreed remedial actions upon instruction from the Engineer and IEC
Exceedance for two or more consecutive samples	1. Identify source (s) of exceedance and inform IEC, Contractor and Engineer 2. Repeat measurements to confirm findings 3. Increase the monitoring frequency to daily 4. Discuss remedial actions with IEC, Engineer and the EPD 5. Assess the efficacy of remedial measures and keep the Contractor informed 6. If exceedance continues, arrange meeting with Engineer, IEC and Contractor to review working practices and identify further remedial actions 7. If exceedance stops, inform the Contractor and cease additional monitoring.	1. Check monitoring data submitted by ET 2. Check monitoring data trends and Contractors working methods 3. Discuss with Contractor and Engineer on possible remedial measures 4. Check and confirm Contractors proposed remedial measures are appropriate 5. Determine the efficacy of remedial actions and keep the Engineer informed	1. Confirm receipt of notification of exceedance in writing 2. Remind the Contractor of his contractual obligations and review the Contractor's working methods 3. Discuss remedial actions with the Contractor and IEC 4. Ensure remedial measures are properly implemented 5. If exceedance continues, instruct the Contractor to stop the relevant portion of work until the exceedance is abated 6. Inform complainant of actions taken, if necessary.	1. Rectify any unacceptable practice, if possible 2. Submit proposals for remedial actions to Engineer and IEC within three working days of notification 3. Discuss and amend remedial actions, if required, by the Engineer and IEC 4. Implement the remedial action (s) immediately upon instruction from the Engineer 5. Discuss with Engineer and IEC, to optimise the effectiveness of the agreed remedial actions 6. Stop the relevant portion of work as determined by the Engineer until the exceedance is abated

Annex G

Mitigation Implementation Schedule

EIA* Ref.	EM&A Ref	Environmental Protection Measures	Objectives of the Recommended Measures & Main Concerns	Location of the measure	Implementation Agent	Implementation Stage**				Relevant Legislation & Guidelines
						Des	C	O	Dec	
		CONSTRUCTION PHASE								
		AIR QUALITY - *Construction Phase*								
		The following measures are enforceable under the *Air Pollution Control (Construction Dust) Regulations*								
		Site boundary and entrance								
3.5	A1	• where a site boundary adjoins a road, street, service lane or other area accessible to the public, hoarding of not less than 2.4 m high from ground level should be provided along the boundaries of the seven pumping stations sites and the works area where the Engineer's site office and the Contractor's site office erected;	To prevent access to the site and control potential dust impacts from construction works.	Site wide and throughout the full duration of the construction contract.	The Contractor		✓			*Part III, Clause 13 (c), Air Pollution Control (Construction Dust) Regulations*
		Access Road								
3.5	A2	• the portion of any road leading only to a construction site that is within 30 m of a discernible or designated vehicle entrance or exit should be kept clear of dusty materials;	To control potential dust impacts from vehicle movements.	Site wide and throughout the full duration of the construction contract.	The Contractor		✓			*Part III, Clause 14, (b), Air Pollution Control (Construction Dust) Regulations*
		Stockpiling of Dusty Materials								
3.5	A3	• any stockpile of dusty materials should be either covered entirely by impervious sheeting and placed in an area sheltered on the top and the 3 sides or sprayed with water so as to maintain the entire surface wet;	To control potential dust impacts during excavation and stockpiling activities.	Site wide and throughout the full duration of the construction contract.	The Contractor		✓			*Part IV, Clause 18, (a, b & c), Air Pollution Control (Construction Dust) Regulations*
		Loading, unloading or transfer of dusty materials								
3.5	A4	• all dusty materials should be sprayed with water or a dust suppression chemical immediately prior to any loading and unloading so as to maintain the dusty materials wet;	To control potential dust impacts during material handling and truck movements.	Site wide and throughout the full duration of the construction contract.	The Contractor		✓			*Part IV, Clause 19, Air Pollution Control (Construction Dust) Regulations*
		Use of vehicles								
3.5	A5	• every vehicle should be washed to remove any dusty materials from its body and wheels immediately before leaving a construction site;	To control potential dust impacts from vehicle movements.	Site wide and throughout the full duration of the construction contract.	The Contractor		✓			*Part IV, Clause 21, (1), Air Pollution Control (Construction*

EIA* Ref.	EM&A Ref	Environmental Protection Measures	Objectives of the Recommended Measures & Main Concerns	Location of the measure	Implementation Agent	Implementation Stage**				Relevant Legislation & Guidelines
						Des	C	O	Dec	
3.5	A6	• where a vehicle leaving a construction site is carrying a load of dusty materials, the load should be covered entirely by clean impervious sheeting to ensure that the dusty materials do not leak from the vehicle;	To control potential dust impacts during material transportation.	Site wide and throughout the full duration of the construction contract.	The Contractor		✓			*Dust) Regulations Part IV, Clause 21, (2), Air Pollution Control (Construction Dust) Regulations*
		Power-driven drilling, and cutting								
3.5	A7	• water should be continuously sprayed on the surface where any mechanical breaking operation that causes dust emission is carried out, unless the process is accompanied by the operation of an effective dusty extraction and filtering device;	To control potential dust impacts during mechanical breaking.	Site wide and throughout the full duration of the construction contract.	The Contractor		✓			*Part IV, Clause 22, Air Pollution Control (Construction Dust) Regulations*
		Excavation and earth moving								
3.5	A8	• the working area of excavation should be sprayed with water immediately before, during and immediately after the operation so as to maintain the entire surface wet;	To control potential dust impacts arising from excavation works.	Site wide and throughout the full duration of the construction contract.	The Contractor		✓			*Part IV, Clause 24, Air Pollution Control (Construction Dust) Regulations*
		Construction of the superstructure of a building								
3.5	A9	• where a scaffolding is erected around the perimeter of a building under construction, effective dust screens, sheeting or netting should be provided to enclose the scaffolding from the round floor level of the SPS, or if a canopy is provided a the first floor level, from the first floor level, up to the highest level of the scaffolding; and	To control potential dust impacts from SPS building construction works.	Full duration of SPS construction contract.	The Contractor		✓			*Part I, Clause 6, (a), Air Pollution Control (Construction Dust) Regulations*
3.5	A10	• any skip hoist for material transport should be totally enclosed by the impervious sheeting.	To control potential dust impacts during material transportation.	Full duration of SPS construction contract.	The Contractor		✓			*Part I, Clause 6, (b), Air Pollution Control (Construction Dust) Regulations*

EIA* Ref.	EM&A Ref	Environmental Protection Measures	Objectives of the Recommended Measures & Main Concerns	Location of the measure	Implementation Agent	Implementation Stage**				Relevant Legislation & Guidelines
						Des	C	O	Dec	
		NOISE - *Construction Phase*								
		General Site Clearance – Demolition Works								
4.7.1	B1	• Use of quiet PME which meet the SWLs taken from British Standard, *Noise and Vibration Control on Construction Open Sites, BS 5228: Part 1: 1997 (Examples of these PME are shown in Table F2)*,	To control potential noise impacts during site clearance and demolition works	Site wide and throughout the full duration of the construction contract.	The Contractor		✓			*Annex 5 of EIAO-TM*
		Construction of Sewage Pumping Stations P1, P2 & P3								
4.7.1	B2	• Use of quiet PME which meet the SWLs taken from British Standard, *Noise and Vibration Control on Construction Open Sites, BS 5228: Part 1: 1997*,	To minimise potential noise impacts arising during the construction of *P1, P2 & P3*	Site wide and throughout the full duration of the construction contract.	The Contractor		✓			*Annex 5 of EIAO-TM*
		• Adoption of temporary noise barrier, in the form of a site hoarding (with a superficial density of at least 20kg/m2, with no substantial gaps), along the site boundary of the pumping station sites.	To minimise potential noise impacts arising during the construction of *P1, P2 & P3*	Site wide and throughout the full duration of the construction contract.	The Contractor		✓			*Annex 5 of EIAO-TM*
		Sewers and Rising Mains using Open Trench Method								
4.7.1	B3	• Use of quiet PME which meet the SWLs taken from British Standard, *Noise and Vibration Control on Construction Open Sites, BS 5228: Part 1: 1997*,	To control potential noise impacts during excavation works.	Site wide and throughout the full duration of the construction contract.	The Contractor		✓			*Annex 5 of EIAO-TM*
4.7.1	B4	• Use of handheld breakers for all initial road opening activities, when breaking tarmac/concrete road surface to a depth of 300mm or when granular material is reached.	To control potential noise impacts during road opening activities.	Where there are NSRs located within 50m of the line of sight. Throughout the full duration of the road opening activities.	The Contractor		✓			
4.7.1	B5	• Use of movable noise barriers or 3 sided enclosures for all initial road opening activities	To control potential noise impacts during road opening	Where there are NSRs located within 50m of the	The Contractor		✓			

EIA* Ref.	EM&A Ref	Environmental Protection Measures	Objectives of the Recommended Measures & Main Concerns	Location of the measure	Implementation Agent	Implementation Stage**				Relevant Legislation & Guidelines
						Des	C	O	Dec	
		enclosures for all initial road opening activities (breaking tarmac/concrete road surface to a depth of 300mm or when granular material is reached), where there are NSRs located within 50m of the line of sight from the works area.	activities.	line of sight. Throughout the full duration of the road opening activities.						
		Sewers and Rising Mains using Pipe Jacking Method								
4.7.1	B6	• Use of quiet PME which meet the SWLs taken from British Standard, *Noise and Vibration Control on Construction Open Sites, BS 5228: Part 1: 1997*,	To control potential noise impacts from PME during construction works	Site wide and throughout the full duration of the construction contract.	The Contractor		✓			*Annex 5 of EIAO-TM*
		Road Pavement and Finishes								
4.7.1	B7	• Use of quiet PME which meet the SWLs taken from British Standard, *Noise and Vibration Control on Construction Open Sites, BS 5228: Part 1: 1997*,	To control potential noise impacts from PME during pavement and finish works	Site wide and throughout the full duration of the construction contract.	The Contractor		✓			*Annex 5 of EIAO-TM*
		WATER QUALITY - *Construction Phase*								
		No water quality monitoring is required under this study.								
		WASTE - *Construction Phase*								
6.6.2	D1	The Contractor shall obtain the necessary waste disposal permits from the appropriate authorities for the disposal of chemical and C&D waste, • Chemical Waste Producer and Chemical Waste Disposal Licence *(Waste Disposal (Chemical Waste) (General) Regulations); and* • Dumping Licence (*Land (Miscellaneous Provisions) Ordinance (Cap 28))*	To monitor the collection, handling and disposal of chemical waste and C&D waste, and in compliance with relevant Hong Kong Standards and Regulations.	Site wide and throughout the full duration of the construction contract.	The Contractor	✓	✓			*Waste Disposal Ordinance (Cap 354), Waste Disposal (Chemical Waste)(General) Regulation (Cap 354), the Land (Miscellaneous Provisions) Ordinance (Cap 28))*

