Highways Department

Ι

Route 8 (previously known as Route 9) between Cheung Sha Wan & Sha Tin

Contract No.¹ HY/2003/10 - Environmental Team for Lai Chi Kok Viaduct and Eagle's Nest Tunnel

> Monthly EM&A Report Part I – Lai Chi Kok Viaduct (Version 1.0)

> > February 2008

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REMARKS:

The information supplied and contained within this report is, to the best of our knowledge, correct at the time of printing.

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ABBREVIATION AND ACRONYM

Action and Limit Levels
Civil Engineering and Development Department
Engineer/Engineer's Representative
Environmental Impact Assessment
Environmental Monitoring and Audit
Environmental Mitigation Implementation Schedule
Environmental Permit
Environmental Protection Department
Environmental Team
High Volume Sampler
Highways Department
Independent Environmental Checker
Notification of Exceedancne
Quality Assurance / Quality Control
Resident Engineer
Relative Humidity
Sound Level Meter
Total Suspended Particulates

EXECUTIVE SUMMARY

Introduction

This is the 51st monthly Environmental Monitoring and Audit (EM&A) Report prepared by Cinotech Consultants Limited for the "Route 8 (previously known as Route 9) between Cheung Sha Wan & Sha Tin, Lai Chi Kok Viaduct & Eagle's Nest Tunnel". This report documents the findings of EM&A Works conducted in February 2008 for Contract No. HY/2003/01, Lai Chi Kok Viaduct (the Project).

The major site activities for civil works undertaken in the reporting month included:

- Slope upgrading works for Feature No. 11NW-A/FR 54 & A/FR55;
- Drainage works at Lai Po Road and Nob Hill (underneath LW Overpass);
- Installation of top rail of parapet at main viaduct, slip roads C&D and Ching Cheung Road;
- Erection of noise barrier and signage at slip roads A, B C, D and Main Viaduct;
- Installation of E&M works in Irrigation Pump House;
- RSSM and slope drains for slope CCR-S4;
- RSSM for slope CCR-S1 and Batter 8;
- Roadworks at main viaduct, slip roads C & D, Lai Po Road, Butterfly Valley Interchange, Butterfly Valley Road and Ching Cheung Road; and
- Feature walls construction for landscape hardworks at Lai Po Road.

The major site activities for Traffic Control and Surveillance System (TCSS) works undertaken in the reporting month included:

• Site Acceptance Tests (SAT) for TCSS equipment

Environmental Monitoring and Audit Works

Environmental monitoring and audit works for the Project was performed regularly as stipulated in the updated EM&A Manual and the results were checked and reviewed. Site audits were conducted once per week. The implementation of the environmental mitigation measures, Event Action Plans and environmental complaint handling procedures were also checked.

• Summary of the events and action taken in the reporting month is tabulated in **Table I**.

Table I Summary Table for Events Recorded in the Reporting Month

Parameter	No. of 1	Events	No. of Events	Action Taken
rarameter	Action Level	Limit Level	Due to the Project	Action Taken
1-hr TSP	0	0	0	N/A
24-hr TSP	0	0	0	N/A
Noise	1	0	0 (Invalid complaint)	Complaint Investigation

Environmental Licenses and Permits

Licenses/Permits granted to the Project include the Environmental Permit (EP) for the Project, the Water Discharge Licenses (WDLs) and the Construction Noise Permits (CNPs). Two new CNPs were issued to the Project by EPD in the reporting month.

Key Information in the Reporting Month

Summary of key information in this reporting month is tabulated in Table II.

Event	Event Details		Action Taken	Status	Remark	
Event	Number	Nature	ACTION TAKEN	Status	кешагк	
Complaint received	1	Noise	Complaint investigation	Investigation reports were submitted		
Changes to the assumptions and key construction / operation activities recorded	0		N/A	N/A		
Status of submissions under EP	0		N/A	N/A		
Notifications of any summons & prosecutions received	0		N/A	N/A		

 Table II
 Summary Table for Key Information in the Reporting Month

Future Key Issues:

Major site activities for civil works in the coming month include:

- Landscaping works at retaining wall at LCK-R1,R2 & R3;
- Slope upgrading works for Feature No. 11NW-A/FR 54 & A/FR55;
- Drainage works and landscaping works at Lai Po Road and Nob Hill (underneath LW Overpass);
- Planting at Slope CCR-S1, S2, Butterfly Valley Interchange;
- Installation of E&M works in Irrigation Pump House;
- Hydromulching to Slope CCR-S4 and slope CCR-S1, Batter 8;
- Road works at Lai Po Road, Butterfly Valley Interchange, Butterfly Valley Road; and
- Feature walls construction for landscape hardworks at Lai Po Road.

Major site activities for TCSS works in the coming month include:

Site Acceptance Tests (SAT) for TCSS equipment.

The anticipated environmental issues will be mainly on dust impact from road works, retaining wall construction, slope upgrading works and noise nuisance from drainage works at Lai Po Road & Nob Hill (underneath LW Overpass).

1. INTRODUCTION

Background

- 1.1 Route 9 (Kowloon Section) (R9K) (hereinafter call the R9K-Project) forms part of the Route 9 between Cheung Sha Wan and Sha Tin (R9-CSWST) project, which will be a new expressway connecting West Kowloon and Sha Tin. It will be the fourth external link between Sha Tin and Kowloon and will form an important link between the northeast New Territories and the west Kowloon, Lantau Island and the western New Territories. R9K is being managed and implemented by the Highways Department (HyD).
- 1.2 The engineering design of R9K is covered under Agreement No. CE 50/98 "Route 9 between Cheung Sha Wan and Sha Tin Design Construction Assignment". The main consultant engaged under Agreement No. CE 50/98 is Maunsell Hyder Joint Venture (MHJV), who will act as the Engineer for the construction contracts. The works of R9K mainly comprise a 1.4km dual 3-lane Lai Chi Kok Viaduct from Lai Wan Interchange to Butterfly Valley; 0.5 km of dual 3-lane at-grade carriageway linking to the 2.1 km dual 3-lane twin-bore Eagle's Nest Tunnel with associated portal buildings; a toll plaza with an administration building located with the Sha Tin valley woodland; a ventilation building and an adit; associated noise barriers, noise enclosures, drainage, slope and landscape works; and electrical and mechanical works for the whole R9-CSWST. The remainder of the R9-CSWST forms the Sha Tin Section (R9S) of the project and is being managed and implemented separately by the Civil Engineering and Development Department (CEDD).
- 1.3 The R9-CSWST project is a Designated Project under the Environmental Impact Assessment Ordinance (Cap. 499) (EIAO). An environmental impact assessment (EIA) report has been prepared in 1998 for the R9-CSWST project (1998 R9 EIA) to consider the key issues of noise, air quality, water quality, ecological, construction waste, landscape and visual, land use and cultural impacts, and identify possible mitigation measures.
- 1.4 An Updated Final EIA report was subsequently completed in September 1999 for the R9-CSWST project (1999 R9 EIA), to cater for some changes in R9K portion as mentioned in paragraph 1 in the report. The 1999 R9 EIA was endorsed by Environmental Protection Department (EPD) in November 1999. The 1998 R9 EIA and the 1999 R9 EIA (R9 EIA Reports) were included in the EIA register under the EIAO as report no. EIA-135/BC and AEIAR-022/1999 respectively. Environmental Monitoring and Audit (EM&A) Manuals for each of the R9 EIA Reports (EM&A Manuals) were also included as part of the EIA reports in the register.
- 1.5 Subsequent to the endorsement of the R9 EIA Reports by EPD in November 1999, the project programme was deferred to start in 2002/2003 for completion by 2006/07. The implementation of the project was then separated into the R9S and R9K portion. An Environmental Permit (EP) No. EP-103/2001 was issued on 17 September 2001 for R9K to the HyD as Permit Holder and a varied EP No. EP-103/2001/C was subsequently issued on 22 July 2005.

- 1.6 The major construction activities of two civil contracts of the R9K project, Contract No. HY/2003/01 entitled "Route 9 – Lai Chi Kok Viaduct" and Contract No. HY/2003/02 entitled "Route 9 – Eagle's Nest Tunnel and Associated Works", were commenced in 15th December 2003 for completion in April 2007.
- 1.7 "Route 9" was recently re-titled as "Route 8 (previously known as Route 9)". Cinotech Consultants Limited (Cinotech) was commissioned by HyD to undertake the Environmental Monitoring and Audit works for "Route 8 between Cheung Sha Wan and Sha Tin Environmental Team (ET) for Lai Chi Kok Viaduct and Eagle's Nest Tunnel (Contract No. HY/2003/10)". Dr. Priscilla CHOY of Cinotech Consultants Ltd. was appointed as the ET Leader under Condition 2.2 of the EP. Mr. Damien Ku of CH2M HILL Hong Kong Ltd. was appointed as the IEC under Condition 2.1 of the EP. This is the 51st monthly EM&A report summarizing the EM&A works for the Project in February 2008.

Project Organizations

- 1.8 Different parties with different levels of involvement in the project organization include:
 - Project Proponent Major Works Project Management Office (MWPMO) of Highways Department (HyD)
 - Engineer (E) / Engineer's Representative (ER) Maunsell-Hyder Joint Venture
 - Environmental Team (ET) Cinotech Consultants Limited
 - Independent Environmental Checker (IEC) CH2M HILL Hong Kong Limited
 - Contractor Acciona Infraestructuras S.A.
 - Engineer's Representative for TCSS works Ove Arup & Partners Hong Hong Limited
 - Contractor for TCSS works Delcan-Imtech-Gtech Joint Venture
- 1.9 The responsibilities of respective parties are detailed in Section 1.8.3 of the EM&A Manual (1999) of the Project.
- 1.10 The key contacts of the Project are shown in **Table 1.1**.

Construction Programme

- 1.11 The site activities for civil works undertaken in the reporting month included:
 - Slope upgrading works for Feature No. 11NW-A/FR 54 & A/FR55;
 - Drainage works at Lai Po Road and Nob Hill (underneath LW Overpass);
 - Installation of top rail of parapet at main viaduct, slip roads C&D and Ching Cheung Road;
 - Erection of noise barrier and signage at slip roads A, B C, D and Main Viaduct;
 - Installation of E&M works in Irrigation Pump House;
 - RSSM and slope drains for slope CCR-S4;
 - RSSM for slope CCR-S1 and Batter 8;
 - Roadworks at main viaduct, slip roads C & D, Lai Po Road, Butterfly Valley Interchange, Butterfly Valley Road and Ching Cheung Road; and
 - Feature walls construction for landscape hardworks at Lai Po Road.
- 1.12 The site activities for TCSS works undertaken in the reporting month included:
 - Site Acceptance Tests (SAT) for TCSS equipment.

Party	Role	Name	Position	Phone No.	Fax No.	
		Mr. Kroc Leung	SE2/R8K	2762 3662		
HyD	Permit Holder	Mr. Esther Yung	E1/R8K	2762 3677	2714 5198	
		Mr. LC Chung	E2/R8K	2762 3613		
	Engineer	Mr. Conrad Ng	Project Manager	2605 6262	2691 2649	
MHJV	.	Mr. Peter Poon	CRE	2959 0010		
IVITIJ V	Engineer's Representative	Mr. Alan Chan	IOW	9860 8791	2959 0290	
	Representative	Mr. Alex Tam	RE	9856 0199		
		Dr. Priscilla Choy	ET Leader	2151 2089		
Cinotech	notech Environmental Team Mr. Robert Tsang Mr. Henry Leung	Mr. Robert Tsang	Audit Team Leader & Project Coordinator	2151 2092	3107 1388	
		Mr. Henry Leung	Monitoring Team Leader	2151 2087		
CH2M	Independent Environmental	Mr. Damien Ku	Independent Environmental Checker	2872 2921	1 2507 2293	
Сп2М	Checker	Mr. Simon Lam	Assistant Independent Environmental Checker	2872 2946	2307 2293	
Acciona	Contractor	Mr. William D. Payne	Project Director	2956 3300	2956 3331	
Acciolia	Contractor	Mr. Lawrence Kwok	QA/E Manager	2930 3300	2930 3331	
	RUP Engineer's RUP Representative (TCSS)	Mr. Donald Leung	RE	2436 7489	0426 1002	
ARUP		Mr. Daniel So	ARE	2436 7435	2436 1803	
DIGJV Contractor (TCSS) Ms. Joyce 0		Ms. Joyce Chan	Quality Manager	2123 0845	2123 0889	
24-hour Er	mergency Hotline	2370 9200	-			

 Table 1.1
 Key Project Contacts

Summary of EM&A Requirements

- 1.13 The EM&A programme requires construction phase monitoring for air quality and construction noise, and environmental site audit. The EM&A requirements for each parameter are described in the following sections, including:
 - All monitoring parameters;
 - Action and Limit levels for all environmental parameters;
 - Event Action Plans;
 - Environmental mitigation measures, as recommended in the project EIA study final report; and
 - Environmental requirements in contract documents.
- 1.14 The advice on the implementation status of environmental protection and pollution control/mitigation measures is summarized in Section 4 of this report.
- 1.15 This report presents the environmental monitoring results, observations, locations, equipment, period, methodology and QA/QC procedures of the required monitoring parameters, namely dust and noise levels and audit works for the Project in the reporting month.

2. AIR QUALITY

Monitoring Requirements

2.1 Monitoring of 1-hour and 24-hour TSP was conducted to monitor the air quality. **Appendix** A shows the established Action/Limit Levels for the environmental monitoring works.

Monitoring Locations

2.2 One designated monitoring station, AM2 was selected for impact dust monitoring for the Project. **Table 2.1** describes the air quality monitoring location, which is also depicted in **Figures 1**.

Table 2.1 Locations for Air Quality Monitoring

Monitoring Station	Description	Location	
AM2	Lai Chi Kok Park Sports Centre	Rooftop	

Monitoring Equipment

2.3 **Table 2.2** summarizes the equipment used for the air quality monitoring. Copies of calibration certificates are attached in **Appendix B**.

Table 2.2Air Quality Monitoring Equipment

Equipment	Model and Make	Quantity
Calibrator	GMW25; S/N: 1536	1
HVS Sampler	Graseby GMW Model GS2310 High Volume TSP Sampler and associated equipment and shelter	1

Monitoring Parameters, Frequency and Duration

2.4 **Table 2.3** summarizes the monitoring parameters and frequencies of impact dust monitoring for the whole construction period. The air quality monitoring schedule for the reporting period is shown in **Appendix C**.

Table 2.3 Impact Dust Monitoring Parameters, Frequency and Duration

Parameters	Frequency
1-hr TSP	Three times / 6 days
24-hr TSP	Once / 6 days

Monitoring Methodology and QA/QC Procedure

Instrumentation

2.5 Graseby GMW Model GS2310 TSP High Volume Sampler (HVS) was employed for 1-hour & 24-hour TSP monitoring. The sampler was composed of a motor, a filter holder, a flow controller and a sampling inlet and its performance specification complied with that required by USEPA Standard Title 40, Code of Federation Regulations Chapter 1 (Part 50). Moreover, the HVS also met all the requirements in Sections 2.2 to 2.4 of the EM&A Manual (1999).

Operating/Analytical Procedures

- 2.6 Operating/analytical procedures for the operation of HVS were as follows:
 - A horizontal platform was provided with appropriate support to secure the samplers against gusty wind.
 - No two samplers were placed less than 2 meters apart.
 - The distance between the sampler and an obstacle, such as buildings, was at least twice the height that the obstacle protrudes above the sampler.
 - A minimum of 2 meters of separation from walls, parapets and penthouses was required for rooftop samples.
 - A minimum of 2 meters separation from any supporting structure, measured horizontally was required.
 - No furnaces or incineration flues were nearby.
 - Airflow around the sampler was unrestricted.
 - The sampler was more than 20 meters from the drip line.
 - Any wire fence and gate, to protect the sampler, should not cause any obstruction during monitoring.
- 2.7 Prior to the commencement of the dust sampling, the flow rate of the high volume sampler was properly set (between $1.1 \text{ m}^3/\text{min.}$ and $1.4 \text{ m}^3/\text{min.}$) in accordance with the manufacturer's instruction to within the range recommended in USEPA Standard Title 40, CFR Part 50.
- 2.8 For TSP sampling, fiberglass filters (G810) were used.
- 2.9 The power supply was checked to ensure the sampler worked properly.
- 2.10 On sampling, the sampler was operated for 5 minutes to establish thermal equilibrium before placing any filter media at the designated air monitoring station.
- 2.11 The filter holding frame was then removed by loosening the four nuts and a weighted and conditioned filter was carefully centered with the stamped number upwards, on a supporting screen.
- 2.12 The filter was aligned on the screen so that the gasket formed an airtight seal on the outer edges of the filter. Then the filter holding frame was tightened to the filter holder with swing bolts. The applied pressure should be sufficient to avoid air leakage at the edges.

- 2.13 The shelter lid was closed and secured with the aluminum strip.
- 2.14 The timer was then programmed. Information was recorded on the record sheet, which included the starting time, the weather condition and the filter number (the initial weight of the filter paper can be found out by using the filter number).
- 2.15 After sampling, the filter was removed and sent to the laboratory for weighing. The elapsed time was also recorded.
- 2.16 Before weighing, all filters were equilibrated in a conditioning environment for 24 hours. The conditioning environment temperature should be between 25°C and 30°C and not vary by more than $\pm 3^{\circ}$ C; the relative humidity (RH) should be < 50% and not vary by more than $\pm 5\%$. A convenient working RH is 40%.

Maintenance/Calibration

- 2.17 The following maintenance/calibration was required for the HVS:
 - The high volume motors and their accessories were properly maintained. Appropriate maintenance such as routine motor brushes replacement and electrical wiring checking were made to ensure that the equipment and necessary power supply are in good working condition.
 - High volume samplers were calibrated at bi-monthly intervals using GMW-25 Calibration Kit throughout all stages of the air quality monitoring.

Results and Observations

- 2.18 All TSP monitoring was conducted as scheduled in this reporting month. No Action/Limit Level exceedance for both 1-hr and 24-hr TSP was recorded in the reporting month.
- 2.19 Wind data monitoring equipment has been installed in Shatin Heights for logging wind speed and wind direction. These wind data for the reporting month is summarized in **Appendix D**.
- 2.20 The monitoring data and graphical presentations of 1-hour and 24-hour TSP monitoring results are shown in **Appendices E** and **F**, respectively.

3. NOISE

Monitoring Requirements

- 3.1 Monitoring and audit of construction noise levels is required to be conducted, in accordance with the EM&A Manual, to ensure that any unacceptable noise impacts could be readily detected and timely and appropriate action be undertaken to rectify the situation.
- 3.2 The construction noise levels shall be measured in terms of the A-weighted equivalent continuous sound pressure level (Leq). Leq (30min) shall be used as the monitoring parameter for the time period between 0700-1900 hours on normal weekdays. For all other time periods, Leq (5min) shall be employed for comparison with the Noise Control Ordinance (NCO) criteria. As supplementary information for data auditing, statistical results such as L_{10} and L_{90} shall also be obtained for reference.
- 3.3 Five designated noise monitoring stations, namely NM2, NM4, NM8a, NM8b and NM9 were selected for impact monitoring. **Appendix A** shows the established Action and Limit Levels for the environmental monitoring works.

Monitoring Locations

3.4 Noise monitoring was conducted at five designated monitoring stations as summarized in **Table 3.1**. **Figures 1** show the locations of these stations.

Stations ⁽¹⁾	Description	Location	
NM2 Lai Chi Kok Correctional Institution		Rooftop	
NM4 Mei Foo Sun Chuen, Phase 5		Rooftop of Block 9	
NM8a Nob Hill		M/F of Car Park	
NM8b	Nob Hill	3/F of Car Park	
NM9 Hoi Lai Estate		G/F of Hoi Fai House	

Table 3.1Noise Monitoring Stations

(1) The Lai Chi Kok Hospital (NM3) was also found vacated and noise monitoring has been suspended since January 2005, as approved by EPD on 15th March 2005.

3.5 Stations NM8a and NM8b were installed at Nob Hill in May 2004. Station NM8b is located at 3/F of the car park of Nob Hill, which is strongly influenced by traffic noise from Ching Cheung Road. The measurement at this station is for reference purpose, but not for compliance check of construction noise. The measured noise level at Station NM8a, which is located at M/F of car park and closer to the construction site, acts as an indicator of the construction noise. Since the domestic premises are located above 5/F, noise assessment would be performed to assess the level of nuisance resulting from the construction noise at the domestic premises whenever the measured noise level at NM8a exceeds the noise limit level.

- 3.6 The noise monitoring at Lai Chi Kok Correctional Institution (NM2), which was formerly known as Lai Chi Kok Reception Centre, has been resumed since 8th September 2006 after the completion of the renovation works.
- 3.7 A new housing estate, Hoi Lai Estate, became one of the noise sensitive receivers close to the Project site. As recommended by the Regional (West) Office of EPD, noise monitoring at this location (Station NM9) was newly included in the EM&A programme. Approval for the change of EM&A programme was granted by EPD on 30th December 2004.

Monitoring Equipment

3.8 Table 3.2 summarizes the noise monitoring equipment model being used. Copies of calibration certificates are attached in Appendix B.

Table 3.2 **Noise Monitoring Equipment**

Equipment	Model and Make	Qty.
Integrating Sound Level Meter	B&K Model 2238	5
Calibrator	B&K 4231	2
Wind Speed Anemometer	RS232 Integral Vane Digital Anemometer	1

Monitoring Parameters, Frequency and Duration

3.9 Table 3.3 summarizes the monitoring parameters, frequency and total duration of monitoring. The noise monitoring schedule is shown in **Appendix C**.

Table 3.3 Noise Monitoring Parameters, Frequency and Duration

Stations	Parameter	Period	Frequency	Measurement
NM2	$ \begin{array}{c} L_{10}(30 \text{ min.})dB(A) \\ L_{90}(30 \text{ min.})dB(A) \\ L_{eq}(30 \text{ min.})dB(A) \end{array} \\ \end{array} $			Façade
NM4				Façade
NM8a		0700-1900 hrs. on weekdays	Once per week	Façade
NM8b		on weenaays	week	Façade
NM9				Façade

Monitoring Methodology and QA/QC Procedures

- The Sound Level Meter was generally set on a tripod at a height of 1.2 m above the • ground, depending to the actual monitoring condition.
- The battery condition was checked to ensure the correct functioning of the meter. •
- Parameters such as frequency weighting, the time weighting and the measurement time were set as follows:
 - frequency weighting : A ____ : Fast
 - time weighting
 - time measurement : 30 minutes / 5 minutes
- Prior to and after each noise measurement, the meter was calibrated using a Calibrator for

94.0 dB at 1000 Hz. If the difference in the calibration level before and after measurement was more than 1.0 dB, the measurement would be considered invalid and repeat of noise measurement would be required after re-calibration or repair of the equipment.

- The wind speed was frequently checked with the portable wind meter.
- At the end of the monitoring period, the L_{eq} , L_{90} and L_{10} were recorded. In addition, site conditions and noise sources were recorded on a standard record sheet.
- Noise measurement was paused during periods of high intrusive noise if possible and observation was recorded when intrusive noise was not avoided.
- Noise monitoring was cancelled in the presence of fog, rain, and wind with a steady speed exceeding 5 m/s, or wind with gusts exceeding 10 m/s.

Maintenance and Calibration

- 3.10 The microphone head of the sound level meter and calibrator was cleaned with soft cloth regularly.
- 3.11 The meters were sent to the supplier to check and calibrate on a yearly interval.

Results and Observations

- 3.12 Noise monitoring was performed at the five designated locations (NM2, NM4, NM8a, NM8b and NM9) as scheduled in the reporting month.
- 3.13 All the Construction Noise Levels (CNLs) reported in this report, except those collected at Stations NM8a, NM8b and NM9, were adjusted with the corresponding baseline level (i.e. Measured Leq Baseline Leq = Measured CNL), in order to facilitate the interpretation of the noise exceedance.
- 3.14 Noise monitoring results and graphical presentations are shown in **Appendix G**.
- 3.15 One Action Level exceedances was recorded due to noise complaints received on 29 February 2008. No noise Limit Level exceedance was recorded in the reporting month.
- 3.16 The complaint was referred by the Resident Site Staff (RSS) to the Environmental Team (ET) Leader of the Project on 29 February 2008 regarding the noise nuisance generated when vehicles passing over the movement joints at both bound of the Ching Cheung Road carriageway at night. According to RSS's record, the movement joints have been installed for about half year under the Project design and satisfactory procedures. There was no abnormal noise nuisance noticed at the concerned site during the site inspections carried out in February 2008 by ET auditors. The major noise source was identified to be traffic noise. The measured noise levels of the noise monitoring station (NM8a) which is near the concerned site area from January 2007 to February 2008 were mostly below the criterion for daytime construction noise of 75 dB(A) and no obvious increase of measured noise level was observed after the installation of the captioned movement joints. Based on the RSS's information, environmental monitoring results as well as the observations made during site inspections, this complaint is considered to be invalid and not due to the construction activities of the Project.

- 3.17 At Stations NM8a and NM8b, the major noise source identified during the monitoring exercises was mainly the road traffic noise.
- 3.18 At Stations NM2, NM4 and NM9, construction noise from the Project and occasionally the traffic noise were identified as the major noise source during monitoring.

4. ENVIRONMENTAL AUDIT

Site Audits

- 4.1 Site audits were carried out by ET on weekly basis to monitor the timely implementation of proper environmental management practices and mitigation measures in the Project site. The summaries of site audits are attached in **Appendix I**.
- 4.2 Site audits for Civil contract were conducted on 4th, 13th, 20th and 27th February 2008. A joint site audit for Civil works was conducted on 13th February 2008 with representatives from IEC, ER, the Contractor and ET while the joint site audit for TCSS works was also conducted on 13th February 2008 with the representatives from IEC, ER, the Contractor and ET. No environmental deficiency was recorded for TCSS contract during site inspections.

Review of Environmental Monitoring Procedures

4.3 The monitoring works conducted by the monitoring team were inspected regularly. The following observations have been recorded for the monitoring works:

Air Quality Monitoring

- The monitoring team recorded all observations around the monitoring stations within and outside the construction site.
- The monitoring team recorded the temperature and weather conditions on the monitoring days.

Noise Monitoring

- The monitoring team recorded all observations around the monitoring stations, which might affect the monitoring result.
- Major noise sources were identified and recorded. Other intrusive noise attributing to the result was trimmed off by pausing the monitoring temporarily.

Status of Environmental Licensing and Permitting

4.4 All valid permits/licenses obtained for the Project are summarized in **Table 4.1**. Two new CNPs were issued to the Project in the reporting month.

Implementation Status of Environmental Mitigation Measures

4.5 According to the Environmental Permit and the EM&A Manuals, the mitigation measures detailed in the documents are required to be implemented. An updated summary of the EMIS is provided in **Appendix K**.

Table 4.1Summary of Environmental Licensing and Permit Status

Downit No	Valid	Period	Dotoila	Status
Permit No.	From	То	Details	Status
Environmental Per	mit (EP)		·	
EP-103/2001/C	22/7/05	N/A	 <u>Construction and operation of</u> (a) All civil works (including highways, traffic, geotechnical, drainage, structural, architectural and landscaping works) for the Lai Chi Kok Viaduct, the interchange with Ching Cheung Road, the main road within Butterfly Valley and the Eagle's Nest Tunnel; (b) All E&M works (including ventilation, Traffic Control & Surveillance System (TCSS), toll collection system and lighting) for the whole Route 9 between Cheung Sha Wan and Sha Tin; (c) The permanent slope works above the northern portal of the Eagle's Nest Tunnel; (d) The architectural works (including fitting out and furnishings) of the portal buildings of the Sha Tin Heights Tunnel. 	Valid
Registration of Cho	emical Wast	e Producer		
WPN 5213-261- N2413-04	17/11/03	N/A	N/A	Valid
Water Discharge L	isence			
EP482/260/251/1	05/12/03	31/12/08	Discharge of industrial trade effluent arising from the construction site at Route 9 – Lai Po Road Section of Lai Chi Kok Viaduct (Contract HY/2003/01).	Valid
EP482/260/251/2	15/12/03	31/12/08	Discharge of industrial trade effluent arising from the construction site at Route 9 – Lai Chi Kok Viaduct excluding Lai Po Road Section.	Valid
Construction Noise	Permit (CN	(P)		
GW-RW0419-07	23/08/07	20/02/08	<i>Location:</i> Ching Cheung Road near Castle Peak Road, Kowloon <i>Time Period:</i> 0000-0600(any day not being a general holiday or not immediately following a general holiday including Sundays).	Expired
GW-RW0465-07	22/09/07	21/02/08	<i>Location:</i> Butterfly Valley Road, Lai Chi Kok, Kowloon <i>Time Period:</i> 1900-2300 (any day not being a general holiday) and 0700-2300 (General holidays including Sundays).	Expired
GW-RW0477-07	28/09/07	27/03/08	<i>Location:</i> Butterfly Valley, Lai Chi Kok, Kowloon <i>Time Period:</i> 0700-2300 (general holidays including Sundays) and 1900-2300(any day not being a general holiday).	Valid
GW-RW0478-07	30/09/07	29/03/08	<i>Location:</i> Junction of Ching Cheung Road and Castle Peak Road <i>Time Period:</i> 0700-2300 (general holidays including Sundays) and 1900-2300(any day not being a general holiday).	Valid

Downit No.	Valid	Period	Dotoila	Status
Permit No.	From	То	Details	Status
GW-RW0656-07	29/12/07	28/06/08	<i>Location:</i> Ching Cheung Road Section between Ching Lai Court and Castle Peak Road, Lai Chi Kok, Kowloon <i>Time Period:</i> 0700-2100 (general holidays including Sundays) and 1900-2300(any day not being a general holiday).	Valid
GW-RW0657-07	13/12/07	11/06/08	<i>Location:</i> Butterfly Valley Road Near Lai Chi Kok Reception Center, Kowloon. <i>Time Period:</i> 2300-2400 (general holidays including Sundays) and 0000-0700 and 2300-2400 (any day not being a general holiday).	Valid
GW-RW0658-07	12/12/07	11/06/08	<i>Location:</i> Lai Po Road near Sewage Pumping Station, Kowloon. <i>Time Period: 2300-2400</i> (general holidays including Sundays) and 0000-0700 and 2300-2400 (any day not being a general holiday).	Valid
GW-RW0668-07	20/12/07	14/06/08	<i>Location:</i> Yuet Lun Street to Cheung Sha Wan Road, Kowloon. <i>Time Period: 2300-2400</i> (general holidays including Sundays) and 0000-0700 and 2300-2400 (any day not being a general holiday).	Valid
GW-RW0669-07	21/12/07	18/06/08	<i>Location:</i> Ching Cheung Road near Mei Foo Sun Chuen, Lai Chi Kok, Kowloon. <i>Time Period: 00</i> 00-0700 and 2300-2400 (any day not being a general holiday).	Valid
GW-RW0723-07	21/01/08	10/07/08	<i>Location:</i> Ching Cheung Road near Butterfly Valley Road, Lai Chi Kok, Kowloon. <i>Time Period:</i> 0000-0700 and 2300-2400 (any day not being a general holiday).	Valid
GW-RW0027-08	27/01/08	24/02/08	<i>Location:</i> Ching Cheung Road near Ching Lai Commercial Centre, Kowloon . <i>Time Period:</i> 0900-1900 (general holidays including Sundays).	Expired
GW-RW0041-08	06/02/08	05/08/08	<i>Location:</i> Lai Po Road near Hoi Lai Estate, Kowloon. <i>Time Period:</i> 00:00 - 24:00 (on general holidays including Sundays) and 00:00 - 07:00 & 19:00 - 24:00 (any day not being a general holiday)	Valid
GW-RW0077-08	22/02/08	21/08/08	<i>Location:</i> Butterfly Valley Road, Lai Chi Kok, Kowloon <i>Time Period:</i> 00:00 - 24:00 (on general holidays including Sundays) and 00:00 - 07:00 & 19:00 - 24:00 (any day not being a general holiday)	Valid

4.6 During site inspections in the reporting month, no non-conformance was identified. The observations and recommendations are summarized in **Table 4.2 and Table 4.3**.

Parameters	Date	Observations and Recommendations	Follow-up
Water Quality	27-Feb-08	Ponding water was still observed at the blocked U-channel at R2. The Contractor was advised to dry it out.	This item will be followed up on next audit session.
Water Quality	20-Feb-08	General refuse was observed blocking the U- channel at R2. The Contractor was advised to clear it.	This item will be followed up on next audit session.
	4-Feb-08	Oil leakage from an air compressor was observed at Nob Hill. The Contractor was advised to treat the contaminated surface.	The situation was found improved / rectified during the audit on 13 February 2008.
Waste/	4-Feb-08	General refuse was found at Mui Kong Tsuen. The Contractor was advised to clean them out	The situation was found improved / rectified during the audit on 13 February 2008.
Chemical Management	20-Feb-08	General refuse was observed blocking the U- channel at R2. The Contractor was advised to clear it.	This item will be followed up on next audit session.
	27-Feb-08	General refuse was observed accumulated at R2. The Contractor was reminded to clear it regularly.	This item will be followed up on next audit session.

Table 4.2Observations and Recommendations of Site Audits for Civil Works

Table 4.3 Observations and Recommendations of Site Audits for TCSS

Parameters	Date	Observations and Recommendations	Follow-up
-	-	-	-

4.7 The observations and recommendations arising from pervious month and followed up in the reporting month are summarized in **Table 4.4 and Table 4.5**.

Table 4.4 Observations and Recommendations of Site Audits Followed up for Pervious Month for Civil Works

Parameters	Date	Observations and Recommendations	Follow-up
Water Quality	30-Jan-08	Observation The discharge from rock dowel was observed overflow into the geo-textile installed in the manhole at Nob Hill. The Contractor was advised to pre-treated the discharge properly (e.g. further desilt it with the sandbags/ an additional geo-textile filter) before discharging into the manhole.	The situation was found improved / rectified during the audit on 4 February 2008.

Table 4.5Observations and Recommendations of Site Audits Followed up for Pervious
Month for TCSS

Parameters	Date	Observations and Recommendations	Follow-up
-	-	-	_

Summary of Exceedance

1-hr and 24-hr TSP Monitoring

4.8 No Action/Limit Level exceedance was recorded in the reporting month.

Construction Noise Monitoring

4.9 One Action Level exceedance was recorded. No noise Limit Level exceedance was recorded in the reporting month.

Implementation Status of Event Action Plans

4.10 The Event Action Plans for air quality and construction noise are presented in **Appendix J**.

Summary of Complaint and Prosecution

- 4.11 One public complaint was received in the reporting month.
- 4.12 One complaint was referred by the Resident Site Staff (RSS) to the Environmental Team (ET) Leader of the Project on 29 February 2008 regarding the noise nuisance generated when vehicles passing over the movement joints at both bound of the Ching Cheung Road carriageway at night. According to RSS's record, the movement joints have been installed for about half year under the Project design and satisfactory procedures. There was no abnormal noise nuisance noticed at the concerned site during the site inspections carried out in February 2008 by ET auditors. The major noise source was identified to be traffic noise. The measured noise levels of the noise monitoring station (NM8a) which is near the concerned site area from January 2007 to February 2008 were mostly below the criterion for daytime construction noise of 75 dB(A) and no obvious increase of measured noise level was observed after the installation of the captioned movement joints. Based on the RSS's information, environmental monitoring results as well as the observations made during site inspections, this complaint is considered to be invalid and not due to the construction activities of the Project.
- 4.13 There were 44 environmental complaints referred to the ET and 1 prosecution received since the commencement of the Project. The Complaint Log is attached in **Appendix M**.

5. FUTURE KEY ISSUES

Key Issues for the Coming Month

- 5.1 Key issues to be considered in the coming month include:
 - Construction noise from drainage works at Lai Po Road and Nob Hill (underneath LW Overpass);
 - Dust generation from road works, retaining wall construction, slope upgrading works or any other dusty materials.

Monitoring Schedule for the Next Month

5.2 The tentative monitoring schedule for the next month is shown in **Appendix C**.

Construction Program for the Next Month

- 5.3 The major construction activities for civil works in the coming month include:
 - Landscaping works at retaining wall at LCK-R1,R2 & R3;
 - Slope upgrading works for Feature No. 11NW-A/FR 54 & A/FR55;
 - Drainage works and landscaping works at Lai Po Road and Nob Hill (underneath LW Overpass);
 - Planting at Slope CCR-S1, S2, Butterfly Valley Interchange;
 - Installation of E&M works in Irrigation Pump House;
 - Hydromulching to Slope CCR-S4 and slope CCR-S1, Batter 8;
 - Road works at Lai Po Road, Butterfly Valley Interchange, Butterfly Valley Road; and
 - Feature walls construction for landscape hardworks at Lai Po Road.
- 5.4 The tentative construction program for civil works is provided in **Appendix L**.
- 5.5 The major activities for TCSS works in the coming month include:
 - SAT for TCSS equipment.

