Territory Development Department
NT East Development Office

SHA TIN NEW TOWN STAGE II
CONTRACT NO. ST 86/2000
CONSTRUCTION OF ROAD T7 IN MA ON SHAN
ENVIRONMENTAL MONITORING AND AUDIT

MONTHLY EM&A REPORT - NOVEMBER 2002

Prepared For:

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Job No 23156

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Signed
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Date 12 December 2002

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ABBREVIATIONS AND ACRONYMS

AQO	Air Quality Objectives
Arup	Ove Arup & Partners Hong Kong Limited
ASR	Area Sensitive Rating
BOD_5	Biochemical Oxygen Demand (5 days)
B&K	Brüel & Kjær
CFM	Cubic Feet per Minute
CHEC	China Harbour Engineering Company
CNP	Construction Noise Permit
CT	Contractor
EA	Environmental Auditor
EIA	Environmental Impact Assessment
EM&A	Environmental Monitoring and Audit
EP	Environmental Permit
EPD	Environmental Protection Department
ER	Engineer / Engineer's Representative
ET	Environmental Team
HKSAR	Hong Kong Special Administrative Region
HOKLAS	The Hong Kong Laboratory Accreditation Scheme
HVS	High Volume Sampler
IEC	International Electrotechnical Commission Publications
K	Degrees Kelvin
MCAL	Maunsell Consultants Asia Limited
NAMAS	National Measurement Accreditation Service
NSR	Noise Sensitive Receiver
TDD NTE	Territory Development Department New Territory East Office
TSP	Total Suspended Particulates

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EXECUTIVE SUMMARY

This monthly EM&A report presents the site inspection findings, air quality and noise impact monitoring works for the period between 1 November 2002 and 30 November 2002.

For noise monitoring, $L_{eq(30min)}$ level was recorded once a week between the period of 0700 and 1900 at Ma On Shan Lutheran Primary School (NM2), Heng Shan House, Heng On Estate (NM3), Kam Yiu House, Kam Ying Court (NM4), Symphony Bay (NM6), Podium of block 15, Monte Vista (NM7) and Roof of block 15, Monte Vista (NM8). $L_{eq(5min)}$ was record three times once a week between the period 1900 and 2300 at NM3, NM4, NM6, NM7 and NM8.

Four measurements were taken at each location during 0700-1900. Four measurements were taken at NM3, NM4, NM6 and NM8 during 1900-2300 in November 2002. The recorded noise levels were in the range from 63.0 to 70.5 dB(A) during 0700-1900 and the range from 60.0 to 65.5 dB(A) during 1900-2300. All measurements were below the Limit Level of 70dB(A) for NM2 and 75dB(A) for other monitoring location during 0700-1900 and Limit Level of 70 dB(A) during 1900-2300 for all monitoring locations.

For air quality monitoring, 1-hour Total Suspended Particulate (TSP) was recorded three times per every six days between the period of 0700 and 1900, and 24-hour TSP was recorded once every six days from 0000 to 2400. Air quality monitoring was conducted at Ma On Shan Lutheran Primary School (AM2), Ma On Shan Joseph's Primary School (AM3), Villa Concerto, Symphony Bay (AM4), Club House, Monte Vista (AM5) and Kam Yiu House, Kam Ying Court (AM6).

A total of five 24-hour TSP monitoring were conducted at AM2, AM3, AM4 and AM5, and one 24-hour TSP monitoring was conducted at AM6. The electrical cable of the HVS at AM6 was damaged by the waste collector in early October 2002, which caused temporary suspension of the 24-hour TSP monitoring in October and early November 2002. The HVS at AM6 was repaired on 21 November 2002 and the monitoring was resumed on 26 November 2002. The recorded 24-hour TSP levels were in the range from 38.1 to 87.3 $\mu g/m^3$ and were below the Action and Limit Levels.

A total of fifteen 1-hour TSP measurements were taken at each location in November 2002. The recorded 1-hour TSP levels were in the range from 120.9 to 222.5 $\mu g/m^3$ and were below the Action and Limit Levels.

A total of four site inspections were conducted in November 2002. Key findings of the site inspections are given below.:-

- The Contractor has received four Construction Noise Permits (CNP) for the construction works near Hang On Estate, near Kam Ying Court, and near Yiu On Estate. Details of the permit conditions are given in Construction Noise Permit No. GW-TN0427-2002 issued on 25 October 2002 and Construction Noise Permit No. GW-TN0458-2002 issued on 19 November 2002 and Construction Noise Permits No. GW-TN0478-2002 and GW-TN0485-2002 issued on 29 November 2002.
- The temporary slope near Monte Vista was hydroseeded. Performance was satisfactory.
- The door of the air compressor was opened during operation. As instructed by EA, the Contractor had closed the door immediately.

- Chemical and diesel drums were observed at cap13 of TC bridge area. As instructed by EA, the Contractor had removed the drums immediately.

Incorrect waste data provided by the Contractor in October 2002 have been amended and they are summarised below:

A total of 48 loads of Construction and Demolition Waste (C&D waste) had been disposed of at NENT Landfill in October 2002. The total tonnage of the C&D waste disposal in November 2002 was 378.0 tonnes.

A total of 2,989 loads of rocks (ϕ > 400mm) had been disposed of at the following government project sites in October 2002:

- *Contract No. FL 26/01 River Training for Upper River Indus – Completion of the Remaining Works between Man Kam To Road and KCRC Bridges,*
- *Contract No. KCRC CC-603 Landscape Works for KCRC West Rail Building,*
- *Contract No. FL27/02 Completion of the Remaining River Training Works for Upper Indus between Man Kam To & San Wai and*
- *Contract No. HY/2000/21 Route 9 Ngong Shuen Chau Viaduct*.