EIA* Ref.	EM&A Ref	Environmental Protection Measures	Objectives of the Recommended Measures & Main Concerns	Location of the measure	Implementation Agent	Implementation Stage**				Relevant Legislation & Guidelines
						Des	C	O	Dec	
		Chemical Waste								
6.6.2	D2	Chemical waste that is produced, as defined by Schedule 1 of the *Waste Disposal (Chemical Waste) (General) Regulation,* should be handled in accordance with the regulations and Code of Practice on the Packaging, Handling and Storage of Chemical Wastes as follows. All chemical waste producers should be registered with the EPD.	To control the handling, storage and disposal of chemical waste, in order to minimise potential spillages/leakages and human health and environmental impacts.	To be implemented at all worksites throughout the full duration of the construction phase.	The Contractor		✓			*Part II, (6) Waste Disposal (Chemical Waste) (General) Regulation*
		Storage, Packaging and Labelling of Chemical Waste								
6.6.2	D3	Containers used for storage of chemical wastes should: • be suitable for the substance they are holding, resistant to corrosion, maintained in a good condition, and securely closed; • have a capacity of less than 450 L unless the specifications have been approved by the EPD; and • display a label in English and Chinese in accordance with instructions prescribed in Schedule 2 of the Regulations.	To ensure the proper storage, packaging and labelling of chemical waste in accordance with the Regulations.	To be implemented at all worksites throughout the full duration of the construction phase.	The Contractor		✓			*Part IV, (9, 10, 11 & 12) Waste Disposal (Chemical Waste) (General) Regulation*
		Storage of chemical waste								
6.6.2	D4	The storage area for chemical wastes should: • be clearly labelled and used solely for the storage of chemical waste; • be enclosed on at least 3 sides; • have an impermeable floor and bunding, of capacity to accommodate 110% of the volume of the largest container or 20% by volume of the chemical waste stored in that area, whichever is the greatest; • have adequate ventilation; • be covered to prevent rainfall entering (water collected within the bund must be tested and disposed as chemical waste, if necessary); and • be arranged so that incompatible materials are	To ensure the proper storage of chemical waste in accordance with the Regulations.	To be implemented at all worksites throughout the full duration of the construction phase.	The Contractor		✓			*Part IV, (13,14, 15, 16, 17, & 18) Waste Disposal (Chemical Waste) (General) Regulation*

EIA* Ref.	EM&A Ref	Environmental Protection Measures	Objectives of the Recommended Measures & Main Concerns	Location of the measure	Implementation Agent	Implementation Stage**				Relevant Legislation & Guidelines
						Des	C	O	Dec	
		adequately separate								
		Disposal of chemical waste • The Contractor should ensure that the disposal of chemical waste is via a licensed Waste Collector and in accordance with the *Waste Disposal (Chemical Waste) (General) Regulations*.	To control the disposal of chemical waste in accordance with the Regulations.	To be implemented at all worksites throughout the full duration of the construction phase.	The Contractor		✓			*Part IV, (20 -25) Waste Disposal (Chemical Waste) (General) Regulation*
6.6.2	D5	*Management of Waste Disposal* A trip-ticket system should be established which monitors the disposal of C&DM and solid wastes at public filling facilities and landfills and to control fly-tipping, in accordance with *Land (Miscellaneous Provisions) Ordinance (Cap28)* and the *Works Bureau Technical Circular No. 5/99.*	To monitor the disposal of C&DM and solid wastes at public filling facilities and landfills and to control fly-tipping.	To be implemented at all worksites throughout the full duration of the construction phase.	The Engineer/ Contractor		✓			*Land (Miscellaneous Provisions) Ordinance (Cap 295) and Works Bureau Technical Circular No. 5/99.*
		LAND CONTAMINATION- *Construction Phase*								
7.5.6	E1	A revised CAP should be submitted to the EPD for approval before the commencement of the construction works. Following receipt of the EPD's approval, the CAP shall be implemented and the findings of the investigations will be reported in the Contaminated Assessment Report (CAR), before ground disturbance is allowed at the concerned sites. If land contamination is confirmed, a Remediation Action Plan (RAP) shall be prepared, and both the CAR and the RAP shall be submitted as a combined report to the EPD for approval before disturbing the ground of the concerned sites. If applicable and required in consultation with the	To determine the presence of soil and groundwater contamination and remedy any potential concerns to acceptable levels.	To be implemented before the commencement of the construction works.	To be Implemented by DSD or their sub-consultants at the Detailed Design Stage, depending upon when site access can be gained.	✓				*EIAO TM Annex 19/3.1.1 & 3.1.2*

EIA* Ref.	EM&A Ref	Environmental Protection Measures	Objectives of the Recommended Measures & Main Concerns	Location of the measure	Implementation Agent	Implementation Stage**				Relevant Legislation & Guidelines
						Des	C	O	Dec	
		EPD, the contaminated site(s) shall be remediated in accordance with the approved CAR/RAP.								
		ECOLOGY - *Construction Phase*								
		Mitigation Measures Adopted - Avoidance								
8.7.1	F1	Construction activities shall be prohibited during the winter season (November to March) along the section of the proposed sewerage alignment, which fall within the Deep Bay Wetland Conservation Area and the Deep Bay Wetland Buffer Area (WCA and WBA) and close to the locations of ecologically sensitive species (including Intermediate Egret, Black-faced Spoonbill, Buzzard, Imperial Eagle and Avocet). (See Figure 8.7a attached). Regular site inspections (at least twice a month) should be conducted by the Environmental Team during the winter season (November to March) to ensure proper implementation of this restriction	To schedule construction works in order to minimise potential impacts to winter visiting birds. To be confirmed by regular site inspections.	At identified location (*Figure 8.7a*) for the full duration of the construction contract.	The Contractor		✓			
		Mitigation Measures Adopted - Minimisation								
8.7.2	F2	Pipe jacking method should be used instead of dredging where sewers and rising mains cross over existing MDC within the WCA and WBA.	To minimise potential construction noise impacts to ecological sensitive receivers within the WCA/WBA.	For the full duration of the construction contract.	The Contractor		✓			
8.7.2	F4	Regular inspections (at least twice a month) should be conducted by the ET during the winter season (November to March) for the remaining sections of the proposed sewerage alignment (including parts of S4, S5 and S6) within the WCA and WBA, where construction activities cannot be rescheduled. The site inspections shall check and report the number of workfronts and implementation of	To schedule noisy construction activities to minimise potential impacts to winter visiting birds.	Work fronts other than identified sections within WBA & WCA (see *Figure 8.7a* attached) throughout the full duration of the construction contract.	The Contractor		✓			

EIA* Ref.	EM&A Ref	Environmental Protection Measures	Objectives of the Recommended Measures & Main Concerns	Location of the measure	Implementation Agent	Implementation Stage**				Relevant Legislation & Guidelines
						Des	C	O	Dec	
		mitigation measures (i.e. erection of movable noise barriers with a suitable footing along the sites) in the monthly EM&A reports.								
		Mitigation Measures Adopted								
8.7.3	F5	Quietened construction plant and equipment (as shown in *Table F2*) should be used for the construction of pumping stations (P3 and P2) and sewerage alignment (S4, S5 and S6) located within the WCA and WBA.	Quiet construction plant shall minimise potential noise impacts to the wildlife, particularly rare birds including Black-faced Spoonbill, Buzzard, Hobby, Imperial Eagle, Intermediate Egret, Avocet and Black-eared Kite	At described locations and throughout the full duration of the construction contract.	The Contractor		✓			
8.7.4	F6	Erection of fences along the boundary of pumping station construction sites (P1 to P3) before the commencement of construction works to prevent tipping, vehicle movements, and encroachment of personnel into adjacent areas, and P2 to avoid disturbance to the remaining pond areas (0.7 ha);	To erect fences to prevent encroachment of construction activities onto adjacent areas.	At P1 to P3 for full duration of the construction contract.	The Contractor		✓			
8.7.4	F7	No filling and dumping to the remaining abandoned fishpond at P2.	To avoid disturbance to abandoned fishponds from construction activities and illegal dumping.	At P2 for full duration of the construction contract	The Contractor		✓			
8.7.4	F8	Installation and operation of silt removal facilities at construction sites of P1 to P3. The silt removal facilities should be designed in accordance with Appendix A1 of ProPECC Note PN1/94 Construction Site Drainage. The minimal total combined volume of the silt removal facilities at Nam Sang Wai SPS (P3) should be 15m^3.	To install silt removal facilities in potentially impact streams and ponds to prevent sedimentation.	At P1 to P3 for full duration of the construction contract.	The Contractor		✓			
8.7.4	F9	No open fires within the site boundary during	To prohibit open fires, thereby	Site wide and throughout	The Contractor		✓			*Air Pollution Control*

EIA* Ref.	EM&A Ref	Environmental Protection Measures	Objectives of the Recommended Measures & Main Concerns	Location of the measure	Implementation Agent	Implementation Stage**				Relevant Legislation & Guidelines
						Des	C	O	Dec	
		construction and provide temporary fire fighting equipment in the work areas.	minimising potential damage to trees and shrubs.	the full duration of the construction contract.						*(Open Burning) Regulation*
8.7.4	F7	No filling and dumping to the remaining abandoned fishpond at P2.	To avoid disturbance to abandoned fishponds from construction activities and illegal dumping.	At P2 for full duration of the construction contract	The Contractor		✓			
8.7.4	F8	Installation and operation of silt removal facilities at construction sites of P1 to P3. The silt removal facilities should be designed in accordance with Appendix A1 of ProPECC Note PN1/94 Construction Site Drainage.	To install silt removal facilities in potentially impact streams and ponds to prevent sedimentation.	At P1 to P3 for full duration of the construction contract.	The Contractor		✓			
8.7.4	F9	No open fires within the site boundary during construction and provide temporary fire fighting equipment in the work areas.	To prohibit open fires, thereby minimising potential damage to trees and shrubs.	Site wide and throughout the full duration of the construction contract.	The Contractor		✓			*Air Pollution Control (Open Burning) Regulation*
		FISHERIES - *Construction Phase* No specific mitigation measures are required for inclusion in the EP.								
		CULTURAL HERITAGE – Not Applicable for Package 1A-1T (DC/2005/02)								
		LANDSCAPE AND VISUAL - ***Construction Phase***								
	H1	The site inspections shall check and report the implementation of mitigation measures (i.e. top-soil are reused and new compensatory planting works are carried out immediately after the construction of the civil structure) in the monthly EM&A reports. The first monthly EM&A Report should also report the appearance of the temporary hoarding barriers.	To minimise potential landscape and visual impacts.	To be implemented during the construction phases of the project.	The Contractor		✓			
	H2	Prior to application for an Environmental Permit, a set of landscape plans and building elevations of the proposed pumping stations should be	To minimise potential landscape and visual impacts.	To be implemented during the design and construction phases of the	DSD and The Contractor	✓	✓			

EIA* Ref.	EM&A Ref	Environmental Protection Measures	Objectives of the Recommended Measures & Main Concerns	Location of the measure	Implementation Agent	Implementation Stage**				Relevant Legislation & Guidelines
						Des	C	O	Dec	
		submitted for approval by the EPD. The landscape plans and pumping station elevations should demonstrate that the following elements are considered: • existing landscape elements (such as mature trees), transplantation of valuable trees, new compensatory planting		project.						
		• incorporate information on materials, details and textures so as to be as visually recessive as possible and in a style that fits with the surrounding village buildings. • colour should be of low chromatic intensity to reduce the potential contrast between the structures and their background. The external finishing of the Pumping Stations shall be designed in conjunction with the landscape scheme. • a minimum screen planting of 3m width and use of trees with a dense canopy of up to 5 m in height subject to constraints such as engineering and land availability. • felling of mature trees are kept to a minimum.								
		EM&A REQUIEMENTS - *Construction Phase* *Air Quality*								
3.7	I1	Subject to the Environmental Protection Departments (EPDs) agreement, construction phase dust monitoring shall be undertaken at the following locations in accordance with the recommendations of the EIA. • Worksite boundary facing Scattered house in Nam Sang Wai (AM1); • Worksite boundary facing Fung Kat Heung (AM5); • Worksite boundary facing Scattered House near Route 3 (AM6);	Installations of the dust monitoring stations to ensure the action and limit levels are not exceeded.	At specified dust monitoring locations for the duration of the construction works.	To be undertaken by the Environmental Team (ET) and reviewed and audited by the Engineer /DSD		✓			*Air Pollution Control (Construction Dust) Regulations*