6. CONCLUSIONS AND RECOMMENDATIONS

Conclusions

- 6.1 Environmental monitoring works were conducted in the reporting month and all monitoring results were checked and reviewed.
- 6.2 No Action/Limit Level exceedance for both 1-hour TSP and 24-hours TSP was recorded in the reporting month.
- 6.3 One Action Level exceedances was recorded due to noise complaint received on 29 February 2008. No noise Limit Level exceedance was recorded in the reporting monthly.
- 6.4 One public complaints were received in the reporting month.
- 6.5 No prosecution was received in the reporting month.

Recommendations

6.6 According to the environmental audit performed in the reporting month, the following recommendations were made:

Water Impact

- To ensure properly maintenance for de-silting facilities
- To review the capacity of de-silting facilities for discharge.
- To avoid stagnant water accumulation on site.

Noise Impact

- To provide temporary noise barriers for noisy activities, such as slope upgrading works for Feature No. 11NW-A/FR 54 & A/FR55
- To review the works sequence of site activities so as to reduce the number of noisy equipment in concurrent operation.
- To employ quiet powered mechanical equipment if possible.
- To ensure compliance of CNP conditions during restricted-hour works.

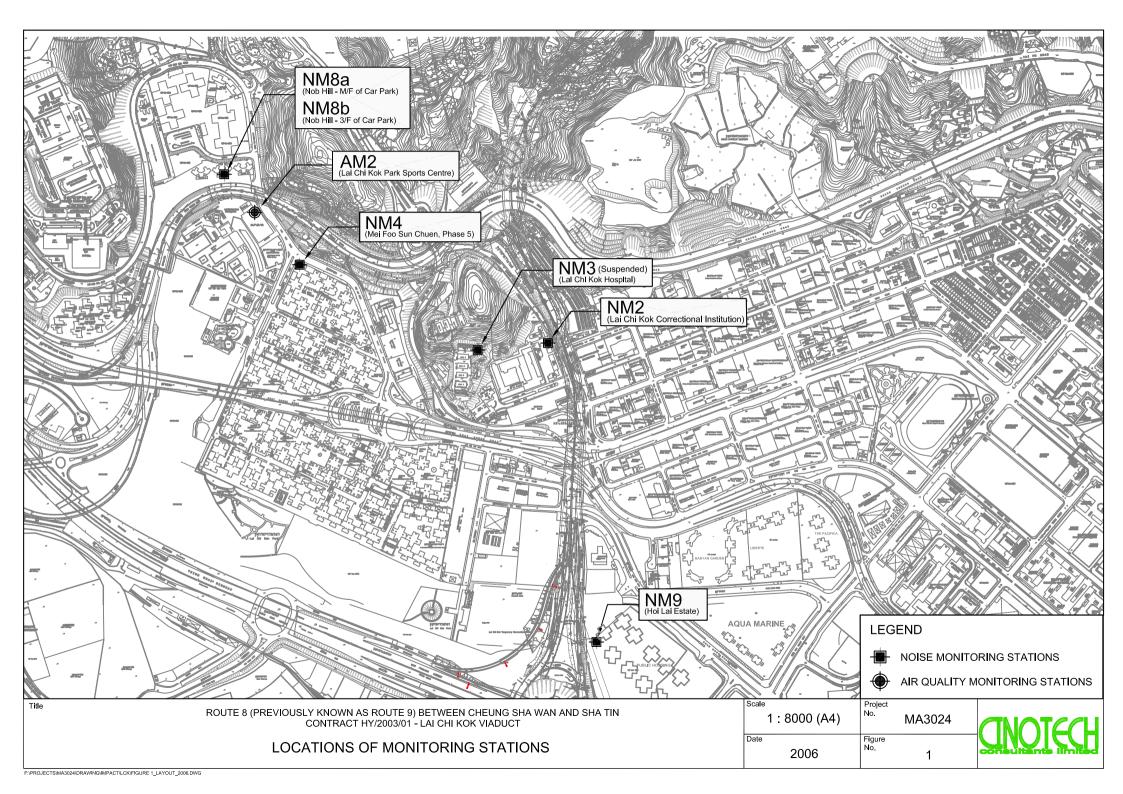
Dust Impact

- To ensure water spray is applied for the dust emissive works, such as slope upgrading, loading and unloading of soil materials.
- To cover soil stockpiles and exposed slope surface by impervious sheets or other means.
- To ensure that all vehicles carrying dusty material are properly covered before leaving the site.

Waste / Chemical Management

- To ensure the performance of sorting of C&D materials at source (during generation);
- To carry out inspection of dump truck at site exit to ensure inert and non-inert C&D materials are properly segregated before removing off site.
- To ensure proper collection and disposal of rubbish generated on site.
- To avoid any discharge or accidental spillage of chemical waste directly from the site.

FIGURES



APPENDIX A ACTION AND LIMIT LEVELS

Appendix A - Action and Limit Levels (LCKV)

1-Hour TSP

Location	Action Level, µg/m ³	Limit Level, µg/m ³
AM2	301	500

24-Hour TSP

Location	Action Level, µg/m ³	Limit Level, µg/m ³
AM2	177	260

Construction Noise

Period	Action Level	Limit Level
0700-1900 hrs on normal weekdays		75 dB(A)
0700-2300 hrs on holidays & 1900-2300 hrs on all other days	When one documented complaint is received	70* dB(A)
2300-0700 hrs of next day		55* dB(A)

(*) The Area Sensitivity Rating for the noise monitoring stations (NM4, NM8a, NM8b and NM9) is taken as C, according to Table 1 of EPD's Technical Memorandum on Noise from Construction Work other than Percussive Piling.

APPENDIX B COPIES OF CALIBRATION CERTIFCATES

High-Volume TSP Sampler 5-POINT CALIBRATION DATA SHEET



 Station
 Lai Chi Kok Sport Centre (AM2)
 Operator:
 WK

 Date:
 10-Jan-08
 Next Due Date:
 9-Mar-08

 Equipment No.:
 A-01-20
 Serial No.
 0818

M		Ambient Condition	
Temperature, Ta (K)	293.3	Pressure, Pa (mmHg)	764.7

	Or	ifice Transfer Sta	andard Informat	ion	
Equipment No .:	A-04-05	Slope, mc	0.0575	Intercept, bc	0.0395
Last Calibration Date:	12-Mar-07		mc x Qstd + bc	= [ΔH x (Pa/760) x (298/T	a)] ^{1/2}
Next Calibration Date:	11-Mar-08		Qstd = { $[\Delta H x ($	Pa/760) x (298/Ta)] ^{1/2} -bc}	/ mc

100 C 100		Calibration of	f TSP Sampler		
Calibration		Orfice			HVS
Point	ΔH (orifice), in. of water	[ΔH x (Pa/760) x (298/Ta)] ^{1/2}	Qstd (CFM) X - axis	ΔW (HVS), in. of oil	$[\Delta W \ge (Pa/760) \ge (298/Ta)]^{1/2}$ axis
1	11.2	3.38	58.16	8.6	2.97
2	10.1	3.21	55.20	7.0	2.68
3	7.4	2.75	47.15	5.0	2.26
4	5.3	2.33	39.79	3.2	1.81
5	3.0	1.75	29.77	1.7	1.32
Correlation co	10.00	0.9969	-		
	10.00), check and recalibrate.	- 		
	10.00		- Calculation		
*If Correlation C	Coefficient < 0.990), check and recalibrate.	- Calculation	-	
If Correlation C	Coefficient < 0.990), check and recalibrate. Set Point C	Calculation		n an
If Correlation C	Coefficient < 0.990), check and recalibrate. Set Point C rve, take Qstd = 43 CFM "Y" value according to		98/Ta)1 ^{1/2}	
Tf Correlation C	Coefficient < 0.990), check and recalibrate. Set Point C Irve, take Qstd = 43 CFM		98/Ta)] ^{1/2}	
From the TSP Fig	Coefficient < 0.990 eld Calibration Cu sion Equation, the), check and recalibrate. Set Point C rve, take Qstd = 43 CFM "Y" value according to	x (Pa/760) x (2	98/Ta)] ^{1/2} 4.05	

Remarks:				
Conducted by: Checked by:	Signature: Signature:	Kinin	Date: Date:	10 Jan 2005_ 10 January 2008

WELLAB LTD.

Unit C, 1/F, Goldlion Holdings Center 13-15 Yuen Shun Circuit, Shatin, Hong Kong. Tel: (852) 2898 7388 Fax: (852) 2898 7076

TEST REPORT

Cinotech Consultants Limited APPLICANT: 1602-1610 Delta House, 3 On Yiu Street, Shatin, N.T.

Test Report No .:	C/07/70502	
Date of Issue:	2007-05-02	
Date Received:	2007-05-01	
Date Tested:	2007-05-01	
Date Completed:	2007-05-02	
Page:	1 of 1	

Mr. Henry Leung ATTN:

Certificate of Calibration

Item for calibration:

for callor ation.	
Description	: RS232 Integral Vane Digital Anemometer
Manufacturer	: AZ Instrument
Model No.	: 451104
Serial No.	: 9020746
Equipment No.	: A-03-01
conditions:	

Test

: 21 degree Celsius Room Temperature : 65% Relative Humidity : 101.3 kPa Pressure

Methodology:

The anemometer has been calibrated in accordance with the documented procedures and using standard(s) and instrument(s) which are recommended by the manufacturer, or equivalent.

Results:

Г	Reference Set Point	Instrument Readings
Measuring Air Velocity, m/s	2.00	2.00
Temperature, °C	21.0	21.0
Temperature, C		

PREPARED AND CHECKED BY: For and On Behalf of WELLAB Ltd.

PATRICK TSE Senior Chemist

ISCH

TISCH ENVIROMENTAL, INC. 145 SOUTH MIAMI AVE. VILLAGE OF CLEVES, OH 45002 513.467.9000 877.263.7610 TOLL FREE 513.467.9009 FAX WWW.TISCH-ENV.COM

AIR POLLUTION MONITORING EQUIPMENT

ORIFICE TRANSFER STANDARD CERTIFICATION WORKSHEET TE-5025A

Date - M. Operator		7 Rootsmeter Orifice I.I		833640 0999	Ta (K) - Pa (mm) -	294 - 746, 76
PLATE OR Run # 1 2 3 4 5	VOLUME START (m3) NA NA NA NA NA NA	VOLUME STOP (m3) NA NA NA NA NA NA	DIFF VOLUME (m3) 1.00 1.00 1.00 1.00 1.00	DIFF TIME (min) 1.3890 0.9850 0.8810 0.8810 0.8410 0.6950	METER DIFF Hg (mm) 3.2 6.3 7.8 8.6 12.5	ORFICE DIFF H2O (in.) 2.00 4.00 5.00 5.50 8.00

DATA TABULATION

Vstd	(x axis) Qstd	(y axis)		Va	(x axis) Qa	(y axis)
0.9917 0.9876 0.9854 0.9844 0.9792	0.7139 1.0026 1.1185 1.1706 1.4090	1.4113 1.9959 2.2315 2.3405 2.8227		0.9957 0.9916 0.9894 0.9884 0.9832	0.7168 1.0067 1.1231 1.1753 1.4147	0.8874 1.2549 1.4030 1.4715 1.7747
Qstd slop intercep coefficie y axis =	t (b) = ent (r) =	2.03154 -0.03970 0.99999 Pa/760)(298/1	 [Qa slope intercept coefficie v axis =	t (b) =	1.27212 -0.02496 0.99999

CALCULATIONS

Vstd = Diff. Vol[(Pa-Diff. Hg)/760](298/Ta)
Qstd = Vstd/Time

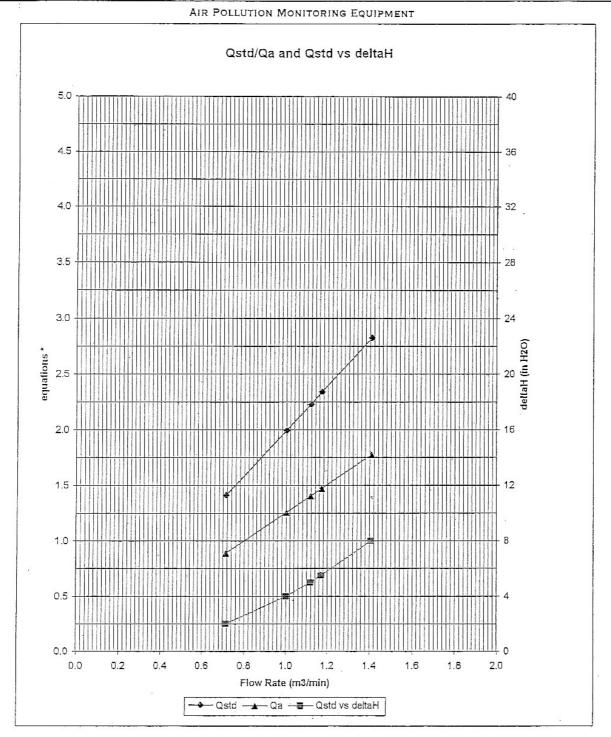
Va = Diff Vol [(Pa-Diff Hg)/Pa] Qa = Va/Time

For subsequent flow rate calculations:

Qstd = $1/m\{ [SQRT(H2O(Pa/760)(298/Ta))] - b \}$ Qa = $1/m\{ [SQRT(H2O(Ta/Pa)] - b \}$



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* y-axis equations: Qstd series:

$$\sqrt{\Delta H \left(\frac{Pa}{Pstd}\right) \left(\frac{Tstd}{Ta}\right)}$$
$$\sqrt{\left(\Delta H \left(Ta / Pa\right)\right)}$$

Qa series:



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TEST REPORT

APPLICANT:	Cinotech Consultants Limited	Test Report No .:	C/N/71213/1
	Room 1710, Technology Park,	Date of Issue:	2007-12-14
	18 On Lai Street,	Date Received:	2007-12-13
	Shatin, NT, Hong Kong	Date Tested:	2007-12-14
		Date Completed:	2007-12-14
		Next Due Date:	2008-12-13

ATTN:

Mr. Henry Leung

1 of 1

Certificate of Calibration

Item for calibration:

Description Manufacturer Model No. Serial No. Microphone No. Equipment No. : Integrating Sound Level Meter : Brüel & Kjær : B&K 2238 : 2337665 : 2289749 : N-01-01

Page:

Test conditions:

Room Temperatre Relative Humidity : 20 degree Celsius : 60%

Test Specifications:

Performance checking at 94 and 114 dB

Methodology:

In-house method, according to manufacturer instruction manual

Results:

Reference Set Point, dB	Instrument Readings, dB
94	94.0
114	114.0

PREPARED AND CHECKED BY: For and On Behalf of WELLAB Ltd.

PATRICK TSE Senior Chemist

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TEST REPORT

APPLICANT:	Cinotech Consultants Limited	Test Report No .:	C/N/71116/1
	Room 1710, Technology Park,	Date of Issue:	2007-11-16
	18 On Lai Street,	Date Received:	2007-11-15
	Shatin, NT, Hong Kong	Date Tested:	2007-11-15
		Date Completed:	2007-11-16

ATTN: Mr. Henry Leung

Page:

Next Due Date:

1 of 1

2008-11-15

Certificate of Calibration

Item for calibration:

Description Manufacturer Model No. Serial No. Microphone No. Equipment No. : Integrating Sound Level Meter : Brüel & Kjær : B&K 2238 : 2337666 : 2289750 : N-01-02

Test conditions:

Room Temperatre Relative Humidity : 20 degree Celsius : 59%

Test Specifications:

Performance checking at 94 and 114 dB

Methodology:

In-house method, according to manufacturer instruction manual

Results:

Reference Set Point, dB	Instrument Readings, dB
94	94.0
114	114.0

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TEST REPORT

APPLICANT:	Cinotech Consultants Limited	Test Report No .:	C/N/70903-1
	1601-1610 Delta House,	Date of Issue:	2007-09-03
	3 On Yiu Street,	Date Received:	2007-09-01
	Shatin, N.T.	Date Tested:	2007-09-03
		Date Completed:	2007-09-03
		Next Due Date:	2008-09-02

ATTN:

Mr. Henry Leung

1 of 1

Certificate of Calibration

Item for calibration:

Description Manufacturer Model No. Serial No. Microphone No. Equipment No. : Integrating Sound Level Meter : Brüel & Kjær : B&K 2238 : 2359311 : 2346382 : N-01-03

Page:

Test conditions:

Room Temperatre Relative Humidity : 22 degree Celsius : 62%

Test Specifications:

Performance checking at 94 and 114 dB

Methodology:

In-house method, according to manufacturer instruction manual

Results:

Reference Set Point, dB	Instrument Readings, dB
94	94.0
114	114.0

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TEST REPORT

APPLICANT:	Cinotech Consultants Limited	Test Report No .:	C/N/70903-2
	1602-1610 Delta House,	Date of Issue:	2007-09-03
	3 On Yiu Street,	Date Received:	2007-09-01
	Shatin, N.T.	Date Tested:	2007-09-03
		Date Completed:	2007-09-03
		Next Due Date:	2008-09-02

ATTN:

Mr. Henry Leung

1 of 1

Certificate of Calibration

Item for calibration:

Description Manufacturer Model No. Serial No. Equipment No. : Integrating Sound Level Meter : Brüel & Kjær : B&K 2238 : 2359303 : N-01-04

Page:

Test conditions:

Room Temperatre Relative Humidity : 22 degree Celsius : 62%

Test Specifications:

Performance checking at 94 and 114 dB

Methodology:

In-house method, according to manufacturer instruction manual

Results:

Reference Set Point, dB	Instrument Readings, dB	
94	94.0	
114	114.0	

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TEST REPORT

APPLICANT:	Cinotech Consultants Limited	Test Report No .:	C/N/71015/1
	Room 1710, Technology Park,	Date of Issue:	2007-10-15
	18 On Lai Street,	Date Received:	2007-10-13
	Shatin, NT, Hong Kong	Date Tested:	2007-10-13
		Date Completed:	2007-10-15
		Next Due Date:	2008-10-14

ATTN:

Mr. Henry Leung

.

1 of 1

Certificate of Calibration

Item for calibration:

Description Manufacturer Model No. Serial No. Microphone No. Equipment No. : Integrating Sound Level Meter : Brüel & Kjær : B&K 2238 : 2394976 : 2407349 : N-01-05

Page:

Test conditions:

Room Temperatre Relative Humidity : 21 degree Celsius : 60%

Test Specifications:

Performance checking at 94 and 114 dB

Methodology:

In-house method, according to manufacturer instruction manual

Results:

Reference Set Point, dB	Instrument Readings, dB
94	94.0
114	114.0

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PATRICK TSE Senior Chemist



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TEST REPORT

APPLICANT:	Cinotech Consultants Limited	Test Report No .:	C/N/71116/2
	Room 1710, Technology Park,	Date of Issue:	2007-11-16
	18 On Lai Street,	Date Received:	2007-11-15
	Shatin, NT, Hong Kong	Date Tested:	2007-11-15
		Date Completed:	2007-11-16
		Next Due Date:	2008-11-15

Page:

ATTN: Mr. Henry Leung

Item for calibration:

Description : Acoustical Cal		
Manufacturer	: Brüel & Kjær	
Model No.	: 4231	
Serial No.	: 2326353	
Project No.	: C13	
Equipment No.	: N-02-01	

Test conditions:

Room Temperatre	: 20 degree Celsius
Relative Humidity	: 59%
Pressure	: 1015.2 hPa

Methodology:

The sound calibrator has been calibrated in accordance with the documented procedures and using standard(s) and instrument(s) which are recommended by the manufacturer, or equivalent.

Results:

Sound Pressure Level	Measured SPL	Tolerance
At 94 dB SPL	94.0	94.0 ± 0.1 dB

PREPARED AND CHECKED BY: For and On Behalf of WELLAB Ltd.

PATRICK TSE Senior Chemist

WELLAB LTD.

Unit C, 1/F, Goldlion Holdings Center 13-15 Yuen Shun Circuit, Shatin, Hong Kong. Tel: (852) 2898 7388 Fax: (852) 2898 7076

TEST REPORT

APPLICANT:	Cinotech Consultants Limited 1602-1610 Delta House,	Test Report No.: Date of Issue:	C/06/70305 2007-03-05
	3 On Yiu Street,	Date Received:	2007-03-03
	Shatin, N.T.	Date Tested:	2007-03-03
		Date Completed:	2007-03-05
		Next Due Date:	2008-03-04
ATTN:	Mr. Henry Leung	Page:	1 of 1

Item for calibration:

	Description Manufacturer Model No. Serial No. Project No. Equipment No.	: Acoustical Calibrator : Brüel & Kjær : 4231 : 2343007 : C13 : N-02-02
Test condition		: 20 degree Celsius : 65% : 1020.1hPa

Methodology:

The sound calibrator has been calibrated in accordance with the documented procedures and using standard(s) and instrument(s) which are recommended by the manufacturer, or equivalent.

Results:

Sound Pressure Level	Measured SPL	Tolerance
At 94 dB SPL	94.0	94.0 ± 0.2 dB

PREPARED AND CHECKED BY: For and On Behalf of WELLAB Ltd.

Patrick.

PATRICK TSE Operation Manager



Unit C, 1/F., Goldlion Holdings Center, 13-15 Yuen Shun Circuit, Shatin, NT, HK. Tel: 2898 7388 Fax: 2898 7076 Website: www.wellab.com.hk

TEST REPORT

APPLICANT:	Cinotech Consultants I 1602-1610 Delta House		C/N/70903-3 2007-09-03
	3 On Yiu Street,	Date Received:	2007-09-01
	Shatin, N.T.	Date Tested:	2007-09-03
		Date Completed:	2007-09-03
		Next Due Date:	2008-09-02
ATTN:	Mr. Henry Leung	Page:	1 of 1
Item for calibra	ition:		
Ι	Description	: Acoustical Calibrator	
N	Manufacturer	: Brüel & Kjær	
Ν	Model No.	: 4231	
5	Serial No.	: 2412367	
I	Equipment No.	: N-02-03	
m			

Test conditions:

Room Temperatre Relative Humidity : 22 degree Celsius : 62%

Methodology:

The Sound Level Calibrator has been calibrated in accordance with the documented procedures and using standard(s) and instrument(s) which are recommended by the manufacturer, or equivalent.

Results:

Sound Pressure Level (1kHz)	Measured SPL	Tolerance
At 94 dB SPL	94.0	94.0 ± 0.1 dB
At 114 dB SPL	114.0	$114.0 \pm 0.1 \text{ dB}$

PREPARED AND CHECKED BY: For and On Behalf of WELLAB Ltd.

PATRICK TSE Senior Chemist

APPENDIX C ENVIRONMENTAL MONITORING AND AUDIT SCHEDULE

Environmental Monitoring for Lai Chi Kok Viaduct Tentative Air Quality and Noise Monitoring Schedule for February 2008

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
27-Jan	28-Jan	29-Jan	30-Jan	31-Jan	1-Feb	2-Feb
		1 hr TSP Noise 24 hr TSP	1 hr TSP	1 hr TSP		
3-Feb	4-Feb	5-Feb	6-Feb	7-Feb	8-Feb	9-Feb
	1 hr TSP Noise 24 hr TSP	1 hr TSP	1 hr TSP			
10-Feb	11-Feb	12-Feb	13-Feb	14-Feb	15-Feb	16-Feb
		1 hr TSP Noise 24 hr TSP	1 hr TSP	1 hr TSP		
17-Feb	18-Feb	19-Feb	20-Feb	21-Feb	22-Feb	23-Feb
	24 hr TSP	1 hr TSP	1 hr TSP	1 hr TSP Noise		24 hr TSP
24-Feb	25-Feb	26-Feb	27-Feb	28-Feb	29-Feb	1-Mar
	1 hr TSP	1 hr TSP Noise		1 hr TSP	24 hr TSP	

The schedule may be changed due to unforeseen circumstances (adverse weather, etc)

- AM2 Lai Chi Kok Sports Centre
- NM2 Lai Chi Kok Correctional Institution
- NM4 Mei Foo Sun Chuen, Phase 5
- NM8a M/F of Nob Hill
- NM8b 3/F of Nob Hill
- NM9 G/F, Hoi Fai House, Hoi Lai Estate

Environmental Monitoring for Lai Chi Kok Viaduct Tentative Air Quality and Noise Monitoring Schedule for March 2008

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
2-Mar	3-Mar	4-Mar	5-Mar	6-Mar	7-Mar	8-Mar
		1 hr TSP Noise		1 hr TSP 24 hr TSP	1 hr TSP	
9-Mar	10-Mar	11-Mar	12-Mar	13-Mar	14-Mar	15-Mar
		1 hr TSP Noise	1 hr TSP 24 hr TSP	1 hr TSP		
16-Mar	17-Mar	18-Mar	19-Mar	20-Mar	21-Mar	22-Mar
	1 hr TSP	1 hr TSP Noise 24 hr TSP	1 hr TSP			
23-Mar	24-Mar	25-Mar	26-Mar	27-Mar	28-Mar	29-Mar
	24 hr TSP	1 hr TSP		1 hr TSP Noise	1 hr TSP	24 hr TSP
30-Mar	31-Mar	1-Apr	2-Apr	3-Apr	4-Apr	5-Apr
	1 hr TSP					

The schedule may be changed due to unforeseen circumstances (adverse weather, etc)

- AM2 Lai Chi Kok Sports Centre
- NM2 Lai Chi Kok Correctional Institution
- NM4 Mei Foo Sun Chuen, Phase 5
- NM8a M/F of Nob Hill
- NM8b 3/F of Nob Hill
- NM9 G/F, Hoi Fai House, Hoi Lai Estate

APPENDIX D WIND DATA

Date	Time	Wind Speed m/s	Direction
1-Feb-2008	00:00	1.6	WSW
1-Feb-2008	01:00	1.6	W
1-Feb-2008	02:00	2.1	WSW
1-Feb-2008	03:00	2.4	WSW
1-Feb-2008	04:00	2.5	WSW
1-Feb-2008	05:00	2.1	W
1-Feb-2008	06:00	2.6	W
1-Feb-2008	07:00	2.4	SW
1-Feb-2008	08:00	1.5	SSW
1-Feb-2008	09:00	1.9	
	10:00	1.8	W
1-Feb-2008			
1-Feb-2008	11:00	2.1	W
1-Feb-2008	12:00	1.6	W
1-Feb-2008	13:00	1.9	W
1-Feb-2008	14:00	1.9	WNW
1-Feb-2008	15:00	1.8	WNW
1-Feb-2008	16:00	1.2	WNW
1-Feb-2008	17:00	1.3	WNW
1-Feb-2008	18:00	1.9	WSW
1-Feb-2008	19:00	1.2	WNW
1-Feb-2008	20:00	1.5	WSW
1-Feb-2008	21:00	1.2	W
1-Feb-2008	22:00	2.1	WNW
1-Feb-2008	23:00	2.5	W
2-Feb-2008	00:00	2.6	WNW
2-Feb-2008	01:00	2.8	WNW
2-Feb-2008	02:00	3.2	WNW
2-Feb-2008	03:00	2.9	WSW
2-Feb-2008	04:00	2.8	SW
2-Feb-2008	05:00	2.8	SW
2-Feb-2008	06:00	3.1	SW
2-Feb-2008	07:00	2.5	SW
2-Feb-2008	08:00	3.0	SW
2-Feb-2008	09:00	3.1	SW
	10:00	3.5	SW
2-Feb-2008			
2-Feb-2008	11:00	4.1	SW
2-Feb-2008	12:00	4.1	WSW
2-Feb-2008	13:00	4.6	SW
2-Feb-2008	14:00	3.7	S
2-Feb-2008	15:00	4.1	WSW
2-Feb-2008	16:00	3.7	W
2-Feb-2008	17:00	3.5	W
2-Feb-2008	18:00	3.1	WSW
2-Feb-2008	19:00	3.4	W
2-Feb-2008	20:00	3.1	W
2-Feb-2008	21:00	2.8	W
2-Feb-2008	22:00	0.9	WNW
2-Feb-2008	23:00	0.9	NNE
3-Feb-2008	00:00	0.9	WNW
3-Feb-2008	01:00	0.0	
3-Feb-2008	02:00	0.0	
3-Feb-2008	03:00	1.6	WNW
3-Feb-2008	04:00	1.9	W
3-Feb-2008	05:00	1.9	WSW

Date	Time	Wind Speed m/s	Direction
3-Feb-2008	06:00	2.1	WSW
3-Feb-2008	07:00	1.5	WSW
3-Feb-2008	08:00	1.6	WSW
3-Feb-2008	09:00	2.2	W
3-Feb-2008	10:00	3.4	WSW
3-Feb-2008	11:00	2.6	W
3-Feb-2008	12:00	2.5	WSW
3-Feb-2008	13:00	2.1	WNW
3-Feb-2008	14:00	2.5	NW
3-Feb-2008	15:00	2.4	WNW
3-Feb-2008	16:00	2.2	WNW
3-Feb-2008	17:00	2.1	W
3-Feb-2008	18:00	2.1	W
3-Feb-2008	19:00	2.1	WNW
3-Feb-2008	20:00	2.6	WNW
3-Feb-2008	21:00	2.4	WNW
3-Feb-2008	22:00	2.2	WNW
3-Feb-2008	23:00	2.2	WNW
4-Feb-2008	00:00	2.2	W
4-Feb-2008	01:00	2.4	W
4-Feb-2008	02:00	2.5	W
4-Feb-2008	03:00	1.6	WSW
4-Feb-2008	04:00	1.0	SW
4-Feb-2008	05:00	0.7	SW
4-Feb-2008	06:00	0.7	SSW
4-Feb-2008	07:00	1.2	SSW
4-Feb-2008	08:00	0.7	SSW
4-Feb-2008	09:00	1.2	SSW
4-Feb-2008	10:00	1.9	SW
4-Feb-2008	11:00	1.5	W
4-Feb-2008	12:00	1.3	W
4-Feb-2008	13:00	1.0	WSW
4-Feb-2008	14:00	1.0	W
4-Feb-2008	15:00	0.7	W
4-Feb-2008	16:00	2.0	WSW
4-Feb-2008	17:00	1.2	WSW
4-Feb-2008	18:00	1.8	W
4-Feb-2008	19:00	1.0	W
4-Feb-2008	20:00	1.2	WSW
4-Feb-2008	21:00	1.6	SW
4-Feb-2008	22:00	2.2	SW
4-Feb-2008	23:00	2.1	WSW
5-Feb-2008	00:00	2.1	W
5-Feb-2008	01:00	2.1	W
5-Feb-2008	02:00	2.5	W
5-Feb-2008	03:00	3.0	W
5-Feb-2008	03:00	2.5	SSW
5-Feb-2008	04.00	2.2	SSW
5-Feb-2008	06:00	2.2	<u>33W</u>
5-Feb-2008	07:00	2.2	W
5-Feb-2008	07:00	1.6	NW
5-Feb-2008	09:00	1.9	WNW
	10:00	1.9	W
5-Feb-2008	10.00	0.1	٧V

Date	Time	Wind Speed m/s	Direction
5-Feb-2008	12:00	2.1	WSW
5-Feb-2008	13:00	1.6	SW
5-Feb-2008	14:00	1.9	W
5-Feb-2008	15:00	1.8	SW
5-Feb-2008	16:00	1.8	SW
5-Feb-2008	17:00	1.5	SW
5-Feb-2008	18:00	2.4	WNW
5-Feb-2008	19:00	0.7	WNW
5-Feb-2008	20:00	1.2	W
5-Feb-2008	21:00	1.2	SW
5-Feb-2008	22:00	0.6	W
5-Feb-2008	23:00	1.5	WNW
6-Feb-2008	00:00	1.5	WSW
6-Feb-2008	01:00	0.6	WNW
6-Feb-2008	02:00	0.5	WSW
	03:00	1.2	WNW
6-Feb-2008 6-Feb-2008	03.00	0.9	W
	04:00	0.9	SW
6-Feb-2008			
6-Feb-2008	06:00	0.4	
6-Feb-2008	07:00	0.0	
6-Feb-2008	08:00	0.0	
6-Feb-2008	09:00	0.9	WNW
6-Feb-2008	10:00	1.3	W
6-Feb-2008	11:00	2.2	WNW
6-Feb-2008	12:00	1.6	WNW
6-Feb-2008	13:00	2.2	WNW
6-Feb-2008	14:00	2.2	WNW
6-Feb-2008	15:00	2.1	W
6-Feb-2008	16:00	1.8	WNW
6-Feb-2008	17:00	1.6	WSW
6-Feb-2008	18:00	1.3	WSW
6-Feb-2008	19:00	1.6	WSW
6-Feb-2008	20:00	1.5	SW
6-Feb-2008	21:00	1.6	WNW
6-Feb-2008	22:00	1.8	W
6-Feb-2008	23:00	1.5	WNW
7-Feb-2008	00:00	1.8	WNW
7-Feb-2008	01:00	1.0	NNW
7-Feb-2008	02:00	0.9	WNW
7-Feb-2008	03:00	1.3	WNW
7-Feb-2008	04:00	1.2	WNW
7-Feb-2008	05:00	0.6	N
7-Feb-2008	06:00	0.6	NNE
7-Feb-2008	07:00	0.7	NNE
7-Feb-2008	08:00	0.9	NNE
7-Feb-2008	09:00	1.3	NE
7-Feb-2008	10:00	1.5	NE
7-Feb-2008	11:00	1.9	NE
7-Feb-2008	12:00	2.1	N
7-Feb-2008	13:00	1.6	W
7-Feb-2008	14:00	1.2	W
7-Feb-2008	15:00	1.2	W
		2.2	W
7-Feb-2008	<u>16:00</u> 17:00	2.2	WSW

Date	Time	Wind Speed m/s	Direction
7-Feb-2008	18:00	2.2	W
7-Feb-2008	19:00	2.1	SW
7-Feb-2008	20:00	2.4	W
7-Feb-2008	21:00	2.4	WSW
7-Feb-2008	22:00	2.4	WSW
7-Feb-2008	23:00	3.1	W
8-Feb-2008	00:00	1.8	WSW
8-Feb-2008	01:00	1.6	WNW
8-Feb-2008	02:00	1.2	SSW
8-Feb-2008	03:00	1.5	SSW
8-Feb-2008	04:00	1.8	WSW
8-Feb-2008	05:00	1.3	WSW
8-Feb-2008	06:00	1.8	WSW
8-Feb-2008	07:00	0.9	WSW
8-Feb-2008	08:00	0.7	WSW
8-Feb-2008	09:00	1.4	WNW
8-Feb-2008	10:00	2.2	W
8-Feb-2008	11:00	2.4	WSW
8-Feb-2008	12:00	2.5	WSW
8-Feb-2008	13:00	3.0	WSW
8-Feb-2008	14:00	3.5	WSW
8-Feb-2008	15:00	3.4	WSW
8-Feb-2008	16:00	3.7	WNW
8-Feb-2008	17:00	3.7	WSW
8-Feb-2008	18:00	3.9	WSW
8-Feb-2008	19:00	3.4	WSW
8-Feb-2008	20:00	2.1	WNW
8-Feb-2008	21:00	2.4	WNW
8-Feb-2008	22:00	2.8	WNW
8-Feb-2008	23:00	2.4	WNW
9-Feb-2008	00:00	3.1	WSW
9-Feb-2008	01:00	3.0	WNW
9-Feb-2008	02:00	2.8	WNW
9-Feb-2008	03:00	1.8	WNW
9-Feb-2008	04:00	2.4	WNW
9-Feb-2008	05:00	2.4	W
9-Feb-2008	06:00	1.4	W
9-Feb-2008	07:00	1.4	W
9-Feb-2008	08:00	2.2	W
9-Feb-2008	09:00	2.6	WNW
9-Feb-2008	10:00	2.9	WNW
9-Feb-2008	11:00	2.8	WNW
9-Feb-2008	12:00	2.8	NW
9-Feb-2008	13:00	2.8	WNW
9-Feb-2008	14:00	2.0	WNW
9-Feb-2008	15:00	2.9	WNW
9-Feb-2008	16:00	3.3	WNW
9-Feb-2008	17:00	2.8	W
9-Feb-2008	18:00	3.2	W
9-Feb-2008	19:00	3.1	W
9-Feb-2008	20:00	3.1	W
9-Feb-2008	21:00	2.8	WNW
9-Feb-2008	22:00	2.5	WNW
9-Feb-2008	23:00	1.9	W