The total quantity of disposed rocks was 18,740.2 m^3 in October 2002.

A total of 69 loads of inert materials had been disposed of at Public Filling Area in October 2002. The total quantity of the disposed inert materials was 414.0 m^3 in October 2002.

The waste disposal data for November 2002 is given below:

A total of 94 loads of Construction and Demolition Waste (C&D waste) had been disposed of at NENT and WENT Landfill in November 2002. The total tonnage of the C&D waste disposal in November 2002 was 725.0 tonnes.

A total of 1,232 loads of rocks (ϕ > 400mm) had been disposed of at the following government project sites in November 2002:

- *Contract No. FL 26/01 River Training for Upper River Indus – Completion of the Remaining Works between Man Kam To Road and KCRC Bridges,*
- *Contract No. FL27/02 Completion of the Remaining River Training Works for Upper Indus between Man Kam To & San Wai and*
- *Contract No. HY/2000/21 Route 9 Ngong Shuen Chau Viaduct*.

The total quantity of disposed rocks was 7,565.7m^3 in November 2002.

A total of 80 loads of inert materials had been disposed of at Public Filling Area in November 2002. The total quantity of the disposed inert materials was 480.0 m^3 in November 2002.

Three public complaints regarding construction noise were received on 5 November 2002 through the Territory Development Department, 23 and 30 November 2002 through the Environmental Protection Department. The complaint received on 5 and 23 November 2002 had been solved in November 2002. ET, ER and CT were still following up the complaint received on 30 November 2002.

ET was informed by the CT that EPD had visited the site on 4 and 15 November 2002.

There was no exceedance recorded in November 2002.

1. INTRODUCTION

Arup was commissioned by the Territory Development Department New Territory East Office (TDD NTE) via Maunsell Consultant Asia Limited (MCAL) to conduct the Environmental Monitoring and Audit (EM&A) for the project "*Shatin New Town, Stage II Contract No. ST 86/2000 Construction of Road 7 in Ma On Shan*" with the contract commencement on 10 January 2001.

Truck Road T7 in Ma On Shan is constructed as part of the development of the Sha Tin New Town, Stage II, which is managed by the TDD NTE. The project was commenced in January 2001 and anticipated to be completed by the January 2004. The trunk road will connect the existing Ma On Shan Road and Sai Sha Road, allowing traffic destined for north Ma On Shan, Lok Wo Sha and Sai Kung to by-pass the busy Ma On Shan Town Centre. The construction of Road T7 includes the major components listed hereunder:

1. Construction of approximately 3 kilometers of dual carriageway between Ma On Shan Road at Heng On Estate and Sai Sha Road at Cheung Muk Tau Village. About 1 kilometer of the road is on elevated structure.
2. Construction of a grade-separated interchange connecting with the widened Sai Sha Road.
3. Construction of 2 vehicular underpasses at the eastern end of Road T7.
4. Construction of about 1 kilometer of a single 2-lane carriageway starting from the existing Ma On Shan Road/Hang Hong Street roundabout, for replacing the existing access road to Ma On Shan.
5. Construction of the western extension of the existing Nin Fung Road in front of Cheung Muk Tau Village.
6. Construction of a combined pedestrian and cycle bridge across Ma On Shan Road near Ma On Shan Sewage Pumping Station.
7. Construction of 4 pedestrian subways at the western interchange connecting with the widened Sai Sha Road.
8. Construction of noise barriers and noise semi-enclosures.
9. Slope works and landscaping works associated with the above road works.

The Environmental Impact Assessment (EIA) Report[1] has identified the environmental impacts during various stages of the construction and operational stages. These include construction noise and fugitive dust during the construction stage, and the traffic noise and tunnel air quality during the operational stage. The monitoring of these environmental issues is required during the construction and operational stages and in accordance with the Brief for Environmental Monitoring and Audit[2].

The Environmental Permit (EP)[3] has been issued for the Road T7 project under the EIA Ordinance. The EM&A programme has commenced in January 2001 and is anticipated to be completed the February 2005.

1.1 Purpose of the Report

The purpose of the EM&A report is to present the monitoring and audit results of the environmental issues, air quality and noise impacts due to the captioned road construction

project on a monthly and quarterly basis. This is the twenty-third monthly EM&A report to summarise the EM&A requirements, the environmental status, equipment, monitoring methodology, monitoring locations, periods, frequencies, results and any observations from the noise and air measurements during November 2002.

1.2 Site Description

The site starts from the existing Ma On Shan Road (close to Heng On Estate), runs along the boundary of Ma On Shan Country Park, and terminates at Sai Sha Road (close to Symphony Bay). The site location plan is shown in Figure 1-1.

Figure 1-1 - Site location plan of construction of Road T7.

2. ENVIRONMENTAL STATUS

2.1 Construction Activities of the Month

The main construction activities in November 2002 were slope formation and bore piling. Construction works for the retaining wall were carried out beside the site entrance No. 6. The rock excavation activities were still in progress at the slope behind Monte Vista. Construction works of tunnel was in progress at Portal D area near Cheung Muk Tau Village. Bridge construction works was in progress at TA bridge area.