EIA* Ref.	EM&A Ref	Environmental Protection Measures	Objectives of the Recommended Measures & Main Concerns	Location of the measure	Implementation Agent	Implementation Stage**				Relevant Legislation & Guidelines
						Des	C	O	Dec	
		• at any additional locations, where considered necessary, in agreement with EPD.								
4.9.1	I2	*Construction Noise* Subject to the Environmental Protection Departments (EPDs) agreement, construction phase noise monitoring shall be undertaken at the following locations in accordance with the recommendations of the EIA. • (NM3) Scattered House in Nam San Wai (D12); • (NM4) Scattered House in Nam San Wai (D11); • (NM6) Scattered House near Route 3 (D17); • (NM7) Fung Kat Heung (D19); • and at any additional locations, where considered necessary, in agreement with EPD	Installations of the noise monitoring stations to ensure the action and limit levels are not exceeded.	At specified noise monitoring locations throughout the duration of the construction works.	To be undertaken by the Environmental Team (ET) and reviewed and audited by the Engineer		✓			*Noise Control Ordinance*
Des = Design, C = Construction, O = Operation, Dec = Decommissioning										

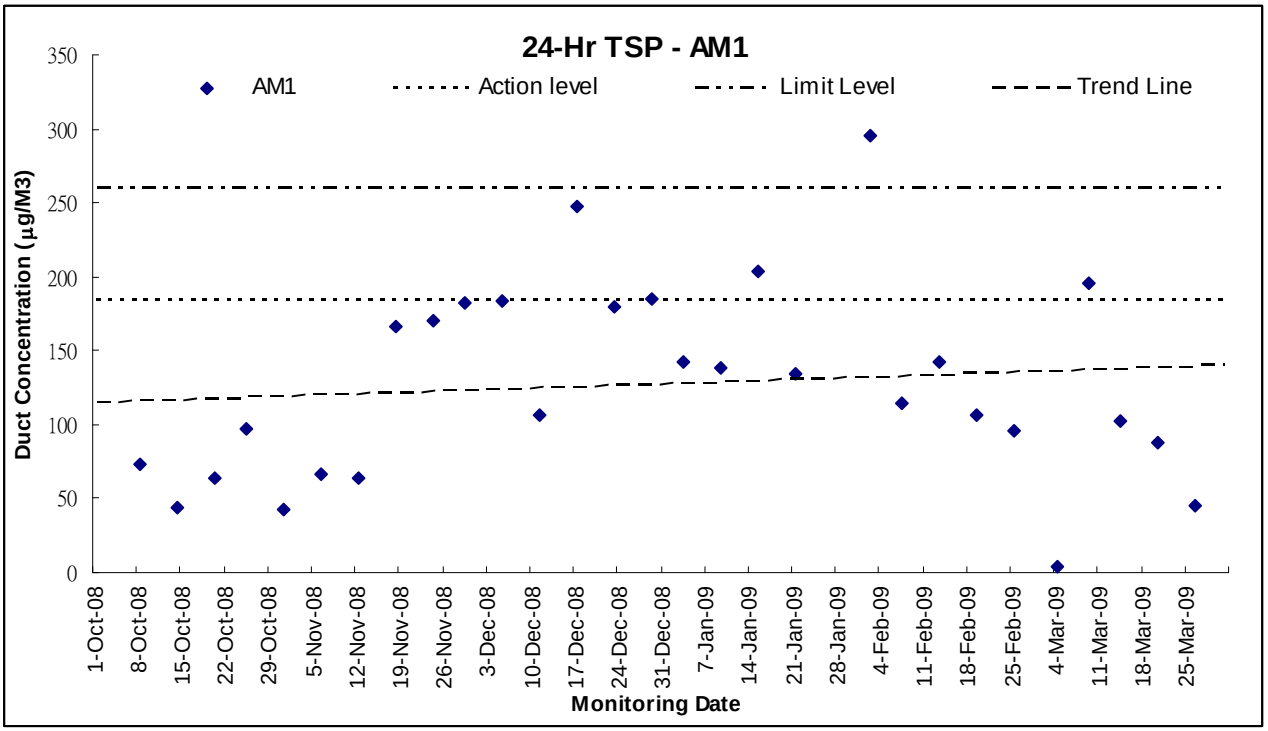
Annex H

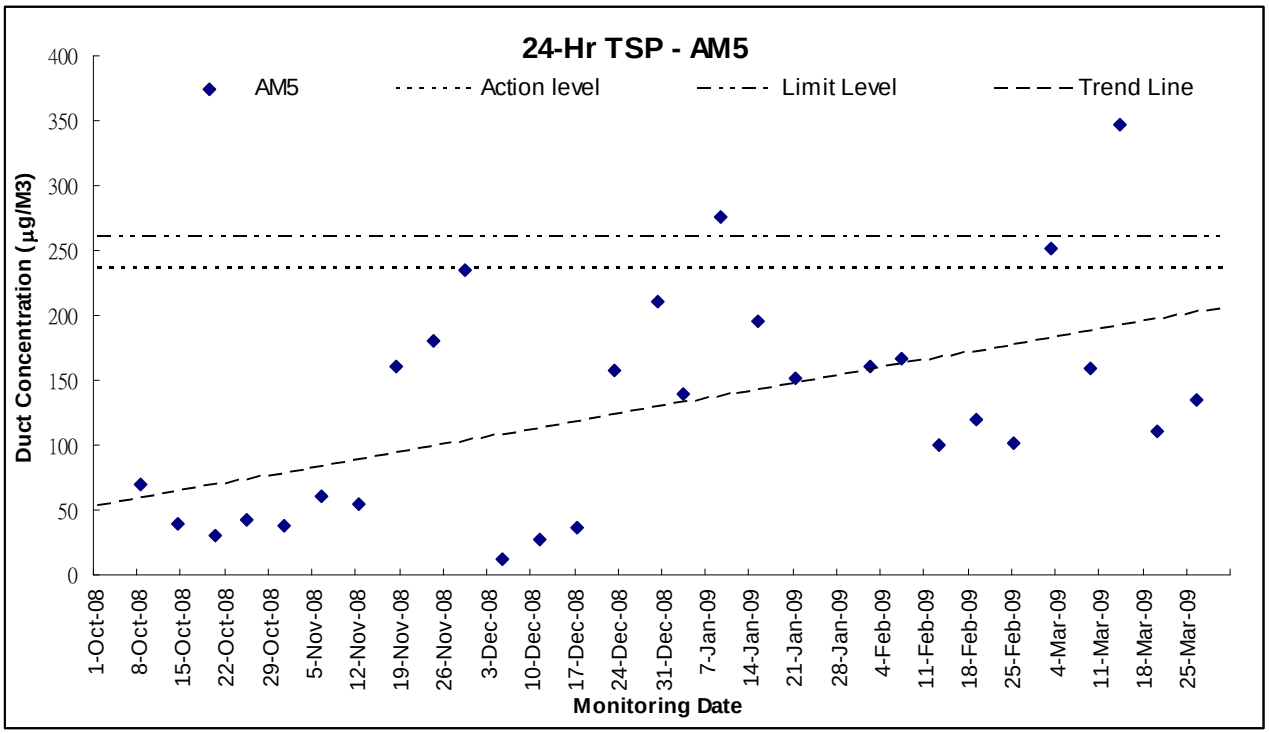
Monitoring Results & Graphical Plots of Air Quality and Noise Monitoring Results

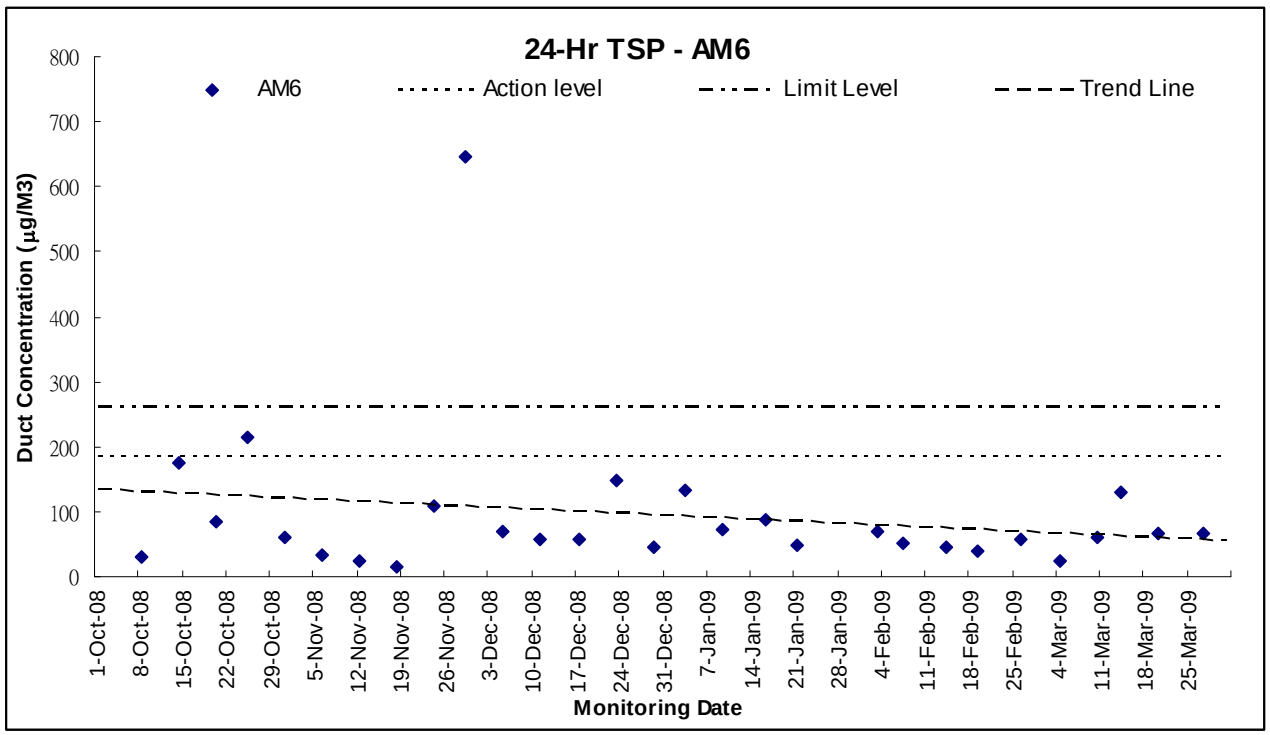
Air Quality Monitoring Results & Graphical Plot