Date	Time	Wind Speed m/s	Direction
10-Feb-2008	00:00	1.6	NE
10-Feb-2008	01:00	0.6	Ν
10-Feb-2008	02:00	0.6	NNE
10-Feb-2008	03:00	0.6	NE
10-Feb-2008	04:00	0.7	ESE
10-Feb-2008	05:00	0.9	ESE
10-Feb-2008	06:00	0.1	SSW
10-Feb-2008	07:00	0.0	
10-Feb-2008	08:00	0.0	
10-Feb-2008	09:00	0.6	WNW
10-Feb-2008	10:00	1.3	WNW
10-Feb-2008	11:00	1.7	WNW
10-Feb-2008	12:00	2.5	WNW
10-Feb-2008	13:00	2.6	N
10-Feb-2008	14:00	2.4	NNE
10-Feb-2008	15:00	2.5	NE
10-Feb-2008	16:00	2.4	NE
10-Feb-2008	17:00	3.2	NE
10-Feb-2008	18:00	2.9	NE
10-Feb-2008	19:00	3.0	E
10-Feb-2008	20:00	2.1	ENE
10-Feb-2008	21:00	2.1	E
10-Feb-2008	22:00	1.6	WSW
10-Feb-2008	23:00	1.5	SW
11-Feb-2008	00:00	1.2	SW
11-Feb-2008	01:00	0.6	W
11-Feb-2008	02:00	0.5	SW
11-Feb-2008	03:00	0.5	SW
11-Feb-2008	04:00	0.6	SW
11-Feb-2008	05:00	0.6	SSW
11-Feb-2008	06:00	0.6	SSW
11-Feb-2008	07:00	0.4	WNW
11-Feb-2008	08:00	0.4	W
11-Feb-2008	09:00	0.4	WNW
11-Feb-2008	10:00	0.9	W
11-Feb-2008	11:00	0.6	W
11-Feb-2008	12:00	0.9	Ŵ
11-Feb-2008	13:00	0.9	WNW
11-Feb-2008	14:00	1.2	W
11-Feb-2008	15:00	1.6	WNW
11-Feb-2008	16:00	1.6	WNW
11-Feb-2008	17:00	2.0	N
11-Feb-2008	18:00	2.5	N
11-Feb-2008	19:00	2.5	N
11-Feb-2008	20:00	2.7	N
11-Feb-2008	21:00	2.2	N
11-Feb-2008	22:00	1.5	NNE
11-Feb-2008	23:00	1.5	N
12-Feb-2008	00:00	1.5	NNE
12-Feb-2008	01:00	1.0	NNE
12-Feb-2008	02:00	0.9	NNE
12-Feb-2008	03:00	0.9	NNE
12-Feb-2008	04:00	0.9	
12-Feb-2008	05:00	0.9	NNE

Date	Time	Wind Speed m/s	Direction
12-Feb-2008	06:00	0.9	NNE
12-Feb-2008	07:00	0.7	NNE
12-Feb-2008	08:00	0.9	NNE
12-Feb-2008	09:00	1.3	NE
12-Feb-2008	10:00	2.2	NE
12-Feb-2008	11:00	2.1	NNE
12-Feb-2008	12:00	2.2	NE
12-Feb-2008	13:00	2.8	NE
12-Feb-2008	14:00	2.8	NE
12-Feb-2008	15:00	1.4	NE
12-Feb-2008	16:00	1.4	ENE
12-Feb-2008	17:00	1.5	ENE
12-Feb-2008	18:00	2.5	NE
12-Feb-2008	19:00	1.9	NE
12-Feb-2008	20:00	1.0	NE
12-Feb-2008		2.2	NE
	21:00 22:00	2.2	NNE
12-Feb-2008		2.5	
12-Feb-2008	23:00		NE
13-Feb-2008	00:00	1.8	NNE
13-Feb-2008	01:00	2.5	NE
13-Feb-2008	02:00	2.5	NNE
13-Feb-2008	03:00	2.5	NE
13-Feb-2008	04:00	2.6	NNE
13-Feb-2008	05:00	3.3	NNE
13-Feb-2008	06:00	2.6	W
13-Feb-2008	07:00	3.0	WNW
13-Feb-2008	08:00	2.5	WNW
13-Feb-2008	09:00	2.4	W
13-Feb-2008	10:00	2.9	W
13-Feb-2008	11:00	3.0	Ν
13-Feb-2008	12:00	3.4	NE
13-Feb-2008	13:00	2.2	NNE
13-Feb-2008	14:00	1.6	NE
13-Feb-2008	15:00	2.5	NNE
13-Feb-2008	16:00	2.4	NNE
13-Feb-2008	17:00	2.5	W
13-Feb-2008	18:00	2.9	W
13-Feb-2008	19:00	3.4	NE
13-Feb-2008	20:00	2.4	W
13-Feb-2008	21:00	2.2	WNW
13-Feb-2008	22:00	2.2	Ν
13-Feb-2008	23:00	2.4	NNE
14-Feb-2008	00:00	2.8	W
14-Feb-2008	01:00	2.2	W
14-Feb-2008	02:00	1.2	SSW
14-Feb-2008	03:00	1.6	W
14-Feb-2008	04:00	1.6	W
14-Feb-2008	05:00	1.5	W
14-Feb-2008	06:00	1.6	W
14-Feb-2008	07:00	2.5	W
14-Feb-2008	08:00	2.5	W
14-Feb-2008	09:00	2.2	Ν
14-Feb-2008	10:00	1.9	Ν
14-Feb-2008	11:00	2.2	Ν

Date	Time	Wind Speed m/s	Direction
14-Feb-2008	12:00	1.8	Ν
14-Feb-2008	13:00	2.1	N
14-Feb-2008	14:00	1.9	N
14-Feb-2008	15:00	2.5	NNE
14-Feb-2008	16:00	2.8	N
14-Feb-2008	17:00	2.5	NNE
14-Feb-2008	18:00	2.8	NNE
14-Feb-2008	19:00	1.8	NNE
14-Feb-2008	20:00	1.6	NNE
14-Feb-2008	21:00	1.5	NNE
14-Feb-2008	22:00	2.1	NNE
14-Feb-2008	23:00	2.1	NNE
15-Feb-2008	00:00	1.8	NNE
15-Feb-2008	01:00	1.3	NNE
15-Feb-2008	02:00	1.2	NE
15-Feb-2008	03:00	0.9	NE
15-Feb-2008	04:00	0.9	NNE
15-Feb-2008	05:00	0.7	NE
15-Feb-2008	06:00	0.6	NE
15-Feb-2008	07:00	1.2	NE
15-Feb-2008	08:00	0.6	WNW
15-Feb-2008	09:00	0.6	SW
15-Feb-2008	10:00	0.6	WNW
15-Feb-2008	11:00	1.8	WNW
15-Feb-2008	12:00	1.6	WNW
15-Feb-2008	13:00	2.1	WNW
15-Feb-2008	14:00	1.6	WNW
15-Feb-2008	15:00	1.5	W
15-Feb-2008	16:00	2.2	SW
15-Feb-2008	17:00	2.2	WSW
15-Feb-2008	18:00	2.4	WNW
15-Feb-2008	19:00	1.3	WNW
15-Feb-2008	20:00	1.3	WNW
15-Feb-2008	21:00	1.0	WNW
15-Feb-2008	22:00	0.7	WNW
15-Feb-2008	23:00	0.7	WNW
16-Feb-2008	00:00	0.3	WNW
16-Feb-2008	01:00	0.0	
16-Feb-2008	02:00	0.0	
16-Feb-2008	03:00	0.0	
16-Feb-2008	04:00	0.0	
16-Feb-2008	05:00	0.0	
16-Feb-2008	06:00	0.0	
16-Feb-2008	07:00	1.2	WSW
16-Feb-2008	08:00	1.3	WSW
16-Feb-2008	09:00	1.5	SW
16-Feb-2008	10:00	1.9	WSW
16-Feb-2008	11:00	2.5	WSW
16-Feb-2008	12:00	2.9	WSW
16-Feb-2008	13:00	2.5	WNW
16-Feb-2008	14:00	2.4	WNW
16-Feb-2008	15:00	2.9	WNW
16-Feb-2008	16:00	2.9	WNW
16-Feb-2008	17:00	2.8	WNW

Date	Time	Wind Speed m/s	Direction
16-Feb-2008	18:00	2.5	WNW
16-Feb-2008	19:00	2.2	WNW
16-Feb-2008	20:00	1.6	W
16-Feb-2008	21:00	1.8	W
16-Feb-2008	22:00	1.8	W
16-Feb-2008	23:00	1.6	WSW
17-Feb-2008	00:00	2.1	WNW
17-Feb-2008	01:00	1.8	WSW
17-Feb-2008	02:00	1.6	WSW
17-Feb-2008	03:00	1.6	WNW
17-Feb-2008	04:00	1.8	WNW
17-Feb-2008	05:00	1.9	SW
17-Feb-2008	06:00	1.6	WNW
17-Feb-2008	07:00	2.1	WNW
17-Feb-2008	08:00	2.1	WNW
17-Feb-2008	09:00	2.5	WNW
17-Feb-2008	10:00	2.8	WNW
17-Feb-2008	11:00	2.6	WNW
17-Feb-2008	12:00	2.4	WNW
17-Feb-2008	13:00	2.4	WNW
17-Feb-2008	14:00	1.9	WNW
17-Feb-2008	15:00	1.8	W
17-Feb-2008	16:00	1.8	WNW
17-Feb-2008	17:00	1.8	W
17-Feb-2008	18:00	2.5	W
17-Feb-2008	19:00	2.4	WNW
17-Feb-2008	20:00	2.2	W
17-Feb-2008	21:00	2.4	WNW
17-Feb-2008	22:00	2.8	WSW
17-Feb-2008	23:00	2.2	WNW
18-Feb-2008	00:00	1.9	W
18-Feb-2008	01:00	2.2	WNW
18-Feb-2008	02:00	1.9	WNW
18-Feb-2008	03:00	2.1	SSW
18-Feb-2008	04:00	1.2	W
18-Feb-2008	05:00	1.5	W
18-Feb-2008	06:00	2.2	W
18-Feb-2008	07:00	2.8	WNW
18-Feb-2008	08:00	2.4	WNW
18-Feb-2008	09:00	3.3	WNW
18-Feb-2008	10:00	2.6	W
18-Feb-2008	11:00	2.5	W
18-Feb-2008	12:00	2.4	WNW
18-Feb-2008	13:00	2.2	WNW
18-Feb-2008	14:00	2.2	W
18-Feb-2008	15:00	2.8	W
18-Feb-2008	16:00	2.6	W
18-Feb-2008	17:00	1.4	W
18-Feb-2008	18:00	1.6	WNW
18-Feb-2008	19:00	2.1	WNW
18-Feb-2008	20:00	2.5	WNW
18-Feb-2008	21:00	2.2	W
18-Feb-2008	22:00	2.6	W
18-Feb-2008	23:00	3.0	WNW

Date	Time	Wind Speed m/s	Direction
19-Feb-2008	00:00	2.4	W
19-Feb-2008	01:00	1.8	NNE
19-Feb-2008	02:00	1.3	NNE
19-Feb-2008	03:00	2.2	NNE
19-Feb-2008	04:00	1.6	NE
19-Feb-2008	05:00	1.8	NE
19-Feb-2008	06:00	1.5	NNE
19-Feb-2008	07:00	1.2	NE
19-Feb-2008	08:00	1.6	NE
19-Feb-2008	09:00	1.6	NE
19-Feb-2008	10:00	1.8	NE
19-Feb-2008	11:00	1.8	ENE
19-Feb-2008	12:00	2.1	ENE
19-Feb-2008	13:00	2.8	NE
19-Feb-2008	14:00	3.0	NE
19-Feb-2008	15:00	2.5	NE
19-Feb-2008	16:00	2.4	NE
19-Feb-2008	17:00	1.5	NNE
19-Feb-2008	18:00	1.5	NE
19-Feb-2008	19:00	1.8	NNE
19-Feb-2008	20:00	2.1	NE
19-Feb-2008	21:00	2.2	NE
19-Feb-2008	22:00	2.5	NNE
19-Feb-2008	23:00	2.2	ENE
20-Feb-2008	00:00	2.2	NE
20-Feb-2008	01:00	2.4	ENE
20-Feb-2008	02:00	1.9	NE
20-Feb-2008	03:00	1.6	ENE
20-Feb-2008	04:00	2.6	ENE
20-Feb-2008	05:00	3.2	ESE
20-Feb-2008	06:00	2.5	W
20-Feb-2008	07:00	1.2	W
20-Feb-2008	08:00	2.1	W
20-Feb-2008	09:00	1.9	W
20-Feb-2008	10:00	2.2	E
20-Feb-2008	11:00	2.8	SSW
20-Feb-2008	12:00	3.0	W
20-Feb-2008	13:00	2.1	W
20-Feb-2008	14:00	2.6	W
20-Feb-2008	15:00	1.7	W
20-Feb-2008	16:00	2.6	W
20-Feb-2008	17:00	1.6	W
20-Feb-2008	18:00	1.8	W
20-Feb-2008	19:00	2.1	W
20-Feb-2008	20:00	2.1	W
20-Feb-2008	21:00	2.5	W
20-Feb-2008	22:00	2.5	W
20-Feb-2008	23:00	2.1	W
21-Feb-2008	00:00	2.1	W
21-Feb-2008	01:00	1.6	W
21-Feb-2008	02:00	1.3	W
21-Feb-2008	03:00	0.9	W
21-Feb-2008	04:00	1.3	W
21-Feb-2008	05:00	1.9	W

Date	Time	Wind Speed m/s	Direction
21-Feb-2008	06:00	2.2	W
21-Feb-2008	07:00	1.2	W
21-Feb-2008	08:00	1.3	W
21-Feb-2008	09:00	1.6	W
21-Feb-2008	10:00	1.6	SSW
21-Feb-2008	11:00	1.2	W
21-Feb-2008	12:00	1.6	WSW
21-Feb-2008	13:00	2.4	WSW
21-Feb-2008	14:00	2.4	W
21-Feb-2008	15:00	2.6	SW
21-Feb-2008	16:00	1.8	SW
21-Feb-2008	17:00	2.1	SW
21-Feb-2008	18:00	2.6	
21-Feb-2008	19:00	3.0	SW
21-Feb-2008	20:00	2.9	WSW
21-Feb-2008	21:00	2.4	W
21-Feb-2008	22:00	1.9	WSW
21-Feb-2008	23:00	1.5	W
22-Feb-2008	00:00	1.5	WSW
22-Feb-2008	01:00	1.2	SW
22-Feb-2008	02:00	0.9	SW
22-Feb-2008	03:00	0.9	SW
22-Feb-2008	04:00	1.0	SSW
22-Feb-2008	05:00	0.7	SW
22-Feb-2008	06:00	0.9	SW
22-Feb-2008	07:00	0.6	SW
22-Feb-2008	08:00	0.4	SW
22-Feb-2008	09:00	0.6	W
22-Feb-2008	10:00	0.9	WSW
22-Feb-2008	11:00	1.0	WSW
22-Feb-2008	12:00	1.0	SW
22-Feb-2008	13:00	1.0	SSW
22-Feb-2008	14:00	0.9	SW
22-Feb-2008	15:00	1.2	WSW
22-Feb-2008	16:00	1.8	W
22-Feb-2008	17:00	1.8	WSW
22-Feb-2008	18:00	1.6	SW
22-Feb-2008	19:00	1.0	SW
	20:00	1.5	 WSW
22-Feb-2008			WSW
22-Feb-2008	21:00	1.0	
22-Feb-2008	22:00	0.9	SW
22-Feb-2008	23:00	0.9	SW
23-Feb-2008	00:00	1.8	WSW
23-Feb-2008	01:00	1.2	WSW
23-Feb-2008	02:00	1.5	SW
23-Feb-2008	03:00	1.2	WSW
23-Feb-2008	04:00	1.2	SW
23-Feb-2008	05:00	1.3	WSW
23-Feb-2008	06:00	1.5	WSW
23-Feb-2008	07:00	1.3	W
23-Feb-2008	08:00	0.9	W
23-Feb-2008	09:00	0.7	W
23-Feb-2008	10:00	0.6	W
23-Feb-2008	11:00	0.6	W

Date	Time	Wind Speed m/s	Direction
23-Feb-2008	12:00	1.2	W
23-Feb-2008	13:00	0.9	SW
23-Feb-2008	14:00	1.2	SW
23-Feb-2008	15:00	0.9	W
23-Feb-2008	16:00	2.2	W
23-Feb-2008	17:00	1.6	W
23-Feb-2008	18:00	1.2	W
23-Feb-2008	19:00	0.7	W
23-Feb-2008	20:00	0.4	W
23-Feb-2008	21:00	0.7	W
23-Feb-2008	22:00	0.6	W
23-Feb-2008	23:00	1.2	W
24-Feb-2008	00:00	0.9	WSW
24-Feb-2008	01:00	1.2	W
24-Feb-2008	02:00	1.2	WNW
24-Feb-2008	03:00	1.9	W
24-Feb-2008	04:00	1.8	W
24-Feb-2008	05:00	1.5	W
24-Feb-2008	06:00	1.5	W
24-Feb-2008	07:00	1.0	W
24-Feb-2008	08:00	1.0	W
24-Feb-2008	09:00	0.7	W
24-Feb-2008	10:00	0.3	W
24-Feb-2008	11:00	0.3	W
24-Feb-2008	12:00	1.5	W
24-Feb-2008	13:00	2.2	SSW
24-Feb-2008	14:00	2.2	SSW
24-Feb-2008	15:00	2.1	SW
24-Feb-2008	16:00	1.6	SW
24-Feb-2008	17:00	2.5	WSW
24-Feb-2008	18:00	1.9	WNW
24-Feb-2008	19:00	2.6	WNW
24-Feb-2008	20:00	2.0	WNW
24-Feb-2008	21:00	1.8	WNW
24-Feb-2008	22:00	1.6	WNW
24-Feb-2008	23:00	1.9	WSW
25-Feb-2008	00:00	1.5	WSW
25-Feb-2008	01:00	1.2	WNW
25-Feb-2008	02:00	1.5	WNW
25-Feb-2008	03:00	0.7	SW
25-Feb-2008	04:00	1.0	WSW
25-Feb-2008	05:00	1.8	W
25-Feb-2008	06:00	1.6	WNW
25-Feb-2008	07:00	1.5	WNW
25-Feb-2008	08:00	1.2	WNW
25-Feb-2008	09:00	0.9	W
25-Feb-2008	10:00	0.6	W
25-Feb-2008	11:00	1.3	SW
25-Feb-2008	12:00	1.8	W
25-Feb-2008	13:00	2.5	W
25-Feb-2008	14:00	2.6	WSW
25-Feb-2008	15:00	1.9	SSW
25-Feb-2008	16:00	1.9	SW
25-Feb-2008	17:00	2.5	W

Date	Time	Wind Speed m/s	Direction
25-Feb-2008	18:00	2.8	SW
25-Feb-2008	19:00	2.2	WSW
25-Feb-2008	20:00	2.2	SW
25-Feb-2008	21:00	2.1	WSW
25-Feb-2008	22:00	2.8	WSW
25-Feb-2008	23:00	2.5	WSW
26-Feb-2008	00:00	2.5	WSW
26-Feb-2008	01:00	2.6	WSW
26-Feb-2008	02:00	1.9	WNW
26-Feb-2008	03:00	1.7	WNW
26-Feb-2008	04:00	2.2	WNW
26-Feb-2008	05:00	2.8	WNW
26-Feb-2008	06:00	2.9	WNW
26-Feb-2008	07:00	3.0	WNW
26-Feb-2008	08:00	3.2	WNW
26-Feb-2008	09:00	2.8	WNW
26-Feb-2008	10:00	2.9	WNW
26-Feb-2008	11:00	2.9	WSW
26-Feb-2008	12:00	3.5	WSW
26-Feb-2008	13:00	3.8	WNW
26-Feb-2008	14:00	3.4	WNW
26-Feb-2008	15:00	4.3	WNW
26-Feb-2008	16:00	4.0	WNW
26-Feb-2008	17:00	3.8	WNW
26-Feb-2008	18:00	4.0	WNW
26-Feb-2008	19:00	3.3	WNW
26-Feb-2008	20:00	2.9	WNW
26-Feb-2008	21:00	3.4	WNW
26-Feb-2008	22:00	3.6	WNW
26-Feb-2008	23:00	3.2	WNW
27-Feb-2008	00:00	3.7	WNW
27-Feb-2008	01:00	3.4	WNW
27-Feb-2008	02:00	2.6	WNW
27-Feb-2008	03:00	2.5	W
27-Feb-2008	04:00	2.4	W
27-Feb-2008	05:00	2.9	W
27-Feb-2008	06:00	3.1	WSW
27-Feb-2008	07:00	3.3	SW
27-Feb-2008	08:00	3.4	SW
27-Feb-2008	09:00	3.4	WSW
27-Feb-2008	10:00	3.7	W
27-Feb-2008	11:00	3.1	SW
27-Feb-2008	12:00	3.1	SW
27-Feb-2008	13:00	3.1	WNW
27-Feb-2008	14:00	3.4	WNW
27-Feb-2008	15:00	3.5	WNW
27-Feb-2008	16:00	3.8	WNW
27-Feb-2008	17:00	3.3	WNW
27-Feb-2008	18:00	2.8	WNW
27-Feb-2008	19:00	3.1	W
27-Feb-2008	20:00	3.2	SW
27-Feb-2008	21:00	3.1	W
27-Feb-2008	22:00	2.8	WNW
27-Feb-2008	23:00	1.8	WNW

Date	Time	Wind Speed m/s	Direction
28-Feb-2008	00:00	2.8	WNW
28-Feb-2008	01:00	2.2	WNW
28-Feb-2008	02:00	1.5	W
28-Feb-2008	03:00	1.3	WSW
28-Feb-2008	04:00	1.6	WSW
28-Feb-2008	05:00	1.2	WSW
28-Feb-2008	06:00	1.0	WNW
28-Feb-2008	07:00	1.2	WSW
28-Feb-2008	08:00	1.9	WNW
28-Feb-2008	09:00	1.8	WSW
28-Feb-2008	10:00	1.8	WSW
28-Feb-2008	11:00	1.8	W
28-Feb-2008	12:00	1.9	WNW
28-Feb-2008	13:00	2.1	WNW
28-Feb-2008	14:00	2.5	WNW
28-Feb-2008	15:00	2.4	WNW
28-Feb-2008	16:00	1.8	WNW
28-Feb-2008	17:00	2.1	SW
28-Feb-2008	18:00	1.9	WSW
28-Feb-2008	19:00	2.2	WSW
28-Feb-2008	20:00	2.9	SW
28-Feb-2008	21:00	2.2	W
28-Feb-2008	22:00	2.1	W
28-Feb-2008	23:00	2.9	SW
29-Feb-2008	00:00	2.7	WNW
29-Feb-2008	01:00	2.2	WNW
29-Feb-2008	02:00	2.2	WNW
29-Feb-2008	03:00	3.1	W
29-Feb-2008	04:00	3.6	W
29-Feb-2008	05:00	2.7	W
29-Feb-2008	06:00	1.8	WSW
29-Feb-2008	07:00	1.8	SW
29-Feb-2008	08:00	1.3	SW
29-Feb-2008	09:00	1.3	WSW
29-Feb-2008	10:00	1.3	W
29-Feb-2008	11:00	0.4	SW
29-Feb-2008	12:00	0.4	SW
29-Feb-2008	13:00	0.4	WNW
29-Feb-2008	14:00	0.0	
29-Feb-2008	15:00	0.0	
29-Feb-2008	16:00	0.0	
29-Feb-2008	17:00	2.0	SW
29-Feb-2008	18:00	2.0	SW
29-Feb-2008	19:00	1.1	WSW
29-Feb-2008	20:00	2.0	SW
29-Feb-2008	21:00	1.6	S
29-Feb-2008	22:00	1.1	WSW
29-Feb-2008	23:00	0.7	W

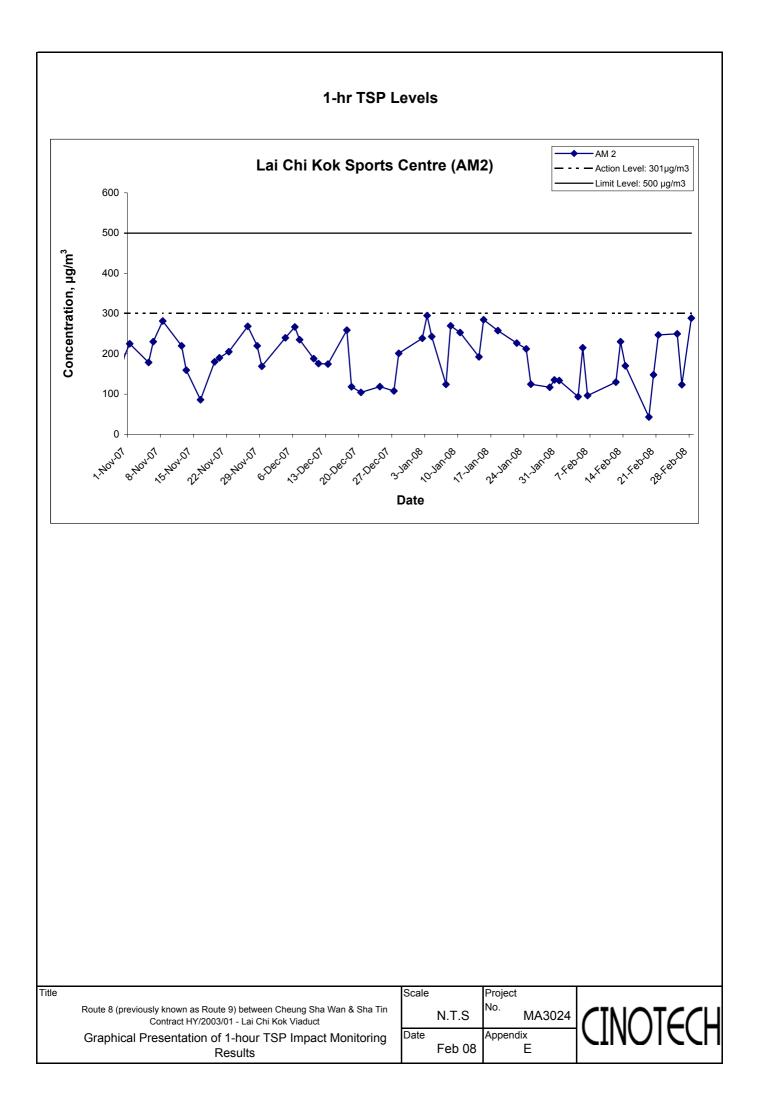
APPENDIX E 1-HOUR TSP MONITORING RESULTS AND GRAPHICAL PRESENTATION

Appendix E - 1-hour TSP Monitoring Results

Location AM 2 - Lai Chi Kok Sports Centre

Date	Weather	Filter W	eight (g)	Flow Rate	e (m ³ /min.)	Elaps	se Time	Air	Atmospheric	Particulate	Av. flow	Total vol.	Sampling	Conc.
	Condition	Initial	Final	Initial	Final	Initial	Final	Temp. (K)	Pressure(Pa)	weight(g)	(m ³ /min)	(m ³)	Time(hrs.)	(µg/m ³)
4-Feb-08	Cloudy	2.8222	2.8292	1.25	1.25	7216.1	7217.1	281.2	769.4	0.0070	1.25	74.9	1.0	93.5
5-Feb-08	Cloudy	2.8746	2.8907	1.25	1.25	7241.1	7242.1	283.5	767.3	0.0161	1.25	74.9	1.0	215.0
6-Feb-08	Cloudy	2.8084	2.8156	1.25	1.25	7242.1	7243.1	281.7	769.1	0.0072	1.25	74.8	1.0	96.2
12-Feb-08	Sunny	2.8051	2.8148	1.25	1.25	7243.1	7244.1	282.2	772.1	0.0097	1.25	74.9	1.0	129.5
13-Feb-08	Cloudy	2.7791	2.7963	1.24	1.24	7268.1	7269.1	284.1	771.1	0.0172	1.24	74.7	1.0	230.4
14-Feb-08	Cloudy	2.8206	2.8333	1.24	1.24	7269.1	7270.1	285.2	772.3	0.0127	1.24	74.6	1.0	170.3
19-Feb-08	Sunny	2.7765	2.7797	1.24	1.24	7294.1	7295.1	286.2	773.0	0.0032	1.24	74.5	1.0	43.0
20-Feb-08	Sunny	2.8162	2.8272	1.24	1.24	7295.1	7296.1	287.6	772.1	0.0110	1.24	74.3	1.0	148.0
21-Feb-08	Sunny	2.8134	2.8317	1.24	1.24	7296.1	7297.1	288.3	770.1	0.0183	1.24	74.2	1.0	246.8
25-Feb-08	Cloudy	2.8559	2.8744	1.24	1.24	7321.1	7322.1	288.1	769.1	0.0185	1.24	74.1	1.0	249.6
26-Feb-08	Cloudy	2.8545	2.8636	1.23	1.23	7322.1	7323.1	290.1	767.9	0.0091	1.23	73.9	1.0	123.2
28-Feb-08	Sunny	2.8967	2.9182	1.24	1.24	7323.1	7324.1	286.1	771.2	0.0215	1.24	74.4	1.0	288.8
													Min	43.0
														000.0

Max288.8Average169.5



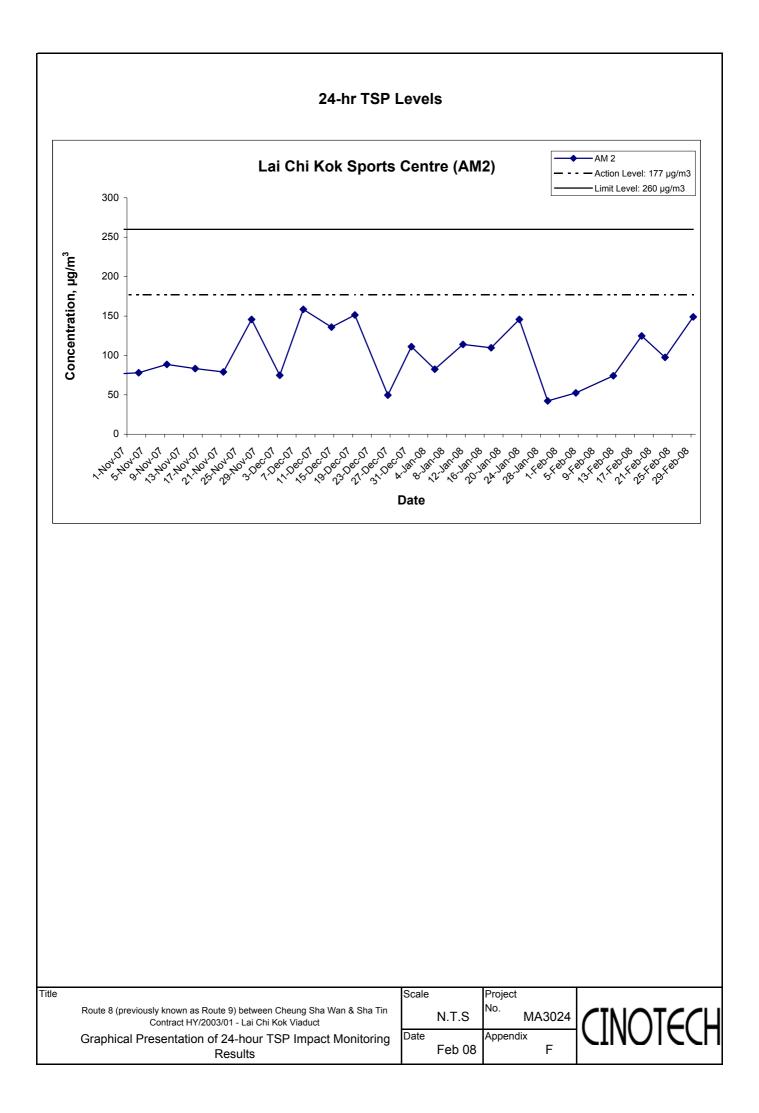
APPENDIX F 24-HOUR TSP MONITORING RESULTS AND GRAPHICAL PRESENTATION

Appendix F - 24-hour TSP Monitoring Results

Location AM 2 - Lai Chi Kok Sports Centre

Date	Weather	Filter Weight (g)		Flow Rate	Flow Rate (m ³ /min.)		Elapse Time		Atmospheric	Particulate	Av. flow	Total vol.	Sampling	Conc.
	Condition	Initial	Final	Initial	Final	Initial	Final	Temp. (K)	Pressure(Pa)	weight(g)	(m ³ /min)	(m ³)	Time(hrs.)	(µg/m³)
4-Feb-08	Cloudy	2.8292	2.9234	1.25	1.25	7217.1	7241.1	281.4	769.2	0.0942	1.25	1796.9	24.0	52.4
12-Feb-08	Cloudy	2.8305	2.9637	1.25	1.25	7244.1	7268.1	282.3	771.9	0.1332	1.25	1797.1	24.0	74.1
18-Feb-08	Cloudy	2.7447	2.9670	1.24	1.24	7270.1	7294.1	288.1	772.7	0.2223	1.24	1782.7	24.0	124.7
23-Feb-08	Cloudy	2.7813	2.9539	1.23	1.23	7297.1	7321.1	290.2	767.1	0.1726	1.23	1771.9	24.0	97.4
29-Feb-08	Sunny	2.8726	3.1376	1.24	1.24	7324.1	7348.1	287.3	767.1	0.2650	1.24	1779.3	24.0	148.9
													Min	52.4
													Max	148.9

Average 99.5



APPENDIX G NOISE MONITORING RESULTS AND GRAPHICAL PRESENTATION

Appendix G - Noise Monitoring Results

Location N	Location NM2 - Lai Chi Kok Reception Centre												
						Unit: dB (A) (30)-min)						
Date	Time	Weather	Measu	red Nois	e Level	Baseline Level	Construction Noise Level	Remarks					
			L _{eq}	L ₁₀	L ₉₀	L _{eq}	L _{eq}						
4-Feb-08	09:00	Cloudy	68.4	71.7	63.7		68.4, Measured \leq Baseline						
12-Feb-08	10:00	Cloudy	63.9	66.2	58.7	68.4	63.9, Measured \leq Baseline	Resumed since September 2006					
21-Feb-08	09:00	Sunny	69.3	71.7	67.2	00.4	62.0	Resulted since September 2000					
26-Feb-08	09:00	Cloudy	68.0	70.2	63.2		68.0, Measured \leq Baseline						

Location N	Location NM4 - Mei Foo Sun Chuen, Phase 5												
						Unit: dB (A) (30)-min)						
Date	Time	Weather	Measu	red Nois	e Level	Baseline Level	Construction Noise Level	Remarks					
			L _{eq}	L ₁₀	L ₉₀	L _{eq}	L _{eq}						
4-Feb-08	09:45	Cloudy	73.3	75.5	68.0		73.3, Measured \leq Baseline	Road traffic noise from Ching					
12-Feb-08	11:00	Cloudy	75.4	77.5	67.5	73.8	70.3	Cheung Road was identified as the					
21-Feb-08	09:45	Sunny	73.2	75.5	68.0	13.0	73.2, Measured \leq Baseline	major noise source.					
26-Feb-08	09:40	Cloudy	74.1	77.5	68.5		62.3	major noise source.					

Location N	M8a - M	/F of Nob I	Hill			
Date	Time	Weather	Unit: d	IB (A) (3	0-min)	Remarks
			L _{eq}	L ₁₀	L ₉₀	
4-Feb-08	10:35	Cloudy	73.8	75.5	69.0	
12-Feb-08	13:00	Cloudy	73.6	76.0	68.5	Road traffic noise from Ching Cheung Road
21-Feb-08	10:35	Sunny	72.6	74.5	69.0	was identified as the major noise source.
26-Feb-08	10:20	Cloudy	72.8	75.5	69.5	

Location N	M8b - 3/	/F of Nob H	lill			
Date	Time	Weather	Unit: d	IB (A) (3	0-min)	Remarks
			L _{eq}	L ₁₀	L ₉₀	
4-Feb-08	11:15	Cloudy	75.6	77.5	70.0	This Station (NM8b) which is strongly
12-Feb-08	13:45	Cloudy	76.2	78.5	600	influenced by road traffic noise from Ching Cheung Road. The measurement at this station
21-Feb-08	11:15	Sunny	75.3	77.5		is for reference purpose, but not for compliance
26-Feb-08	10:55	Cloudy	75.8	77.5		check for construction noise.