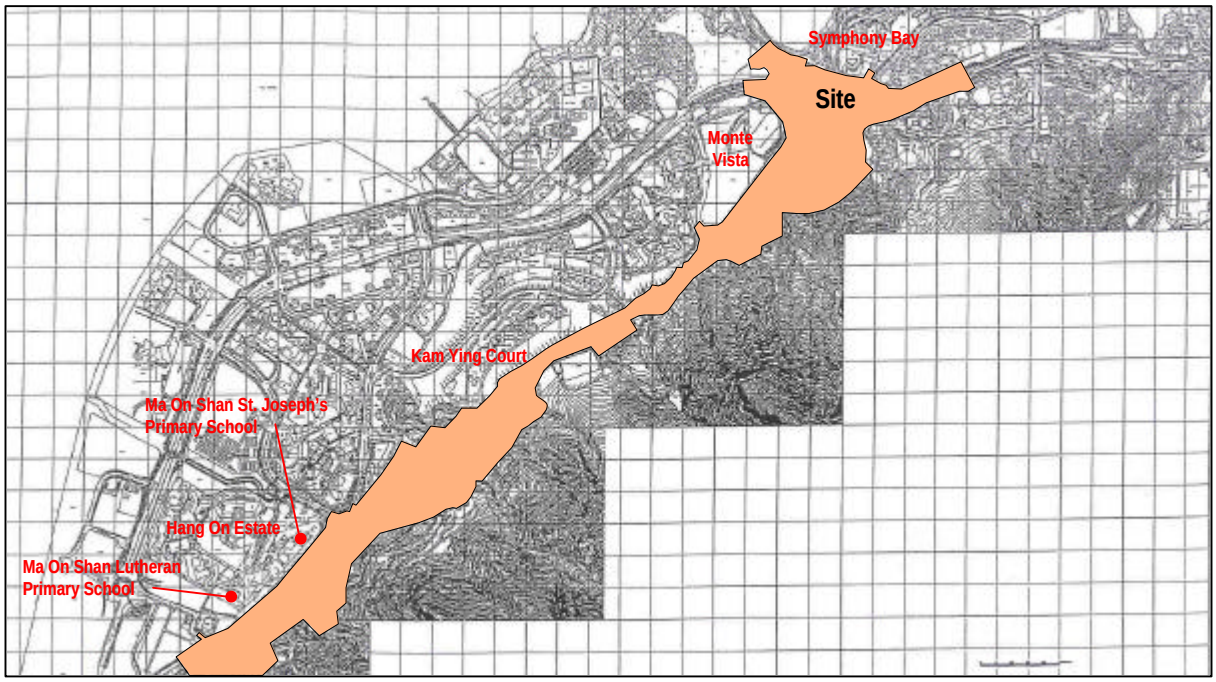
2.2 Environmental Sensitive Receivers

Several residential buildings and schools close to the site have been identified as environmental sensitive receivers in the EIA Report. They included:

- Ma On Shan Lutheran Primary School;
- Ma On Shan St. Joseph's Primary School;
- Heng On Estate;
- Kam Ying Court;
- Monte Vista; and
- Villa Concerto, Symphony Bay.

Detailed locations of the environmental sensitive receivers are shown in Figure 2-1.

Figure 2-1 - Locations of construction site and environmental sensitive receivers.



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3. SUMMARY OF EM&A REQUIREMENTS

Construction noise and air quality were significant environmental impacts identified for the construction period of the project. In accordance with the Brief for EM&A, air quality and noise impact monitoring shall be performed by an ET at all specified monitoring locations during this stage.

3.1 Construction Noise Monitoring

3.1.1 Monitoring Parameters

Construction noise monitoring shall be measured in terms of the A-weighted equivalent continuous sound pressure level (L_{eq}). L_{10} and L_{90} will also be recorded as supplementary reference information for data auditing.

3.1.2 Monitoring Frequency

Construction noise measurements were required to be taken on a weekly basis according to the Brief for EM&A. The monitoring time periods, monitoring parameters and frequency are specified in Table 3-1. The monitoring programme for November 2002 and the planned schedule for December 2002 are provided in Appendix 1 and Appendix 2 respectively.

Table 3-1 - Construction noise monitoring parameters and frequency requirements.

Time Period (when construction activity is found)	Parameters	Monitoring Frequency	No. of measurements for each monitoring
Between 0700-1900 hours on normal weekdays	$L_{eq(30\ min)}$	Once per week	1
Between 1900-2300 hours on normal weekdays	$L_{eq(5\ min)}$*		3 (consecutive)
Between 2300-0700 hours of next day			
Between 0700-1900 hours on holidays			

Remarks: * The $L_{eq(5\ min)}$ will only be measured if construction activities are conducted in holidays and between the period of 1900 and 0700 hours during normal weekdays.