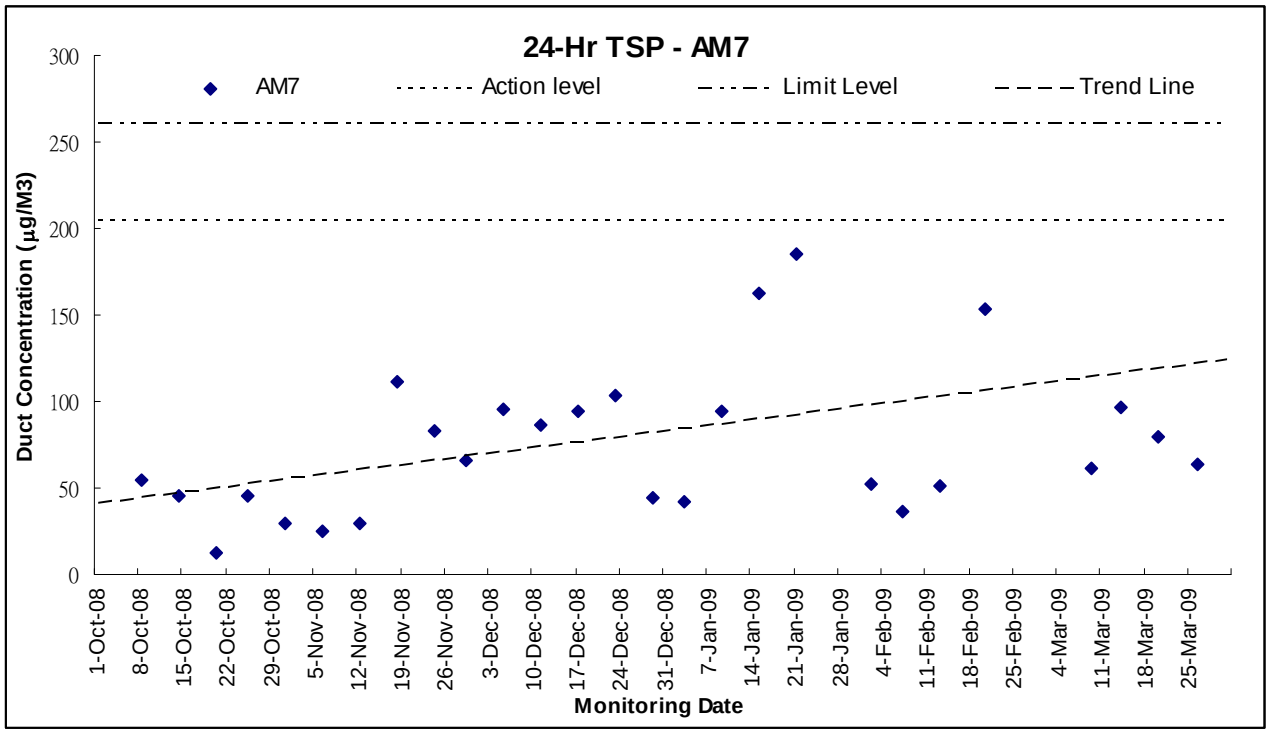
Date	24-Hr TSP (μg/m^3)			
	AM1	**AM5**	**AM6**	**AM7**
8-Oct-08	73	69	31	54
14-Oct-08	44	39	174	46
20-Oct-08	64	31	85	13
25-Oct-08	97	42	***213***	46
31-Oct-08	43	38	60	30
6-Nov-08	67	60	33	25
12-Nov-08	64	54	24	30
18-Nov-08	166	160	16	111
24-Nov-08	170	181	109	83
29-Nov-08	182	235	**646**	66
05-Dec-08	183	12	69	96
11-Dec-08	106	28	56	86
17-Dec-08	***247***	36	56	94
23-Dec-08	180	158	149	103
29-Dec-08	185	210 (30-Dec-08)	45	44
3-Jan-09	143	139	133	42
9-Jan-09	139	**276**	71	94
15-Jan-09	***203***	195	87 (16-Jan-09)	163
21-Jan-09	134	151	47	185
2-Feb-09	**295**	160	69 (03-Feb-09)	52
7-Feb-09	115	167	50	36
13-Feb-09	142	100	45 (14-Feb-09)	51
19-Feb-09	107	120	40	153 (20-Feb-09)
25-Feb-09	96	102	56 (26-Feb-09)	**284** (02-Mar-09)
3-Mar-09	4 (04-Mar-09)	**251**	24 (4-Mar-09)	
9-Mar-09	**196**	159	61 (10-Mar-09)	61
14-Mar-09	103	**347**	130	97
20-Mar-09	88	110	65	79
26-Mar-09	45	135	65 (27-Mar-09)	64
Average (Range)	61 (14 – 177)	76 (13 - 186)	36 (5 - 232)	40 (13 - 78)

All 24-Hr TSP monitoring were preset to start at 00:00 on each monitoring date.


24-Hr TSP - AM1
AM1
Action level
Limit Level
Trend Line
Duct Concentration (µg/M3)
0
50
100
150
200
250
300
350
1-Oct-08
8-Oct-08
15-Oct-08
22-Oct-08
29-Oct-08
5-Nov-08
12-Nov-08
19-Nov-08
26-Nov-08
3-Dec-08
10-Dec-08
17-Dec-08
24-Dec-08
31-Dec-08
7-Jan-09
14-Jan-09
21-Jan-09
28-Jan-09
4-Feb-09
11-Feb-09
18-Feb-09
25-Feb-09
4-Mar-09
11-Mar-09
18-Mar-09
25-Mar-09
Monitoring Date


24-Hr TSP - AM5
AM5
Action level
Limit Level
Trend Line
Duct Concentration (µg/M3)
0
50
100
150
200
250
300
350
400
1-Oct-08
8-Oct-08
15-Oct-08
22-Oct-08
29-Oct-08
5-Nov-08
12-Nov-08
19-Nov-08
26-Nov-08
3-Dec-08
10-Dec-08
17-Dec-08
24-Dec-08
31-Dec-08
7-Jan-09
14-Jan-09
21-Jan-09
28-Jan-09
4-Feb-09
11-Feb-09
18-Feb-09
25-Feb-09
4-Mar-09
11-Mar-09
18-Mar-09
25-Mar-09
Monitoring Date


24-Hr TSP - AM6
AM6
Action level
Limit Level
Trend Line
Duct Concentration (µg/M3)
800
700
600
500
400
300
200
100
0
1-Oct-08
8-Oct-08
15-Oct-08
22-Oct-08
29-Oct-08
5-Nov-08
12-Nov-08
19-Nov-08
26-Nov-08
3-Dec-08
10-Dec-08
17-Dec-08
24-Dec-08
31-Dec-08
7-Jan-09
14-Jan-09
21-Jan-09
28-Jan-09
4-Feb-09
11-Feb-09
18-Feb-09
25-Feb-09
4-Mar-09
11-Mar-09
18-Mar-09
25-Mar-09
Monitoring Date


24-Hr TSP - AM7
AM7
Action level
Limit Level
Trend Line
Duct Concentration (µg/M3)
300
250
200
150
100
50
0
1-Oct-08
8-Oct-08
15-Oct-08
22-Oct-08
29-Oct-08
5-Nov-08
12-Nov-08
19-Nov-08
26-Nov-08
3-Dec-08
10-Dec-08
17-Dec-08
24-Dec-08
31-Dec-08
7-Jan-09
14-Jan-09
21-Jan-09
28-Jan-09
4-Feb-09
11-Feb-09
18-Feb-09
25-Feb-09
4-Mar-09
11-Mar-09
18-Mar-09
25-Mar-09
Monitoring Date

Construction Noise Monitoring Results & Graphical Plot

Noise Monitoring Results at NM3

Date	Start Time	1st Leq5	2nd Leq5	3rd Leq5	4th Leq5	5th Leq5	6th Leq5	Leq30	Corrected * Leq30
02-Oct-08	09:16	46.3	45.7	45.4	45.8	46.7	45.1	45.9	48.9
09-Oct-08	09:18	52.0	51.8	52.1	52.5	52.7	52.4	52.3	55.3
15-Oct-08	09:34	48.5	48.5	49.6	52.6	9.5	50.2	49.4	52.4
21-Oct-08	11:07	50.4	49.2	48.7	49.0	55.0	50.1	51.1	54.1
27-Oct-08	09:40	58.8	47.4	49.3	45.1	45.0	42.4	52.1	55.1
01-Nov-08	11:20	49.9	49.1	50.2	57.9	49.8	52.2	52.9	55.9
07-Nov-08	11:00	61.0	60.2	59.1	59.1	59.4	60.0	59.9	62.9
13-Nov-08	11:30	54.2	51.3	57.0	55.5	51.6	54.7	54.5	57.5
19-Nov-08	11:00	67.2	66.6	66.0	67.1	67.3	68.7	67.2	70.2
25-Nov-08	11:20	47.0	50.4	43.2	42.3	45.8	53.9	49.0	52.0
01-Dec-08	10:45	54.6	53.6	55.9	57.8	56.7	58.7	56.6	59.6
06-Dec-08	11:10	63.7	62.7	63.9	61.9	60.5	62.7	62.7	65.7
12-Dec-08	10:30	47.3	45.5	46.7	48.3	45.2	47.5	46.9	49.9
18-Dec-08	10:40	46.1	42.6	43.8	43.7	44.9	46.5	44.8	47.8
24-Dec-08	10:40	50.4	52	53.2	56.3	53.9	52.4	53.4	56.4
30-Dec-08	10:30	56.5	50.2	46.7	47.3	44.7	45.2	50.8	53.8
05-Jan-09	10:35	53.2	43.9	44.9	43.4	44.7	53.5	49.5	52.5
10-Jan-09	10:20	57.1	58.4	56.9	58.1	56.4	69.8	63.1	66.1
16-Jan-09	10:30	56.3	58.9	56.4	55.7	49.8	51.4	55.7	58.7
22-Jan-09	10:30	45.1	51.7	51.8	54.9	56.7	60.7	55.8	58.8
03-Feb-09	11:20	50.9	49.5	52.3	54.8	53.9	55.4	53.3	56.3
09-Feb-09	11:10	50.6	49.7	53.2	54.9	50.4	51.5	52.1	55.1
14-Feb-09	10:40	54.2	50.5	50.9	48.2	51.2	49.7	51.2	54.2
20-Feb-09	11:00	50.4	55.7	52.8	50.3	49.6	53.1	52.5	55.5
26-Feb-09	09:40	55.3	49.5	46.0	57.2	60.9	54.2	56.2	59.2
04-Mar-09	10:26	54.9	60.4	63.2	59.3	61.2	58.7	60.3	63.3
10-Mar-09	09:55	47.5	50.9	55.4	57.9	53.2	50.3	53.9	56.9
16-Mar-09	09:42	48.9	50.1	49.2	49.3	51.7	50.9	50.1	53.1
21-Mar-09	09:40	49.3	48.2	50.7	51.9	48.4	50.9	50.1	53.1
27-Mar-09	10:15	50.9	54.8	56.7	50.3	49.7	51.4	53.1	56.1
Limit Level									**75**

* A façade correction of +3 dB(A) has been added according to acoustical principles and EPD guidelines.