Location N	M9 - Ho	i Lai Estat	e			
Date	Time Weathe		Unit: c	IB (A) (3	0-min)	Remarks
			L _{eq}	L ₁₀	L ₉₀	
4-Feb-08	13:00	Cloudy	61.2	63.5	55.5	
12-Feb-08	14:45	Cloudy	68.8	72.0	63.5	_
21-Feb-08	13:00	Sunny	62.3	63.5	57.5	-
26-Feb-08	11:35	Cloudy	62.8	64.5	58.0	

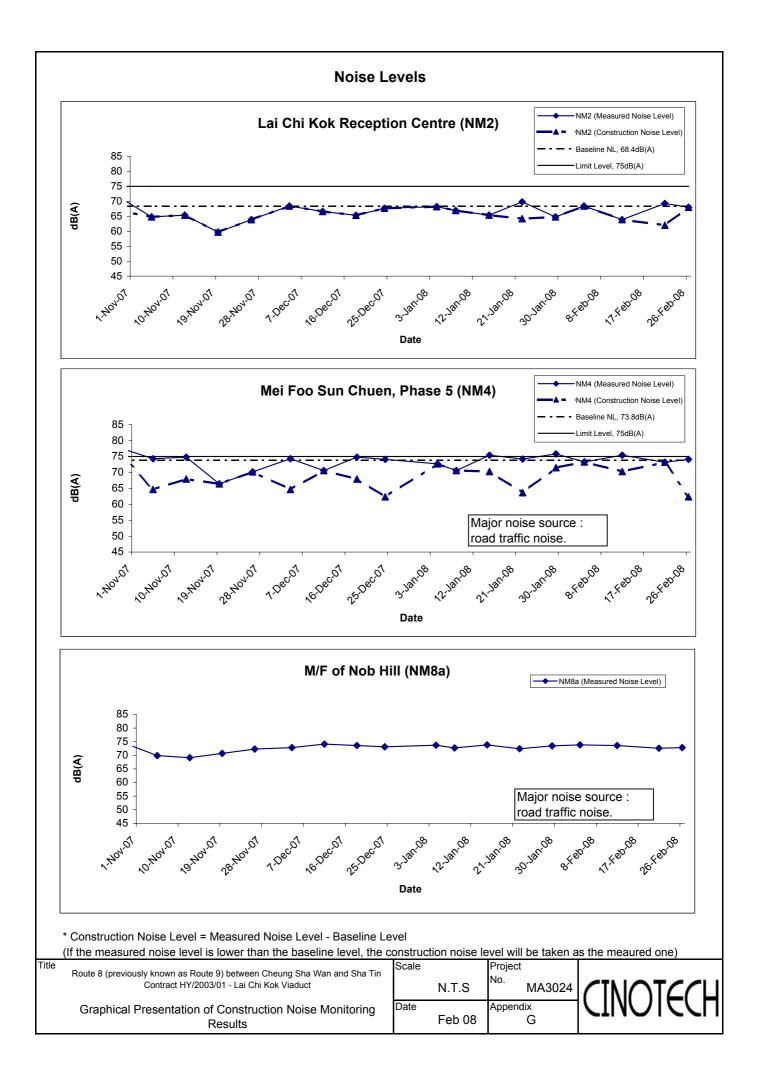
Construction Noise Level (Leq) = Measured Noise Level (Leq) - Baseline Noise Level (Leq)

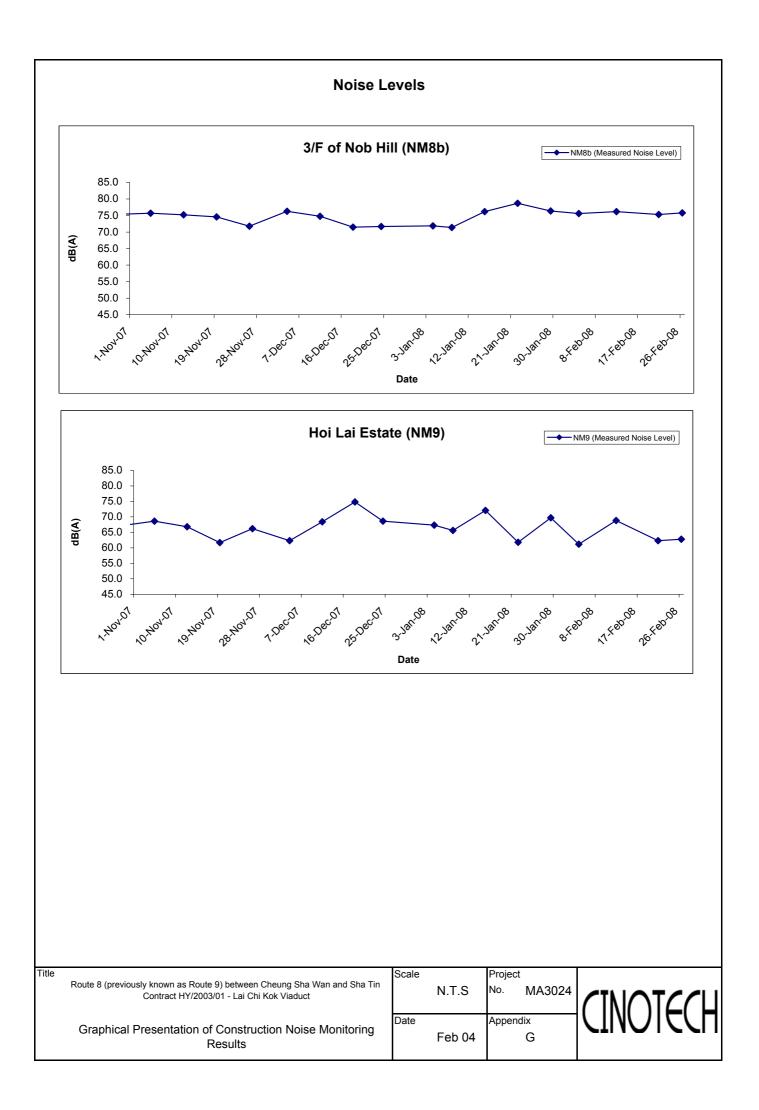
Appendix G - Noise Monitoring Results

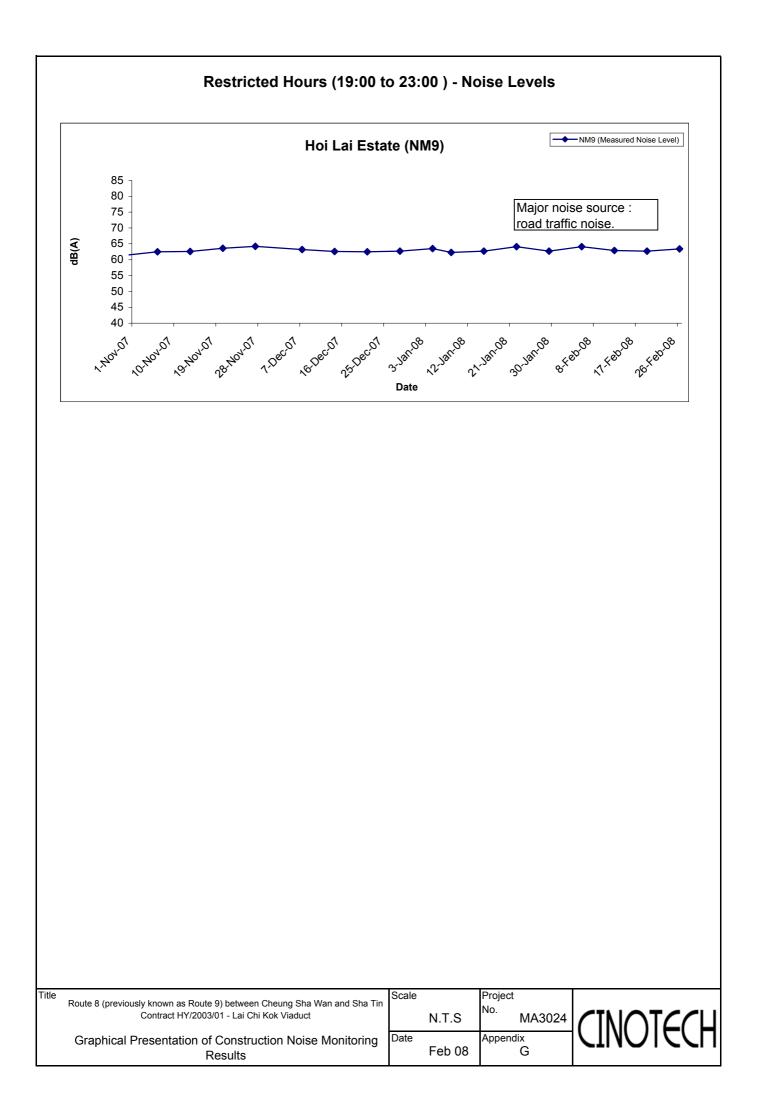
Restricted Hours - 19:00 to 23:00 on normal weekdays

Location N	M9 - Ho	oi Lai Estat	e						
Dete	Time	Weather		dB (A) (5-min)					
Date	Time	Weather	L _{eq}	L ₁₀	L ₉₀	Average L_{eq}			
	19:00		64.6	68.5	61.5				
5-Feb-08	19:05	Cloudy	63.8	68.0	61.0	64.1			
	19:10		63.9	68.0	61.0				
	19:10	Cloudy	62.8	68.0	57.0				
12-Feb-08	19:15		62.9	68.0	57.0	62.9			
	19:20		62.9	68.0	57.0				
	19:20		62.6	64.5	59.0				
19-Feb-08	19:25	Cloudy	62.6	64.5	59.0	62.7			
	19:30		62.7	64.5	59.0				
	19:05		63.0	68.0	60.0				
26-Feb-08	19:10	Cloudy	63.6	68.5	60.0	63.4			
	19:15		63.5	68.5	60.0				

Construction Noise Level (Leq) = Measured Noise Level (Leq) - Baseline Noise Level (Leq)







APPENDIX H SUMMARY OF EXCEEDANCE

Summary of Exceedances Recorded in the Reporting Month

a) Exceedance Report for 1-hr TSP

• No Action/Limit Level exceedance was recorded in the reporting month.

b) Exceedance Report for 24-hr TSP

• No Action/Limit Level exceedance was recorded in the reporting month.

c) Exceedance Report for Construction Noise

- One Action Level exceedances was recorded due to noise complaint received on 29 February 2008.
- No noise Limit Level exceedance was recorded in the reporting month.

APPENDIX I SITE AUDIT SUMMARY

Checklist Reference Number	80204C-LCKV
Date	4 February 2008 (Mon)
Time	09:30 - 10:30

Ref. No.	Non-Compliance	Related Item No.
-	None identified	-

Ref. No.	Remarks/Observations	Related Item No.
	A. Water Quality	
	• No environmental deficiency was identified during the site inspection.	
	B. Air Quality	
	• No environmental deficiency was identified during the site inspection.	
	C. Noise	
	• No environmental deficiency was identified during the site inspection.	
	D. Waste / Chemical Management	
O01	• Oil leakage from an air compressor was observed at Nob Hill. The Contractor was advised to treat the contaminated surface.	E12
O02	• General refuse was found at Mui Kong Tsuen. The Contractor was advised to clean them out	Eli
	E. Permit / Licenses	
	• No environmental deficiency was identified during the site inspection.	
	F. Others	
	• Follow-up on previous audit (Ref. No.:80130-LCKV), the environmental	
	deficiency was found to be rectified/ improved during the site inspection.	
	• Covering of loaded truck leaving the site was checked during the site	
	inspection. No uncovered truck leaving the construction site was observed without cover.	

	Name	Signature	Date
Recorded by	Grace Wong	Once	4 February 2008
Checked by	Dr. Priscilla Choy	Inita	4 February 2008

Checklist Reference Number	80213C-LCKV	
Date	13 February 2008 (Wed)	
Time	09:00 - 10:15	

Ref. No.	Non-Compliance	Related Item No.
-	None identified	-

Ref. No.	Remarks/Observations	Related Item No.
	A. Water Quality	
	• No environmental deficiency was identified during the site inspection.	
	· ·	
	B. Air Quality	
	• No environmental deficiency was identified during the site inspection.	
	C. Noise	
	• No environmental deficiency was identified during the site inspection.	
	D. Waste / Chemical Management	
	• No environmental deficiency was identified during the site inspection.	
	E. Permit / Licenses	
	• No environmental deficiency was identified during the site inspection.	
	F. Others	
	• Follow-up on previous audit (Ref. No.:80204-LCKV), the environmental	
	deficiency was found to be rectified/ improved during the site inspection.	
	• Covering of loaded truck leaving the site was checked during the site	
	inspection. No uncovered truck leaving the construction site was	
	observed without cover.	

	Name	Signature	Date
Recorded by	Grace Wong	Como	13 February 2008
Checked by	Dr. Priscilla Choy	hão	14 February 2008

Checklist Reference Number	80213-LCKV-TCSS	
Date	13 February 2008 (Wednesday)	
Time	10:30 - 10:40	

Ref. No.	Non-Compliance	Related Item No.
_	None identified	-

Ref. No.	Remarks/Observations	Related Item No.
	A. Water Quality	
	• No environmental deficiency was identified during the site inspection.	
	B. Air Quality	
	• No environmental deficiency was identified during the site inspection.	
	C. Noise	
	• No environmental deficiency was identified during the site inspection.	
	D. Waste / Chemical Management	
	• No environmental deficiency was identified during the site inspection.	
	E. Permit / Licenses	
	• No environmental deficiency was identified during the site inspection.	
	F. Others	
	• Follow-up for previous audit session (Ref. No.: 80102-LCKV-TCSS), no	
	environmental deficiency was identified during the site inspection.	

	Name	Signature	Date
Recorded by	Grace Wong	One	13 February 2008
Checked by	Dr. Priscilla Choy	10	14 February 2008

Checklist Reference Number	80220-LCKV	
Date	20 February 2008 (Wed)	
Time	14:45 - 15:45	

Ref. No.	Non-Compliance	Related Item No.
-	None identified	-

Ref. No.	Remarks/Observations	Related Item No.
	A. Water Quality	
	• No environmental deficiency was identified during the site inspection.	
	 B. Air Quality No environmental deficiency was identified during the site inspection. C. Noise 	
	 No environmental deficiency was identified during the site inspection. 	
O01	 D. Waste / Chemical Management General refuse was observed blocking the U-channel at R2. The Contractor was advised to clear it. 	A14,E1i
	E. Permit / Licenses	
	• No environmental deficiency was identified during the site inspection.	
	F. Others	
	 Follow-up on previous audit (Ref. No.:80213-LCKV), no environmental deficiency has been identified. 	
	• Covering of loaded truck leaving the site was checked during the site	
	inspection. No uncovered truck leaving the construction site was	
	observed without cover.	

	Name	Signature	Date
Recorded by	Robert Tsang	Thing	20 February 2008
Checked by	Dr. Priscilla Choy	NFL	20 February 2008

Checklist Reference Number	80227-LCKV
Date	27 February 2008 (Wed)
Time	09:15 - 10:00

Ref. No.	Non-Compliance	Related Item No.
-	None identified	_

Ref. No.	Remarks/Observations	Related Item No.
O01	<i>A. Water Quality</i>Ponding water was still observed at the blocked U-channel at R2. The	B1,B14
	Contractor was advised to dry it out.	51,511
	B. Air Quality	
	• No environmental deficiency was identified during the site inspection.	
	C. Noise	
	• No environmental deficiency was identified during the site inspection.	
	D. Waste / Chemical Management	
O02	• General refuse was observed accumulated at R2. The Contractor was reminded to clear it regularly.	Eli,Eliii
ļ	E. Permit / Licenses	
	• No environmental deficiency was identified during the site inspection.	
	F. Others	
	• Follow-up on previous audit (Ref. No.:80220-LCKV), the environmental	
	deficiency of item no. 80220-LCKV-O01 was not rectified. Follow-up	
	action is needed for the outstanding item.	
1	• Covering of loaded truck leaving the site was checked during the site	
	inspection. No uncovered truck leaving the construction site was	
l	observed without cover.	

	Name	Signature	Date
Recorded by	Robert Tsang	. Tring	27 February 2008
Checked by	Dr. Priscilla Choy	wit-	27 February 2008

APPENDIX J EVENT ACTION PLANS

Appendix J - Event Action Plans

Event/Action Plan for Air Quality

EVENT	ACTION			
EVENT	ET	IEC	ER	Contractor
ACTION LEVEL				
1. Exceedance for one	1. Identify source	1. Check monitoring data submitted by ET	1. Notify Contractor	1. Rectify any unacceptable practice
sample	2. Inform ER & IEC	2. Check Contractor's working methods	2. Check monitoring data and Contractor's	2. Amend working methods if
	3. Repeat measurement to confirm finding		working methods	appropriate
	4. Increase monitoring frequency to daily			
2. Exceedance for two or	1. Identify source	1. Checking monitoring data submitted by	1. Confirm receipt of notification of failure	1. Submit proposals for remedial
more consecutive samples	2. Inform ER & IEC	ET	in writing	actions to ER within 3 working days
	3. Repeat measurement to confirm findings	2. Check Contractor's working methods	2. Notify Contractor	of notification
	4. Increase monitoring frequency to daily	3. Discuss with ET and Contractor on	3. Check Contractor's working methods	2. Implement the agreed proposals
	5. Discuss with ER & for remedial actions	possible remedial measure	4. Discuss with ET, IEC and Contractor on	3. Amend proposal if appropriate
	required	4. Advise the ER & ET on the effectiveness	proposed remedial actions	
	6. If exceedance continues, arrange	of the proposed remedial measures	5. Ensure remedial actions properly	
	meeting with ER & IEC	5. Supervise the implementation of the	implemented	
	7. If exceedance stops, cease additional	remedial measures		
	monitoring			
LIMIT LEVEL				
1. Exceedance for one	1. Identify source	1. Checking monitoring data submitted by	1. Confirm receipt of notification of failure	1. Take immediate action to avoid
sample	2. Inform ER & IEC and EPD	ET	in writing	further exceedance
	3. Repeat measurement to confirm finding	2. Check Contractor's working methods	2. Notify Contractor	2. Submit proposals for remedial
	4. Increase monitoring frequency to daily	3. Discuss with ET and Contractor on	3. Check Contractor's working methods	actions to ER within 3 working days
	5. Assess effectiveness of Contractor's	possible remedial measure	4. Discuss with ET, IEC and Contractor on	of notification

EVENT		ACTION			
EVENI	ET	IEC	ER	Contractor	
	remedial actions and keep EPD and ER &	4. Advise the ER & ET on the effectiveness	proposed remedial actions	3. Implement the agreed proposals	
	IEC informed of the results	of the proposed remedial measures	5. Ensure remedial actions properly	4. Amend proposal if appropriate	
		5. Supervise the implementation of the	implemented		
		remedial measures			
2. Exceedance for two or	1. Identify source	1. Checking monitoring data submitted by	1. Confirm receipt of notification of failure	1. Take immediate action to avoid	
more consecutive samples	2. Inform ER, IEC, Contractor and EPD	ET	in writing	further exceedance	
	the cause & actions taken for the	2. Discuss amongst ER, ET and Contractor	2. Notify Contractor	2. Submit proposals for remedial	
	exceedances	on possible remedial measures	3. Carry out analysis of Contractor's	actions to IEC, ER within 3 working	
	3. Repeat measurement to confirm findings	3. Review Contractor's remedial measures	working procedures to determine possible	days of notification	
	4. Increase monitoring frequency to daily	whenever necessary to ensure their	mitigation to be implemented	3. Implement the agreed proposals	
	5. Investigate the causes of exceedance	effectiveness and advise the ER	4. Discuss amongst ET, IEC and the	4. Resubmit proposals if problem	
	6. Carry out analysis of contractor's	accordingly	Contractor on proposed remedial actions	still not under control	
	working procedures to determine possible	4. Supervise the implementation of the	5. In consultation with IEC, agree with the	5. Stop the relevant portion of works	
	mitigation to be implemented.	remedial measures	contractor remedial measures to be	as determined by the ER until the	
	7. Arrange meeting with EPD, IEC and ER		implemented	exceedance is abated	
	to discuss the remedial actions to be taken		6. Ensure remedial measure are properly		
	8. Assess effectiveness of Contractor's		implemented		
	remedial actions and keep EPD and ER &		7. If exceedance continues, consider what		
	IEC informed of the results		portion of the work is responsible and		
	9. If exceedance stops, cease additional		instruct the Contractor to stop that portion		
	monitoring		of work until the exceedance is abated		

Event/Action Plan for Construction Noise

Exceedance		ACTIO	N	
Litecounie	ET	.IEC	ER	Contractor
Action Level	1. Discuss with the IEC and ER and seek to	1. Review the analyzed results submitted	1. Confirm receipt of notification of	1. Submit proposals for remedial
	identify potential noise source	by the ET	complaint and notify Contractor	actions to ER within three working
			immediately	days of notification
	2. Undertake noise measurement to	2. Review the proposed remedial measures	2. Check monitoring data trends and	2. Amend proposals if required by
	confirm the validity of complaint	by the Contractor and advise the ER & ET	Contractor's working methods	the Engineer
		accordingly		
	3. Inform ER&IEC in writing	3. Supervise the implementation of	3. Remind the Contractor of his contractual	3. Implement the remedial actions
	Discuss remedial actions required with	remedial measures	obligations and discuss with ET, IEC and	immediately upon instruction
	ER&IEC if an exceedance is recorded		Contractor on proposed remedial actions	
	4. Increase monitoring frequency to		4. Assess the efficacy of remedial actions	4. Liaise with the ER to optimize the
	demonstrate efficacy of remedial measures		and keep the Contractor informed	effectiveness of the agreed
				mitigation
	5. If exceedance continues, meet with		5. Inform complainant of actions taken	5. Amend proposal if appropriate
	ER&IEC to review implementation of			
	appropriate mitigation measures.			
	6. If exceedance stops, cease additional			
	monitoring			

Exceedance		ACTION			
	ET	IEC	ER	Contractor	
Limit Level	1. Repeat measurement to confirm findings	1. Check monitoring data submitted by ET	1. Confirm receipt of notification of	1. Take immediate action to avoid	
			exceedance and notify Contractor	further exceedance	
	2. Investigate the cause of the exceedance	2. Review Contractor's remedial actions to	2. Check monitoring data trends and	2. Submit proposals for remedial	
	and identify the main source(s) of impact	assure their effectiveness and advise the	Contractor's working methods	actions to ER immediately not more	
		ER &ET accordingly		than 3 working days of notification	
	3. Inform ER&IEC and EPD in writing	3. Supervise the implementation of the	3. Discuss with ET, IEC and Contractor on	3. Amend proposals if required by	
		remedial measures	proposed remedial actions to be	the ER	
			implemented		
	4. Discuss remedial actions required with		4. Assess the efficacy of remedial actions	4. Implement remedial actions	
	ER&IEC		and keep the Contractor informed	immediately upon instruction	
	5. Increase monitoring frequency to		5. If exceedance continuous, consider what	5. Liaise with the ER to optimize the	
	demonstrate efficacy of remedial measures		portion of the work is responsible and	effectiveness of the agreed	
			instruct the Contractor to stop that portion	mitigation	
			of work until the exceedance is aborted		
	6. Assess efficacy of remedial actions and			6. Resubmit proposals if problem	
	keep ER & IEC informed of the results			still not under control	
	7. If exceedance continues, meet with			7. Stop the relevant portion of works	
	ER&IEC to identify appropriate mitigation			as determined by the ER until the	
	measures			exceedance is aborted	
	8. If exceedance stops, cease additional				
	monitoring				

APPENDIX K ENVIRONMENTAL MITIGATION IMPLEMENTATION SCHEDULE (EMIS)

Гуреs of Impacts	Mitigation Measures	Status				
_	• Any stockpile of dusty materials or stockpile of dusty material should be covered entirely by impervious sheeting or sprayed with water so as to maintain the entire surface wet.	*				
	• A stockpile of dusty materials should not extend beyond the pedestrian barriers, fencing or traffic cones.	^				
	• Vehicle washing facilities should be provided at every exit point.	^				
	• The area where vehicle washing takes place and the section of the road between the washing facilities and the exit point should be paved with concrete, bituminous materials or hardcores.	^				
	• Where a site boundary adjoins a road, street, service lane or other area accessible to the public, hoarding of not less than 2.4m high from ground level should be provided along the entire length of that portion of the site boundary except for a site entrance or exit.	٨				
Construction Dust	• Every main haul road should be sprayed with water or a dust suppression chemical so as to maintain the entire road surface wet.	۸				
Dust	• The portion of any road leading only to a construction site that is within 30m of a discernible or designated vehicle entrance or exit should be kept clear of dusty materials.	۸				
	• Any stockpile of dusty materials should be either covered entirely be impervious sheeting, placed in an area sheltered on the top and the 3 sides or sprayed with water or a dust suppression chemical so as to maintain the entire surface wet.	*				
	• All dusty materials should be sprayed with water or a dust suppression chemical immediately prior to any loading, unloading or transfer operation so as to maintain the dusty materials wet.	۸				
	• Every vehicle should be washed to remove any dusty materials from its body and wheels immediately before leaving a construction site.	۸				
	• The working area of any excavation should be sprayed with water or a dust suppression chemical immediately before, during and immediately after the operation so as to maintain the entire surface wet.	^				
	• Only well-maintained plant should be operated on –site and plant should be serviced regularly during the construction works.	^				
	• Machines and plant that may be in intermittent use should be shut down between work periods or should be throttled down to a minimum.	۸				
	• Plant know to emit noise strongly in one direction, should where possible, be orientated to direct noise away from the NSRS.	^				
Construction	• Mobile plant should be sited as far away from NSRs as possible.	^				
Noise	 Material stockpiles and other structures should be effectively utilised, where practicable, to screen noise from on-site construction activities. 					
	Use quite plant and Working Method	۸				
	• Reduce the number of plant operating in critical areas close NSRs.	^				
	Construct temporary and movable noise barriers	^				

Appendix K - Summary of Environmental Mitigation Implementation Schedule

Water Quality	Construction Runoff and Drainage	
	• Use of sediment traps and the adequate maintenance of drainage systems to prevent flooding and overflow.	^
	• Boundaries of critical areas of earthworks should be marked and surrounded by dykes or embankments for flood protection. Temporary ditches should be provided to facilities runoff discharge into the appropriate watercourses, via a silt retention pond. Permanent drainage channels should incorporate sediment basins or traps and baffles to enhance deposition rates.	^
	• All temporary and permanent drainage pipes and culverts provided to facilitate runoff discharge should be adequately designed for the controlled release of storm flows. All sediment traps should be regularly cleaned and maintained. The temporarily diverted drainage should be reinstated to its original condition when the construction works has finished or the temporary diversion is no longer required	^
	• Sand silt in the wash water from the wheel washing facilities, which ensure no earth, mud and debris is deposited on roads, should be settled out the removed before discharging into storm drains. A section of the road between the wheel washing bay and the public road should be paved with backfill to prevent wash water or other site runoff form entering public road drains.	^
	• Oil interceptors should be provided in the drainage system and regularly emptied to prevent the release of oils and grease into the storm water drainage system after accidental spillage. The interceptor should have a bypass to prevent flushing during periods of heavy rain.	N/A
	• Catchpits and perimeter channels shall be constructed in advance of site formation works and earthworks.	۸
	• Silt removal facilities, channels and manholes shall be suitably maintained with the deposited silt and grit being removed at least once a week, and at the onset of and after each rainstorm to ensure that these facilities are functioning properly at all times.	^
	• Earthworks final surfaces shall be well compacted and the subsequent permanent work or surface protection shall be carried out immediately after the final surfaces are formed to prevent erosion caused by rainstorms. Appropriate intercepting channels shall be provided along the site boundary or at the locations agreed with the ET Leader. Rainwater pumped out from trenches or foundation excavations shall be discharged into silt removal facilities before discharge into storm drains.	^
	• All generators, fuel and oil storage shall be within bunded areas. Drainage from the areas shall be connected to storm drains via a petrol interceptor.	^
	Tunnelling Work	-
	• Temporary open storage of excavated materials should be covered with tarpaulin or similar fabric during rainstorms. Any washout of construction or excavated materials form the drill and blast tunnelling work should be diverted to the drainage system via appropriate sediment traps.	N/A
	• Ground water pumped out of tunnels should be discharged into the drainage channels which incorporated sediment traps to enhance deposition rates and to remove silt.	N/A
	• Spend grouts used in diaphragm wall construction should be collected in a separate slurry collection system, reconditioned and reused wherever practicable. The disposal of used grouting materials will only be permitted if it is treated to the TM standards before discharge to the storm drains or disposal to landfill.	N/A
<u> </u>	General Construction Activities	

	• Debris and rubbish on site should be collected, handled and disposed of properly to avoid entering the water column and cause water quality impacts.	۸
	• All fuel tanks and storage areas will be provided with locks and be located on sealed areas (within bunds of a capacity equal to 110% of the storage capacity of the largest tank or 20% by volume of the fuel stored in that areas, whichever in the greatest).	^
	Sewage Effluent	
	• Construction work force sewage discharges form fixed toilet facilities on-site should be connected to the nearby existing trunk sewer wherever feasible. However, for areas where existing trunk sewer is not available, it is recommended that appropriate and adequate on site portable chemical toilets should be provided by a licensed contractor who will be responsible for appropriate disposal and maintenance of these facilities.	^
	• It is considered that sewage discharges could also be treated by on-site septic tanks and soakaway. Minimum clearance away form streams and catchments and other requirements for the proposed septic tank and soakaway should be referred to EPD's Practice Note for Professional Persons, Drainage Plans.	N/A
Waste	General	
	• Training and instruction shall be given at a site to construction staff to increase awareness and draw attention to waste management issues and the need to minimise waste generation. The training requirement shall be included in the site waste management plan.	^
	Storage, Collection and Transportation of Waste	
	• Wastes shall be handled and stored in a manner to ensure that they are held securely without loss or leakage.	٨
	• Authorised or licensed waste hauliers shall be used and they shall only collect wastes prescribed by their permits.	۸
	• Waste shall be removed on a daily basis.	Λ
	• Waste storage area shall be maintained and cleaned on a daily basis.	۸
	• Windblown litter and dust during transportation shall be minimised by either covering trucks or transporting wastes in enclosed containers.	^
	• Obtain necessary waste disposal permits from the appropriate authorities if they are required.	۸
	• Wastes shall be disposed of at licensed waste disposal facilities.	۸
	• Develop procedure such as ticketing system to facilitate tracking of loads, particularly for chemical waste, and to ensure that illegal disposal of wastes does not occur.	^
	Maintain records of the quantities of wastes generated, recycled and disposed.	۸
	Surplus Excavated Materials	
	• Due to the high risk of loose material being washed into the existing nullah, stockpile materials should be properly compacted and covered from water erosion and located at least 10m away from the nullah wall.	۸
	Construction and Demolition (C&D) Waste	
	Careful design, planning and good site management shall be adopted to minimise over-ordering and generation of waste materials such as concrete grouts.	^
	 The handling and disposal of bentonite slurries shall be undertaken in accordance with Practice Note for Professional Persons – Construction Site Drainage (ProPECC PN 1/94) on construction site drainage. 	N/A

• Construction and demolition (C&D) material shall be segregated to inert and non-inert parts. The inert portion shall re-used at areas of reclamation or land formation, or to public filling area shall such allocation is deemed necessary. The non-inert portion shall be disposed of to landfill.	۸
Chemical Waste	
• Chemical waste that is produce during construction shall be handled in accordance with the Cod of Practice on the Packaging, Handling and Storage of Chemical Wastes.	^
 Containers used for the storage of chemical wastes should: a. Be suitable for the substance they are holding, resistant to corrosion, maintained in a good condition, and securely closed; b. Have a capacity of less than 450 litres unless the specifications have been approved by the EPD; c. Display a label in English and Chinese in accordance with instructions prescribed in Schedule 2 of the Chemical Waste Regulations. 	٨
 The storage area for chemical wastes should: a. Be clearly labelled and used solely for the storage of chemical waste; b. Be enclosed on at least 3 sides; c. 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 the area, whichever is largest; d. Have adequate ventilation; e. Be covered to prevent rainfall entering (water collected within the bund must be tested and disposed as chemical waste if necessary); f. Be arranged so that incompatible materials are adequately separated. Disposal of chemical waste shall be via a licensed waste collector; and to a facility licensed to receive chemical waste; or a 	٨
reuser of the waste (under approval from EPD).	۸
General Refuse	
 General refuse generated on-site shall be stored in enclosed bins or compaction unit separate from C&D and chemical wastes. A reputable waste collector shall be employed by the contractor to remove general refuse from the site, separately from C&D and chemical wastes, on a daily for every second day basis to minimise odour, pest and litter impacts. The burning of refuse on construction sites is prohibited by law. 	*
• Reusable rather than disposable dishware shall be used if feasible.	^

	• A sediment barrier shall be erected to minimize stream sedimentation at downstream of the project boundary of the Toll Plaza.	N/A
	Conduct a tree survey before commencement of the construction work.	^
Faalaay	• All measures recommended in the approved landscape proposals under Condition 2.4 in EP above shall be fully implemented in accordance with the details and time schedule set out in the submission.	^
Ecology	• Loss of the adjacent woodland due to temporary land take shall be returned to the original status immediately.	N/A
	• Wild and uncontrolled fire shall be strictly prohibited	^
	• Fences shall be erected along the boundary of the construction sites at the Toll Plaza before commencement of works, to prevent tipping, vehicle movements, and encroachment of personnel onto adjacent wooded areas.	N/A
	• Landscape mitigation measure 1 (LMM1) – Construction programming and management. The periphery of the works areas at street level shall be managed so that they do not appear cluttered, untidy and unattractive and inconvenient to pedestrians. For example, all hoarding shall be colorfully designed with interesting motifs demonstrating the work of Highways Department. Hoardings with bland colours shall be avoided.	^
Landscape and Visual Impact	• Landscape mitigation measure 2 (LMM2) – Advanced planting and erosion control works. Where possible, the transplantation of existing valuable trees, the stockpiling of topsoil, new planting and erosion control works shall be carried out as early as possible in the construction period instead of at the end. This will assist in maximizing the time for carrying out transplantation and new planting, resulting in a higher success rate for the survival of transplantation and new planting, resulting in a higher success rate for the establishment of new screen trees. The stockpiling of topsoil will provide an abundant use of on-site material for growing media. During detailed design, the issue of stockpiling of topsoil in a manner that would avoid washing into the drainage scheme should be examined comprehensively.	۸
	Measurement of vibration would also be carried out on a need basis during the piling work	^
Remarks:	[^] Compliance of mitigation measure; X Non-compliance of mitigation measure;	

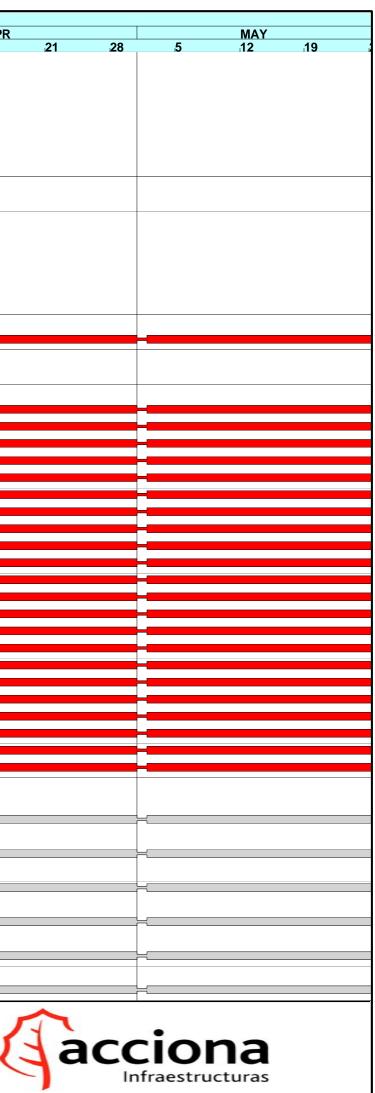
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Compliance of mitigation measure; Not Applicable; N/A

Non-compliance of mitigation measure; Non-compliance but rectified by the contractor