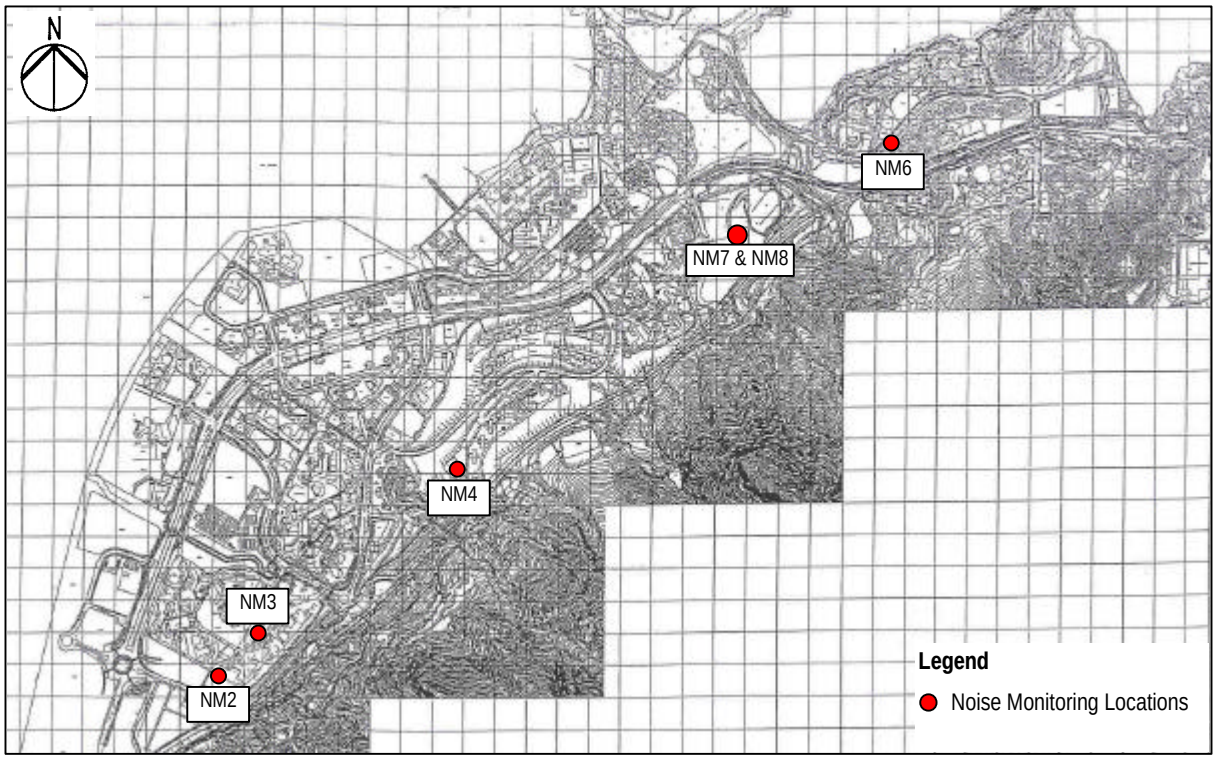
3.1.3 Monitoring Locations

A total of six monitoring locations were specified. They are given in Table 3-2 and shown in Figure 3-1. The measurements shall be taken away from any nearby reflective surface and at a position of 1.2m above ground. No façade correction is required.

Table 3-2 - Noise impact monitoring locations.

NSR No.	Location	Monitoring Point
NM2	Ma On Shan Lutheran Primary School	Roof-top of the school
NM3	Heng Shan House, Heng On Estate	Podium floor of Heng Shan House
NM4	Kam Yiu House, Kam Ying Court	Roof-top of Kam Yiu House
NM6	Villa Concerto, Symphony Bay	Roof-top of Block 1
NM7	Monte Vista, Block 15	Podium floor of Block 15
NM8	Monte Vista, Block 15	Roof floor of Block 15

Figure 3-1 - Location plan showing the noise impact monitoring locations



3.2 Air Quality Monitoring

3.2.1 Monitoring Parameters

Air monitoring shall be measured in terms of the TSP levels for both 24-hour and 1-hour periods.

3.2.2 Monitoring Frequency

24-hour TSP and 1-hour TSP levels shall be monitored during the course of construction according to the Brief for EM&A. The monitoring parameters and frequencies are specific in Table 3-3.

Table 3-3 - TSP monitoring parameters and frequency

Parameters	Monitoring Frequency	Time Period	No. of measurement for each monitoring
24-hour TSP	Once every six days	0000 – 2400	1
1-hour TSP	Three times per every six days	0700 – 1900	1

The monitoring programme for November 2002 and the planned schedule for December 2002 are provided in Appendix 1 and Appendix 2 respectively.