Noise Monitoring Results at NM4

Date	Start Time	1st Leq5	2nd Leq5	3rd Leq5	4th Leq5	5th Leq5	6th Leq5	Leq30	Corrected * Leq30
02-Oct-08	13:03	52.5	53.4	52.9	53.7	54.5	53.7	53.5	56.5
9-Oct-08	13:41	60.5	62.1	63.7	64.3	62.1	63.6	62.9	65.9
15-Oct-08	13:40	63.4	65.2	64.9	64.7	63.5	65.6	64.6	67.6
21-Oct-08	14:27	55.4	50.9	50.7	50.1	55.5	49.2	52.7	55.7
27-Oct-08	10:45	54.1	51.6	50.2	49.8	48.7	51.4	51.3	54.3
1-Nov-08	09:50	64.9	65.4	62.3	60.6	61.2	61.1	63.0	66.0
7-Nov-08	09:15	69.6	65.3	62.4	62.4	61.1	62.7	65.0	68.0
13-Nov-08	09:45	54.7	53.0	57.1	55.5	49.3	54.0	54.5	57.5
19-Nov-08	09:30	69.2	67.5	69.9	70.5	67.4	68.6	69.0	72.0
25-Nov-08	09:40	49.9	52.8	53.3	51.1	50.2	48.9	51.3	54.3
1-Dec-08	09:45	71.7	71.5	71.3	71.9	71.5	71.2	71.5	74.5
06-Dec-08	09:50	61.2	62.4	60.7	63.8	64.7	63.9	63.0	66.0
12-Dec-08	09:00	54.4	55.3	54.1	56.6	54.1	53.0	54.7	57.7
18-Dec-08	09:00	63.3	54.6	48.5	49.9	55.4	51.8	57.1	60.1
24-Dec-08	08:50	64.9	65.6	62.0	61.7	63.4	62.9	63.7	66.7
30-Dec-08	09:00	59.1	56.0	55.1	56.6	62.1	58.4	58.6	61.6
05-Jan-09	09:00	59.2	57.6	59.4	53.5	59.5	56.1	58.0	61.0
10-Jan-09	11:00	56.7	57.9	56.4	58.5	59.4	62.1	59.0	62.0
16-Jan-09	09:00	58.9	59.4	57.6	56.2	61.5	58.7	59.0	62.0
22-Jan-09	09:00	60.3	60.8	60.9	58.2	59.7	56.8	59.7	62.7
3-Feb-09	10:00	63.4	60.5	57.9	58.2	59.9	56.3	60.0	63.0
9-Feb-09	09:40	63.9	61.3	56.5	58.2	59.7	57.3	60.3	63.3
14-Feb-09	09:00	59.5	61.4	58.4	62.9	61.2	59.7	60.8	63.8
20-Feb-09	09:00	59.7	62.3	61.7	54.8	63.9	60.7	61.3	64.3
26-Feb-09	10:30	58.7	59.2	60.4	54.9	62.8	60.7	60.0	63.0
4-Mar-09	11:15	59.9	62.3	63.4	64.9	60.1	59.8	62.2	65.2
10-Mar-09	10:42	61.2	60.9	57.3	56.2	59.1	61.3	59.7	62.7
16-Mar-09	10:31	58.2	61.7	63.4	57.4	56.9	58.7	60.1	63.1
21-Mar-09	10:13	60.3	62.5	61.7	60.4	58.9	58.7	60.6	63.6
27-Mar-09	11:00	59.7	61.2	63.3	58.2	58.9	60.8	60.7	63.7
Limit Level									**75**

* A façade correction of +3 dB(A) has been added according to acoustical principles and EPD guidelines.

Noise Monitoring Results at NM6

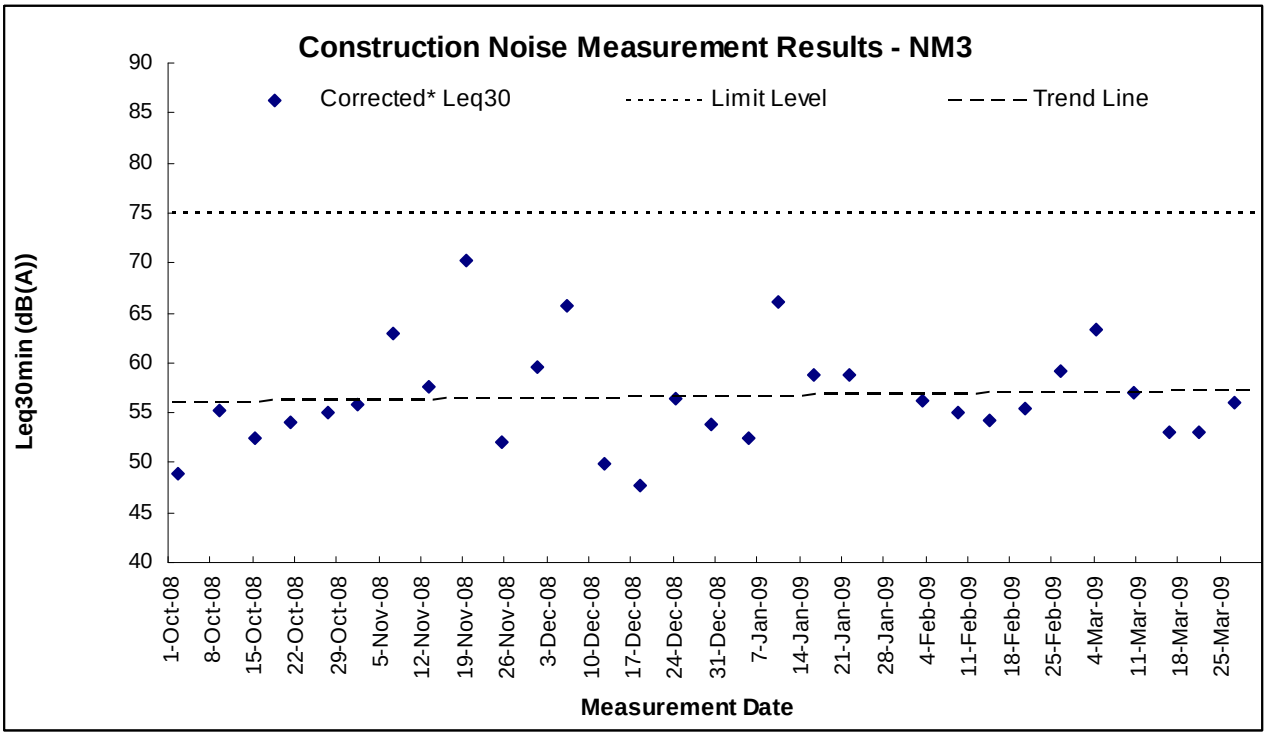
Date	Start Time	1st Leq5	2nd Leq5	3rd Leq5	4th Leq5	5th Leq5	6th Leq5	Leq30
02-Oct-08	11:28	55.3	54.8	51.9	52.4	54.4	52.1	53.7
09-Oct-08	11:27	54.8	56.0	54.3	53.1	53.8	55.3	54.7
15-Oct-08	11:23	60.7	61.4	59.8	61.2	62.3	60.8	61.1
21-Oct-08	11:23	55.3	58.0	60.1	55.6	57.5	56.6	57.5
27-Oct-08	11:30	57.6	60.6	57.9	56.8	59.6	61.0	59.2
01-Nov-08	11:26	59.5	62.8	61.6	58.8	57.6	60.3	60.4
07-Nov-08	11:27	56.2	54.4	58.2	50.7	52.5	51.0	54.7
13-Nov-08	11:28	61.3	63.0	54.3	52.7	51.6	53.6	58.4
19-Nov-08	11:27	59.9	58.8	55.7	56.9	58.3	58.3	58.2
25-Nov-08	14:24	61.6	58.8	51.6	50.7	55.8	56.9	57.5
01-Dec-08	11:25	50.8	56.5	57.3	52.8	53.2	52.6	54.5
06-Dec-08	11:25	57.8	55.0	57.2	56.3	54.3	55.8	56.2
12-Dec-08	11:27	56.7	57.8	54.7	53.9	53.0	55.3	55.5
18-Dec-08	11:30	54.9	56.9	54.8	52.6	52.9	53.3	54.5
24-Dec-08	15:40	53.9	52.1	54.3	52.8	52.0	53.1	53.1
30-Dec-08	11:29	55.8	53.5	58.3	55.2	55.1	54.0	55.6
05-Jan-09	11:30	53.0	53.2	54.7	53.2	54.3	54.8	53.9
10-Jan-09	11:27	54.4	54.6	54.1	55.1	53.2	54.1	54.3
16-Jan-09	11:26	55.1	56.4	57.1	55.8	55.6	56.2	56.1
22-Jan-09	11:26	58.2	55.7	54.2	56.3	57.4	55.1	56.4
03-Feb-09	11:28	56.3	66.4	61.0	60.8	58.1	59.4	61.6
09-Feb-09	11:29	55.2	55.1	55.9	55.5	54.7	54.4	55.2
14-Feb-09	11:26	57.2	57.6	59.4	57.9	56.3	56.7	57.6
20-Feb-09	11:30	57.0	57.3	58.8	57.6	59.1	58.3	58.1
26-Feb-09	11:26	54.0	55.5	60.2	55.7	53.8	56.3	56.5
04-Mar-09	11:30	61.2	59.1	58.2	59.3	60.6	58.3	59.6
10-Mar-09	11:28	56.3	58.3	64.7	63.6	64.5	59.4	62.2
16-Mar-09	11:28	57.8	56.9	55.8	55.5	56.2	56.9	56.6
21-Mar-09	11:30	56.6	55.3	55.9	55.1	55.5	55.6	55.7
27-Mar-09	11:29	56.3	55.6	57.2	56.7	56.2	56.3	56.4
Limit Level								**75**