APPENDIX L CONSTRUCTION PROGRAMME

Activity	Activity	Oria	Forly	Farly	0/	Dom							2008	
Activity ID	Description	Orig. Durn.	Early Start	Early Finish	% Compl.	Rem Durn		FEB	A	MAR				APR
	ries & General Requirments	Darm	Otart	Thion	compi	19 ann	18	3 25	3 10	17	24	,31	7	14
Key Dates	nes a General Requirments													
KD1050	KD-5: Completion of Section 3 of the Works	0		27FEB08*	0	0		♦ κι	D1050					
KD1060	KD-6: Completion of Section 4 of the Works	0		23FEB08*	0	0		♦ KD1060						
KD1070	KD-7: Completion of Section 5 of the Works	0		22FEB08*	0	0		♦ KD1070						
KD1080	KD-8: Completion of Section 6 of the Works	0		22FEB08*	0	0		♦ KD1080						
KD1170	KD-17: Completion of Section 15 of the Works	0		19FEB08*	0	0		•KD1170						
Portion Ac	cess Dates													
PD1140	Access to Portion F1 (NOT USED)	0	20FEB08*		0	0		◆PD1140						
Portion Vac	cate Dates													
VD1000	Vacate Portion A	0		21MAR08*	0	0					◆VD1000			
VD1010	Vacate Portion B	0		21MAR08*	0	0					VD1010			
VD1110	Vacate Portion F1	0		19FEB08*	0	0		VD1110						
VD1120	Vacate Portion F2	0		19FEB08*	0	0		VD1120						
VD1130	Vacate Portion F3	0		19FEB08*	0	0		◆VD1130						
Initial Subn		0.07	000000000		80	100								
SU1075	Continuous Upating of Works & 3 Month Progs	927	09OCT03A	25JUN08	89	106	F							
TW1370	Femporary Works Design Temp Works Feature11NW-A/C66 (NOT USED)	24	20FEB08	18MAR08	0	24				г	W1370			
	& Instrumentation - Existing Features	24	201 200	TOMARUO	0	24				J	1010			
IM1005	Monitoring @ Sewage Pumping Station	1,301*	01MAR04A	25JUN08	18	106*	-							
IM1008	Monitoring @ Open Storage	1,300*	02MAR04A	25JUN08	18	106*								
IM1015	Monitoring @ PCCW Building	1,301*	01MAR04A	25JUN08	18	106*								
IM1025	Monitoring in @ Existing Footbridge	1,297*	05MAR04A	25JUN08	17	106*								
IM1035	Monitoring @ W. Chandler Bldg.	1,296*	06MAR04A	25JUN08	17	106*								
IM1045	Monitoring @ Tong Yuen Factory Bdlg	1,298*	04MAR04A	25JUN08	18	106*								
IM1055	Monitoring @ LCK Off-take Station	1,298*	04MAR04A	25JUN08	18	106*								
IM1065	Monitoring @ Hop Hing Ind. Bldg.	1,298*	04MAR04A	25JUN08	18	106*								
IM1075	Monitoring @ KC Rd. Flyover Str. K3	1,274*	01APR04A	25JUN08	15	106*								
IM1085	Monitoring @ CLP Link Station	1,298*	04MAR04A	25JUN08	18	106*								
IM1095	Monitoring @ LCK Reception Ctr.	1,260*	19APR04A	25JUN08	14	106*								
IM2005	Monitoring @ LCKP Indoor Games Hall	1,283*	22MAR04A	25JUN08	16	106*	_							
IM2015 IM2025	Monitoring @ LCK Public Library Monitoring @ Mei Foo Sun Chuen	1,278* 1,277*	27MAR04A 29MAR04A	25JUN08 25JUN08	16	106* 106*		-						
IM2025 IM2035	Monitoring @ CLP Lai Chi Kok Sub-Station	1,277*	29MAR04A 29MAR04A	25JUN08	17	106*								
IM2035	Monitoring @ CLP Pylon A	1,260*	19APR04A	25JUN08	14	106*								
IM2065	Monitoring @ Nob Hill Development	1,283*	22MAR04A	25JUN08	16	106*								
IM2075	Monitoring @ Lai Wan Road Overpass	1,229*	26MAY04A	25JUN08	10	106*								
IM2085	Monitoring @ CLP H/ways Structure K40C	1,274*	01APR04A	25JUN08	15	106*								
IM2095	Monitoring @ CLP H/ways Structure K2	1,274*	01APR04A	25JUN08	15	106*						_		
IM2105	Monitoring @ CLP H/ways Structure K116	1,277*	29MAR04A	25JUN08	15	106*		-						
IM2135	Monitoring @ Along Lai Wan Road	1,260*	19APR04A	25JUN08	15	106*		-						
Monitoring	& Instrumentation - New Works													
IM3010	Install Instrumentation @ Cut Slope CCR-S1	12	20FEB08	04MAR08	0	12			IM3010					
IM3015	Monitoring @ Cut Slope CCR-S1	106*	20FEB08	25JUN08	0	106*								
IM3020	Install Instrumentation @ Cut Slope CCR-S2	12	20FEB08	04MAR08	0	12			IM3020					
IM3025	Monitoring @ Cut Slope CCR-S2	106*	20FEB08	25JUN08	0	106*								
IM3030	Install Instrumentation @ Cut Slope CCR-S3	12	20FEB08	04MAR08	0	12		-	IM3030					
IM3035	Monitoring @ Cut Slope CCR-S3	106*	20FEB08 20FEB08	25JUN08	0	106*			IM3040					
IM3040 IM3045	Install Instrumentation @ Cut Slope CCR-S4 Monitoring @ Cut Slope CCR-S4	12 106*	20FEB08 20FEB08	04MAR08 25JUN08	0	12 106*								
IM3045	Install Instrumentation @ Cut Slope CCR-S5	12	20FEB08	04MAR08	0	100			IM3050					
IM3055	Monitoring @ Cut Slope CCR-S5	106*	20FEB08	25JUN08	0	106*	1							
IM3060	Install Instrumentation @ Cut Slope CCR-S6	12	20FEB08	04MAR08	0	12	-		IM3060					
IM3065	Monitoring @ Cut Slope CCR-S6	106*	20FEB08	25JUN08	0	106*								
Start Date	· · · · · · · · · · · · · · · · · · ·	_	23SEP03	P3 File : LU	53		_	•	1			Sh	neet 1 of 6	
Finish Date Data Date			25JUN09 20FEB08				H		tment Contract No		/01			
Run Date			27FEB08 17:46						- Lai Chi Kok Viad					1
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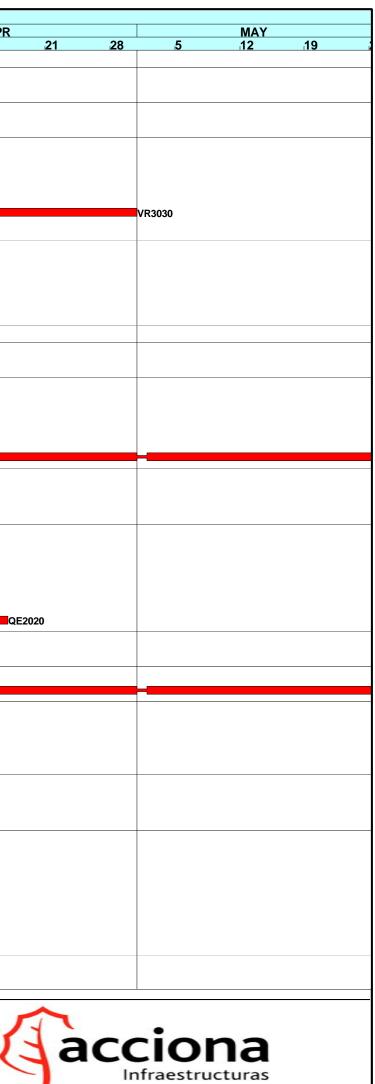


Activity	Activity	Orig.	Early	Early	%	Rem								200	
ID	Description	Durn.	Start	-	Compl.		40	FEB	2	10	MAR	24		.7	
IM3080	Install Instrumentation @ Slope 11NW-A/C26	12	20FEB08	04MAR08	0	12	18	25	.3 IM3080	10	17	24	,31	I	7 14
IM3085	Monitoring @ Slope 11NW-A/C26	106*	20FEB08	25JUN08	0	106*	1								-
IM3110	Install Instrumentation @ Slip Road A Embankment	12	20FEB08	04MAR08	0	12			IM3110						
IM3115	Monitoring @ Slip Road A Embankment	106*	20FEB08	25JUN08	0	106*									-
IM3120	Install Instrumentation @ Slip Road B Embankment	12	20FEB08	04MAR08	0	12			IM3120						
IM3125	Monitoring @ Slip Road B Embankment	106*	20FEB08	25JUN08	0	106*								L	_ _
IM3130	Install Instrumentation @ Piers P1 to P6	12	20FEB08	04MAR08	0	12	1		IM3130						
IM3135	Monitoring @ Piers P1 to P6	106*	20FEB08	25JUN08	0	106*	1								
IM3140	Install Instrumentation @ Piers P7 to P10	12	20FEB08	04MAR08	0	12			IM3140						
IM3145	Monitoring @ Piers P7 to P10	106*	20FEB08	25JUN08	0	106*									
IM3150	Install Instrumentation @ Piers P11 to P15	12	20FEB08	04MAR08	0	12			IM3150						
IM3155	Monitoring @ Piers P11 to P15	106*	20FEB08	25JUN08	0	106*								r	
IM3160	Install Instrumentation @ Piers P16 to P18	12	20FEB08	04MAR08	0	12			IM3160						
IM3165	Monitoring @ Piers P16 to P18	106*	20FEB08	25JUN08	0	106*								r	
IM3170	Install Instrumentation @ Piers P19 to Abut. M	12	20FEB08	04MAR08	0	12			IM3170						
IM3175	Monitoring @ Piers P19 to Abut. M	106*	20FEB08	25JUN08	0	106*									
IM3180	Install Instrumentation @ Piers on Slip Road A	12	20FEB08	04MAR08	0	12			IM3180						
IM3185	Monitoring @ Piers on Slip Road A	106*	20FEB08	25JUN08	0	106*									4
IM3190	Install Instrumentation @ Piers on Slip Road B	12	20FEB08	04MAR08	0	12			IM3190						
IM3195	Monitoring @ Piers on Slip Road B	106*	20FEB08	25JUN08	0	106*								F	1
IM3200	Install Instrumentation @ Piers on Slip Road C	12	20FEB08	04MAR08	0	12	-		IM3200						
IM3205	Monitoring @ Piers on Slip Road C	106*	20FEB08	25JUN08	0	106*	_								ī
IM3210	Install Instrumentation @ Piers on Slip Road D	12	20FEB08	04MAR08	0	12	-		IM3210						
IM3215	Monitoring @ Piers on Slip Road D	106*	20FEB08	25JUN08	0	106*								r	
Procurem	ient														
Signage			1	1	1										
SG2000	Signage - Award of Sub-contract (NOT USED)	0	20FEB08		0	0		♦ SG2000							
SG2010	Signage - Shop Drawings (NOT USED)	50	20FEB08	25FEB08	0	5	-	SG2010							
SG2020	Signage - Rev & Appro of Shop Dwgs. (NOT USED)	24	26FEB08	24MAR08	0	24						SG20	20		
	Lighting (NOT USED)														
HM1000	High Mast Lighting -Foundation Design (NOT USED)	48	20FEB08	16APR08	0	48	-								l
HM1100	High Mast Lighting Design & Shop Dwgs (NOT USED)	48	19MAR08	15MAY08	0	48								r	
	Main Line - Piers PA to P6														
	Superstructure Finishing Works		1	1	-1	1									
MF1080	PA to P6 - Road Marking & Traffic Signage	3	06FEB08A	21FEB08	30	2		MF1080							
MF1090	P6 - Landscaping - Planting On Viaduct	10	17JAN08A	20FEB08	90	1		MF1090							
MF1100	P6 - Landscape Establishment Works on Viaduct	301	21FEB08	19FEB09	0	301									
Viaduct -	Slip Road A														
Remaining	Superstructure Finishing Works														
AF1070	Slip Rd. A - Viaduct Road Lighting (by Others)	12	20FEB08	04MAR08	0	12			AF1070						
AF1080	Slip Rd. A - Road Marking & Traffic Signage	8	06FEB08A	27FEB08	15	7		AF10	80						
Viaduct -	Slip Road B														
Remaining	Superstructure Finishing Works														
BF1080	Slip Rd. B - Road Marking & Traffic Signage	4	04FEB08A	22FEB08	25	3		BF1080							
BF1085	Slip Rd. B - Viaduct Road Lighting (by Others)	12	20FEB08	04MAR08	0	12			BF1085						
At Grade	Works - Lai Po Road														
Lai Po Roa	d (D3) Roadworks - Stage 1														
WR1250	Lai Po Rd N/B Ch.1+250-1+360 -Utilities NOT USED	12	20FEB08	04MAR08	0	12			WR1250	1					
Lai Po Roa	d (D3) Roadworks - Stage 4														
WR2150	Lai Po Rd S/B Ch.1+000 - 1+360 -Marking & Signs	6	20FEB08	26FEB08	0	6	1	WR215	0						
WR1030	Lai Po Rd N/B Ch.0+946 - 1+250- Utilities	26	20FEB08	20MAR08	0	26	1					WR1030			
WR1160	Lai Po Rd N/B Ch.0+946 - 1+360 - Marking & Signs	12	21JAN08A	03MAR08	10	11			WR1160						
High Mast I	Lighting (NOT USED)														
WR3000	H/M Lighting (3 No. Mast) - Found's (NOT USED)	24	20FEB08	18MAR08	0	24	1				WF	R3000			
Start Date		· · · · · · · · · · · · · · · · · · ·	23SEP03	P3 File : LU5	53		-	-					Sh	eet 2 of 6	
Finish Date Data Date			25JUN09 20FEB08				Hi	ghways Departn)1			
Run Date			27FEB08 17:46						Lai Chi Kol						1
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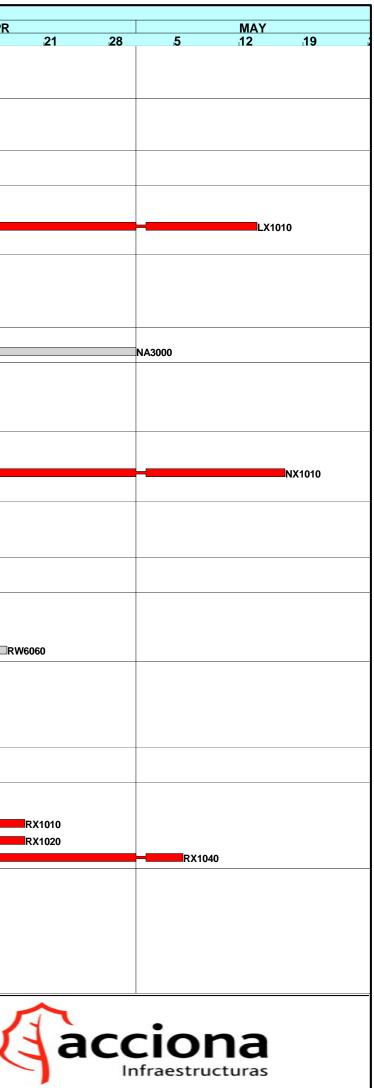
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Activity	Activity	Orig.	Early	Early	%	Rem		FEB	2008 MAR APR MAY
ID	Description	Durn.	Start		Compl			25	3 10 17 24 31 7 14 21 28 5 12 19
WR3010	H/MLighting (3 No. Mast) -Erect Masts (NOT USED)	12	19MAR08	01APR08	0	12			WR3010
	d Fire Hydrant Pump House								
WH1020	Lai Po Rd. F/H P/House -Waterproofing (NOT USED)	12	20FEB08	04MAR08	0	12			WH1020
		1.10	40101/074	00140.000	50	00			
WX1000	Landscaping - Earthworks & Formation	140	10NOV07A	22MAR08	50	28			WX1000 WX1018
WX1018	Landscaping - Paving	120	14NOV07A	31MAR08	30	35		_	WX1018
WX1020 WX1030	Landscaping Irrigation System (NOT USED)	24	29FEB08 11SEP07A	27MAR08 04MAR08	0	24			WX1020
WX1030 WX1040	Landscaping - Power Supply & Lighting Landscaping - Planting	24 24	04JAN08A	17MAR08	50 3	12 23			WX1030
WX1040	Landscape Establishment Works	24	18MAR08	13MAR09	0	298			WX1050
		230	TOMAROO	TOMAROS		230			
	Main Line - Piers P7 to P10								
	Superstructure Finishing Works	0	45 14 100 4	25FEB08	10	5		MF2080	
MF2080 MF2090	P7 to P10 - Road Marking & Traffic Signage P7 to P10 - Landscaping - Planting 0n Viaduct	8	15JAN08A 05JAN08A	20FEB08	40 84	5		MF2090	
MF2090	P7 to P10 - Landscape Establish Works on Viaduct	301	21FEB08	19FEB09	0	301		INII 2030	
		301	ZIILD00		0	501			
	Norks - Lai Chi Kok Interchange								
	Traffic Management Schemes	0.05	00 11 10 - 1		-	0.1+			
MT1440	3rd. TTMS Butterfly Valley Rd - Implementation	235*	03JUN07A	14MAR08	0	21*			
MT2140	TTMS for Pier P8/L - Implementation	1,218*	23FEB04A	10MAR08	29	17*			MT2140
MT3140	2nd. TTMS Kom Tsun Street - Implementation	176*	20SEP07A	22APR08	0	53*	— L		MT3200
MT3200 MT3210	3rd. TTMS Kom Tsun Street - Prepare for Review 3rd. TTMS Kom Tsun Street - CRE Endorsement	12	20FEB08 05MAR08	04MAR08 11MAR08	0	12 6	- 「		MT3210
MT3210 MT3220	3rd. TTMS Kom Tsun Street - CRE Endorsement 3rd. TTMS Kom Tsun Street - Roadworks Advice	6	12MAR08	11MAR08 18MAR08	0	6	+		MT3220
MT3230	3rd. TTMS Kom Tsun Street - Site Preparation	28	19MAR08	21APR08	0	28			MT3230
Utilities & F	•	20	1010// (1000	21/11/100	Ū	20			
SR2000	Castle Peak Road - Roadworks Reinstatement	17	20FEB08	10MAR08	0	17	-		SR2000
SR5040	Butterfly V. Rd (LCKI) Stage 1 - Street Lighting	4	20FEB08	23FEB08	0	4	-	SR5040	
SR5060	Butterfly V. Rd (LCKI) Stage 1 - Road Marking	4	20FEB08	23FEB08	0	4		SR5060	
SR5240	Butterfly V. Rd (LCKI) Stage 2 - Street Lighting	4	25FEB08	28FEB08	0	4		s	SR5240
SR5250	Butterfly V. Rd (LCKI) Stage 2 - Road Marking	4	25FEB08	28FEB08	0	4		S	SR5250
SR5300	Butterfly V. Rd (LCKI) Stage4-Excav. & Formation	18	26DEC07A	29FEB08	50	9			SR5300
SR5310	Butterfly V. Rd (LCKI) Stage 4 - Sub-base	18	28DEC07A	05MAR08	40	11			SR5310
SR5320	Butterfly V. Rd (LCKI) Stage 4 - Kerbs	18	21FEB08	12MAR08	0	18			SR5320
SR5330	Butterfly V. Rd (LCKI) Stage 4 - Pavement	6	03JAN08A	10MAR08	40	4			SR5330
SR5340	Butterfly V. Rd (LCKI) Stage 4 - Street Lighting	4	11MAR08	14MAR08	0	4			SR5340
SR5350	Butterfly V. Rd (LCKI) Stage 4 - Road Marking	4	11MAR08	14MAR08	0	4			SR5350
SR3200	Kom Tsun Street Bus Stn Excavate & Formation	18	29NOV07A	04MAR08	40	12	_		SR3200
SR3210	Kom Tsun Street bus Stn Sub-base	18	06DEC07A	11MAR08	35	13			SR3210
SR3220	Kom Tsun Street Bus Stn Kerbs	24	20DEC07A	18MAR08	20	20			SR3220
SR3230	Kom Tsun Street Bus Stn Concrete Pavement	75	10DEC07A	22APR08	30	53			SR3230
SR3000	Kom Tsun Street L/H C/Way - Excavate & Formation	12	20SEP07A	03MAR08	5	11			SR3000
SR3010	Kom Tsun Street L/H C/Way - Sub-base	12	24SEP07A	07MAR08	5	11	_		SR3010 SR3020
SR3020 SR3030	Kom Tsun Street L/H C/Way - Kerbs Kom Tsun Street L/H C/Way - Pavement	18 8	08MAR08 27SEP07A	28MAR08 14MAR08	0	18 8	╶┢┻┛		SR3020
SR3030 SR3035	Kom Tsun Street L/H C/Way - Pavement Kom Tsun Street L/H C/Way - Street Lighting	4	15MAR08	14MAR08 19MAR08	0	4			SR3035
SR3035 SR3040	Kom Tsun Street L/H C/Way - Street Lighting	4	15MAR08	19MAR08	0	4	+		SR3040
	Main Line - Piers P11 to P15			101011100	U	-			
	Superstructure Finishing Works	0	15 14 100 4	23FEB08	50	4		MF3080	
MF3080 MF3090	P11 to P16 - Road Marking & Traffic Signage P11 to P16 - Landscaping - Planting 0n Viaduct	8	15JAN08A 04JAN08A	23FEB08 20FEB08	50 89	4		MF3090	
MF3090 MF3100	P11 to P16 - Landscape Establish W'ks on Viaduct	301	21FEB08	20FEB08 19FEB09	0	301			
	·	301	211 L D U O		U	501			
	Norks - Wai Man Tsuen								
	& Slope Works	0.1	0055500	10040000	-	0.1	- L		VE1060
VE1060	Slope CCR-S5 - Slope Drainage & Finishes	24	20FEB08	18MAR08	0	24			VE1060
Start Date Finish Date			23SEP03 25JUN09	P3 File : LU5	53			_	Sheet 3 of 6
Data Date			20FEB08				Hig		tment Contract No. HY/2003/01
Run Date			27FEB08 17:46						- Lai Chi Kok Viaduct h Rolling Programme
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Activity	Activity	Orig.	Early	Early Einich	% Compl	Rem		FEB MAR APR
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		12	TZIVIARUO	ZOWARUO	U	12	-	
2025		3	19MAR08	21MAR08	0	3	-	VE2025
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1100	U Description Unit Start Plank Compl. Unit Plank Plank Compl. Unit Plank							
ilities & R	0 Description Description File Add							
R3000		24	20FEB08	18MAR08	0	24		VR3000
R3010	Drainage Maintenance Access Rd Sub-base	24	27FEB08	25MAR08	0	24		VR3010
R3020	Drainage Maintenance Access Rd Kerbs	24	05MAR08	01APR08	0	24		VR3020
R3030	Drainage Maintenance Access Rd Pavement	48	05MAR08	30APR08	0	48		
R2140	Butterfly V. Rd (WMT) Stage 3 - Street Lighting	4			50	2		
R2150					-	· ·		
R2210							_	
R2230					-		_	
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					-			
	, , , ,	9	TOWARUO	ZOWARUO	0	9	-	
		18	2655B07A	2655B08	90	6		VH2000
	Observation Name Safe Pinol Complet Johnson () FEB MAR APR APR Safe Cold F-All streaming H-Marcan () 12							
	Description Data Strit Phila Comp. Journal FER MAR A specification A spp							
	Dim Description During Start Pricing Comparison PEB DAT Add Add<							
	UD Description Description PER UD PER UD AR AR AR AR VB Box CHAR & Carlonale Argumants 12 174.46 24.46 0 0 12							
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	D Description Durin Start Piteline Compatibility Description MAR APR APR VII VIII Start Piteline VIII Start Piteline VIII Start Piteline VIIII Start Piteline VIIII Start Piteline VIIII Start Piteline VIIIII Piteline							
	Visite Description Seriet Part of Part Series PERM Damp PERM Damp PERM Damp PERM							
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E2020								
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R1060	1	36	11FEB08A	27MAR08	12	32		QR1060
andscape								
X1100		301	20FEB08	18FEB09	0	301		
iaduct - S	Slip Road C		I	I	-			
	-							
F1058	Unit Description Description PER Initial or one base in the provide of the provi							
CF1080	Unit Description Partial Seriet Partial Partial <t< td=""></t<>							
/iaduct - S	Slip Road D		I.	I.				
	•							
DF1080	· · · · · · · · · · · · · · · · · · ·	7	24JAN08A	26FEB08	45	4		DF1080
ai Wan R				I		1		
	-							
.T3250		171*	26AUG07A	21MAR08	0	27*		LT3250
.T3300	Unit Number of States 1 1 1 24AAR30 0<							
T3310								LT3310
T3320						6		LT3320
T3330		4	17MAR08		0	4	1	LT3330
Г3340	Divert 1No. Lane to Each New Bridge	1	21MAR08	21MAR08	0	1		LT3340
T3350	TTMS CC Rd (on Both Decks) - Implementation	0*	21MAR08	20MAR08	0	0*	1	LT3350
t Date			23.SED02		52			Chaot 4 of C
h Date	Diam Description Date Date Diam Stat Pictor Diam Pictor Diam Pictor Diam Pictor Diam Pictor Diam Pictor Pictor <t< td=""></t<>							
a Date Date							ш	
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Activity	Δοτίνμα	Orig	Farly	Farly	0/	Rom					20	
ID	-	_	-	-				FEB	MA	R		APR
	•						18	20	3 10	il <i>i</i> 24	31	1 14
LF1140	· · ·	38	20FEB08	03APR08	0	38					LF114	0
LF1160	Lai Wan O/Pass W/B - Remove Temporary Barriers	1	20FEB08	19FEB08	0	0		LF1160				
East Bound	- Superstructure Finishing Works	1										
LF1050	Lai Wan O/P E/B - Flange Stitch Connect NOT USED	35	20FEB08	31MAR08	0	35					LF1050	
LF1070	Lai Wan O/Pass E/B - Remove Temporary Barriers	6	20FEB08	26FEB08	0	6		LF107	70			
Drainage W	lorks	1			1	1						
LA1000	Area Under Overpass - Stormwater Drainage	48	28DEC07A	31MAR08	25	35					LA1000	
Landscape	Works											
LX1000	Landscaping Under Overpass - Formation	36	03DEC07A	08APR08	12	32						
LX1010	Landscaping - Hardworks (Walls etc.)	70	20FEB08	13MAY08	0	70						
LX1020	Landscaping - Irrigation System	24	20FEB08	18MAR08	0	24				LX1020		
At Grade V	, Works - Ching Cheung Road at LCK Par	.k	1	1	1							
NT1050	Dia Description Description Start Finish Comp Comp Mark Mark <th< td=""></th<>											
								NT2090				
1						-						
		60	20FFB08	30APR08	0	60						
1				23 100			-					
NR1050		6	11FEB08A	25FFB08	20	5		NR1050				
NR1150								NR1150				
NR3060								NR3060				
		-				-						
NX1000		18	26FFB08	17MAR08	0	18				NX1000		
NX1010		-			-		-					
NX1020		-			-							
1		1										
	U U											
RE2100		42	2055809		0	42						BE2100
		42	ZUFEBUO	USAFRUO	0	42						
RE4028		6	20050074	21EEB08	70	2		RF4028				
1		0	ZUDECUTA	ZIFEDUO	10	2						
RW6040		12	2055809		0	12			RW6040			
RW6050					-		-			RW6050		
RW6060					-		-					
		24	ISWARUO	TOAFROO	0	24						
RA2000		24	14050074	225500	00	2		R A 2000				
RA2000 RA3065												
RA5005 RA5020						· ·	-				R 45020	
RA5020 RA7000							-			R 47000		
1	-	24	ZUFEDUO	TOWARUO	0	24						
RI1020	······································	12	2055809	04144 009	0	12	-		RI1020			
1		12	ZUFEDUO	U4IVIARUo	0	12						
-		70	07141004	27144 D 00	55	22				PY100	0	
RX1000 RX1010										ICX TO		
RX1020							-					
RX1040		48	USIVIARUS	USIVIA 108	0	48	-					
		1				1						
PT2250												
PT2260					-		4					
PT2270			15MAR08		-	•	_					
PT2280		-			-		4					
PT2288	TTMS CP Rd-KC N/B-Close Loop to CC Rd(NOT USED)	0			-	0						
Start Date Finish Date				P3 File : LU	53		-	. –			Sheet 5 of 6	-
Data Date			20FEB08				Hi			003/01		
Run Date			27FEB08 17:46									
	© Primavera Systems, Inc.											
	······,·····			•								



Activity	Activity	Orig.	Early	Early	%	Rem	<u>ا</u> ا						2008						
ID	Description	Durn.	Start	-	Compl.			FEB	3 10	MAR 17	24	31	7	APR 14	21	28	5	<u>MAY</u> 12	19
PT2290	TTMS CP Rd-KC N/B for CCR-R4 - Implem(NOT USED)	408*	20FEB08	25JUN09	0	408*				117	24	D I		14	Z 1	20	5	ΠZ	119
PT1550	TTMS CP Rd-KC S/B for CCR-R5 - Implementation	1,125*	11JUN04A	08MAR08	15	16*			PT1550										
PT2140	TTMS CP Rd-KC S/B for CCR-R6 - Implementation	955*	16DEC04A	21FEB08	0	2*		PT2140											
PT2240	TTMS CP Rd-KC S/B for Paving - Implementation	45*	14JAN08A	08MAR08	0	16*			PT2240										
PT2300	TTMS CP Rd-KC N/B 11NW-A/C66-Prep Review (Del.)	16	20FEB08	08MAR08	0	16			PT2300										
PT2310	TTMS CP Rd-KC N/B 11NW-A/C66-CRE Endorse (Del.)	6	09MAR08	14MAR08	0	6				PT2310									
PT2320	TTMS CP Rd-KC N/B 11NW-AC66-Roadwk Advice (Del.)	7	15MAR08	21MAR08	0	7					PT2320								
Utilities &	Roadworks																		
PR3080	C.P.Rd. Loop to Slip Road C - Crash Barriers	18	20FEB08	11MAR08	0	18			PR30	80									
PR4010	C.P.RdK.C. S/B L/H C/Way - Sub-base	9	130CT07A	23FEB08	60	4		PR4010											
PR4020	C.P.RdK.C. S/B L/H C/Way - Kerbs	6	29DEC07A	23FEB08	25	4		PR4020											
PR4030	C.P.RdK.C. S/B L/H C/Way - Pavement	4	250CT07A	21FEB08	55	2		PR4030											
PR4100	C.P.RdK.C. S/B R/H C/Way - Excavate & Format'n	9	14JAN08A	27FEB08	20	7		PR4	100										
PR4110	C.P.RdK.C. S/B R/H C/Way - Sub-base	9	24JAN08A	05MAR08	15	8			PR4110										
PR4130	C.P.RdK.C. S/B R/H C/Way - Pavement	4	01FEB08A	22FEB08	15	3		PR4130											
PR4135	C.P.RdK.C. S/B - Street Lighting	12	20FEB08	04MAR08	0	12			PR4135										
PR4140	C.P.RdK.C. S/B - Road Markings & Signage	4	05MAR08	08MAR08	0	4			PR4140										
PR4150	Castle Peak Road - Reinstate Junction	29	26JUL07A	08MAR08	50	15			PR4150										
PR5050	C.P.Rd-K.C. S/B to C.C.Rd E/B - Rd Marks & Signs	3	20FEB08	22FEB08	0	3		PR5050											
PR5060	C.P.Rd-K.C. S/B to C.C.Rd E/B - Re-open Road	0		23FEB08	0	0		PR5060											
Landscape	Works																		
PX1000	Landscaping - Earthworks & Formation	30	19JAN08A	11MAR08	40	18			PX10	00									
PX1020	Landscaping - Paving	30	22JAN08A	12MAR08	35	19			PX	1020									
PX1030	Landscaping - Irrigation System	24	20FEB08	18MAR08	0	24				PX10	30								
PX1040	Landscaping - Soiling & Planting	24	20FEB08	18MAR08	0	24				PX10	040								
PX1100	Landscape Establishment Works	302	19MAR08	19MAR09	0	302				PX1100									

Start Date	
Finish Date	
Data Date	
Run Date	

Sheet 6 of 6



Activity	Orig	Early	Early	%	Total	2007 O NOV DE	C JAN FE	200 B MAR		JUN
Schedule of Milestones (with Cost (Dur	Start	Finish	Comp	Float	522 29 5 12 19 26 3 10 1	7 24 31 7 14 21 28 4 11	18 25 3 10 17 24 3	1,7 ,14,21,28,5 ,12,19,26	2 9 16 23
CC A-Preliminaries and General Require	NIC IN COMPANY	-)								
A1.16-1290 days after commencement of the Works	0		24-04-08	0	0				A1.16�	
CC B-CCTV Camera & Associated Works B.10-On completion of Operability Test	s in T3		24-03-08	0	-176			B10 		
CC C-Sha Tin Heights Tunnel Section an		d T3	210000							
C.10-On completion of Operability Test	0		24-03-08	0	-287			C10♦		
CC D-Eagle's Nest Tunnel & Lai Chi Kok D.10-On completion of Operability Test	Viadu	et	24-03-08	0	-287			D10�		
CC F-Emergency Telephone system			24 00 00		-201			010		
F.16-On Completion of Operability Test (R8K)	0		24-03-08	0	-287			F16�		
CC G-Integrated Tunnel Radio Rebroadc G.16-On Completion of Operability Test (R8K)	ast sy	stem	24-03-08	0	-287			G16 		
CC H-Manual Fallback Control system		The States ME	24 00 00		-207			GIG		
H.16-On Completion of Operability Test (R8K)	0		24-03-08	0	-287			H16�		
CC I-Operations and Maintenance Radio I.16-On Completion of Operability Test (R8K)	syster 0	n	24-03-08	0	-287			116		
CC J-Communication System								110•		
J.16-On Completion of Operability Test (R8K)	0		24-03-08	0	-287			J16�		
CC K-Central System K.5-Accept FATs of all equip [cc K1~K5] (R8)	0	Problem Services	04-03-08	0	-278			K05�		
K.16-On Completion of Operability Test (R8K)	0		24-03-08	0	-287			K16		
CC L-Electrical Installation L.16-On Completion of Operability Test (R8K)			04 00 00							
CC M-Speed Enforcement Camera system	0 m		24-03-08	0	-287			L16 		
M.6-Complete order& delivery on Site [cc M](R8K)	0		29-02-08	0	-312			M06		
M.8-Complete all installation of equip[ccM1](R8K M.12-Accept SATs for works [cc M1] (R8K)	0		11-03-08 02-05-08	0	0 -311			M08 	M12	
M.16-On Completion of Operability Test (R8K)	0		24-03-08	0	137			M16�	ivi LZ 🔻	
CC N-Building PBX system, PSTN & Hotl N.16-On Completion of Operability Test (R8K)	line 0		24.00.00							
CC P-Testing and Commissioning			24-03-08	0	-287			N16◆		
P.12-Accept SATs for works [cc P1~P2] (R8K)	0		02-05-08	0	-311				P12◆	
P.16-On Completion of Operability Test (R8K)	0		24-03-08	0	-287			P16♦		
Design Stage (excluding CSS) Design Stage-Interface Documents				and the						
Detailed Interface Document (DID)		Service States								
DID - NSCV, contract HY/2000/21(civil take lead)										
Prepare&Resubmit DID, NSCV Contract HY/2000/21 Accept DID, NSCV Contract HY/2000/21 by Eng'r	10	29-05-07A 20-02-08	19-02-08 18-03-08	50 0	1,100		DID001B	DID001BJ		
DID - NWT & WTYV,contract HY/2001/16(civil t.l.)		20 02 00		Ţŝ	1,100		DIDUUTB			
Accept DID, NWT Contract HY/2001/16 by Eng'r DID - ETYV, contract HY/2004/02(civil take lead)	28	01-03-08	28-03-08	0	0		DIDC	02BT		
Accept DID, ETYV Contract HY/2004/02 by Eng'r	28	01-03-08	28-03-08	0	-180		DIDO	03BT		
DID - SCB, contract HY/2002/26(civil take lead) Accept DID, SCB Contract HY/2002/26 by Eng'r	28	01-03-08	28-03-08	0	-180		DID			
DID - ENT, contract HY/2003/02 (follow LKJV)	20	01-03-08	20-03-08		-180			04BT		
Accept DID, ENT Contract HY/2003/02 by Eng'r DID - Road T3, contract ST/79/02	28	05-03-08	01-04-08	0	0		DI	006BT		
Prepare&Resubmit DID, Road T3 Contract ST79/02	10	15-10-05A	28-02-08	70	0			DID008BJ		
Accept DID, Road T3 Contract ST79/02 by Eng'r	28	29-08-07A	28-02-08	95	0			DID008BT		
Design Stage-Speed Enforcement Camer FSP of SEC System	ra(SEC)System			ALCONG.					
Accept FSP of SEC by Engineer	28	03-01-08A	30-01-08A	100	Carl Carl	CCN	1006FT			
Software Development										
Design Stage for Central TCSS System (
Detailed Design Stage of Central TCSS System DDR of Central TCSS System (CS)	em(CS)		and and the	1997 - MA						
Accept SCOP by Engineer	-	20-02-08	19-02-08	0	0		DR101-C			
Procurement, Manufacture, FAT & D	and the second									
Purchase, Manufacture & Deliver Central	THE OWNER OF THE OWNER OF	n								
P.O.;Manufacture &Deliver Central System for Install Software into Computers	Contraction of the second	20-10-06A	04-03-08	80	1,114			P&M030CS		
Manufacture &Deliver Central System (CS) for	the second second second									
Material Delivery to Site for remaining R8T Install Software into Computers, remaining R8T	30 15	20-02-08 21-03-08	20-03-08 04-04-08	0	-116 -116		P&M050C	P&M060CS		
FAT Procedure of CS for R8K&R8T			10104-00		-110			FOUNDOUCO		
Submit & Approve FAT Report of CS for R8K & R8	The second s	23-06-06A	04-03-08	80	-278			FAT070CS		
Purchase, Manufacture & Deliver MFC Sy Manufacture & Deliver MFC System for R8T	stem									
Manufacture & Deliver MFC System for R81 Material Delivery to Site for MFC System, R8T	349*	08-03-07A	19-02-08	80	-103			CCH302SH		
Start Date 12-10-04		08	102			Sheet 1 o	of 6			1
	Farly	Bar 100					news and the second s			
inish Date 27-02-11	Early I	Bar ess Bar		Delcar	n-Imtech	-GTECH JV			Date Revision he	eckepprove
inish Date 27-02-11 Jata Date 20-02-08 Run Date 26-02-08 11:00	Progre	Sar				D-GTECH JV		橋公司 N-IMTECH-GTECH	Date Revision he	eckelpprove
Data Date 20-02-08	Progre	ess Bar		Rout	te 8 TCS		DELCA	橋公司	Date Revision the	eckelpprove