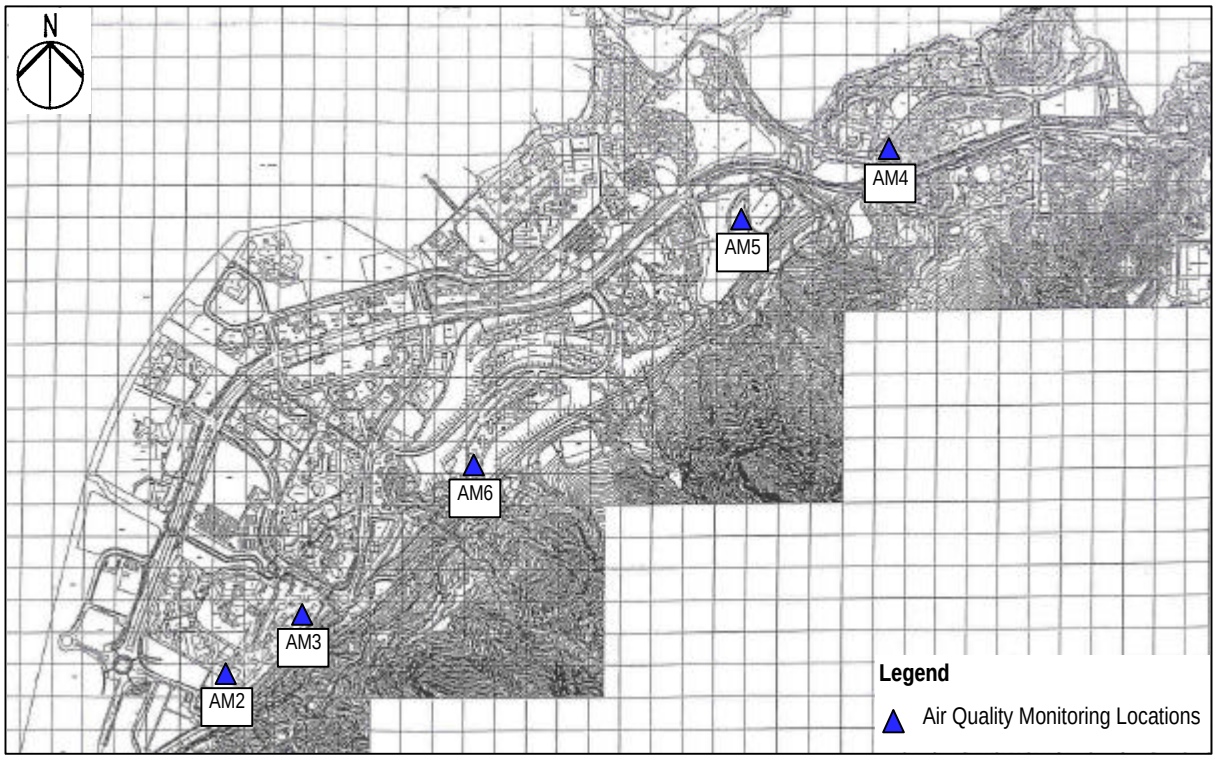
3.2.3 Monitoring Locations

Five monitoring locations nearest to the construction site were specified. They are tabulated in Table 3-4 and shown in Figure 3-2.

Table 3-4 - Air quality monitoring locations.

Sensitive Receptors No.	Location	Monitoring Point
AM2	Ma On Shan Lutheran Primary School	Roof-top of the school
AM3	Ma On Shan St. Joseph's Primary School	Roof-top of the school
AM4	Villa Concerto, Symphony Bay	Roof-top of Block 1
AM5	Monte Vista	Roof-top of Club House
AM6	Kam Ying Court	G/F of Kam Yiu House

Figure 3-2 - Location plan showing the air quality monitoring locations.



3.3 Performance Limits and Event-Action Plans

The monitoring results shall be checked against appropriate standards and requirements. A two-tier system performance limits has been established in the Project Specific EM&A Manual[4]. The "Action Level" and the "Limit Level" are established according to the EPD requirements. Corresponding actions will be taken by ET, ER and CT in accordance with the Event-Action Plans if the monitoring results exceed the performance limits.

3.3.1 Construction Noise Impact

The Action and Limit Levels for the construction noise have been established in Project Specific EM&A Manual[4] and are tabulated in Table 3-5.

Table 3-5 - Action and limit levels for construction noise.

Time Period	Action Level	Limit Level dB(A)
0700 – 1900 hours on weekdays	When one documented complaint is received	75 *
0700 – 2300 hours on General Holidays; & 1900 – 2300 hours on all other days		50 or 55** (1) 65 or 70** (2)
2300 – 0700 hours of next day		55 or 40** (1) 50 or 55** (2)

Remarks: * reduced to 70dB(A) for schools and 65dB(A) during school examination periods.
** to be selected based on Area Sensitivity Rating
(1) for the SPME and prescribed works
(2) for non-SPME and prescribed works
Note: If works are to be carried out during restricted hours, the conditions stipulated in the construction noise permit issued by the Noise Control Authority have to be followed.

Table 3-6a and Table 3-6b detail the actions required to be carried out by different parties in the case of an exceedance of performance limits being detected.

Table 3-6a - Event-action plan for construction noise (Action Level).

Action		
ET	**ER**	**CT**
1. Notify ER and CT 2. Carry out investigation 3. Report the result of investigation to ER 4. Increase monitoring frequency to check mitigation effectiveness 5. Review the proposed remedial measures by CT and advise ER accordingly 6. Suggest any improvement or other alternative mitigation measures should the CT's proposal be found ineffective 7. Supervise the implementation of remedial measures 8. If exceedance stops, cease additional monitoring	1. Confirm receipt of notification of failure in writing 2. Notify CT 3. Require CT to propose remedial measures for the noise exceedance 4. Ensure remedial measures are properly implemented	1. Submit noise mitigation proposals to ET 2. Implement noise mitigation proposals

Table 3-6b - Event-action plan for construction noise (Limit Level).

Action		
ET	**ER**	**CT**
1. Notify ER and EPD 2. Identify source 3. Repeat measurement to confirm findings 4. Increase monitoring frequency 5. Discuss amongst ER and CT on the potential remedial actions 6. Review CT's remedial actions whenever necessary to assure their effectiveness and advise ER accordingly 7. Suggest any improvement or other alternative mitigation measures should the CT's proposal be found ineffective 8. Supervise the implementation of remedial measures 9. Inform ER and EPD of the causes for the exceedance 10. Assess effectiveness of CT's remedial actions and keep EPD and ER informed of the results 11. If exceedance stops, cease additional monitoring	1. Confirm receipt of notification of failure in writing 2. Notify CT 3. Require CT to propose remedial measures for the noise exceedance 4. Ensure remedial measures are properly implemented 5. If exceedance continues, consider what portion of the work is responsible and instruct CT to stop that portion of work until the exceedance is abated	1. Take immediate action to avoid further exceedance. 2. Inform ET, ER and EPD of the actions taken for the exceedance. 3. Submit proposals for remedial actions to ET within 3 working days of notification 4. Implement the agreed proposals 5. Resubmit proposals if problem still not under control 6. Stop the relevant portion of works as determined by the ER until the exceedance is abated

3.3.2 Air Quality

The action and limit levels for air quality have been established in the Project Specific EM&A Manual[4] and are tabulated in Table 3-7.

Table 3-7 - Action and limit levels for air quality.