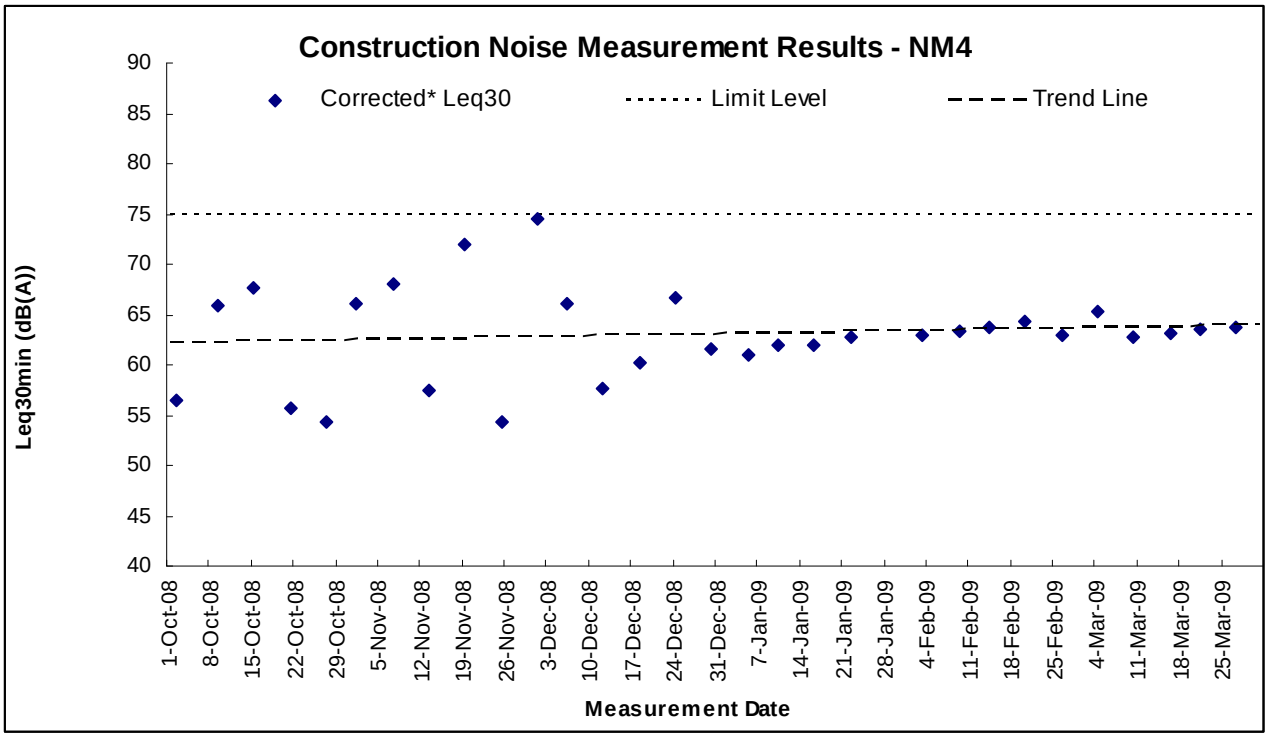
* No façade correction was required

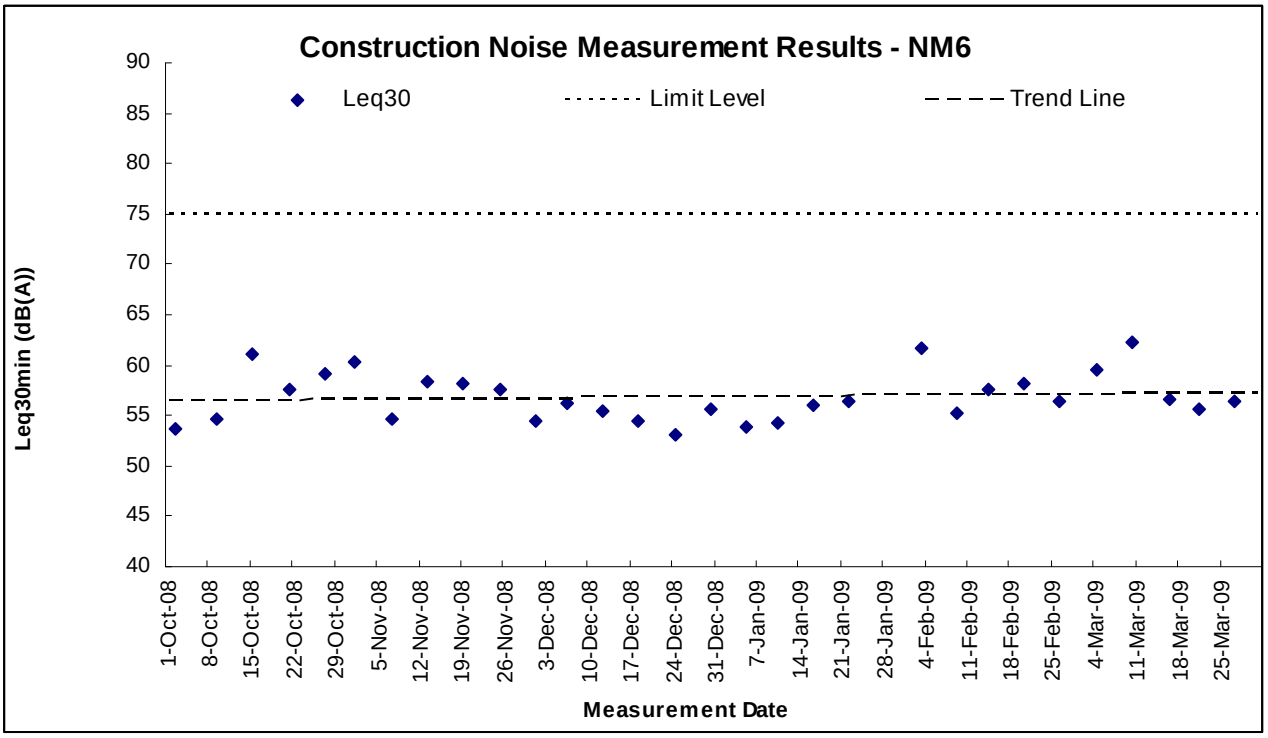
Noise Monitoring Results at NM7

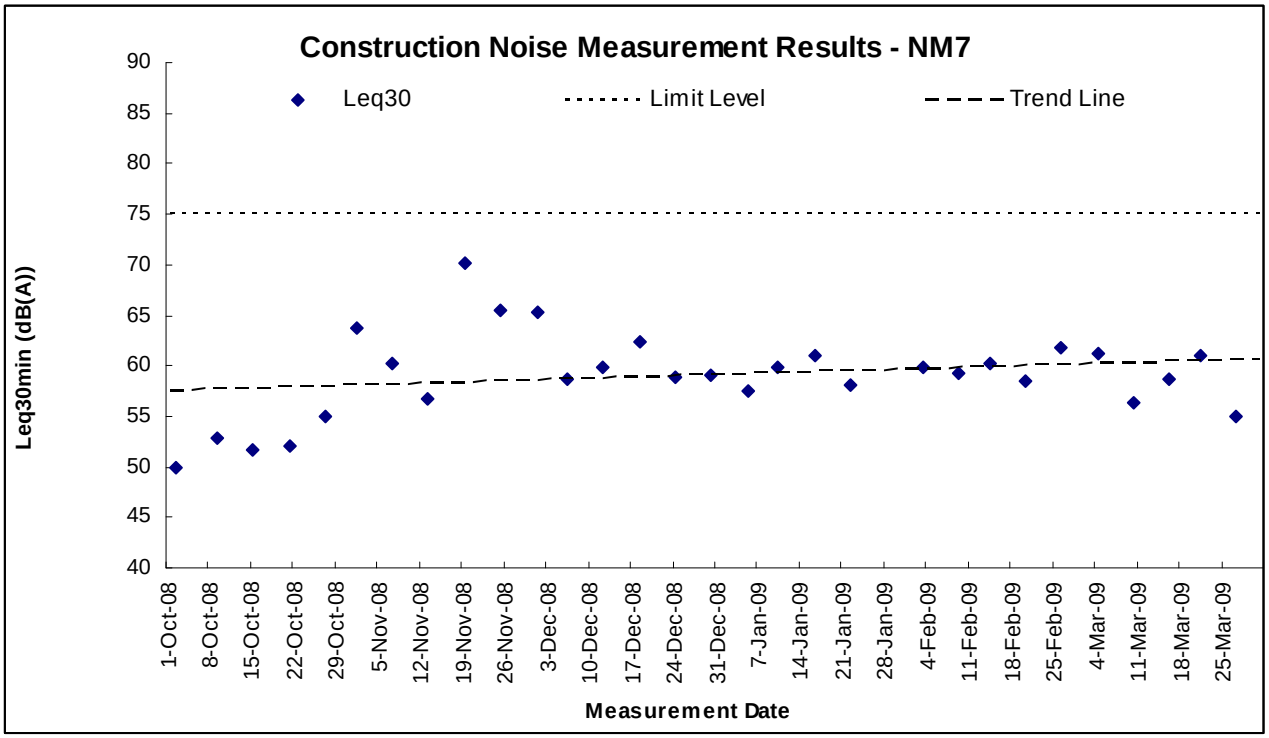
Date	Start Time	1st Leq5	2nd Leq5	3rd Leq5	4th Leq5	5th Leq5	6th Leq5	Leq30
02-Oct-08	10:15	51.9	49.7	49.1	48.6	49.1	50.4	49.9
09-Oct-08	10:21	52.7	52.8	52.4	53.6	53.3	52.7	52.9
15-Oct-08	10:27	51.9	51.9	50.8	50.5	51.2	53.2	51.7
21-Oct-08	13:00	54.7	50.6	50.1	49.7	47.8	54.8	52.1
27-Oct-08	11:50	42.2	59.4	58.5	48.8	49.0	51.3	55.0
1-Nov-08	13:00	66.1	68.4	60.6	57.5	60.3	56.6	63.8
7-Nov-08	12:00	60.1	60.2	60.0	62.4	58.2	59.1	60.2
13-Nov-08	12:20	63.1	51.8	54.1	52.4	51.1	51.3	56.8
19-Nov-08	11:45	67.8	69.9	70.4	69.8	70.3	71.4	70.1
25-Nov-08	13:00	68.4	65.2	67.1	64.3	63.7	58.4	65.5
1-Dec-08	11:30	67.0	63.5	64.7	64.5	67.5	61.5	65.2
06-Dec-08	09:00	61.8	58.7	57.6	56.2	57.0	58.2	58.7
12-Dec-08	11:15	56.4	60.7	59.4	59.3	61.2	60.7	59.9
18-Dec-08	11:20	62.4	61.5	63.4	61.4	61.5	62.9	62.3
24-Dec-08	10:05	57.9	55.9	60.1	60.3	59.4	58.6	58.9
30-Dec-08	11:10	57.7	55.5	60.9	62.5	57.2	56.3	59.1
05-Jan-09	11:20	56.7	58.9	60.0	57.4	56.3	54.1	57.6
10-Jan-09	09:00	60.0	61.2	59.4	58.4	60.2	59.3	59.8
16-Jan-09	11:15	61.2	59.7	62.9	58.7	59.3	62.5	61.0
22-Jan-09	11:20	56.4	57.9	56.5	60.5	57.8	58.4	58.1
3-Feb-09	09:00	61.9	59.4	58.7	60.5	58.2	59.6	59.9
9-Feb-09	09:00	59.2	57.3	60.2	58.9	57.4	60.9	59.2
14-Feb-09	11:30	60.9	61.2	58.2	60.4	59.7	60.2	60.2
20-Feb-09	13:00	56.4	57.9	60.2	60.3	59.1	54.7	58.5
26-Feb-09	09:00	62.5	60.4	61.7	59.5	63.1	62.7	61.8
4-Mar-09	09:34	63.4	60.9	62.3	59.7	61.3	58.9	61.3
10-Mar-09	09:08	56.2	55.1	55.8	56.7	58.2	55.9	56.4
16-Mar-09	09:00	56.4	56.9	55.5	58.7	60.2	61.3	58.7
21-Mar-09	09:00	56.2	58.3	60.9	62.7	63.5	60.9	61.1
27-Mar-09	09:22	54.2	55.7	55.1	53.1	54.5	56.7	55.0
Limit Level								**75**

* No façade correction was required


Construction Noise Measurement Results - NM3
Corrected* Leq30
Limit Level
Trend Line
Leq30min (dB(A))
90
85
80
75
70
65
60
55
50
45
40
1-Oct-08
8-Oct-08
15-Oct-08
22-Oct-08
29-Oct-08
5-Nov-08
12-Nov-08
19-Nov-08
26-Nov-08
3-Dec-08
10-Dec-08
17-Dec-08
24-Dec-08
31-Dec-08
7-Jan-09
14-Jan-09
21-Jan-09
28-Jan-09
4-Feb-09
11-Feb-09
18-Feb-09
25-Feb-09
4-Mar-09
11-Mar-09
18-Mar-09
25-Mar-09
Measurement Date