Activity	Orig	Early	Early	%	Total	2007 O NOV DEC JAN FE	2008 B MAR APR MAY JUN
Description FAT & Procedure of MFC System for R8K&Ri		Start	Finish	Comp	Float	522,29,5,12,19,26,3,10,17,24,31,7,14,21,28,4,11	18 25 3 10 17 24 31 7 14 21 28 5 12 19 26 2 9 16 2
FAT of MFC System for R8K&R8T (concurrent as CS)		20-01-07A	19-02-08	80	0		FAT050MF
Submit & Approve FAT Report for MFC, R8K&R8T	14	20-02-08	04-03-08	0	0	FAT060M	
Purchase, Manufacture & Deliver Commu	A CONTRACTOR OF	on Sys					
FAT & its Procedure Comm. System for R8K Prepare&Resubmit FAT Procedures - CommSys	6 R81	03-08-06A	19-02-08	80	0		CCJ101CJ
Accept FAT Procedures - CommSys by Engineer	28	20-02-08	18-03-08	0	0	C¢J101C	
Prepare&Resubmit FAT report - CommSys Review FAT report - CommSys by Engineer	14 28	08-03-07A 20-02-08	19-02-08	50 50	0		CCJ200DJ
Purchase, Manufacture & Deliver CCTV St		20-02-00	19-02-08	50		C¢J200D	
Manufacture & Deliver CCTV System for R8T	All the second start	Million and all					
Manufacture CCTV system for R8T	0*	20-02-08*	19-02-08	0	-158	CCB2002	0
Material Delivery to Site - CCTV for R8T	40	20-02-08	30-03-08	0	-158	CCB302S	
FAT Procedure of CCTV System for R8K & R Review FAT Procedures - CCTV by Engineer	Contract of the second	25-02-08	24-02-08	0	0	CCB10	1 M
Prepare&Resubmit FAT Procedures - CCTV	10	25-02-08	29-02-08	0	0	CCB10	
Accept FAT Procedures - CCTV by Engineer	28 15	01-03-08	28-03-08	0	0	ССВ	
Submit&Approve FAT Report- CCTV for R8K & R8T		29-03-08 07-04-08	06-04-08	0	0		CCB200AF
ccept FAT report - CCTV by Enginner	28	20-02-08	18-03-08	0	0	CCB200C	
Buy,Manufacture &Deliver Vehicle Detect	or Sys	stem	1.15				
Manufacture & Deliver VDS for R8T Material Delivery to Site - VDS Devices for R8T				dist we			
urchase,Manufacture &Deliver PBX Sys	CONTRACTOR OF THE	20-02-08	19-04-08	0	-178	CCY302S	
Anufacture & Deliver PBX System for R8T		A Planted P					
Aterial Delivery to Site - PBX Devices for R8T	50	01-03-07A	09-04-08	10	-94		CCN302SH
AT & its Procedure of PBX System for R8K							
repare&Resubmit FAT Procedures - PBX Devices ccept FAT Procedures - PBX Devices by Engineer	10 28	03-08-06A 20-02-08	19-02-08 19-02-08	50 0	0		CCN101CJ
Purchase, Manufacture & Deliver SEC Sys		20-02-08	19-02-08	0	0	CCN101C	
P.O.; Manufacture & Deliver SEC System, R8				Statistics in	and had the		
anufacture SEC Devices for R8K & Portion B	Constitution of the second second	20-02-08*	19-02-08	80	-312	CCM2000	
laterial Delivery of SEC devices to R8K & B	10	20-02-08*	29-02-08	0	-312	CCM301S	
Anufacture & Deliver SEC System, R8T	60	20-02-08	19-04-08	0	-185	2014/01/2	
laterial Delivery of SEC devices to R8T except B	30	20-02-00	19-05-08	0	-185	CCM2000	CCM302SH
AT & its Procedure of SEC System for R8K							
Prepare&Submit FAT Procedures- SEC Devices	20 28	20-02-08 11-03-08	10-03-08	0	-104 -104	CCM101A	
Prepare&Resubmit FAT Procedures- SEC Devices	10	08-04-08	17-04-08	0	-104		CCM101AT
ccept FAT Procedures- SEC Devices by Engineer	28	18-04-08	15-05-08	0	-104		CCM101BT
AT of SEC devices for R8K&R8T Buy,Manufacture &Deliver Electrical Insta	11 Illatio	16-05-08	26-05-08	0	-104		CCM201AF
Ianufacture & Deliver Electrical System, R8	Contraction of the local division of the loc				-		
anufacture Electrical Device for R8T		20-02-08	15-03-08	0	-173	CCL2003	o and a second se
		16-03-08	05-04-08	0	-173		CCL302SH
urchase,Manufacture & Deliver O&M Ra	The second se	stem					
Ianufacture & Deliver O&M Radio System fo anufacture O&M Radio Devices for R8T	and the part of the second	20-02-08	29-05-08	0	-159	CCI2002	
aterial Delivery to Site -O&M Radio for R8T		15-04-08	13-06-08	0	-159	GGIZUUZ	CCI302SH
AT(product cert.) of O&M Radio Sys. for R8	and the second	Storman and the state					
ubmit Product Cert. of O&M Radio devices for R8 pprove Product Cert O&M Radio for R8K&R8T		13-06-06A 11-03-08	10-03-08 24-03-08	65 0	0		CCI200AF CCI200AJ
,M&D Integrated Tunnel Radio Re-broad			24 00 00				
Ianufacture & Deliver ITRR System for R8T			C. State				
anufacture ITRR Devices for R8T		20-02-08*	09-05-08	0	-206	CCG2002	
laterial Delivery to Site- ITRR devices for R8T	60	10-05-08	08-07-08	0	-206		CCG302SH
ite Access Dates for R8T				-			
ortion E - East Tsing Yi Viaduct (ETYV)	0	27-02-08*	1 complete states	0	0		SE♦
rtion F - Stonecutters Bridge (SCB)		20-02-08*		0	-11	POS.F	
stallation for R8K	AUSI (C	al terreture data					
ortion G - Road T3							
xisting & Early-opening Roads @Road T3							
Prepare&Resubmit TMCP to TMLG members, Portion G	10	13-01-08A	22-01-08A	100		TMPG01BK	
Accept TMCP by TMLG members, Portion G	10	23-01-08A	01-02-08A	100		TMPG01BT	
Prepare & Repropose TIA,TTA measures, Portion G		13-01-08A 23-01-08A	22-01-08A 01-02-08A	100		TTAG-030	
mplement TTA measures @Portion G		23-01-08A	11-02-08A	100		TTAG-040	
ortion J2 - Sections except Portion J1 @LCI	٨V						
lew Roads (R8 Mainline) @Portion J2							
Pre-Inspection & Handover of Civil Provisions Rectify Civil Provisions Defects by others	28	25-01-07A	23-01-08A	100			
ICSS Access Date	200320	24-01-08A		100		POSJ2000	
nstallation @HyD,TD,HKPF Government Offi	ces						
nstallation @TD MongKok Office							
	Λ	20-02-09		0			
Istall Communication Devices@TD MongKok Office Istall Remote Workstation @TD MongKok Office Istall CCTV system @TD MongKok Office		20-02-08 25-02-08	23-02-08 28-02-08	0	-260 -261	0G0101 0G010	

Activity Description	Orig	Early Start	Early Finish	% Comp	Total Float	2007 2008 O NOV DEC JAN FEB MAR APR MAY JUN
Installation @TD Wanchai TCC				- comp	Tiour	<u>522 295 12 19 26 3 10 17 24 31 7 14 21 284 11 18 25 3 10 17 24 31 7 14 21 28 5 12 19 26 2 9 16 2</u>
Install Communication Devices@TD Wanchai TCC	4	20-02-08	23-02-08	0	-260	
Install Computer Equipment @TD Wanchai TCC Install Remote Workstations @TD Wanchai TCC	4	25-02-08 25-02-08	28-02-08	0	-261 -261	OGO2020
Install CCTV system @TD Wanchai TCC	5	25-02-08	29-02-08	0	-256	
Installation @HyD ECC						
Install Computer Equipment @HyD ECC	4	20-02-08	23-02-08	0	-260	
Install Remote Workstation @HyD ECC Install Communication Devices@HyD ECC	4	20-02-08	23-02-08	0	-258	
Install CCTV system @HyD ECC	4	20-02-08	23-02-08 25-02-08	0	-258 -258	
Installation @HKPF South Operational Base		20-02-00	23-02-00	0	-200	3 OGO3040
Install Remote Workstation @HKPF South Base	4	20-02-08	23-02-08	0	-258	OGO5020
Install Communication Devices@HKPF South Base	4	20-02-08	23-02-08	0	-258	
Install CCTV system @HKPF South Base	7	20-02-08	26-02-08	0	-258	3 OGO5040
Installation @HKPF Tai Po RCCC	-	1				
Install Computer Equipment @HKPF Tai Po RCCC Install Remote Workstation @HKPF Tai Po RCCC	5	22-02-08	26-02-08	0	-258	
Install Communication Devices@HKPF Tai Po RCCC	6	20-02-08	25-02-08	0	-256	
Install CCTV system @HKPF Tai Po RCC	4	20-02-08	23-02-08	0	-256	
Installation @HKPF West Kowloon (WK) RCCC						
nstall Remote Workstation @HKPF WK RCCC	6	25-02-08	01-03-08	0	-256	
nstall CCTV system @HKPF WK RCC	6	25-02-08	01-03-08	0	1,116	OGO70 <mark>40</mark>
nstallation of SEC system for R8K & Portion	and the second	00.00		(本)))		
Istall SEC System (Stage 1 & 2) @Portion B	6	20-02-08*	25-02-08	0	75	
Istall SEC system in Existing & Eany-Ro @G Istall & Demo. SEC System (Stage 1) @Portion G	5	20-02-08	21-02-08 05-03-08	0	-277	
Istall SEC System (Stage 2) @Portion G	5	06-03-08*	10-03-08	0	-290	
stall SEC System (Stage 1) @Portion H1B	2	20-02-08*	21-02-08	0	-278	
nstall SEC System (Stage 2) @Portion H1B	2	07-03-08*	08-03-08	0	-291	
Install SEC System (Stage 1) @Portion H1C	2	20-02-08*	21-02-08	0	-299	
Install SEC System (Stage 2) @Portion HTC	5	07-03-08*	08-03-08	0	-312	
Install SEC System (Stage 2) @Portion 12	5	07-03-08	11-03-08	0	-209	
nstall SEC System (Stage 1) @Portion J2	4	20-02-08*	23-02-08	0	-274	
nstall SEC System (Stage 2) @Portion J2	5	07-03-08*	11-03-08	0	-291	J–1700
nstall SEC Server & system (Stage 2) @R8K AB	8	20-02-08*	27-02-08	0	-274	KAB1180
nstallation for R8T	and the second			C. P. Charles		
Portion B - Nam Wan Tunnel (NWT) Tubes						
Installation @Portion B						
nstall CCTV System @Portion B nstall Manual Fallback Control System @B	30	20-02-08	20-03-08	0	31	
nstall Emergency Telephone System @Portion B	27	20-02-08 03-03-07A	17-03-08 04-03-08	0 60	31	
Portion C - Sections except Portion B @NV		A NAME OF A DESCRIPTION	04-03-08	00	22	B-1300
Installation @Portion C (except WCB & TMCA)	VIGAVVI	I V		di de O		
Electrical Installation @Portion C	6	20-02-08	25-02-08	80	-14	C-1005
nstall ITRR System @Portion C (EPB,WPK)	12	10-05-08	21-05-08	0	-206	
nstall TCSS Equipment Cabinet @Portion C	13	20-02-08	03-03-08	60	34	
nstall SDH Node 1&3,Comm.Sys@C(WPK,EPB,Cabinet)	51	26-02-08	16-04-08	0	-12	
nstall Traffic Control Field Devices @Portion C Installation @West Control Building (WCB)	28	20-02-08	18-03-08	60	-1	C-1150
nstall ITRR System @WCB	24	10-05-08	02-06-08	0	-175	
nstall MFCP & its system @WCB	14	10-05-08	23-05-08	0	-175	
nstall Oper.Facilities (Racks,Furniture) @WCB	35	20-02-08	25-03-08	0	-131	WCB1150
nstall SEC Server & system (Stage 2) @WCB	14	20-05-08	02-06-08	0	-41	WCB1650
ortionD-NgongShuenChauViaduct (incluc		and the second				
TA in Existing Roads,WKH & Ramps E1&G@I		-				
Prepare & Submit TMCP to TMLG members, Portion D Review & Comment TMCP by TMLG members, Portion D	25	20-02-08* 16-03-08	15-03-08	0	-243	
Prepare&Resubmit TMCP to TMLG members, Portion D	25	30-03-08	29-03-08 23-04-08	0	-229	
accept TMCP by TMLG members, Portion D	14	08-05-08	21-05-08	0	-219	
ropose TIA, TTA measures in TMLG meeting, D	25	20-04-08	14-05-08	0	-229	
comment TIA,TTA measures by TMLG members, D	14	24-04-08	07-05-08	0	-229	
Prepare & Repropose TIA, TTA measures, Portion D	10	08-05-08	17-05-08	0	-229	
Accept TIA,TTA measures by TMLG members, D	14	18-05-08	31-05-08	0	-229	TTAD02BT
nstallation @Portion D aying Backbone Cables @Portion D	24	19.05.074	00 03 08	20	100	
nstall Operation Facilities @Portion D (Kiosk F)	24	18-05-07A 20-05-08	06-03-08 26-05-08	30 0	-109 -185	D-8040
nstall SDH Node 4,5,6 & COMMUNICATION SYSTEM @D		20-02-08	13-03-08	0	-105	D-8090
nstall Traffic Control Field Devices @Portion D	36	04-04-07A	07-03-08	50	-106	
nstall CCTV System @Portion D	15	20-06-07A	26-02-08	50	-125	D8250
Install Vehicle Detector System @Portion D	29	20-02-08	19-03-08	0	-125	
Install SEC System (Stage 1 & 2) @Portion D	8	20-05-08	27-05-08	0	-185	D-9300
ortion E - East Tsing Yi Viaduct (ETYV)	Mailtinette					
Pre-Inspection of Civil Provisions @Portion E ivil Provisions Inspection & Submit Report @E	7	20-02-08*	26-02-08	0	-14	E MAN
Rectify Civil Provisions Defects by others @E	14	27-02-08	11-03-08	0	-14 -14	E-0100
lite Access of East Tsing Yi Viaduct (ETTV)	0	27-02-08*		0	0	
nstallation @Portion E						
nstall Cable Containment @Portion F	15	07-04-08	21-04-08	0	-30	
Electrical Installation @Portion E	23	07-04-08	29-04-08	0	-19	
	23	07-04-08	29-04-08	0	-30 -4	
	~~					E-1050
nstall TCSS Equipment Cabinet @Portion E .aying Backbone Cables @Portion E nstall Traffic Control Field Devices @Portion E	26 47	07-04-08	02-05-08			
aying Backbone Cables @Portion E nstall Traffic Control Field Devices @Portion E	26 47 17	07-04-08 05-05-08 07-04-08	20-06-08 23-04-08	0	4 -58 -4	E-1200
	47	05-05-08	20-06-08	0	-58	E-1200

Activity	Orig	Early	Early	%	Total	2007 O NOV 522 29 5 12 19 26	
Description	Dur	Start	Finish	Comp	Float	5,22,29,5,12,19,26	DEC JAN FEB MAR APR MAY JU 3.10.17.24.31.7 14.21.28.4 11.18.25.3 10.17.24.31.7 14.21.28.5 12.19.26.2 9
Installation in Existing Roads @Portion E Electrical Installation @Portion E	8	30-04-08	07-05-08	0	-19		E-3010
Laying Backbone Cables @Portion E	7	27-02-08	04-03-08	0	20		E-3050
Install Traffic Control Field Devices @Portion E	18	05-05-08	22-05-08	0	-35		E3200
Install COMMUNICATION SYSTEM @Portion E Install CCTV System @Portion E	10	05-03-08	14-03-08	0	20		E-3300
Install Vehicle Detector System @Portion E	3	31-03-08 21-04-08	02-04-08	0	-17		E-3500
TTA in Existing Roads @Portion E							
Prepare & Submit TMCP to TMLG members, Portion E	28	20-02-08*	18-03-08	0	-135		TMP.E01AJ
Review & Comment TMCP by TMLG members, Portion E	21	19-03-08	08-04-08	0	-91		TMPE01AT
Prepare&Resubmit TMCP to TMLG members, Portion E Accept TMCP by TMLG members, Portion E	28	09-04-08	06-05-08	0	-91 -91		TMPE01BK
Propose TIA, TTA measures in TMLG meeting, E	30	20-04-08	19-05-08	0	-91		TMPE01BT
Comment TIA,TTA measures by TMLG members, E	21	20-05-08	09-06-08	0	-135		TTAE-020
Portion F - Stonecutters Bridge (SCB)							
Pre-Inspection of Civil Provisions @Portion F							
Site Access of Stonecutters Bridge (SCB)	0	20-02-08*		0	-11		F-0300
Installaton @Portion F	40	07.04.00	10.01.00				
Install Cable Containment @Portion F Electrical Installation @Portion F	13	07-04-08	19-04-08 24-04-08	0	-42 -26		F-1001
Install TCSS Equipment Cabinet @Portion F	19	07-04-08	25-04-08	0	-42		F-1005
Laying Backbone Cables @Portion F	19	26-04-08	14-05-08	0	-27		F→1050
Install Operation Facilities @Portion F(Kiosk Z)	10	26-04-08	05-05-08	0	-21		F1060
Install COMMUNICATION SYSTEM @@Portion F Install Traffic Control Field Devices @Portion F	20	26-04-08 05-05-08	15-05-08	0	-38		F-1080
Install CCTV System @Portion F	34	05-05-08	07-06-08	0	-70		F-1090
Install Vehicle Detector System @Portion F	19	26-04-08	14-05-08	0	-25		F-1100
Testing and Commissioning				(Nella)			
Site Commissioning Tests (SCT) @R8K							
SCT Procedure @R8K		Constant and	CITATION CONTRACTOR				
Prepare & Resubmit SCT Procedure for R8K	10	19-01-08A	28-01-08A	100			SCT8K1BJ
Implement SCT @R8K					2.014		
Implement SCT @HyD,TD,HKPF Government Of	ffices			and the second second			
SCT of Communication Devices@HyD,TD,HKPF Office	4	20-02-08	23-02-08	0	-256		OGO9010
SCT of Computer Equipment @HyD,TD,HKPF Office	4	24-02-08	27-02-08	0	-260		OGO90 <mark>20</mark>
SCT of Operation Facilities @HyD,TD,HKPF Office SCT of CCTV system @HyD,TD,HKPF Office	4	25-02-08 26-02-08	28-02-08	0	-261		OG09030
Submit&Approve SCT Result for HyD,TD,HKPF Office	4	26-02-08	29-02-08 04-03-08	0	1,118		OGO9040
SCT of SEC system @R8K & Portion B			10.00.00	hew	-200		
SCT of SEC System @Portion B	5	20-02-08	24-02-08	0	76		B-2300
SCT & Demostration of SEC System (Stage 1) @G	6	01-03-08	06-03-08	0	-312		G-2700
SCT of SEC System (Stage 2) @Portion G	2	06-03-08	07-03-08	0	-289		G-2950
SCT of Speed Enforcement Camera System @H1B SCT of Speed Enforcement Camera System @H1C	3	07-03-08	09-03-08	0	-291		H185300
SCT of Speed Enforcement Camera System @H1C SCT of Speed Enforcement Camera Sys.@Portion I2	4	26-03-08 07-03-08	29-03-08 08-03-08	0	-311		H1C5400
SCT of SEC Server & system (Stage 2)@R8K AB	2	01-03-08	02-03-08	0	-290		12–2700 1 13–2700 1
SCT of Speed Enforcement Camera Sys.@Portion J2	2	07-03-08	08-03-08	0	-290		J <mark>2</mark> –2700
Site Commissioning Tests @R8T				in the second			
SCT Procedure @R8T		and the second	No. of Street, or other	Contraction of the	a print		
Prepare & Submit SCT Procedure for R8T	20	20-02-08*	10-03-08	0	-76		SCT8T1AJ
Review SCT Procedure for R8T by Engineer Prepare & Resubmit SCT Procedure for R8T	28	11-03-08	07-04-08	0	-76		
Accept SCT Procedure for R8T by Engineer	10	08-04-08	17-04-08	0	-76		SCT8T1BJ
Implement SCT @R8T		1.0 04 00	10.00-00	-	-70		SCT8T1BT
Implement SCT @Portion B							
SCT of CCTV System @Portion B	11	23-01-08A	02-02-08A	100			B-2050
SCT of Traffic Control Field Devices @Portion B	37	20-12-07A	25-01-08A	100			B-2150
SCT of Emergency Telephone System @Portion B	19	20-02-08	09-03-08	0	62		B-2200
SCT of COMMUNICATION SYSTEM @@Portion B Implement SCT @Portion C	10	20-02-08*	29-02-08	0	71		B-2400
SCT of Electrical Installation @Portion C	11	26-02-08	07-03-08	0	47		
SCT of Traffic Control Field Devices @Portion C	42	19-03-08	29-04-08	0	-1		C-2005
SCT of COMMUNICATION SYSTEM @@Portion C	14	17-04-08	30-04-08	0	-12		C-2600
SCT of TCSS Equipment Cabinet @Portion C	10	04-03-08	13-03-08	0	35		C-2900
Implement SCT @WCB SCT of PA System @WCB	20	20.02.02	10.02.02	-			
SCT of PBX System @WCB	20	20-02-08 20-02-08*	10-03-08	0	63 49		WCB2350
Implement SCT @Portion D		1. 02 00	10 00 00	L V	43		
SCT of Backbone Cables @Portion D	10	07-03-08	16-03-08	0	-102		D-2015
SCT of power & control cable @Portion D	10	17-03-08	26-03-08	0	-102		D-2020
SCT of Vehicle Detector System @Portion D	9	20-03-08	28-03-08	0	-118		D-2100
Implement SCT @Portion E SCT of Electrical Installation @Portion E	9	08-05-08	16-05-08	0	-18		
SCT of Backbone Cables @Portion E	9	03-05-08	11-05-08	0	-18		E-2005
SCT of Power & control cable @ Portion E	10	03-05-08	12-05-08	0	17		E-2010
SCT of CCTV System @Portion E	8	06-05-08	13-05-08	0	-2		E-2050
SCT of TCSS Equipment Cabinet @Portion E	10	30-04-08	09-05-08	0	10		E-2200
SCT of COMMUNICATION SYSTEM @Portion E Implement SCT @Portion F (with EOT)	12	24-04-08	05-05-08	0	-2		E-2400
SCT of Electrical Installation @Portion F	9	25-04-08	03-05-08	0	-26		
SCT of Backbone Cables @Portion F	10	15-05-08	24-05-08	0	-26		F-2005
SCT of power & control cable @Portion F	10	15-05-08	24-05-08	0	-27		F-2010
SCT of TCSS Equipment Cabinet @Portion F	7	26-04-08	02-05-08	0	-5		F-2200
SCT of COMMUNICATION SYSTEM @@Portion F SCT of Operation Facilities @Portion F(Kiosk Z)	9	16-05-08	24-05-08	0	-38 -13		F-2500
		00-00-00	10-00-00	U	-13		F-2700

System Acceptar SAT Procedure Do Prepare & Resubmit SAT	Activity Description	Orig Dur	Early Start	Early Finish	% Comp	Total Float	O NOV DEC JAN FEB MAR APR MAY IUN
SAT Procedure Do	nce Tests (SAT) @R8K	(Augurea)			State.		
renare & Resubmit SAT		ENERS	a contractor	and the second	Sectores		
WHERE BREAKING COUNTRY AND A DOCUMENT	AND INCOMENTATION OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER.	10	17-01-08A	26-01-08A	100	APRIL CONTRACT	SAT8K1BJ
mplement SAT @ Central System PointToPo		35	24-12-07A	27-01-08A	100		R8K2005
AT of MFC System @R8		15	09-01-08A	23-01-08A	100		
AT of CCTV System @F		15	08-01-08A	22-01-08A	100		R8K2030
AT of Traffic Control Dev AT of Vehicle Detection		30	25-12-07A	23-01-08A	100		R8K2040
AT of Electrical Installati		15 20	09-01-08A 05-01-08A	23-01-08A 24-01-08A	100		R8K2050
entral System External I		20	13-01-08A	01-02-08A	100		
entral System External I		5	26-01-08A	30-01-08A	100		R8K2160
AT Result Docun							
	esult of Central System@R8K esult of MFC System @R8K	14 14	17-01-08A 24-01-08A	30-01-08A 06-02-08A	100		R8K4005
ubmit & Approve SAT Re	esult of Comm.Sys. @R8K	14	09-01-08A	22-01-08A	100		
	esult of CCTV System @R8K	14	18-01-08A	31-01-08A	100		R8K4030
ubmit & Approve SAT Re ubmit & Approve SAT Re		14 14	24-01-08A 24-01-08A	06-02-08A 06-02-08A	100		R8K4040
	esult of PBX System @R8K	14	19-01-08A	01-02-08A	100		R8K4060
ibmit & Approve of Tunn		14	19-01-08A	01-02-08A	100		R8K4070
	esult of O&M Radio Sys.@R8K esult of ET System @R8K	14 14	19-01-08A 09-01-08A	01-02-08A 22-01-08A	100		
and an an an and a second s	esult of PA System @R8K	14	19-01-08A	01-02-08A	100		R8K4100
	sult of Oper.Facilities@R8K	14	09-01-08A	22-01-08A	100		R8K4110
A STATE OF THE ADDRESS OF THE OWNER.	esult of Elect.Install.@R8K	14	25-01-08A	07-02-08A	100		R8K4130
nplement Interfact terface Test with ENT C	ce Test with Others @R8K	F	26.04.004	20.01.004	402	Station and	
terface Test with HKPF,		5	26-01-08A 28-01-08A	30-01-08A 30-01-08A	100		ITR8K001
erface Test with R8K Te	oll System	3	28-01-08A	30-01-08A	100		ITR8K003
ystem Acceptar	nce Tests @R8 (with EO	Г)					
AT Procedure Do		and the second	and the state				
epare & Submit SAT Pr	and the second	14	16-05-08*	29-05-08	0	-76	76 SAT8T1AJ
perability Test (plement Operability Tes		30	20-02-08	00.00.00	0		
bmit &Approve OPT Re		10	11-03-08	20-03-08 20-03-08	0	-287	
peat SAT of VDS & Cali	ibrate if required @R8K	12	09-03-08	20-03-08	0	-277	
bmit &Approve re-SAT I		7	14-03-08	20-03-08	0	-277	77 R8K4140
AT & OPT for SI T of SEC System @R8	EC system @R8K		No. of California				
	sult of SEC System @R8K	20 14	30-03-08 19-04-08	18-04-08 02-05-08	0	-311 -311	
	t of SEC system @R8K	30	03-05-08	01-06-08	0	-245	
	eport of SEC system @R8K	14	19-05-08	01-06-08	0	-245	
peration and	Maintenance Docume	ents a	& Traini	ng			
ocumentation f	or R8K Opening						
ystem Descriptio			he we have		file -		
ccept System description		28	01-03-08	28-03-08	0	-213	13 R8K301BT
ccept Operation Manual		28	25-02-08	23-03-08	0	-208	18 R8K302BT
And the second se	ation Manual for R8K		20 02 00	20-00-00		-200	Ronjuzo I
	ation Manual by Engineer	28	25-02-08	23-03-08	0	-208	18 R8K303 BT
aintenance Plan							
	ntenancePlan for R8K & R8T	14	20-02-08	04-03-08	0	-433	
and the second se	enancePlan for R8K&R8T	28 10	05-03-08	01-04-08	0	-277 -277	
cept Maintenance Plan	for R8K&R8T	28	12-04-08	09-05-08	0	-255	
	rvices Manual for R8K						
	nance Tools List for R8K	14	02-04-08	15-04-08	0	-277	
epare & Submit Mainter	nance Manual for R8K nual for R8K by Engineer	14 28	07-04-08	20-04-08 13-05-08	0	-277 -277	
epare & Re-submit Mair	ntenance Manual for R8K	10	09-05-08	18-05-08	0	-277	
cept Maintenance Man	ual for R8K by Engineer	28	04-05-08	31-05-08	0	-277	
raining Plan for F							
cept Training Plan for R	A REAL PROPERTY OF A REAP	28	01-03-08	28-03-08	0	0	0 GENO(8BT
raining Matarial C	and the second	21	29-03-08	18-04-08	0	0	Darage
		28	19-04-08	16-05-08	0		0 R8K305AJ
epare&Submit Training view Training Material f			17-05-08	26-05-08	0		0 R8K305BJ
epare&Submit Training view Training Material f epare&Re-submit Traini	ing Material	10					
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apare&Submit Training view Training Material f apare&Re-submit Traini ocumentation for evised Operation apare&Submit Operation	ing Material or R8 Opening n Manual for R8 n Manual for R8T	14	25-02-08*	09-03-08	0	-148	
apare&Submit Training view Training Material f apare&Re-submit Traini ocumentation for evised Operation apare&Submit Operation view Operation Manual	ing Material or R8 Opening I Manual for R8 In Manual for R8T for R8T by Engineer		25-02-08* 10-03-08 07-04-08	09-03-08 06-04-08 16-04-08	0 0 0	-148 -148 -148	8 RBT307AT
apare&Submit Training view Training Material f apare&Re-submit Traini ocumentation for evised Operation apare&Submit Operation view Operation Manual apare&Re-submit Opera	ing Material or R8 Opening Manual for R8 n Manual for R8T for R8T by Engineer ation Manual for R8T	14 28	10-03-08	06-04-08	0	-148	8 R8T307AT
apare&Submit Training view Training Material f apare&Re-submit Traini ocumentation for evised Operation apare&Re-submit Operation view Operation Manual apare&Re-submit Opera- cept Operation Manual evised System A	ing Material or R8 Opening I Manual for R8 I Manual for R8T for R8T by Engineer ation Manual for R8T for R8T by Engineer dministration Manual for R	14 28 10 28 8	10-03-08 07-04-08 17-04-08	06-04-08 16-04-08 14-05-08	0 0	-148 -148	8 R8T307AT
epare&Submit Training view Training Material f epare&Re-submit Traini ocumentation for evised Operation epare&Submit Operation view Operation Manual epare&Re-submit Opera- coept Operation Manual evised System A epare&Submit System A	ing Material or R8 Opening I Manual for R8 I Manual for R8T for R8T by Engineer ation Manual for R8T for R8T by Engineer dministration Manual, R8T	14 28 10 28 8 14	10-03-08 07-04-08 17-04-08 15-05-08	06-04-08 16-04-08 14-05-08 14-05-08	0 0 0	-148 -148 -148 -148	8 R8T307AT 8 R8T307BJ 8 R8T307BJ 8 R8T307BT 8 R8T308AJ
apare&Submit Training view Training Material f apare&Re-submit Traini ocumentation for evised Operation apare&Submit Operation view Operation Manual apare&Re-submit Opera- cept Operation Manual evised System A apare&Submit System A view System Administra	ing Material or R8 Opening I Manual for R8 I Manual for R8T for R8T by Engineer ation Manual for R8T for R8T by Engineer dministration Manual for R	14 28 10 28 8	10-03-08 07-04-08 17-04-08	06-04-08 16-04-08 14-05-08 14-05-08 14-05-08	0 0 0	-148 -148 -148 -148 -148 -148	8 RBT307AT 8 R8T307BJ 8 R8T307BT 8 R8T308AJ 8 R8T308AJ 8 R8T308AJ
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Activity	Orig	Early	Early	%	Total	2007				20	08		
Description	Dur	Start	Finish	Comp		O NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
Training Material for R8T Opening	The second					5,22,29,5 <u>12,19,26</u> ,3	10,17,24,31,7	14 21 28	4 <u>11 18 25</u>	3 10,17,24	<u>31,7,14,21,3</u>	28 5 12 19 26 2	2 9 16 2
Prepare&Submit Training Material for R8T	20	10-05-08	29-05-08	0	-41						R8T3		
Documentation during DLP	itte a contrar		IN STREET, STREET, ST		2 ¹⁴ 1000						KOTJ		
As-built Documentation			Constant of the second	-	Street of the								
Submit As-built Drawings & Design Documents, R8K	30	20-02-08	20-03-08	0	-252				3312AJ				
Training during Defects Liability Period		20-02-00	20-00-00		-232			ra	STZAJ				
Start of 3-day training w/s @3-month intervals	And the Real Property of the All Property of	19-04-08											
Training for R8K-TCSS Field Hardware O&M	0		00.40.00	0	-111						R83070�		
	98	20-05-08	09-10-08	0	290			1.1.1				R8K3050	
Completion Dates													
Overall Completion of R8K	0		18-04-08	0	-201					CC	MR8K-		
Early Road Opening Areas (to be advis	ed)		an Astronom		S. BAR								
Early Road Opening Areas, R8K	and the second	Alert Made	Seller-Serler										
Road Opening Date of Remaining Section @Road T3	0		07-03-08*	0	-269				COMT3ZR	•			
Section Completion of R8K	i disate a												
Section 1 Completion (R8K Phase 1)	0		18-04-08	0	-311					COM	ISEC1-		
Defects Liability Period (DLP) for V	Vorks												
DLP for R8K Work													
Start of 24-month DLP for R8K	0	20-02-08*	and the second second second second	0	-111			Rake					
Routine / Preventive Maintenance for R8K	761	20-02-08	21-03-10*	0	-111				DLP10				
Fault Maintenance for R8K	761	20-02-08	21-03-10*	0	-111				DLP10	and the second	and the second second		
Central System Technical Support for R8K	761	20-02-08	21-03-10*	0	-111				DLP30				

APPENDIX M COMPLAINT LOG

Appendix M - Complaint Log

Log Ref.	Location	Received Date	Details of Complaint	Investigation/Mitigation Action	Status
			Kwai Tsing District Officer (KTDO) recently received a public noise complaint about construction noise generated from the Route 8 – Lai Chi Kok Viaduct (R8-LCKV) Project, near Nob Hill, Lai Chi Kok. KTDO referred the complaint to the Highways Department (HyD) on the same day. HyD subsequently referred the complaint to the Environmental Team (ET) Leader of the Project on 18 March 2004.	 Based on the information provided by the ER, the construction activities conducted in the vicinity of Nob Hill in the period between 2 and 18 March 2004 were: Item 1 – Breaking off existing planter and excavate trial trench to expose underground utilities (using one to two backhoes) Item 2 – Erect rock fall fence & forming platform for predrilling (using one backhoe and occasionally one crane lorry) Item 4 – Excavate further to expose all underground utilities (using hand tools) Item 5 – Pre-drilling works (using one drilling rig) 	
40318	Nob Hill	18 March 2004	The complaint was raised by the Citybase Property Management Ltd. (the management company of Nob Hill) and the Secretarty of Nob Hill Owners Committee (Mr. Kevin Tse) about construction noise generated from the R8-LCKV Project at the work areas near Nob Hill. Mr. Kevin Tse mentioned that residents living in	Considering the scale of work and the PMEs adopted, the ET believed that the construction noise impact at Nob Hill from the above construction activities of R8-LCKV was not significant. The bored piling work (Item 3) using one crawler crane and one oscillator was started on 19 March 2004, which was two days after the issue date of this complaint, so this activity was not considered in this report.	Closed
			Nob Hill have greatly been affected by the noise impacts generating from the R8-LCKV construction works. He also requested relevant government departments to consider installing noise barrier along Ching Cheung Road and to work out possible measures to minimize the	According to the EM&A Manuals, Nob Hill was not selected as Noise Monitoring Location (NML) for the Project. Therefore, no direct noise monitoring data could be provided for the complaint investigation. However, there was no noise level exceedance recorded at the nearby NML (NM4 – Mei Foo Sun Chuen, Phase 5) since the commencement of the project according to ET's inventory.	
			noise nuisances to the residents living in the vicinity.	During ET's weekly environmental site inspections on 3, 10, 17 March 2004, no serious noise nuisance induced by the Project works was observed at the sites near Nob Hill. Based on the joint site visit with the representative of HyD, IEC, RSS and ET to the Nob Hill on 30 March 2004, the major noise source at Nob Hill was identified as traffic noise on Ching	

Log Ref.	Location	Received Date	Details of Complaint	Investigation/Mitigation Action	Status
				Cheung Road, which is located very close to this building, especially at or above the Podium Floor (i.e. 5/F).	
				 Based on the information obtained, this noise complaint is not considered due to the construction activities of the Project. Nevertheless, the Contractor was recommended to adopt good site practice to minimize the construction noise, such as: To space out noisy equipment and position it as far away as possible from the sensitive receivers; To avoid concurrent uses of noisy equipment near the sensitive area; To ensure the equipment are maintaining in good operation condition; and To turned off any idle equipment on site. 	
				Adding to that, ET is proposed to install one to two noise monitoring stations at Nob Hill in order to monitor the noise impact generated from the R8-LCKV Project to the resident of Nob Hill or the nearby buildings.	