Parameters	Action Level	Limit Level
24 Hour TSP Level in μg/m³	• For baseline level < 108μg/m³, Action Level = average of baseline level plus 30% and Limit Level • For 108μg/m³ < baseline level < 154μg/m³, Action Level = 200μg/m³ • For baseline level > 154μg/m³, Action Level = 130% of baseline level	260
1 Hour TSP Level in μg/m³	• For baseline level < 154μg/m³, Action Level = average of baseline level plus 30% and Limit Level • For 154μg/m³ < baseline level < 269μg/m³, Action Level = 350μg/m³ • For baseline level > 269μg/m³, Action Level = 130% of baseline level	500

The latest baseline checking was conducted in September 2002. There was no significant difference from the baseline checking results in March 2002 and November 2002. Therefore, the current A/L levels for 24-hour TSP and 1-hour TSP monitoring are still representative and valid. In accordance with the Baseline Monitoring Report[5] and Baseline Checking Results in March 2002, the action and limit levels for 24-hour TSP and 1-hour TSP at different locations were established and are tabulated in Table 3-8 and Table 3-9 respectively.

Table 3-8 - Action and limit levels for 24-hour TSP.

Monitoring Location	24-hour TSP Level in $\mu g/m^3$		
	Baseline Level *	Action Level	Limit Level
Ma On Shan Lutheran Primary School	66.0	173	260
Ma On Shan St. Joseph's Primary School	57.7	168	
Villa Concerto, Symphony Bay	60.8	170	
Club House, Monte Vista#	-	185	
Kam Yiu House, Kam Ying Court#	-	194	

Remarks: * Baseline levels were obtained from the Baseline Monitoring Report prepared by Manusell Consultant Asia Limited[5].

\# No baseline monitoring was conducted for Monte Vista (AM5) and Kam Ying Court (AM6) as these two locations were established after the commencement of the construction works. The Action Levels of AM5 and AM6 are established in accordance with the baseline checking results in March 2002.

Table 3-9 - Action and limit levels for 1-hour TSP.

Monitoring Location	1-hour TSP Level in $\mu g/m^3$		
	Baseline Level *	Action Level #	Limit Level
Ma On Shan Lutheran Primary School	274	350	500
Ma On Shan St. Joseph's Primary School	274	350	
Villa Concerto, Symphony Bay	273	347	
Club House, Monte Vista#	-	350	
Kam Yiu House, Kam Ying Court#	-	349	

Remarks: * Baseline levels were obtained from the Baseline Monitoring Report prepared by Maunsell Consultant Asia Limited[5].

\# The Action Levels of AM2, AM3 and AM4 have been revised in accordance with the baseline checking results in March 2002.

\# No baseline monitoring was conducted for Monte Vista (AM5) and Kam Ying Court (AM6) as these two locations were established after the commencement of the construction works. The Action Levels for AM5 and AM6 were established in accordance with the baseline checking results in March 2002.

Table 3-10a and Table 3-10b detail the actions required to be carried out by different parties in case of an exceedance of performance limits being detected.

Table 3-10a - Event-action plan for air quality (Action Level).

Action		
ET	**ER**	**CT**
Action Level 1 – Exceedance for one sample		
1. Identify source 2. Inform ER 3. Repeat measurement to confirm findings 4. Review the proposed remedial measures by CT and advise ER accordingly 5. Suggest any improvement or other alternative mitigation measures should the CT's proposal be found ineffective 6. Supervise the implementation of remedial measures 7. Increase monitoring frequency to demonstrate efficacy of remedial measures 8. If exceedance stops, cease additional monitoring	1. Notify CT 2. Check monitoring data and CT's working methods	1. Rectify any unacceptable practice 2. Amend working methods if appropriate
Action Level 2 –Exceedance for two or more consecutive samples		
1. Identify source 2. Inform ER 3. Repeat measurement to confirm findings 4. Review the proposed remedial measures by CT and advise ER accordingly 5. Discuss with ER for remedial actions required 6. Suggest any improvement or other alternative mitigation measures should the CT's proposal be found ineffective 7. Supervise the implementation of remedial measures 8. Increase monitoring frequency to demonstrate efficacy of remedial measures 9. If exceedance continues, arrange meeting with ER 10. If exceedance stops, cease additional monitoring	1. Confirm receipt of notification of failure in writing 2. Notify CT 3. Check monitoring data and CT's working methods 4. Discuss with Environmental Supervisor and CT on potential remedial actions 5. Ensure remedial actions are properly implemented	1. Submit proposals for remedial actions to ER within 3 working days of notification 2. Implement the agreed proposals 3. Amend proposal if appropriate

Note: If source of exceedance is clearly identified as being not works related no further action is necessary by any party.

Table 3-10b - Event-action plan for air quality (Limit Level).

Action		
ET	**ER**	**CT**
Limit Level 1 – Exceedance for one sample		
1. Identify source 2. Inform ER 3. Repeat measurement to confirm findings 4. Discuss with ER for remedial actions required 5. Suggest any improvement or other alternative mitigation measures should the CT's proposal be found ineffective 6. Supervise the implementation of remedial measures 7. Increase monitoring frequency to demonstrate efficacy of remedial measures 8. If exceedance stops, cease additional monitoring	1. Confirm receipt of notification of failure in writing 2. Notify CT 3. Check monitoring data and CT's working methods 4. Discuss with ET and CT on potential remedial actions 5. Ensure remedial actions are properly implemented	1. Take immediate action to avoid further exceedance 2. Submit proposals for remedial actions to ER within 3 working days of notification 3. Implement the agreed proposals 4. Amend proposal if appropriate
Limit Level 2 – Exceedance for two or more consecutive samples		
1. Identify source 2. Inform ER the causes and actions taken for the exceedance 3. Repeat measurement to confirm findings 4. Investigate the causes of exceedance 5. Arrange meeting with ER to discuss the remedial actions to be taken 6. Suggest any improvement or other alternative mitigation measures should the CT's proposal be found ineffective 7. Supervise the implementation of remedial measures 8. Increase monitoring frequency to demonstrate efficacy of remedial measures 9. If exceedance stops, cease additional monitoring	1. Confirm receipt of notification of failure in writing 2. Notify CT 3. Carry out analysis of CT's working procedures to determine possible mitigation to be implemented 4. Discuss amongst ET and CT on potential remedial actions 5. Review CT's remedial actions whenever necessary to assure their effectiveness 6. If exceedance continues, consider what portion of the work is responsible and instruct CT to stop that portion of work until the exceedance is abated	1. Take immediate action to avoid further exceedance 2. Submit proposals for remedial actions to ER within 3 working days of notification 3. Implement the agreed proposals 4. Resubmit proposals if problem still not under control 5. Stop the relevant portion of works as determined by ER until the exceedance is abated