Construction Noise Measurement Results - NM4
Corrected* Leq30
Limit Level
Trend Line
Leq30min (dB(A))
90
85
80
75
70
65
60
55
50
45
40
1-Oct-08
8-Oct-08
15-Oct-08
22-Oct-08
29-Oct-08
5-Nov-08
12-Nov-08
19-Nov-08
26-Nov-08
3-Dec-08
10-Dec-08
17-Dec-08
24-Dec-08
31-Dec-08
7-Jan-09
14-Jan-09
21-Jan-09
28-Jan-09
4-Feb-09
11-Feb-09
18-Feb-09
25-Feb-09
4-Mar-09
11-Mar-09
18-Mar-09
25-Mar-09
Measurement Date


Construction Noise Measurement Results - NM6
Leq30
Limit Level
Trend Line
Leq30min (dB(A))
90
85
80
75
70
65
60
55
50
45
40
1-Oct-08
8-Oct-08
15-Oct-08
22-Oct-08
29-Oct-08
5-Nov-08
12-Nov-08
19-Nov-08
26-Nov-08
3-Dec-08
10-Dec-08
17-Dec-08
24-Dec-08
31-Dec-08
7-Jan-09
14-Jan-09
21-Jan-09
28-Jan-09
4-Feb-09
11-Feb-09
18-Feb-09
25-Feb-09
4-Mar-09
11-Mar-09
18-Mar-09
25-Mar-09
Measurement Date


Construction Noise Measurement Results - NM7
Leq30
Limit Level
Trend Line
Leq30min (dB(A))
90
85
80
75
70
65
60
55
50
45
40
1-Oct-08
8-Oct-08
15-Oct-08
22-Oct-08
29-Oct-08
5-Nov-08
12-Nov-08
19-Nov-08
26-Nov-08
3-Dec-08
10-Dec-08
17-Dec-08
24-Dec-08
31-Dec-08
7-Jan-09
14-Jan-09
21-Jan-09
28-Jan-09
4-Feb-09
11-Feb-09
18-Feb-09
25-Feb-09
4-Mar-09
11-Mar-09
18-Mar-09
25-Mar-09
Measurement Date

Annex I

Meteorological Data in the Reporting Period

Meteorological Data Extracted From the HK Observatory at Lau Fau Shan Weather Station

October 2008

Date		Weather		Lau Fau Shan Weather Station			
			Total Rainfall (mm)	Mean Air Temperature (°C)	Wind Speed (km/h)	Mean Relative Humidity (%)	Wind Direction
1-Oct-08	Wed	Holiday					
2-Oct-08	Thu	sunny periods/moderate	3	27.9	9	68	E/NE
3-Oct-08	Fri	cloudy/overcast/rain/moderate/fresh/strong	2.4	27.6	17	70	E
4-Oct-08	Sat	cloudy/scattered showers/squally thunderstorm/moderate/fresh	14	28.1	17	78	E
5-Oct-08	Sun	cloudy/moderate/fresh	122.6	25	29.5	88.5	S/SE
6-Oct-08	Mon	cloudy/moderate/fresh	Trace	24	27.5	80.5	N/NW
7-Oct-08	Tue	Holiday					
8-Oct-08	Wed	cloudy/sunny periods/moderate/fresh	0.5	25	12	77	E/NE
9-Oct-08	Thu	sunny periods/cloudy/moderate/fresh	Trace	27.7	14	72	E
10-Oct-08	Fri	fine/dry/moderate	0	28.3	10	70	E/SE
11-Oct-08	Sat	fine/dry/moderate/fresh	0	28.2	13.5	68.5	E/NE
12-Oct-08	Sun	cloudy/rain/fresh/strong	Trace	26.6	12	73	E/NE
13-Oct-08	Mon	cloudy/rain/fresh/strong	0.3	24.5	11	83	E/NE
14-Oct-08	Tue	cloudy/haze/sunny periods/moderate/fresh	Trace	25.6	13.5	75.5	E/NE
15-Oct-08	Wed	fine/dry/moderate/fresh	Trace	26.9	9	71	E
16-Oct-08	Thu	fine/hazy/cloudy/moderate	0	27.4	12	71	E/SE
17-Oct-08	Fri	cloudy/rain/moderate/fresh	0.1	26.8	11.7	69.5	E/SE
18-Oct-08	Sat	sunny periods/cloudy/moderate/fresh	0	28.5	10.7	71.5	E/SE
19-Oct-08	Sun	fine/dry/moderate/fresh	1.6	28.6	9.5	66.2	E/SE
20-Oct-08	Mon	fine/dry/moderate/fresh	Trace	28.3	14.5	66.5	E/SE
21-Oct-08	Tue	fine/moderate	0	27.4	13.5	66.5	E
22-Oct-08	Wed	fine/moderate	0	27	9	74	E/SE
23-Oct-08	Thu	fine/hot/haze/light winds	0	26.7	10.5	76.2	S/SE
24-Oct-08	Fri	cloudy/sunny intervals/moderate/fresh	0	28	11.5	68	E/NE
25-Oct-08	Sat	cloudy/sunny intervals/moderate/fresh	Trace	27.6	15.5	68	E
26-Oct-08	Sun	cloudy/sunny intervals/moderate/fresh	0	27.4	11.7	70.5	E/SE
27-Oct-08	Mon	fine/haze/moderate	Trace	27.3	10.5	74.3	E/NE
28-Oct-08	Tue	fine/cloudy/rain/moderate/fresh	0.1	26	9.7	73.5	E
29-Oct-08	Wed	sunny intervals/cloudy/moderate	0	27.5	10.2	6.9	E/SE
30-Oct-08	Thu	fine/moderate/fresh/rain	0	28	9	71.5	E/SE
31-Oct-08	Fri	sunny intervals/cloudy/moderate/fresh	0	28.5	12.5	71.7	E

November 2008

Date		Weather		Lau Fau Shan Weather Station			
			Total Rainfall (mm)	Mean Air Temperature (°C)	Wind Speed (km/h)	Mean Relative Humidity (%)	Wind Direction
1-Nov-08	Sat	cloudy/sunny intervals/rain/moderate/fresh	0.2	27.1	15.5	70.7	E
2-Nov-08	Sun	cloudy/rain/moderate/fresh	2.6	27.7	13.5	77	E/SE
3-Nov-08	Mon	cloudy/rain/thunderstorm/moderate/fresh	51.2	23.7	12	91	E/NE
4-Nov-08	Tue	cloudy/rain/moderate/fresh	Trace	25.1	17	81	E/NE
5-Nov-08	Wed	cloudy/sunny intervals/rain/moderate/fresh	0.3	26.6	15	76	E/NE
6-Nov-08	Thu	sunny periods/cloudy/moderate	0	27.6	11	75.5	E
7-Nov-08	Fri	fine/cloudy/rain/moderate	Trace	27.9	9	76.5	E/SE
8-Nov-08	Sat	cloudy/rain/fresh/strong	Trace	27.5	16.5	78	N/NW
9-Nov-08	Sun	fine/very dry/fresh/strong	Trace	Maintenance	27.5	Maintenance	N/NE
10-Nov-08	Mon	fine/very dry/fresh/strong	0	19.5	26	Maintenance	N/NE
11-Nov-08	Tue	fine/very dry/moderate/fresh	0	18.9	20.5	45	NE
12-Nov-08	Wed	fine/very dry/moderate	0	19.6	15	42	E/NE
13-Nov-08	Thu	fine/dry/moderate	Trace	21.5	11	45	E
14-Nov-08	Fri	fine/dry/moderate	Trace	23.7	9.2	61.5	E/NE
15-Nov-08	Sat	fine/moderate	0	24.1	7.2	66	E/NE
16-Nov-08	Sun	fine/moderate	0	25.8	13.2	54	E/SE
17-Nov-08	Mon	fine/moderate	0	24.8	12	68.5	E/SE
18-Nov-08	Tue	fine/dry/haze/cloudy/fresh/strong	0	21.2	14.5	64	E/NE
19-Nov-08	Wed	fine/dry/cool/moderate/fresh	0	18.7	21.5	47	NE
20-Nov-08	Thu	fine/dry/cool/moderate/fresh	0	16.9	12.7	42.5	E/NE
21-Nov-08	Fri	fine/dry/moderate/fresh	0	18.7	8.2	52.5	E/NE
22-Nov-08	Sat	sunny periods/dry/cloudy/moderate	0	20.6	8.5	59	E/NE
23-Nov-08	Sun	fine/moderate/fresh	Trace	22.9	10	96.5	W/SW
24-Nov-08	Mon	fine/dry/moderate/fresh	0	22.6	15	95.5	N/NE
25-Nov-08	Tue	fine/dry/moderate	0	21.7	15	50	E/NE
26-Nov-08	Wed	fine/dry/moderate	0	20.8	11.2	57.5	E/NE
27-Nov-08	Thu	fine/very dry/cool/fresh/strong	0	18.3	22.7	44.5	N/NE
28-Nov-08	Fri	fine/very dry/moderate/fresh	0	15.2	33.5	27.2	NE
29-Nov-08	Sat	fine/very dry/cool/moderate	0	17.1	12	30	E/NE
30-Nov-08	Sun	fine/dry/moderate	0	16.9	9.2	38	N

December 2008

Date		Weather		Lau Fau Shan Weather Station			
			Total Rainfall (mm)	Mean Air Temperature (°C)	Wind Speed (km/h)	Mean Relative Humidity (%)	Wind Direction
1-Dec-08	Mon	fine/dry/moderate	0	17.3	8.5	57.2	E/SE
2-Dec-08	Tue	fine/dry/light winds/moderate	0	17.4	8.5	49.5	E/SE
3-Dec-08	Wed	sunny intervals/cloudy/moderate/fresh	Trace	19.9	11.5	58.5	E/NE
4-Dec-08	Thu	sunny intervals/moderate/rain/cool	0.2	23.9	11	59	E
5-Dec-08	Fri	fine/very dry/cool/moderate/fresh	Trace	18.2	22	52	NE
6-Dec-08	Sat	fine/very dry/moderate/fresh	0	15.4	14.5	33.5	NE
7-Dec-08	Sun	sunny periods/dry/moderate	0.4	15.6	8.7	35.2	E/SE
8-Dec-08	Mon	sunny periods/very dry/moderate	Trace	18.1	16	38.7	N/NE
9-Dec-08	Tue	fine/very dry/moderate	0	16.8	13	36	E/SE
10-Dec-08	Wed	fine/very dry/moderate	0	19.5	11	54	E/SE
11-Dec-08	Thu	fine/very dry/haze/moderate	0	18.6	8.5	44	E/SE
12-Dec-08	Fri	dry/sunny intervals/cloudy/moderate/fresh	0	22.3	10	54.5	E
13-Dec-08	Sat	sunny periods/dry/fine/moderate/fresh	0	21.4	10	63	E/NE
14-Dec-08	Sun	fine/dry/hazy/moderate	0	18.7	4	12	E/NE
15-Dec-08	Mon	fine/dry/hazy/moderate	0	15.4	14.5	Maintenance	E/NE
16-Dec-08	Tue	fine/dry/hazy/moderate	0	16.1	9	62	E
17-Dec-08	Wed	fine/dry/haze/moderate	0	17.2	7.2	58	E/SE
18-Dec-08	Thu	fine/dry/haze/light winds/moderate	0	17.4	9.2	53	E/SE
19-Dec-08	Fri	fine/dry/haze/moderate	0	21.2	13.5	51	E
20-Dec-08	Sat	fine/dry/haze/moderate	0	21.9	9	57.5	E/SE
21-Dec-08	Sun	fine/dry/haze/moderate	0	21.8	8.5	56	E
22-Dec-08	Mon	fine/dry/fresh/strong	Trace	14.9	19	59.7	E/NE
23-Dec-08	Tue	fine/dry/moderate	0	12.6	19	45	NE
24-Dec-08	Wed	cloudy/dry/sunny intervals/moderate	0	17.3	10.5	49.7	N/NE
25-Dec-08	Thu	Holiday					
26-Dec-08	Fri	Holiday					
27-Dec-08	Sat	cloudy/rain/moderate/fresh	Trace	20	9	64	E/NE
28-Dec-08	Sun	cloudy/haze/moderate/fresh	0.1	19.4	8.2	81	N/NE
29-Dec-08	Mon	cloudy/haze/moderate/fresh	2	19.5	11.7	76	N/NE
30-Dec-08	Tue	cloudy/rain/cool/moderate/fresh	5.2	15.9	12.2	76	E/NE
31-Dec-08	Wed	rain/fine/moderate/fresh	1.1	13.9	19	72.5	NE