Log Ref.	Location	Received Date	Details of Complaint	Investigation/Mitigation Action	Status
40330	Site Areas near Nob Hill	30 March 2004	 Highways Department (HyD) recently received a public noise complaint about construction noise generated from the Route 8 – Lai Chi Kok Viaduct (R8-LCKV) Project, near Nob Hill, Lai Chi Kok. HyD referred the complaint to the RSS and subsequently referred to the ET Leader of the Project on 30 March 2004. The complaint was raised by Mr. Yau, the Office of DCV Member Mr. Cheung Wing Shum, regarding the high pitch construction noise generated at the R8-LCKV site which cause serious nuisance to the residents at Mei Foo. 	 Based on the information provided by the RSS, the Contractor was not aware of any high pitched construction noise arising from plant employed for their works. The noise complaint referred to may be originated from the damage of a gas main valve on the afternoon of 29 March 2004 in the vicinity of the junction of Mai Lai Road with Lai King Hill Road. The high pitched whistle apparently resulted from the damage which was repaired by TownGas in that afternoon. Based on the information obtained, this noise complaint is considered not due to the construction activities of the Project. Nevertheless, the Contractor was recommended to adopt good site practice to minimize the construction noise, such as: To space out noisy equipment and position it as far away as possible from the sensitive receivers; To ensure the equipment are maintaining in good operation condition; and To turned off any idle equipment on site. 	Closed
40402	Nob Hill	06 April 2004	A public noise complaint was received by the Contractor (NECSO) on 02 April 2004 regarding the noise generated from the Ching Cheung Road Widening Works of the Route 8 – Lai Chi Kok Viaduct (R8-LCKV) Project, near Nob Hill, Lai Chi Kok. NECSO referred the complaint to the RSS and subsequently referred to the ET Leader of the Project on 6 April 2004	The complaint was raised by Ms Wong, regarding the noise generated from the Ching Cheung Road Widening Works of the R8-LCKV Project, which cause serious nuisance to her. Based on the information provided by the RSS, the plants employed by the Contractor for carrying out bored piling works in front of Nob Hill should not generate excessive noise. The RSS had also checked against the site records that no piling works was in progress in front of Nob Hill on 1-3 April 2004. According to telephone communication between the complainant (Ms Wong) and the RSS on 8 April 2004, the RSS reported that Ms Wong was not complaining about the construction noise generated by the R8-LCKV Project. She was actually complaining about the traffic noise she anticipated to be generated after completion of widening work at Ching Cheung Road in front of Nob Hill.	Closed

Log Ref.	Location	Received Date	Details of Complaint	Investigation/Mitigation Action	Status
Log Kei.				 During ET's weekly environmental site inspections on 17, 24 & 31 March 2004 and 7 April 2004, no serious noise nuisance induced by the Project works was observed at the construction sites near Nob Hill. Based on the joint site visit with the representative of HyD, IEC, RSS and ET to the Nob Hill on 30 March 2004, the major noise source at Nob Hill was identified as traffic noise on Ching Cheung Road, which is located very close to this building, especially at or above the Podium Floor (i.e. 5/F). Based on the information obtained, this noise complaint is considered not due to the construction activities of the Project. Nevertheless, the Contractor was recommended to adopt good site practice to minimize the construction noise, such as To space out noisy equipment and position it as far away as possible from the sensitive receivers; To avoid concurrent uses of noisy equipment near the sensitive area; 	Julus
				To ensure the equipment are maintaining in good operation condition; andTo turned off any idle equipment on site.	
40710	Pier P7 in Portion E1	10 July 2004	A public complaint was raised on 30 th June 2004 regarding the washout of muddy water from the site area of the Route 8 – Lai Chi Kok Viaduct (R8-LCKV) Project, at Pier P7 onto Lai Chi Kok Road. The complaint was referred to the RSS on 3 rd July 2004 and subsequently referred to the ET Leader of the Project on 10 th July 2004.	 Based on the information provided by the RSS, the spillage of muddy water was in fact due to a burst in a temporary water pipe being utilized in the piling operations at Pier P7 in Portion E1. Emergency remedial works were undertaken preventing further spillage of muddy water. The remaining ponding water within the works area arising from the burst was all removed from the area on 5th July 2004. During ET's weekly environmental site inspection on 14th July 2004, no serious water quality nuisance induced by the Project works was observed at the construction sites near Pier P7. It was also noted that the back of profile barriers along the site 	Closed

Log Ref.	Location	Received Date	Details of Complaint	Investigation/Mitigation Action	Status
			The complaint was raised by Mr. Chan, regarding the washout of	boundary had been sealed up by cement as preventive measures.	
			muddy water from the works area of the R8-LCKV Project onto Lai Chi Kok Road. The washout caused nuisance to the drivers utilizing the road, and may also cause danger to	During ET's weekly environmental site inspections on 17, 24 & 31 March 2004 and 7 April 2004, no serious noise nuisance induced by the Project works was observed at the construction sites near Nob Hill.	
			the motorbikes.	Based on the information obtained, the complaint is considered due to the construction activities of the Project. Emergency remedial works had been taken by the Contractor to rectify the situation and preventive measures had also been implemented.	
				 Nevertheless, the Contractor was recommended to adopt the following measures to avoid re-occurrence of similar incidents: to enhance surface runoff control measures along the site boundary; to provide adequate training to the frontline workers; and 	
				• to regularly inspect temporary water supply equipment, such as hose pipe to make sure the equipment is in good condition.	

Log Ref.	Location	Received Date	Details of Complaint	Investigation/Mitigation Action	Status
40809	Ching Cheung Road area near Nob Hill	22-Jul-04 (by EPD) 09-Aug-04 (by ET Leader)	 EPD received a public noise complaint on 22 July 2004 about construction noise and dust generated from Route 8 – Lai Chi Kok Viaduct (R8-LCKV) Project, at the Ching Cheung Road Area near Nob Hill. EPD subsequently referred the complaint to the ET Leader of the Project on 9 August 2004. The complaint was about the construction noise and dust observed at the Ching Cheung Road area near Nob Hill. The locations of the works areas being concerned by the complainant include: Area A: Works area between Nob Hill and Lai Chi Kok Park Swimming Pool Area B: Works area between Ching Cheung Road and Mei Lai Road / Lai Wan Road opposite to Mei Foo Sun Cheung (Phase 5) and Lai Chi Kok Public Library. 	 Information Provided by RSS Information (construction activities and equipment adopted) in a 2-week period before the date of complaint, i.e. 7 to 21 July 2004, was obtained from the Resident Site Staff. Area A: Item 1 – Drainage works by using 1 x backhoe; Item 2 – Bored piling works by using 1 x crawler crane, 1 x air compressor, 1 x reverse circulation drill and 1 x power pack; Item 3 – Trial trench excavation by man power; Item 4 – Gas main diversion by 1 x backhoe (performed by TGC's Contractor) Area B: No construction activity was undertaken in the concerned period. Review of Environmental Monitoring Results The routine monitoring stations, which are in the vicinity of the concerned works areas, include: Noise Monitoring NM4: R/F of Mei Foo Sun Chuen (Phase 5) NM8a: M/F of Nob Hill NM8b: 3/F of Nob Hill AM2: R/F of Lai Chi Kok Sports Centre No Action / Limit level exceedance was identified in July 2004. Environmental Site Inspection During the ET site inspections on 8th, 14th and 20th July 04, no major environmental deficiency with regard to noise and air quality was identified by the auditors. Conclusions Based on the RSS's information, environmental monitoring results as well as the observations made during site inspections, this complaint is considered to be invalid and not due to the construction activities of the Project. Nevertheless, the Contractor was recommended to adopt good site practice to minimize the construction noise and dust impacts, such as: 	Closed

Log Ref.	Location	Received Date	Details of Complaint	Investigation/Mitigation Action	Status
Log Ref.	Location	Received Date	Details of Complaint	 Investigation/Mitigation Action To space out noisy equipment and position it as far away as possible from the sensitive receivers; To avoid concurrent uses of noisy equipment near the sensitive area; To ensure the equipment are maintaining in good operation condition; To turn off any idle equipment on site. To cover excavated dusty materials by impervious sheeting; To provide water spray for haul roads, loading/unloading and concrete breaking operations; To perform wheel wash for every vehicle immediately before leaving the site. 	Status

Log Ref.	Location	Received Date	Details of Complaint	Investigation/Mitigation Action	Status
50215	Mei Foo Sun Chuen, Phase 5 (Retaining Wall CC-R3)	15-Feb-05 (by ET Leader)	A public complaint was raised on 8 th Feb 2005 regarding construction noise from the site area of the Route 8 – Lai Chi Kok Viaduct (R8-LCKV) Project near Mei Foo Sun Chuen. The complaint was referred to the Resident Site Staff on 14 th Feb 2005 and subsequently referred to the ET Leader of the Project on 15 th Feb 2005. The complaint was raised by a resident in Mei Foo Sun Chuen, regarding the noise generation from the piling work at Retaining Wall CC-R3, adjacent to Po Leung Kuk Tong Nai Kan College.	 Construction Activities During the weekly site inspection on 17 Feb 05, piling work was being conducted at the concerned. The major powered mechanical equipment (PME) in operation included a mobile crane, an air compressor, a reverse circulation drill and a generator. In view of the separation of the site area and the residential building (around 40 m) and also the high traffic noise from Ching Cheung Road as well as Mei Lai Road, the noise generated from the operation of the PME was believed to be insignificant. Environmental Monitoring The noise monitoring results at Station NM4 (Mei Foo Sun Chuen, Phase 5) for the last 3 months were reviewed in order to evaluate the noise impact from the Project on the noise sensitive receiver. The measured noise levels in last three threes were ranged from 70.8 to 75.8 dB(A). It was observed that the measured noise levels were well within the range of baseline noise levels (69.2 to 75.8 dB(A)). The corrected construction noise levels were found to be ranged from 63.5 to 71.5 dB(A), which were well below the noise criterion of 75 dB(A). Conclusions Based on the information obtained and the noise monitoring results, this complaint is considered to be invalid and not due to the construction activities of the Project. Nevertheless, the Contractor was recommended to adopt good site practice to minimize the construction noise impacts. 	Closed
50322	Seung Lai	11-Mar-05	Environmental Protection	Construction Activities	Closed

Log Ref.	Location	Received Date	Details of Complaint	Investigation/Mitigation Action	Status
	House, Wah	(by EPD)	Department (EPD) received a public		
	Lai Estate		noise complaint on 11 Mar 05 about	As advised by the RSS, the major construction work during 25	
	(Slope S1)	22-Mar-05	daytime construction noise	Feb 05 to 11 Mar 05 (2 weeks before the date of complaint) in	
		(by ET Leader)	generation from R8-LCKV. EPD	the vicinity of Wah Lai Estate included excavation work, soil	
			subsequently referred the complaint	nail work and installation of u-channel and manholes. The	
			to the Environmental Team (ET) Leader of the Project on 22 Mar 05.	major powered mechanical equipment included excavators, drilling machine and air compressor.	
			Leader of the Project on 22 Mar 05.	In view of the separation of the site area (Slope S1) and the	
			The complaint was raised by a	Seung Lai House (around 140 m) and also the traffic noise from	
			resident of Seung Lai House of Wah	Ching Cheung Road, the noise generated from the construction	
			Lai Estate, regarding the daytime	activities at Slope S1 was believed to be insignificant.	
			(0800-1800 hrs) construction noise		
			generated from the slope work and	Environmental Monitoring	
			road work of R8-LCKV Project. As		
			advised by EPD, the complainant is	Ad-hoc noise measurement was conducted at Seung Lai House	
			living on 20/F or above in Seung Lai	on 30 th Mar 05 and the measured noise level (Leq-30min) was	
			House.	66.9 dB(A), which was well below the criterion for daytime	
				construction noise of 75 dB(A). The construction noise level $($	
				(with reduction of background noise level) is expected to be	
				even lower.	
				Conclusion	
				Based on the information obtained and the noise measurement	
				results, this complaint is considered not justifiable.	
				Nevertheless, the Contractor was recommended to adopt good	
				site practice to minimize the construction noise impact.	
50220	*** 1 * *	20.14			
50330, 50221	Wah Lai	30-Mar-05, 31-	Four public complaints were lodged	Construction Activities	Closed
50331,	Estate	Mar-05, 4-Apr-05	by the residents of Wah Lai Estate		

Log Ref.	Location	Received Date	Details of Complaint	Investigation/Mitigation Action	Status
50404 &		& 7-Apr-05	regarding the construction noise from	The site of concern was likely to be Slope S1, which is around	
50407		(by ET Leader via	the site area of the Route 8 – Lai Chi	140 m away from Wah Lai Estate. The major construction work	
		RSS)	Kok Viaduct (R8-LCKV) Project	at Slope S1 included trimming of slope, soil nail work and	
			near Wah Lai Estate. The complaints	erection of u-channels and step channels.	
			were referred by the Resident Site		
			Staff to the Environmental Team (ET) Leader on 30 th , 31 st March, 4 th	Environmental Monitoring	
			and 7 th April 2005, respectively.	Ad-hoc noise measurement was conducted at Seung Lai House	
			and 7 April 2005, respectively.	on 30^{th} Mar 05 and 7^{th} Apr 05 and the measured noise levels	
				(Leq-30min) were ranged from 66.9 to 69.1 dB(A), which were	
				well below the criterion for daytime construction noise of 75	
				dB(A). The construction noise level (with reduction of	
				background noise level) is expected to be even lower.	
				Conclusion	
				Based on the results of the ad-hoc noise measurements at Wah	
				Lai Estate, no exceedance of daytime noise criterion of 75	
				dB(A) was recorded. The complaints lodged are therefore	
				considered not justifiable.	
				Mitigation	
				The Contractor agreed to arrange the noisy activities to	
				commence after 8:00 am. This arrangement could effectively	
				reduce the disturbance to the residents within the more sensitive	
				time period (7:00 am to 8:00 am).	
	M'E G	4-Apr-05	A public complaint was raised on 1 st	Construction Activities	
50404-v2	Mei Foo Sun	(by ET Leader via	April 2005 regarding construction		Closed
	Chuen	RSS)	noise from the site area of the Route	The site of concern was likely to Retaining Wall CC-R3,	

Log Ref.	Location	Received Date	Details of Complaint	Investigation/Mitigation Action	Status
			8 – Lai Chi Kok Viaduct (R8-LCKV) Project near Mei Foo Sun Chuen. The complaint was referred to the	adjacent to Po Leung Kuk Tong Nai Kan College. The major construction works at this area included bored piling works and excavation works.	
			Resident Site Staff and the ET Leader on 4 th April 2005.	Environmental Monitoring	
				According to the EM&A Manual, Mei Foo Sun Chuen, Phase 5 (NM4) is designated as one of the noise monitoring stations.	
				Since the commencement of the impact monitoring programme, the construction noise levels recorded at this station were all below the noise criterion.	
				Conclusion	
				Based on the noise monitoring results at Station NM4 (Mei Foo Sun Chuen), no exceedance of daytime noise criterion of 75 dB(A) was recorded since the commencement of the impact monitoring programme. The complaint lodged is therefore considered not justifiable.	
				Mitigation	
				The Contractor has agreed to arrange the noisy activities to commence after 8:00 am. This arrangement could effectively reduce the disturbance to the residents within the more sensitive time period (7:00 am to 8:00 am). The Contractor also agreed to provide some temporary noise barriers for the noisy machinery if found necessary.	
50613	Mei Foo Sun	7-Jun-05 (by EPD)	According to EPD, the complaint was raised by a resident of Mei Foo	Site Activities	Closed
	Chuen	13-Jun-05	Sun Chuen (Block 7, Phase 5) on 7 June 2005. It was about construction	The site of concern was likely to be CCR-R3. Bored piling works and demolition of existing retaining walls were	

Log Ref.	Location	Received Date	Details of Complaint	Investigation/Mitigation Action	Status
		(by ET Leader)	dust emitted intermittently from the	undertaken at this area in the period between 1 and 7 June 2005.	
			slope works undertaken on the other	It was believed that the demolition of existing retaining wall,	
			side of Mei Lai Road.	which involved concrete breaking, was the activity of concern.	
			The complainant was particularly	Observations	
			concerned about the fugitive dust emission during rock / concrete	On 1 Jun 05, one of the environmental deficiencies noted by the	
			breaking activities.	On 1 Jun 05, one of the environmental deficiencies noted by the ET was about fugitive dust emission from breaking activities at CCR-R3. The Contractor was reminded to provide sufficient	
				dust mitigation measures for the breaking works. Immediate action was taken by the Contractor to apply water spray for the works as observed during the audit session.	
				On 9 Jun 05, the breaking works were still being taken at CCR- R3. Water spray as a dust mitigation measure was being adopted by the Contractor during the audit. No observable dust emission was noted from the breaking works or other site activities.	
				On 15 Jun 05, the same area was re-inspected due to the receipt of the complaint from EPD. The demolition works had been finished and no other dust emissive activity was being taken. No other dust source from the construction site was observed during the inspection.	
				Conclusion	
				Based on the observations noted during our site inspections, this complaint is considered to be valid and related to the construction activities of the Project.	
				However, corrective action had been taken by the Contractor and the situation was found improved during the follow-up inspections.	
50721	Hei Lai House,	21-Jul-05	The complaint was lodged by a resident of Hei Lai House of Wah	Site Activities	Closed
50721	Wah Lai Estate	(by ET Leader)	Lai Estate through a Legislative Council member. The complaint was	The slope work at Slope S1 was likely to be the activity of concern. The work at Slope S1 recently included the operation	Closed

Log Ref.	Location	Received Date	Details of Complaint	Investigation/Mitigation Action	Status
Log Ref.	Location	Received Date	Details of Complaint about construction noise nuisance caused by rock breaking work, which claimed to be started from 8:30am daily, carried out at Ching Cheung Road near Wah Lai Estate. The complainant hoped that the rock breaking work could start later i.e. be carried out from noon to afternoon and the site could be fully enclosed. The Environmental Team (ET) of the Project received the complaint on 21 July 2005 and forwarded it to the Resident Site Staff (RSS) to obtain necessary information.	 Investigation/Mitigation Action of excavator mounted breakers, excavators and dump trucks. The time period of concern was within normal working hours (7am to 7pm) on a weekday not being a public holiday. The noise criterion is 75 dB(A) for domestic premises. Noise Measurement Ad-hoc measurements were carried out on the roof of Hei Lai House on 25 July 2005. The results show that the measured noise level is well below the noise criterion of 75 dB(A). The construction noise level (with reduction of background noise) is expected to be even lower. Conclusion Since the noise measurement results at Wah Lai Estate were below 75 dB(A), the complaint was considered not justifiable. Nevertheless, noise mitigation measures have been implemented by the Contractor to minimize the noise impact arising from the breaking activities: 1. Employment of silenced-type breakers; 2. Temporary noise barriers, attached with sound adsorption materials, were erected to screen the site of breaking from sensitive receivers 3. While the permitted hours for construction works are 7am to 7pm on non-holidays, the Contractor has commenced the rock breaking activity after 8:30am. 	Status
51107	Ching Cheung Road near Mei Foo Sun Chuen	7-Nov-05 (by the ET Leader)	Environmental Protection Department (EPD) received a public complaint about environmental nuisance generated from Route 8 – Lai Chi Kok Viaduct (R8-LCKV)	The site of concern was likely to be CCR-S4 and CCR-R3. According to RSS's records, bored piling works and soil nail drilling at CCR-R3, excavation works at CCR-S4 in the concerned period.	Closed

Log Ref.	Location	Received Date	Details of Complaint	Investigation/Mitigation Action	Status
			Project. EPD subsequently referred the complaint to the Environmental Team (ET) Leader of the Project on 7 November 2005. According to EPD, the complaint was raised by a resident of Mei Foo Sun Chuen. The complaint was about dark smoke, dust and noise nuisance caused by the construction work of R8-LCKV near Mei Foo Sun Chuen.	 Site Inspection After receipt of the complaint, an ad-hoc site inspection was carried by ET on 9 November 2005 and the following observations were made: Breaking activities were undertaken at CCR-R2 and R3. Continuous water spray was applied by the workers for dust suppression. Movable noise barriers were erected to alleviate the noise impact. The haul roads and exposed works areas were observed wet. A water sprinkler was installed at the CCR-S4 for water spraying. Most of the slope was shot-creted to avoid wind erosion. Bored piling work was carried out near the site exit of CCR-R3. Since bored piling mainly involves handling of wet materials, dust nuisance causing by this type of work is not anticipated. Gas exhaust from the machines was visually clear and no dark smoke was identified. Environmental Monitoring Air quality monitoring was conducted at Lai Chi Kok Sports Centre and noise monitoring is conducted at Mei Foo Sun Chuen. No exceedance was recorded for both monitoring. Conclusion 	
60118	Lai Po Road near Hoi Lai Estate	18-Jan-06 (by the ET Leader)	Environmental Protection Department (EPD) received a public complaint about environmental nuisance generated from Route 8 – Lai Chi Kok Viaduct (R8-LCKV) Project. EPD subsequently referred	<i>Site Activities</i> According to the RSS's records, night works were carried out by the Contractor between 2000 hrs on 14 January 2006 and 0530 hrs on 15 January 2006:	Closed

Log Ref.	Location	Received Date	Details of Complaint	Investigation/Mitigation Action	Status
Log Kel.			the complaint to the Environmental Team (ET) Leader of the Project on 18 January 2006. According to EPD, the complaint was lodged by a resident of Hoi Ming House of Hoi Lai Estate. The complaint was about construction noise nuisance caused by construction work of R8-LCKV carried out at Lai Po Road near Hoi Lai Estate. The noise nuisance was noted since 14 January 2006 during the periods from 2330 hrs to 0600 hrs.	 Investigation/Miligation Action Delivery of segment from storage yard near Pier P5/L to Pier 15 for erection; Stressing to temporary PT bars of segments at Pier B3. The above night works, which involved operation of tractor, mobile crane, lifting frame and generator, were undertaken under the two construction noise permits CNP no. GW-RW0739-05 and GW-RW0740-05. <i>Environmental Monitoring</i> In order to evaluate the noise impact onto the residents of Hoi Lai Estate, nighttime noise monitoring was carried out on 18 January 2006 at 23:00. The above monitoring results revealed that the measured noise levels were close to the reference background levels. After correction of the mean background level, all corrected noise levels were below the noise criterion of 55 dB(A). <i>Conclusion</i> Based on the information collected and the monitoring results, the complaint is considered not justifiable. Nevertheless, the Contractor was reminded to take sufficient noise mitigation measures to minimize the environmental impact on the nearby community. 	Status
60119	Mei Foo Sun Chuen (Phase 5)	18-Jan-06 (by the ET Leader)	Environmental Protection Department (EPD) received a public complaint about environmental nuisance generated from Route 8 – Lai Chi Kok Viaduct (R8-LCKV) Project. EPD subsequently referred the complaint to the Environmental	Site Activities The site of concern was likely to be CCR-S4, CCR-R2 and CCR-R3. According to RSS's records, site activities included: • Trimming of existing rock slope at CCR-S4; • Excavation and rock dowel installation at CCR-R2; and • Construction of cable trough at CCR-R3 by CLP's	Closed

Log Ref.	Location	Received Date	Details of Complaint	Investigation/Mitigation Action	Status
			Team (ET) Leader of the Project on 19 January 2006. According to EPD, the complaint was raised by a resident of Mei Foo Sun Chuen via a Sham Shui Po District Council Member's Office. The complaint mentioned that residents of Mei Foo Sun Chuen Stage 5 were adversely affected by construction dust caused by the Route 8 work carried out at the slopes adjacent to Ching Cheung Road.	 contractor. Site Inspection After receipt of the complaint, an ad-hoc site inspection was carried by ET on 19 January 2006. No environmental deficiency regarding construction dust was identified during the inspection. Environmental Monitoring All monitoring results in Jan 06 revealed that no exceedance was recorded for the air quality (1-hr and 24-hr TSP) criteria. Contractor's Action The Contractor of R8-LCKV had implemented several dust mitigation measures: Haul roads, exposed slope surface and soil stockpiles were watered regularly by hose pipes and sprinklers; Idled exposed slope were shot-creted; and Watering was applied for the dust emissive activities, such as loading and unloading of dusty materials, excavation and breaking works. Conclusion Based on the ad-hoc site inspection and the environmental monitoring results, this complaint was considered not justifiable. Nevertheless, the Contractor was reminded to keep on the dust mitigation measures being implemented and step up the measures if necessary. 	
60213 60216 60220 60222	Hoi Lai Estate (Lai Po Road)	13-Feb-06 16-Feb-06 20-Feb-06 22-Feb-06 (by the ET Leader)	Four environmental complaints were received in this reporting month. Three of them were referred by EPD on 13 th , 20 th and 22 nd Feb 06 and the other one was referred by HyD via MHJV on 16 th Feb 06.	<i>Site Activities</i> Since around mid-January 2006, segments were transported to Piers P15 and B4, under the permission of construction noise permit (CNP).	Closed

Log Ref.	Location	Received Date	Details of Complaint	Investigation/Mitigation Action	Status
			All about construction noise due to night works at Lai Po Road near Hoi Lai Estate.	It was suspected that the sound of concern was generated from tractors for precast segment transportation. In view of the safety of workers, an alert sound and flashing are maintained during backing action of the tractors.	
				Site Inspection	
				An ad-hoc inspection was carried out by the ET on 16 Feb 06 from 00:30 to 02:30 am. Noise measurement was carried out during the inspection to evaluate the noise impact onto the residents of Hoi Lai Estate. During the monitoring, the major noise source identified was the road traffic noise from Sham Mong Road and Lai Po Road. No alarm sound or alike from the construction equipment was noted. The above monitoring results revealed that the measured noise levels were close to the reference baseline level. After correction of the mean background level, most of data were below the noise criterion of 55 dB(A).	
				Conclusion	
				Based on the information collected and the monitoring results, the complaints are considered not justifiable.	
				It was suspected that the nuisance was caused by the alert sound of tractors during backward movement which servers as a safety measure. However, the RSS and the Contractor are considering the possibility of lowering the alert sound level or replacing by a less disturbing pitch in order to minimize the noise nuisance to residents of Hoi Lai Estate.	
			Environmental Protection Department (EPD) received a public complaint about environmental nuisance generated from Route 8 – Lai Chi Kok Viaduct (R8-LCKV) Project. EPD subsequently referred the complaint to the ET Leader on 20	<i>Site Activities</i> According to the Resident Site Staff (RSS)'s records, the construction works were carried out by the Contractor from daytime to 2230 hours on 14 April and from 2000 hours to 0600 hours16 April 2006.	

Log Ref. Loca	ation	Received Date	Details of Complaint	Investigation/Mitigation Action	Status
Near b Lai Est 60420 West K	both Hoi tate and Cowloon hway	20-Apr-06 (by the ET Leader)	April 2006. The complaint is about construction noise nuisance caused by construction work of night works at location near both Hoi Lai Estate and West Kowloon Highway between 14 and 17 April 2006.	 The construction activities near Hoi Lai estate included: - Erecting segments at column PA/R; Stressing of top tendon wires of segments and erecting segments at column P1/R; and Transporting segments to storage yard. The above construction activities were undertaken under a construction noise permit CNP no. GW-RW0172-06. Base on the RSS's preliminary investigation, it was suspected that the noise nuisance of concern was caused by loading and unloading of materials, hammering and/or dropping of materials on ground during the stressing works and transportation of precast segment by tractors. <i>Contractor's Action</i> The Contractor had implemented a short term mitigation measures:- Turned off the alert sound of tractors during backward movement in order to reduce the potential for noise impact; Strengthened their management on worker's working manner such as avoid dropping of material on ground, wrapping up of hammering equipment and etc.; and Conducted training of worker in order to reducing noise nuisance during the night works. 	Close
				It was suspected that the nuisance was caused by loading and unloading of materials, hammering and/or dropping of materials on ground during the stressing works and	

Log Ref.	Location	Received Date	Details of Complaint	Investigation/Mitigation Action	Status
				transportation of precast segment by tractors. The Contractor has strictly complied with PME allowed in the CNP No. GW-RW0172-06. Besides, night work at the concerned location was completed. No further construction work at night at this location is anticipated. <i>Site Activities</i>	
60428	Between Ching Cheung Road and Mei Lai Road (near Phase 5 of Mei Foo Sun Chuen)	28-Apr-06 (by the ET Leader)	Environmental Protection Department (EPD) received a public complaint about tree cutting in the area between Ching Cheung Road and Mei Lai Road (near Phase 5 of Mei Foo Sun Chuen). EPD subsequently referred the complaint to the ET Leader on 28 April 2006. The complaint was about the Contractor cu trees in the area between Ching Cheung Road and Mei Lai Road (near Phase 5 of Mei Foo Sun Chuen). This had removed the traffic noise barrier effect of the trees and hence made the residents of Mei Foo Sun Chuen becoming being seriously affected by the traffic noise nuisance.	 According to the Resident Site Staff (RSS)'s records, current construction activities included segment erection works for Slip Road D, excavation works for cut slope CCR-S4 and retaining wall construction at CCR-R2 and CCR-R3. Since excavation for cut slopes and construction of slip road D are required at this area, tree cutting is unavoidable. Tree felling application was approved by DLO/KW. <i>Contractor Action</i> Under the EP condition and EIA, there is no need for this project to mitigate the traffic noise barrier effect due to the removal of tress. No follow up action was required for this complaint. <i>Conclusion</i> Under the EP conditions and EIAO, there is no need for this project to mitigate the traffic noise barrier effect due to the removal of trees. Based on the information collected, the complaint is considered not justifiable. Since excavation for cut slopes and construction of slip road D are required at this area, tree cutting is unavoidable. Tree felling application was approved by DLO/KW. 	Close

Log Ref.	Location	Received Date	Details of Complaint	Investigation/Mitigation Action	Status
Log Ref.	Location	Received Date	Environmental Protection Department (EPD) received a public complaints about noise nuisance generated from Route 8 – Lai Chi Kok Viaduct Project. EPD	Compensatory planting will be provided at the concerned area after completion of the construction works in order to improve the landscape and visual impacts. No follow up action will be required for this complaint. <i>Site Activities</i> According to the RSS's records, only precast segment transportation works at the concerned area which was used as the segment storage yard near Pier P5L to Piers near Mui Kong	Status
60522	Hoi Lai Estate (Hoi Fai House)	22-May-06 (by ET Leader)	subsequently referred the complaint to ET Leader on 22 May 2006. The complaint was concerned about the noise produced from construction work during the period between 2300 hours and 0100 hours every night since 3 weeks ago. The complaint described the noise being like sound of poring concrete.	Tsuen. No concreting activities were carried out at the abovementioned area between 2300 hours and 0100 hours every night in concerned period. In addition, the transportation works were usually carried out from 2000 hours to 0300 hours (or before 0300 hours). <i>Contractor Action</i> The idle and backup equipments such as tractors has turned off or throttled down in order to reduce the noise impact since the last complaint on this issue near Hoi Lai Estaet. Besides, the above night works were undertaken with three construction noise permits.	Closed
				Site Inspection An ad-hoc inspection was carried out by the ET at 2300 on 26 May 2006. During the inspection, no construction activities were carried out at the concerned area, where the tractor and mobile crane were throttled down. Conclusion According to RSS's information, no concreting activities were	

Log Ref.	Location	Received Date	Details of Complaint	Investigation/Mitigation Action	Status
				 carried out at the concerned area. Therefore, the major noise nuisance (pouring concrete) might not be generated from the abovementioned area. Besides, the Contractor strictly complied with PME allowed in the CNP No. GW-RW0172-06. In addition, the Contractor had turned off the alert sound of tractors during backward movement. Based on the information collected, the complaint is considered not justifiable. However, the Contractor was reminded to continuously implement their practice to prevent noise nuisance generation due to the construction works. The site situation will be 	
			The Integrated Complaint Centre	continuously reviewed by ET and RSS also. Site Activities	
60609	Near Phase 5 of Mei Foo Sun Chuen	9-Jun-06 (by ET Leader)	The Integrated Complaint Centre (ICC) of HKSAR received a public complaint about environment nuisance generated from Route 8 – Lai Chi Kok Viaduct (R8-LVKC). Resident Site Staff (RSS) subsequently referred the complaint to the ET Leader on 9 June 2006. The complaint was about the noise generated from rock excavation work from 9 a.m. to 6 p.m. at the area between Ching Cheung Road and Mei Lai Road (near Phase 5 of Mei Foo Sun Cheun).	Site ActivitiesAs advised by the RSS, the site of concerned area was likely to be CCR-S4.According to the RSS's records, 1 number of excavator mounted breaker was unsed to carry out rock breaking work at CCR-S4 during the period between 9 a.m. and 6 p.m.The excavation and rock breaking activities at the concerned area will likely be completed by end of September 2006.Contractor ActionThe silent rock breaking equipment has been used and noise barriers were erected to minimize the noise impact generated from the breaking activity.Site Inspection and Environmental Monitoring An ad-hoc inspection was carried out by ET on 14 June 2006 from 1:30 p.m. to 4:30 p.m. and 16 June 2006 from 4:00 p.m. to 4:45 p.m.	Closed

Log Ref.	Location	Received Date	Details of Complaint	Investigation/Mitigation Action	Status
				During the inspections, the construction activities at CCR-S4 included handheld breaking, excavation and rock breaking activities were carried out at CCR-S4. However, the temporary noise barriers were erected at the abovementioned location as same as RSS's mentioned.	
				Noise measurement was carried out during the inspection to evaluate the noise impact onto the residents of Mei Foo Sun Chuen. The monitoring location was original monitoring location NM4 (Mei Foo Sun Chuen Phase 5).	
				The measured monitoring results were close to the reference baseline level. After correction of the mean background level, the monitoring data were below the noise criterion of 75 dB(A).	
				Conclusion	
				Base on the information collection and the monitoring result, the complaint was considered not justifiable.	
				The Contractor had implemented noise mitigation measures to minimize the noise impact. Besides, the monitoring result were below the noise criteria of 75dB(A). However, the Contractor was still reminded to continuously implement their practice to prevent noise nuisance generation from the construction works.	
				The environmental conditions of the site will be continuously reviewed by the RSS and the ET.	
60626	Near Phase 5 of Mei Foo Sun Chuen	26 Jun 06	The Integrated Complaint Centre (ICC) of HKSAR received a public complaint through a facsimile on 12 June 2006 about an environmental	Site Activities As advised by the RSS, the site of concerned area was likely to be CCR-S4.	
		(by FTT eader)	nuisance generated from Route 8 – Lai Chi Kok Viaduct 9R8-LCKV) Project. Resident Site Staff (RSS) subsequently referred the complaint to the ET Leader on 26 June 2006.	According to the RSS's records, 1 number of excavator mounted breaker was unsed to carry out rock breaking work at CCR-S4 during the period between 9 a.m. and 6 p.m.	Closed
1				The excavation and rock breaking activities at the concerned	

Log Ref.	Location	Received Date	Details of Complaint	Investigation/Mitigation Action	Status
			According to the explanation from	area will likely be completed by end of September 2006.	
			the RSS, this complaint was indeed		
			the same as that received by the ET		
			on 9 June 2006. The complaint	Contractor Action	
			initiated the complaint verbally to the		
			ICC on 8 June 2006 and then also	The silent rock breaking equipment has been used and noise	
			issued a facsimile to the ICC. The	barriers were erected to minimize the noise impact generated	
			facsimile was transferred to the RSS	from the breaking activity.	
			on 12 June 06 and eventually reached	Cite Instruction and Environmental Maritanian	
			the ET on 26 June 2006.	Site Inspection and Environmental Monitoring	
			The complaint was about the noise	As the complaint was identical to the one received on 9 June 06	
			generated from rock excavation work	by the ET, the ad-hoc inspections carried out on 14 June 2006	
			from 9 a.m. to 6 p.m. at the area	from 1:30 p.m. to 4:30 p.m. and 16 June 2006 from 4:00 p.m. to	
			between Ching Cheung Road and	4:45 p.m. were still applicable to this report. In addition, further	
			Mei Lai Road (near Phase 5 of Mei	ad-hoc inspections were carried out on 28 June 2006 from 1:30	
			Foo Sun Cheun).	p.m. to 4 :00 p.m. and 3 July 2006 from 9:30 a.m. to 11:30 a.m.	
			This complaint was made by the	During the aforesaid inspections, the construction activities at	
			same complainant to the ICC through	CCR-S4 included handheld breaking, excavation and rock	
			two different channels (by phone and	breaking activities were carried out at CCR-S4. However, the	
			by facsimile) and the ET of the	temporary noise barriers were erected at the abovementioned	
			Project was firstly notified on 9 June	location.	
			2006. A complaint investigation		
			report was issued on 22 June 06.	In addition to the noise measurement conducted on 14 and 16	
			As the ET received this concrete	June 2006, further noise measurement was carried out on 30 June 2006 to evaluate the noise impact onto the residents of Mei	
			As the ET received this separate complaint after the issue of the	Foo Sun Chuen. The monitoring location was original	
			complaint investigation report and	monitoring location NM4 (Mei Foo Sun Chuen Phase 5).	
			considered the nature of the	monitoring rotation range (mor roto buil chuch r hase 5).	
			complained event (general	Noise measurement carried out on 30 June 06, after correction	
			construction during daytime but not	of the mean background level, the monitoring data were below	
			single event at a particular moment),	the noise criterion of 75 dB(A)	
			the complaint investigation		
			procedures were initiated.	Conclusion	
				This complaint was identical to the one received by the ET on 9	
				June 06 because the complainant addressed the complaint to the	
				ICC through two different channels (by phone and by	