January 2009

Date		Weather		Lau Fau Shan Weather Station			
			Total Rainfall (mm)	Mean Air Temperature (°C)	Wind Speed (km/h)	Mean Relative Humidity (%)	Wind Direction
1-Jan-09	Thu	Holiday					
2-Jan-09	Fri	fine/dry/moderate	0	10.7	19	35.5	E/NE
3-Jan-09	Sat	fine/dry/cloudy/moderate/fresh	0	14.7	9	48.5	E/NE
4-Jan-09	Sun	fine/dry/moderate/fresh	Trace	18	13	50	E/NE
5-Jan-09	Mon	fine/dry/moderate/fresh	0	18	7.5	43.5	E/NE
6-Jan-09	Tue	fine/fresh/strong	0	19.3	10.5	66.7	E/SE
7-Jan-09	Wed	fine/dry/hazy/moderate/fresh	0	16.5	14.7	65	E/NE
8-Jan-09	Thu	fine/dry/moderate/fresh	0	13.8	17	57	NE
9-Jan-09	Fri	fine/dry/cold/fresh/strong	0	12.1	22.5	48.5	N/NE
10-Jan-09	Sat	fine/very dry/cold/fresh/strong	0	12.1	21.5	32.5	NE
11-Jan-09	Sun	fine/cold/very dry/moderate/fresh	0	11.6	9	Maintenance	E/SE
12-Jan-09	Mon	fine/very dry/cold/moderate/fresh	0	13.8	17.7	Maintenance	E/NE
13-Jan-09	Tue	fine/cold/very dry/moderate/fresh	0	12.5	18.7	28	E/NE
14-Jan-09	Wed	fine/dry/cold/moderate/fresh	0	11.8	16.5	25	E/NE
15-Jan-09	Thu	fine/very dry/cool/moderate	0	12.9	10.7	47.5	E/NE
16-Jan-09	Fri	fine/dry/cool/moderate	0	13.4	11.5	52.7	E/SE
17-Jan-09	Sat	fine/dry/cool/moderate	0	15.9	11	57.5	E/SE
18-Jan-09	Sun	fine/haze/moderate/fresh	0	17.7	8	63.5	W/SW
19-Jan-09	Mon	fine/haze/moderate/fresh	0	22	10	60.5	E/SE
20-Jan-09	Tue	sunny periods/cloudy/moderate/fresh	0	18.8	12.2	54.5	E
21-Jan-09	Wed	fine/hazy/light winds/moderate	0	21.7	9	63	E
22-Jan-09	Thu	fine/dry/hazy/moderate	0	18.5	12	66	W/SW
23-Jan-09	Fri	cloudy/dry/hazy/moderate/fresh	0	16.3	16	70	E/NE
24-Jan-09	Sat	cloudy/very dry/cold/fresh/strong			22.5	47	NE
25-Jan-09	Sun	cloudy/very dry/cold/fresh/strong	0	12.6	24	43.5	NE
26-Jan-09	Mon	Holiday					
27-Jan-09	Tue	Holiday					
28-Jan-09	Wed	Holiday					
29-Jan-09	Thu	cloudy/haze/sunny intervals/moderate	0	14.9	12	72	W/SW
30-Jan-09	Fri	fine/dry/moderate/fresh	0	16.1	14.5	75.5	W/NW
31-Jan-09	Sat	fine/cloudy/moderate/fresh	0	17.4	18.5	58.5	E/NE

February 2009

Date		Weather		Lau Fau Shan Weather Station			
			Total Rainfall (mm)	Mean Air Temperature (°C)	Wind Speed (km/h)	Mean Relative Humidity (%)	Wind Direction
1-Feb-09	Sun	sunny periods/moderate/fresh	Trace	20.4	13.5	57.5	E
2-Feb-09	Mon	fine/moderate	0	20.5	10.5	58.7	E/NE
3-Feb-09	Tue	fine/haze/light winds	0	17.8	13	67.5	E/SE
4-Feb-09	Wed	sunny periods/cloudy/moderate/fresh	0	19.9	11.7	67.2	E/SE
5-Feb-09	Thu	fine/haze/moderate	0	18.3	13.2	68.7	E/NE
6-Feb-09	Fri	fine/moderate/fresh	0	19.5	11.2	73	E/SE
7-Feb-09	Sat	fine/haze/moderate	0	19.7	14.5	68	E/SE
8-Feb-09	Sun	fine/haze/moderate	0	22	10	61	E/SE
9-Feb-09	Mon	fine/moderate/haze	0	20.2	13.5	67.5	E/NE
10-Feb-09	Tue	fine/hazy/moderate/fresh	0	27.3	13.5	67	E/SE
11-Feb-09	Wed	fine/hazy/light winds	0	19.2	10.5	66	E/SE
12-Feb-09	Thu	fine/misty/moderate	0	22.2	15.5	70.5	S/SE
13-Feb-09	Fri	cloudy/warm/sunny intervals/moderate	0	23.9	15.5	68	S/SE
14-Feb-09	Sat	cloudy/rain/fog/moderate	Trace	24.5	16	79.5	S/SE
15-Feb-09	Sun	cloudy/rain/mist/strong	0.1	24.3	18	79	E/NE
16-Feb-09	Mon	Cloudy/rain/mist/fresh/strong	0.06	23.5	14.5	73.5	E
17-Feb-09	Tue	sunny periods/fresh/strong	Trace	20.2	15	68.5	E/NE
18-Feb-09	Wed	sunny periods/cloudy/moderate	Trace	21.5	10.5	63.5	E/NE
19-Feb-09	Thu	cloudy/rain/moderate	0.3	23	13	74.5	E/NE
20-Feb-09	Fri	cloudy/bright/moderate/fresh	Trace	20.9	19	73.5	E/NE
21-Feb-09	Sat	sunny intervals/rain/fresh/strong	Trace	22.6	12	64.5	E/SE
22-Feb-09	Sun	fog/sunny periods/moderate	Trace	24.6	26.5	67	S/SE
23-Feb-09	Mon	cloudy/fog/sunny periods/moderate	0	26	15	72.5	S/SE
24-Feb-09	Tue	cloudy/sunny periods/mist/moderate	Trace	26.7	17	71	S/SE
25-Feb-09	Wed	sunny periods/cloudy/fog/moderate	Trace	25.5	13.5	69.2	S/SE
26-Feb-09	Thu	cloudy/foggy/drizzle/moderate/fresh	0.3	24.8	11.7	73.5	E/SE
27-Feb-09	Fri	cloudy/mist/moderate	Trace	24.1	15.5	72	E
28-Feb-09	Sat	cloudy/rain/moderate/fresh	Trace	22.6	12.7	73.7	E/NE

March 2009

Date		Weather		Lau Fau Shan Weather Station			
			Total Rainfall (mm)	Mean Air Temperature (°C)	Wind Speed (km/h)	Mean Relative Humidity (%)	Wind Direction
1-Mar-09	Sun	cloudy/rain/moderate/fresh	0.8	18.6	8.7	74.5	E/NE
2-Mar-09	Mon	cloudy/rain/moderate/fresh	Trace	18.1	10	80.5	E/NE
3-Mar-09	Tue	cloudy/sunny intervals/moderate	Trace	18.6	9.2	67	E/NE
4-Mar-09	Wed	cloudy/rain/mist/moderate/fresh	0.4	19.7	9.5	72.5	E/NE
5-Mar-09	Thu	foggy/rain/moderate/fresh	28.5	23.3	21.5	78	E/NE
6-Mar-09	Fri	cloudy/rain/squally thunderstorm/cool/moderate/fresh	11.6	15.4	27	84.5	E/NE
7-Mar-09	Sat	cool/rain/moderate/fresh	0.2	12.9	17	85.7	N/NE
8-Mar-09	Sun	cloudy/moderate/sunny intervals	0.1	13.7	8.5	90	E/NE
9-Mar-09	Mon	sunny intervals/cloudy/moderate/warm	0.4	16.1	10.2	77.7	N/NE
10-Mar-09	Tue	cloudy/fresh/strong	0	19.2	10.5	67.7	E/SE
11-Mar-09	Wed	cloudy/sunny intervals/fresh/strong	Trace	22.4	11.5	69.5	E
12-Mar-09	Thu	cloudy/sunny intervals/misty/fresh/strong	Trace	23.2	19.5	71	E/SE
13-Mar-09	Fri	cloudy/rain/fog/light winds	Trace	19.1	19	75.5	E/NE
14-Mar-09	Sat	fine/dry/moderate/fresh	Trace	16.4	34	58.5	N/NE
15-Mar-09	Sun	fine/moderate	0	17.4	9	52	S/SE
16-Mar-09	Mon	fine/moderate	0	19.4	7.7	72	E/NE
17-Mar-09	Tue	fine/moderate	0	22.3	12	74.5	W/SW
18-Mar-09	Wed	fine/warm/cloudy/light winds	0	23	11.5	66.5	S/SE
19-Mar-09	Thu	mist/sunny periods/cloudy/light winds	0	22	14.5	80	S/SE
20-Mar-09	Fri	fog/sunny periods/cloudy/light winds	0	24.1	8.5	84.5	W/SW
21-Mar-09	Sat	cloudy/fog/rain/moderate/fresh	0.1	25.1	12.2	78.7	S/SE
22-Mar-09	Sun	fog/light winds/rain	Trace	26.4	15.2	78	SW
23-Mar-09	Mon	foggy/rain/moderate	Trace	26.7	9.7	80.7	S/SE
24-Mar-09	Tue	cloudy/rain/moderate/fresh	27.1	20.8	18	76.5	E/NE
25-Mar-09	Wed	cloudy/rain/squally thunderstorm/moderate/fresh	27.9	18.1	13	83.2	E/NE
26-Mar-09	Thu	cloudy/rain/moderate/fresh	Trace	18.1	11.5	76.5	E/NE
27-Mar-09	Fri	cloudy/rain/mist/moderate/fresh	10.4	20.6	14	84.5	E
28-Mar-09	Sat	cloudy/fog/rain/thunderstorm/moderate	0.6	24.4	10	86.2	E/NE
29-Mar-09	Sun	cloudy/rain/fresh/strong	2.6	19.1	11.5	84.5	E/NE
30-Mar-09	Mon	sunny intervals/cloudy/fresh/strong	Trace	18.7	12.5	78.5	E/NE
31-Mar-09	Tue	sunny periods/cloudy/iterate/fresh	Trace	20	12	75	E/NE