Log Ref.	Location	Received Date	Details of Complaint	Investigation/Mitigation Action	Status
				facsimile). The facsimile was transferred to the RSS on 12 June 06 and eventually reached the ET on 26 June 06.	
				Base on the information collection and the monitoring result, the complaint was considered not justifiable.	
				The Contractor had implemented noise mitigation measures to minimize the noise impact. Besides, the monitoring result were below the noise criteria of 75dB(A). However, the Contractor was still reminded to continuously implement their practice to prevent noise nuisance generation from the construction works.	
				The environmental conditions of the site will be continuously reviewed by the RSS and the ET.	
60830	Near Mei Foo and Lai King Hill Road	30-Aug-06 (by ET Leader)	The Integrated Complaint Centre (ICC) of HKSAR received a public complaint on 25 August 2006 about an environmental nuisance generated from Route 8 – Lai Chi Kok Viaduct 9R8-LCKV) Project. Resident Site Staff (RSS) subsequently referred the complaint to the ET Leader on 30 August 2006. The complaint was concerned about dust generated from the rock drilling works affected the nearby ASRs. The complaint described that spraying of water during rock drilling works was not implemented.	 Site Activities According to RSS's record, rock dowel installation for slope stabilization at CCR-S1 was commenced on 22 August 2006 and would likely last for at least 6 months. Contractor Action After receiving the complaint, the Contractor has further enhanced the dust mitigation measures as follows:- Enclosing the rock dowel drilling work on three sides, i.e. top, back and the left hand side, with tarpaulin sheets; Spraying of water at the hole during drilling; Wrapping the head of the drilling rig with a wet thick towel. Site Inspection and Environmental Monitoring During the monthly site inspection on 4th September 2006, rock drilling at the slope CCR-S1 was carrying out. The ET observed that the work area was enclosed by tarpaulin sheets at three sides. Water was sprayed continuously at the drilling hole and head of the drilling rig was enclosed with a wet thick towel. All the mitigation measures mentioned by the RSS were 	Closed

Log Ref.	Location	Received Date	Details of Complaint	Investigation/Mitigation Action	Status
Log Ref.	Location	Received Date	Details of Complaint	 implemented. <i>Conclusion</i> Base on the information collected and the monitoring results, the complaints are considered not justifiable. It was because there was no exceedance of the air quality monitoring results and dust mitigation measures were implemented by the Contractor during the rock drilling works. However, the Contractor was still reminded to take sufficient dust mitigation measures to minimize the environmental impact on the nearby community: Enclose dusty activity such as rock drilling with tarpaulin sheet; 	Status
				 Apply water spraying for any dust emissive activities, such as breaking, excavation, loading and unloading of dusty materials; Cover long-term idle exposed slope surfaces and stockpiles with tarpaulin sheets. 	
				reviewed by the RSS and the Environmental Team through site inspections and monitoring exercises.	
60831	Between Lai Wan Road and Lai King Hill Road	31-Aug-06 (by ET Leader)	Environmental Protection Department (EPD) received a public complaint about environment nuisance generated from Route 8 – Lai Chi Kok Viaduct Project. EPD subsequently referred the complaint to ET Leader on 31 August 2006.	Site Activities According to RSS's record, rock dowel installation for slope stabilization at CCR-S1 was commenced on 22 August 2006 and would likely last for at least 6 months. Contractor Action	Closed
			The complaint was concerned about construction noise, dust and waste water generated from the construction work affect the nearby	drilling works at the concerned area were conducted between	

Log Ref.	Location	Received Date	Details of Complaint	Investigation/Mitigation Action	Status
			NSRs after 19.00 hrs, the nearby ASRs and discharged to exiting road	after 18:00.	
			respectively	As advised by the RSS, tarpaulin sheet covering and water spraying were provided by the Contractor to mitigate the dust nuisance generated from the rock drilling works. On 31 August 2006, the Contractor was further enhanced the dust mitigation measures as follows:-	
				• Enclosing the rock dowel drilling work on three sides, i.e. top, back and the left hand side (LHS) with tarpaulin sheets;	
				• Spraying water at the hole during drilling;	
				• Wrapping the head of the drilling rig with a wet thick towel.	
				Site Inspection and Environmental Monitoring	
				During the monthly site inspection on 4 th September 2006, rock drilling at the slope CCR-S1 was carrying out. The ET observed that the work area was enclosed by tarpaulin sheets at three sides. Water was sprayed continuously at the drilling hole and head of the drilling rig was enclosed with a wet thick towel. All the mitigation measures mentioned by the RSS were implemented.	
				Conclusion	
				Base on the information collected and the monitoring results, the complaint was considered not justifiable.	
				It was because there was no exceedance of the air quality monitoring results and dust mitigation measures were implemented by the Contractor during the rock drilling works. No construction activities were carried after 18:00 in the period mentioned by the complainant. In addition, no wastewater discharge was observed.	
				However, the Contractor was still recommended to take the following mitigation measures to minimize the environmental impact on the nearby community:	

Log Ref.	Location	Received Date	Details of Complaint	Investigation/Mitigation Action	Status
				Dust Nuisance	
				• Enclose dusty activity such as rock drilling by tarpaulin sheet;	
				• Apply water spraying for any dust emissive activities, such as breaking, excavation, loading and unloading of dusty materials;	
				• Cover long-term idle exposed slope surfaces and stockpiles with tarpaulin sheets.	
				Construction Noise	
				The Contractor was reminded that construction activities during restricted hours could only be carried out with a valid Construction Noise Permit (CNP). In addition, appropriate noise mitigation measures described in the CNP should be implemented in order to minimize the noise impact on the nearby noise sensitive receivers.	
				Wastewater Discharge	
				• Fill up the gaps under the footings of hoarding fence along Lai King Hill Road so as to prevent spillage of muddy water during heavy rain onto the existing road.	
				The environmental conditions of the site will be continuously reviewed by the Resident Site Staff and the Environmental Team through site inspections and monitoring exercises.	
			The Integrated Complaint Centre	Site Activities	
60925	Near Ching Cheung Road, Nob Hill and Mei Lai Road	25-Sep-06 (by ET Leader)	Ine Integrated Complaint Centre (ICC) of HKSAR received a public complaint on 25 September 2006 about the an environmental nuisance generated from Route 8 – Lai Chi Kok Viaduct 9R8-LCKV) Project. Resident Site Staff (RSS) subsequently referred the complaint to the ET Leader on 25 September 2006.	According to RSS's record, rock dowel installation for slope stabilization at the Slope CCR-S1 was commenced on 22 August 2006 and would last for at least 6 months and the first batch of rock drilling works at the Slope CCR-S4 was commenced on 19 September 2006 and completed on 23 September 2006.	Closed

Log Ref.	Location	Received Date	Details of Complaint	Investigation/Mitigation Action	Status
Log Ref.	Location	Received Date	Details of Complaint The complaint was concerned about the noise generated from the construction works after 19:00 at the area near Ching Cheung Road, Nob Hill and Mei Lai Road	 After receiving the complaint, the Contractor has further enhanced the noise mitigation measures as follows:- Placing of a wooden box to cover the head of drilling; Spraying of water at the hole during drilling and erecting of nylon sheets; Providing silent type drilling rigs for the drilling works at both Slopes CCR-S1 and CCR-S4 Site Inspection and Environmental Monitoring During the weekly site inspection on 27 September 2006, rock drilling at the Slope CCR-S1 was not carrying out. The ET observed that the work area was enclosed by tarpaulin sheets at three sides. Temporary noise barrier was erected at the working platform of the Slope CCR-S1. The ET also undertook an ad hoc site inspection at the concerned areas after 19:00 on 27 September 2006. No construction activities were observed and noise monitoring was not conducted. Conclusion 	Status
				<i>Conclusion</i> Base on the information collected and the monitoring results, there was no exceedance of the noise monitoring results and noise mitigation measures were implemented by the Contractor during the rock drilling works.	
				However, the Contractor was still reminded to carry out construction activities only within the permitted working hours (i.e. $07:00 - 19:00$ on weekday) and to take sufficient noise mitigation measures to minimize the environmental impact on the nearby community:	
				 Provide silent type drilling rigs for the drilling works; Placing of wooden box to cover the head of drilling; Apply water spraying for at the hole during drilling; 	

Log Ref.	Location	Received Date	Details of Complaint	Investigation/Mitigation Action	Status
Log Ref.		Received Date	The Integrated Complaint Centre (ICC) of HKSAR received a public complaint on 25 th October 2006 regarding noise nuisance generated from Route 8 – Lai Chi Kok Viaduct R8-LCKV) Project. Resident Site Staff (RSS) subsequently referred the complaint to the ET Leader on 25 th October 2006. The complaint was concerned about the noise nuisance generated from workers and construction vehicles during the mid-night between 0100 and 0200 on both 19 th and 20 th	The environmental conditions of the site will be continuously reviewed by the RSS and the Environmental Team through site inspections and monitoring exercises. Site Activities: According to RSS's record, installation of catchfan at Pier P5/L to P6 near PCCW was carried out at around 0115 to 0500 at both nights of 19 th and 20 th October 2006. The construction equipment used in both nights included one mobile crane, one crane lorry and one generator. Contractor Action According to RSS' record, acoustic material wrapping the head of chain blocks and hessian bags placing on ground around catchfans to suppress noise generation when hand tools were dropped onto ground. Environmental Monitoring An ad-hoc site observation and noise monitoring at Hoi Fai	Status
61025	Lai Chi Kok Road Flyover near PCCW building	25-Oct-06 (by ET Leader)	October 2006 at Lai Chi Kok Road Flyover near PCCW building.	 House of Hoi Lai Estate were conducted by the Contractor on 26th October 2006 between 0100 and 0130. The ET also carried out an ad-hoc inspection on 28th October 2006 from 0100 to 0200. During the inspection, segment erection work was carried out at Pier P5 to P6, which involved the operation of mobile crane and movement of lorry and trucks. During the monitoring, the major noise source identified was the road traffic noise. The monitoring results revealed that the measured noise levels were close to the reference background levels. After correction of the mean background level, all corrected noise levels were below the noise criterion of 55 dB (A) which consists with the noise monitoring results from the Contractor. Conclusion Based on the information collected, the complaint is considered justifiable although the monitoring results complied with the noise criteria. 	Closed

Log Ref.	Location	Received Date	Details of Complaint	Investigation/Mitigation Action	Status
				 Nevertheless, the Contractor was reminded to take sufficient noise mitigation measures to minimize the environmental impact on the nearby community: To strengthen management on worker's working manner, such as avoiding dropping materials on ground; No hammering is allowed during restricted hours; and To provide adequate training to workers working, esp. for night works. 	
61103	Pier C13 and C14 at Lai Wan Road Overpass	3-Nov-06 (by ET Leader)	The Integrated Complaint Centre (ICC) of HKSAR received a public complaint on 28 th October 2006 regarding noise nuisance generated from Route 8 – Lai Chi Kok Viaduct R8-LCKV) Project. Resident Site Staff (RSS) subsequently referred the complaint to the ET Leader on 3 rd November 2006. The complaint was concerned about noise generated from the general cleaning work of deck surface using water jet between Pier C13 and C14 at Lai Wan Road Overpass, at the evening of 28 th October 2006.	Team. Site Activities According to the RSS's record, there is a CNP (CNP no. GW- RW0563-06) at the concerned location. Construction activities were allowed to be carried out between 19:00hr and 23:00hr (any day not being a general holiday) under the CNP. Environmental Monitoring During the weekly site inspections in October 2006, no non- compliance or observation on noise was recorded. Accordance to the EM&A program, two noise monitoring stations at Nob Hill, namely (NM8a and NM8b), have been set up in order to monitor the noise level generated from the construction activities. The Station (NM8b) is strongly influenced by road traffic noise from Ching Cheung Road. The measurement at this station is for reference purpose, but not for compliance check for construction noise. All measured value were lower than the noise criterion of 75 dB(A). No exceedance of noise level has been recorded in October 2006. Moreover, based on our site observation record during monitoring, road traffic noise from Ching Cheung Road was the major noise source. Conclusion Based on the information collected, the complaint is considered not justifiable.	Closed

Log Ref.	Location	Received Date	Details of Complaint	Investigation/Mitigation Action	Status
				Nevertheless, the Contractor was reminded to take sufficient noise mitigation measures to minimize the environmental impact on the nearby community:	
				As the general cleaning work could be carried out during normal working hours (i.e. 07:00 to 19:00hr) instead as the work was not critical. RSS would remind the Contractor to programme their works better in order to minimize nuisance to nearby residents. The environmental conditions of the site will be continuously reviewed by the Resident Site Staff and the Environmental Team.	
			The Integrated Complaint Centre (ICC) of HKSAR received a public complaint through telephone on 18 th November 2006 regarding noise nuisance generated from Route 8 – Lai Chi Kok Viaduct R8-LCKV) Project. Resident Site Staff (RSS) subsequently referred the complaint to the ET Leader on 21 st November 2006. The complaint was concerned about	Site Activities According to RSS's record, rebar fixing, formwork erection, placing concrete and preparation work for construction joint were carried out at the concerned site during the period of 13 th to 18 th November 2006 and the construction works within the mentioned period were occasionally finished at 18:30. As advised by the RSS, the RSS has recommended the Contractor to finish the construction works at the concerned areas before 18:00 in order to minimize the noise nuisance to the public.	
61121-1	Area near Lai Chi Kok Swimming Pool	Kok21-Nov-06ming(by ET Leader)	 noise generated from the construction works between 09:00 and 18:30 at the area near Lai Chi Kok Swimming 	<i>Environmental Monitoring</i> During the weekly site inspections in November 2006, no non- compliance or observation on noise was recorded.	Closed
	1 001		Pool.	Accordance to the EM&A programme, one noise monitoring station at Mei Foo Sun Chuen, Phase 5 (NM4) and two noise monitoring stations at Nob Hill, namely (NM8a and NM8b), were set up in order to monitor the noise level generated from the construction activities. The Station (NM8b) is strongly influenced by road traffic noise from Ching Cheung Road. The measurement at this station is for reference purpose, but not for compliance check for construction noise.	
				The noise monitoring results in the period between 1 st and 21 st November 2006 at the M/F of Nob Hill and at Mei Foo Sun Chuen, Phase 5 are all lower than or equal to the noise criterion	

Log Ref.	Location	Received Date	Details of Complaint	Investigation/Mitigation Action	Status
				of 75 dB(A). No exceedance of noise level has been recorded in the above mentioned period. Moreover, based on our site observation record during monitoring, road traffic noise from Ching Cheung Road was the major noise source.	
				<i>Conclusion</i> Base on the information collected and the monitoring results, the complaint was considered not justifiable.	
				However, the Contractor was still reminded to finish the construction works at the concerned areas before 18:00 and to carry out construction activities only within the permitted working hours (i.e. $07:00 - 19:00$ on weekday).	
				The environmental conditions of the site will be continuously reviewed by the RSS and the Environmental Team through site inspections and monitoring exercises.	
			The Integrated Complaint Centre (ICC) of HKSAR received a public complaint through telephone on 17th November 2006 regarding dust and noise nuisance generated from Route 8 – Lai Chi Kok Viaduct R8-LCKV) Project. Resident Site Staff (RSS) subsequently referred the complaint to the ET Leader on 21st November 2006.21-Nov-06	Site Activities According to RSS's record, construction works adjacent to Tong Nai Kan College in the past years included the construction of Retaining Wall CCR-R3 and Slip Road D. As advised by the RSS, noise and dust mitigation measures such	
61121-2	Construction works opposite			as provision of noise barriers and acoustic materials at drill pit, dust suppression system and water browser were provided in order to minimize the noise and dust nuisance generated from the above mentioned construction activities.	Closed
01121 2	Tong Nai Kan College	(by ET Leader)	The complaint was concerned about	Environmental Monitoring	eloseu
	Conce		dust and noise generated from the construction works opposite Tong Nai Kan College in the past years.	During the weekly site inspections in November 2006, no non- compliance or observation on noise and air at the concerned site was recorded.	
				Accordance to the EM&A programme, one noise monitoring station at Mei Foo Sun Chuen, Phase 5 (NM4) and one air monitoring station at Lai Chi Kok Sports Centre (AM2), were set up in order to monitor the noise and dust level generated from the construction activities.	

Log Ref.	Location	Received Date	Details of Complaint	Investigation/Mitigation Action	Status
				The monitoring results revealed that no exceedance was recorded for the noise and air quality (1-hr and 24-hr TSP).	
				<i>Conclusion</i> Base on the information collected and the monitoring results, the complaint was considered not justifiable.	
				However, the Contractor was still reminded to continuously implement their practice, such as providing noise barrier with acoustic materials at drill pit and applying water spraying for any dust emissive activities to minimize the noise and dust nuisance generated from these construction activities.	
				The environmental conditions of the site will be continuously reviewed by the RSS and the Environmental Team through site inspections and monitoring exercises.	
61205	Banyan Garden	5 th December 2006 (by ET Leader)	Environmental Protection Department (EPD) received a public complaint about environment nuisance generated from Route 8 – Lai Chi Kok Viaduct Project. EPD subsequently referred the complaint to ET Leader on 5 th December 2006. The complaint was concerned construction noise near Banyan Garden within the period of 01:00 – 02:00hr on 29 th November 2006.	 Site Activities According to RSS's record, a catchfan was moved from bay (AL-62) to (AL-58) from 22:00 to 02:00hr. Installation of catchfan at parapet bay (MS-R-74) was carried out from 00.00 to 04:00hr on 29th November 2006. As advised by the RSS, the Contractor has been requested to: Wrapping of tools with acoustic material Erection of noise barrier (mill barrier with acoustic material) adjacent to isolated noise source Placing of hessin bags on ground to mitigate noise generated as a result of the dropping of tools on ground. According to the RSS, there is no evidence of hammering of metals on site. <i>Conclusion</i> Based on the information collected, the complaint is considered unjustifiable. 	Closed
				Nevertheless, the Contractor was reminded to take sufficient noise mitigation measures to minimize the environmental	

Log Ref.	Location	Received Date	Details of Complaint	Investigation/Mitigation Action	Status
				 impact on the nearby community: To strengthen management on worker's working manner, such as avoiding dropping materials on ground; No hammering is allowed during restricted hours; and To provide adequate training to workers working, esp. for night works. The environmental conditions of the site will be continuously reviewed by the Resident Site Staff and the Environmental Team. 	
70117-1	P6 – P8 near Lai Chi Kok Road Interchange	17 th January 2007 (by ET Leader)	The Integrated Complaint Centre (ICC) of HKSAR received a public complaint through telephone on 16 th January 2007 regarding noise nuisance generated from Route 8 – Lai Chi Kok Viaduct R8-LCKV) Project. Resident Site Staff (RSS) subsequently referred the complaint to the ET Leader on 17 th January 2007. The complaint was concerned about noise generated from the P6 – P8 near Lai Chi Kok Road Interchange in the past months.	 <i>Site Activities</i> According to RSS's record, the construction activities at the concerned area was mainly central stitch construction and parapet erection and similar works will be carried out in the concerted site in coming one month. The equipment used on site during the complaint period was covered under the construction noise permit (CNP) no. GW-RW0624-06. Based on the RSS's record of PME used in the concerned area from 15 November 2006 to 30 December 2006, the construction works complied with the CNP no. GW-RW0624-06. <i>Conclusion</i> Based on the information collected, the complaint is considered unjustifiable as the equipment used complied with the CNP conditions. Nevertheless, the Contractor was recommended to take further noise mitigation measures to minimize the environmental impact on the nearby community: To strengthen management on worker's working manner, such as avoiding dropping materials on ground; No hammering is allowed during restricted hours; and 	Closed
70117-2	P3 – P6 near Banyan	17 th January 2007 (by ET Leader)	Environmental Protection Department (EPD) received a public	Site Activities According to RSS's record, the construction activities at the	Closed

Log Ref.	Location	Received Date	Details of Complaint	Investigation/Mitigation Action	Status
	Garden		complaint about environment nuisance generated from Route 8 – Lai Chi Kok Viaduct Project. EPD subsequently referred the complaint	concerned area was mainly central stitch construction and parapet erection and similar works will be carried out in the concerned site in coming one month.	
			to ET Leader on 17 th January 2007. The complaint was concerned	The equipment used on site during the complaint period was covered under the construction noise permit (CNP) no. GW-RW0624-06.	
			construction noise near Banyan Garden within the period of 01:00 – 02:00hr on 11 th January 2007.	Based on the RSS's record of PME used in the concerned area from 1 st December 2006 to 13 th January 2007, the construction works complied with the CNP no. GW-RW0624-06.	
				<i>Conclusion</i> Based on the information collected, the complaint is considered unjustifiable as the equipment used complied with the CNP conditions.	
				 Nevertheless, the Contractor was recommended to take further noise mitigation measures to minimize the environmental impact on the nearby community: To strengthen management on worker's working manner, such as avoiding dropping materials on ground; No hammering is allowed during restricted hours; and To provide adequate training to workers working, esp. for night works. 	
	Construction site near Mei	17 th July 2007	The Integrated Complaint Centre (ICC) of HKSAR received a public complaint through telephone on 21 July 2007 about an environment nuisance generated from Route 8 – Lai Chi Kok Viaduct (R8-LCKV) Project. Resident Site Staff (RSS)	Site Activities The concerned site was likely the Slope CCR-S4 near Ching Cheung Road. A location plan is provided in Appendix A and the work programme near Slope CCR-S4 from February 2007 to September 2007 is provided in Appendix B. According to RSS's record and the above mentioned work	
70723	Lai Road and Tong Nai Kan College	(by ET Leader)	subsequently referred the complaint to the Environmental Team (ET) Leader of the Project on 23 July 2007.	programme, excavation and rock breaking works for slope stabilization near the Slope CCR-S4 was begun on early of July 2007 and to be completed on early of August 2007. As advised by the RSS, noise mitigation measures implemented	Closed
			The complaint was concerned about noise generated from the construction	at the concerned site include: - installing a line of noise barriers formed by acoustic	

Log Ref.	Location	Received Date	Details of Complaint	Investigation/Mitigation Action	Status
			works near Mei Lai Road and Tong Nai Kan College.	 materials in front of the noise sources; warping the breaker with acoustic material; and deploying silence type of breaker. 	
				Environmental Monitoring	
				During the weekly site inspections in July 2007, no non- compliance or observation on noise was recorded.	
				Accordance to the EM&A programme, one noise monitoring station at Mei Foo Sun Chuen, Phase 5 (NM4) was set up in order to monitor the noise level generated from the construction activities.	
				The noise monitoring results in the period between 3^{rd} and 23^{rd} July 2007 at Mei Foo Sun Chuen, Phase 5 are all lower than or equal to the noise criterion of 75 dB(A). No exceedance of noise level has been recorded in the above mentioned period.	
				<i>Conclusion</i> Base on the information collected and the monitoring result, the complaints are considered not justifiable.	
				It was suspected that the nuisance was caused by the breaking activities. However, the Contractor has implemented the mitigation measures to minimize the noise generation from construction activities.	
	Construction site near Ching	ard o	The Integrated Complaint Centre (ICC) of HKSAR received a public complaint through telephone on 1 October 2007 about an environment nuisance generated from Route 8 –	<i>Site Activities</i> According to RSS's record, approximately 100m long asphalt material on carriageway was removed on 30 th September and 1 st October 2007.	
71003	Cheung Road and Tong Nai Kan College	3 rd October 2007 (by ET Leader)	Lai Chi Kok Viaduct (R8-LCKV) Project. Resident Site Staff (RSS) subsequently referred the complaint to the Environmental Team (ET)	The equipment used on site during the complaint period was covered under the construction noise permit (CNP) no. GW-RW0469-07.	Closed
			Leader of the Project on 3 October	Environmental Monitoring	
			2007	During the weekly site inspections in September 2007, no non-	

Log Ref.	Location	Received Date	Details of Complaint	Investigation/Mitigation Action	Status
			The complaint was concerned construction noise near Tong Nai Kan College and Ching Cheung Road during public holiday on 1 st October 2007.	compliance or observation on noise was recorded. Accordance to the EM&A programme, one noise monitoring station at Mei Foo Sun Chuen, Phase 5 (NM4) was set up in order to monitor the noise level generated from the construction activities. The noise monitoring results on 25 September 2007 and 2 October 207 at Mei Foo Sun Chuen, Phase 5 are all lower than the noise criterion of 75 dB(A). No exceedance of noise level has been recorded in the above mentioned period	
				<i>Conclusion</i> Based on the information collected, the complaint is considered unjustifiable as the equipment used complied with the CNP conditions. Nevertheless, the Contractor was recommended to implement a good sit practice and mitigation measures to prevent noise nuisance generated from the construction work to minimize the environmental impact on the nearby community:	
71119	Construction site near Nob Hill	19 th November 2007 (by ET Leader)	The Integrated Complaint Centre (ICC) of HKSAR received a public complaint through telephone on 16 November 2007 about a noise nuisance generated from Route 8 – Lai Chi Kok Viaduct (R8-LCKV) Project. Resident Site Staff (RSS) subsequently referred the complaint to the Environmental Team (ET) Leader of the Project on 19 November 2007 The complaint was concerned the noise generated from breaking the footpath on King Lai Path opposite to Nob Hill on 16 November 2007	 wrapping the breaker with acoustic material; and deploying silence type of breaker. Site Activities According to the RSS, footpath breaking by hand-held breaker was carried out on 16 November 2007. Environmental Monitoring During the weekly site inspections on November 2007, no non-compliance or observation on noise was recorded. Accordance to the EM&A programme, noise monitoring was conducted at Nob Hill M/F of Car Park (NM8a) and 3/F of Car Park (NM8b) in order to monitor the noise level generated from the construction activities. There was no Action/Limit Level exceedance identified, except the noise monitoring conducted at Station NM8b on 12 November 2007, which is strongly influenced by the road traffic noise from Ching Cheung Road. The measurements at these two stations are for reference purpose but not for compliance check for construction noise. 	Closed

Log Ref.	Location	Received Date	Details of Complaint	Investigation/Mitigation Action	Status
				 Conclusion Base on the information collected and the monitoring result, the complaints are considered not justifiable. Nevertheless, the Contractor was recommended to implement a good sit practice and mitigation measures to prevent noise nuisance generated from the construction work to minimize the environmental impact on the nearby community: wrapping the breaker with acoustic material; and deploying silence type of breaker. 	
71121	Construction site at Lai Wan Road opposite to the Lai Chi Kok Park Sports Centre	21 st November 2007 (by ET Leader)	The Integrated Complaint Centre (ICC) of HKSAR received a public complaint through telephone on 21 st November 2007 about the construction dust nuisance generated from Route 8 – Lai Chi Kok Viaduct (R8-LCKV) Project. Resident Site Staff (RSS) subsequently referred the complaint to the Environmental Team (ET) Leader of the Project on 21 st November 2007 The complaint was raised by a resident via the ICC hotline and EPD about the construction dust generated from the lorry (JA2315) leaving the works site opposite to Lai Chi Kok Park Sports Centre at 8.35am on 21 st November 2007	 Site Activities According to the information provided by RSS, the site of the concern was likely to be the site access at R2 opposite to Lai Chi Kok Park Sports Centre. The construction works at the sports centre included the masonry on retaining wall, surface drain along slope toe, road work at the footpath, street furniture and reinstatement the pavement. Environmental Monitoring During the weekly site inspection on 21 November 2007, no non-compliance or major dust generation construction activity was recorded. Accordance to the EM&A programme, the air monitoring station at Lai Chi Kok Sports Centre (AM2), was set up in order 	Closed

Log Ref.	Location	Received Date	Details of Complaint	Investigation/Mitigation Action	Status
				The environmental conditions of the site will be continuously reviewed by the RSS and the Environmental Team through site inspections and monitoring exercises.	
80103	Construction site near the junction of King Lai Path and Lai Wan Road	3 rd January 2008 (by ET Leader)	Environmental Protection Department (EPD) received a public complaint about the construction dust generated from Route 8 – Lai Chi Kok Viaduct (R8-LCKV) Project near the Junction of King Lai Path and Lai Wan Road. EPD subsequently referred the complaint to the Environmental Team (ET) Leader of the Project on 3 January 2008 The complaint was raised by a resident via the EPD about the construction dust of slope works near the junction of King Lai Path and Lai Wan Road on 3rd January 2008.	 Site Activities Based on the information provided by the ER, the construction site was likely to be the slope CCR-S1 between Lai Wan Road and Lai King Hill Road. According to RSS's record, rock slope stabilization measures was carried on at batter 8 of slope CCR-S1. Rock drilling for installation of rock dowels (6m long) at CCR-S1 was commenced on 20 December 2007 and would likely last up to the 2 February 2008 Environmental Monitoring During the ET's weekly environmental site inspection on 28 December 2007 and 9 January 2008 and the monthly site inspection on the 2 January 2008. There was no serious dust nuisance induced by the Projects at slope CCR-S1 while rock drilling was carrying out at the slope. As advised by the RSS, a three side's tarpaulin covering sheets were provided by the Contractor to suppress the dust nuisance generated from the rock drilling works. On 5 January 2008, the drilling rig was wrapped with a we thick towel and the speed of the drill was controlled. Besides, there was no Action/Limit Level exceedance for both 1-hr and 24-hr TSP identified during the period in between the 20 December2007 and 9 January 2008. Conclusion Base on the information collected and the monitoring results, the complaint was considered not justifiable. It was because there was no exceedance of the air quality 	Closed
				 monitoring results and dust mitigation measures were implemented by the Contractor during the rock drilling works. After receiving the complaint, the Contractor has further enhanced the dust mitigation measures as follows:- Apply water spraying for any dust emissive activities, such 	

Log Ref.	Location	Received Date	Details of Complaint	Investigation/Mitigation Action	Status
				 as breaking, excavation, loading and unloading of dusty materials Cover long-term idle exposed slope surfaces and stockpiles with tarpaulin sheets; The environmental conditions of the site will be continuously reviewed by the RSS and the Environmental Team through site inspections and monitoring exercises. 	
80121	Construction site near Nob Hill	21st January 2008 (by ET Leader)	The Resident Site Staff (RSS) received a verbal complaint from a Legislative Council member, Mr. Cheung, on 21 January 2008. The complaint was about the construction noise and dust generated from Route 8 – Lai Chi Kok Viaduct (R8-LCKV) Project near Nob Hill. The RSS subsequently referred the complaint to the Environmental Team (ET) Leader of the Project on the same day The complaint was raised by a Legislative Council member, Mr. Cheung, via the RSS about the construction noise and dust nuisances generated near Nob Hill on 21st January 2008.	 Site Activities According to RSS's record, rock dowel installation for slope stabilization at CCR-S1 was commenced on 20 December 2007 and would likely last up to the 2 February 2008. Contractor Action As advised by the RSS, tarpaulin covering, water spraying and temporary noise absorbent materials were provided by the Contractor to suppress the dust and noise nuisance generated from the rock drilling works. Besides, the working hours was lie in between the normal working hours from 7am to 7pm Environmental Monitoring Weekly site inspection was performed by ET on 28th December 2007, 2nd, 9th, 16th, 23rd January 2008. A joint environmental site audit was also conducted on 2nd January 2008 with the representatives of IEC, RSS, the Contractor and ET. There was no non-compliance or observation with regard to noise and dust nuisance at the concerned site was recorded by the auditors during the site inspections carried out in December and January 2008. Review of Environmental Monitoring Results The routine monitoring stations, which are in the vicinity of the concerned works areas, include: Noise Monitoring NM8a: M/F of Nob Hill Min 2, F of Nob Hill Air Quality (1-hr TSP / 24-hr TSP) Monitoring AM2: R/F of Lai Chi Kok Sports Centre 	Closed

Log Ref.	Location	Received Date	Details of Complaint	Investigation/Mitigation Action	Status
				No Action / Limit level exceedance was identified in the period between 20 th December 2007 and 24 January 2008.	
				<i>Conclusion</i> Based on the RSS's information, environmental monitoring results as well as the observations made during site inspections, this complaint is considered to be invalid and not due to the construction activities of the Project.	
				It was because there was no exceedance of the air quality monitoring results and dust mitigation measures were implemented by the Contractor during the rock drilling works.	
				However, the Contractor was still recommended to take the following mitigation measures to minimize the environmental impact on the nearby community:	
				Dust Nuisance	
				• To cover excavated dusty materials by impervious sheeting;	
				• To provide water spray for haul roads, loading/unloading and concrete breaking operations;	
				• To perform wheel wash for every vehicle immediately before leaving the site;	
				• Apply water spraying for any dust emissive activities, such as breaking, excavation, loading and unloading of dusty materials; and	
				• Cover long-term idle exposed slope surfaces and stockpiles with tarpaulin sheets.	
				Construction Noise	
				• To space out noisy equipment and position it as far away as possible from the sensitive receivers;	
				• To avoid concurrent uses of noisy equipment near the sensitive area;	
				• To ensure the equipment are maintaining in good operation condition;	
				• To turn off any idle equipment on site;	

			Details of Complaint	Investigation/Mitigation Action		
				 Silence-type breakers were employed for the rock breaking work close to the sensitive receivers; 		
				 To wrap the breaker with acoustic material; and While the permitted hours for construction works are 7am to 7pm on non-holidays, the Contractor has commenced the rock breaking activity after 8:30am. This arrangement could effectively reduce the disturbance to the residents within the more sensitive time period (7:00 am to 8:30 am). The environmental conditions of the site will be continuously 		
				reviewed by the Resident Site Staff and the Environmental Team through site inspections and monitoring exercises.		
80229 R	Ching Cheung Road near Nob Hill	29 th February 2008 (by ET Leader)	The Highways Department (HyD) received a public complaint through telephone on 29 February 2008 about the noise nuisance generated from Route 8 – Lai Chi Kok Viaduct (R8- LCKV) Project near Nob Hill. The Resident Site Staff (RSS) subsequently referred the complaint to the Environmental Team (ET) Leader of the Project on the same day. The complaint was concerned the noise nuisance generated when vehicles passing over the movement joints at both bound of the Ching Cheung Road carriageway at night.	Information from RSS According to RSS's record, the movement joints have been installed for about half year under the Project design and satisfactory procedures. Environmental Monitoring The recent weekly site inspection was performed by ET on 27 th February 2008. No abnormal noise nuisance was noticed during the site inspection. The major noise source was identified to be traffic noise. Review of Environmental Monitoring Results Regular construction noise monitoring works were performed by ET, in accordance with the EM&A Manual. The monitoring stations, which are in the vicinity of the concerned works areas, include: Noise Monitoring Stations NM8a: M/F of Nob Hill NM8b: 3/F of Nob Hill The time period of construction noise monitoring was within normal working hours (7am to 7pm) on a weekday not being a	Closed	

Log Ref.	Location	Received Date	Details of Complaint	Investigation/Mitigation Action				
				 However, according to the EM&A Manual of the Project, the criterion of construction noise in term of Leq-30min within this period is 75 dB(A) for domestic premises. Stations NM8a and NM8b were newly installed at Nob Hill in May 2004. Station NM8b is located at 3/F of the car park of Nob Hill, which is strongly influenced by traffic noise from Ching Cheung Road. The measurement at this station is for reference purpose, but not for compliance check of construction noise. The measured noise level at Station NM8a, which is located at M/F of car park and closer to the construction site, acts as an indicator of the construction noise. The monitoring result for NM8a in the period between 3rd January 2007 and 26th February 2008 are summarized quarterly as below: 				
				Table 1 – Noise Monitoring Results at NM8a, Nob Hill				
					Measured Noise Level, dB(A)	Date	Measured Noise Level, dB(A)	
				3-Jan-07	75.9	2-Oct-07	73.1	
				11-Jan-07	70.6	8-Oct-07	73.4	
				16-Jan-07	74.3	15-Oct-07	71.2	
				23-Jan-07	70.8	23-Oct-07	72.6	
						30-Oct-07	73.8	
				2-Apr-07	73.7	4-Jan-08	73.7	
				10-Apr-07	74.2	8-Jan-08	72.7	
				17-Apr-07	73.5	15-Jan-08	73.8	
				24-Apr-07	74.6	22-Jan-08	72.4	

Log Ref.	Location	Received Date	Details of Complaint	Investigation/Mitigation Action				
				3-Jul-07	71.9	4-Feb-08	73.8	
				10-Jul-07	73.8	12-Feb-08	73.6	
				17-Jul-07	74.7	21-Feb-08	72.6	
				23-Jul-07	73.8	26-Feb-08	72.8	
				30-Jul-07	72.5			
				 below the criterio and the high meas noise instead of comeasured noise lemovement joints a <i>Conclusion</i> Based on the R results as well as this complaint is abnormal function It was because the noise level before at the concerned a The noise nuisant the silent backgroof the movement joints, Nevertheless, the site practice to movement joints, 	n for daytime of sured noise leve onstruction noi- evel was observe at Ching Cheur SS's informat the observation s considered the ning of the mov- ere was no obve e and after the area. ce should be of bund at night i joints. Contractor was minimize the such as:	red noise levels we construction noise of els were mainly du se. No obvious inc /ed after the installa ng Road near Nob I ion, environmenta ns made during sit to be invalid and vement joints of the rious difference on installation of mo only comparatively instead of abnormatively as recommended to ne noise generated movement joints well;	of 75 dB(A) e to traffic rease of ation of the Hill. al monitoring e inspections, l not due to e Project. the measured vement joints noisy due to al functioning o adopt good ed from the	
					icant oil to the e when necess	e movement joints ary;	to minimize	

Log Ref.	Location	Received Date	Details of Complaint	Investigation/Mitigation Action	Status
				• Provide noise absorbent (e.g. sponge) as a damper within the movement joints to reduce noise nuisance when necessary.	
				The environmental conditions of the site will be continuously reviewed by the Resident Site Staff and the Environmental Team through site inspections and monitoring exercises	