Note: If source of exceedance is clearly identified as being not works related no further action is necessary by any party.

3.4 Site Inspection and Environmental Complaint Handling

3.4.1 Site Inspection Frequency and Areas Covered

Regular site inspections will be carried out on a weekly basis. The areas of inspection will cover different environmental impacts, such as air, noise, water & waste, and their pollution controls and mitigation measures for both within and outside the site area.

Ad hoc site inspection will be carried out if significant environmental non-compliance is identified. Inspections may also be carried out subsequent to receipt of any environmental complaints, or as part of the investigation work, as specified in the Event-Action Plans.

3.4.2 Site Inspection Procedures

a) The Environmental Auditor (EA) will be advised by the CT and/or ER of all information on any environmental related aspects.
b) The EA will conduct discussion with the CT and/or ER to sort out and forecast any potential environmental impact.
c) The EA will conduct a site walk with the CT and/or ER, particularly the areas with extensive construction works.
d) The EA will conduct inspection for the main environmental facilities and measures such as the wheel washing facilities located at the site exits, water spraying truck, temporary noise barrier, and the internal noise-reducing measures of the heavy equipment etc, to ensure that these environmental facilities operate normally and effectively.
e) The EA will fill up a site inspection checklist during the site inspection for recording of any special observations.
f) The EA will conduct post-discussion with the CT and/or ER for the establishment of additional/special measures if any non-conformance is found. The completion date for such additional measures will be confirmed during the post-discussion.
g) The EA will propose a reasonable timeframe together with the CT and/or ER, for the preparation of the proposal for the remediation of environmental non-compliance.
h) The completed site inspection checklist will be signed by the EA, the CT and/or ER, for reference and for taking actions in accordance with the agreed procedures, reporting systems and time frame.

3.4.3 Environmental Complaints

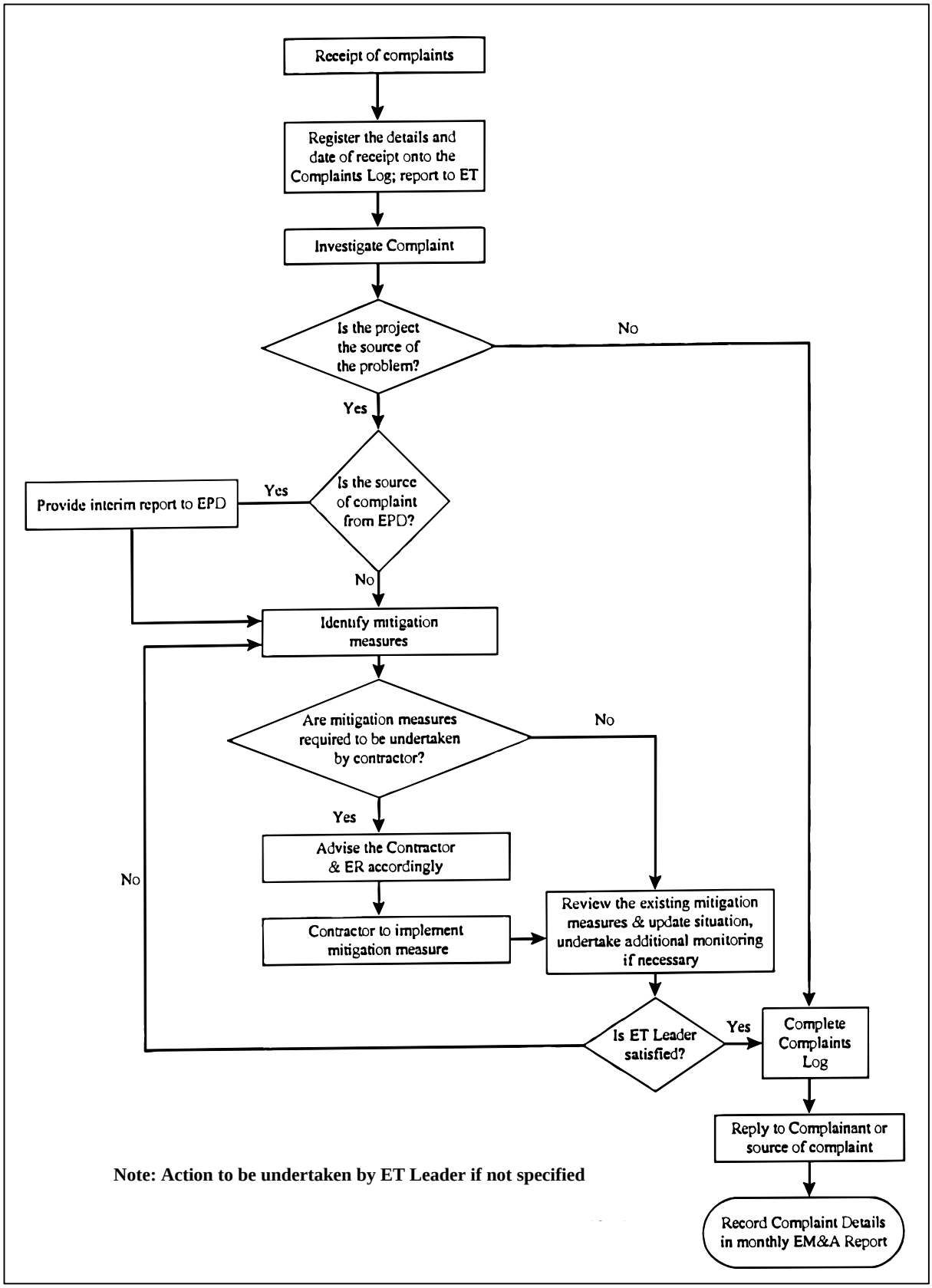
In accordance with the Brief of EM&A, environmental complaints will be referred to the ET for initiation of the complaint investigation procedures. The ET will undertake the following procedures upon receipt of the complaints:

a) The ET will record the details of the complaint and the date of receipt onto the complaint database, and inform ER immediately.
b) The ET will perform compliant investigation to determine its validity, and to assess whether the source of the problem is due to work activities.
c) The ER will instruct the CT to identify mitigation measures in consultation with the ET, if the compliant is valid and due to works.
d) The ET will liaise with the CT on their mitigation measure proposals and implementation, if required.
e) The ET will conduct review of the CT's response on the identified mitigation measures, and of the updated situation.
f) The ET will submit interim report to EPD if the complaint is received via EPD. The interim report will clearly state the status of the complaint investigation and the follow-up action within the time frame assigned by EPD.
g) The ET will undertake additional monitoring and audit to verify the situation if necessary, and ensure that any valid reason for complaint does not recur.
h) The ET will report on the investigation results and the subsequent actions to the source of complaint for responding to the complainant (If the source of complaint is via EPD, the results will be reported within the time frame assigned by EPD).
i) The ET will record the details of the complaint, investigation, subsequent actions and results in the monthly EM&A reports.

During the complaint investigation work undertaken by the ET, the CT and ER shall corporate with the ET in providing all the necessary information and assistance for completion of the investigation. If mitigation measures are identified as necessary in the investigation, the CT shall promptly carry out the required mitigation to the satisfaction of ET. The ER shall ensure that such identified measures have been carried out by the CT.

A flow chart of the complaint response procedures is shown in Figure 3-3 for reference.

Figure 3-3 - Flow chart of the complaint response procedure



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4. CONSTRUCTION NOISE MONITORING

4.1 Monitoring Equipment

An integrated sound level meter was used for the noise monitoring. The sound level meter complies with the International Electrotechnical Commission Publications (IEC) 651:1979 (Type 1) and 804:1985 (Type 1) specifications. An acoustical calibrator in compliance with IEC 942:1988 (Type 1) was used to calibrate the sound level meter before and after each set of measurements to confirm that the data drift was less than 1dB(A). The detailed descriptions of the noise measurement equipment are listed in Table 4-1.

Table 4-1 - Equipment list for construction noise monitoring.

Equipment	Manufacturer & Model No.	Precision Grade	Qty.
Integrated sound level meter	Brüel & Kjær 2231	IEC 651 Type 1 IEC 804 Type 1	2
½" free-field microphone	Brüel & Kjær 4155		2
Rion Sound Level Meter	NA-27		1
Rion ½" microphone	UC53A		1
Windshield	Brüel & Kjær UA0237		4
Acoustical calibrator	Brüel & Kjær 4230	IEC 942 Type 1	1
Acoustical calibrator	Brüel & Kjær 4226		1
LCD wind speed indicator	Kestrel Vane Anemometer	--	1

4.2 Methodology

4.2.1 Field Measurement

- The sound level meter and the battery were checked to ensure that they were in proper condition.
- The sound level meter was set on a tripod at 1.2m above ground and at least 1m from the exterior of the building façade.
- Before conducting the measurement, the sound level meter was calibrated by an acoustical calibrator.
- The measurement parameter was set to A-weighted sound pressure level. The time weighting was set in fast response and the time period of measurement at 30 minutes.
- The wind speed was checked during noise monitoring to ensure the steady wind speed did not exceed 5m/s, or wind with gusts did not exceed 10m/s.
- Any abnormal conditions that generated intrusive noise during the measurement were recorded on the field record sheet.
- After each measurement, the equivalent continuous sound pressure level (L_{eq}), L_{10} and L_{90} were recorded on the field record sheet.
- The sound level meter was re-calibrated by the acoustical calibrator to confirm that there was no significant drift of reading.

4.2.2 Equipment Maintenance and Calibration

The sound level meter complies with the standards of IEC 651 (Fast, Slow, Impulse rms detector tests) and IEC 804 (L_{eq} functions). The acoustical calibrator model no. 4230 is in compliance with IEC 942. Both equipment are calibrated annually in-house using Brüel & Kjær (B&K) calibrator model no. 4226.

The B&K calibrator model no. 4226 is annually calibrated by the National Physical Laboratory in Teddington, London, which is accredited by National Measurement Accreditation Service (NAMAS). All in-house calibrations that are undertaken can be traced back to the National Physical Laboratory. The latest calibration certificates for the sound level meter and acoustic calibrators are given in the Monthly EM&A Report – August 2002 (23156-20)[6].

4.3 Results

Four measurements were taken at each location on daytime (0700-1900) and four measurements were taken at NM3, NM4, NM6 and NM8 during 1900-2300 in November 2002. All the noise measurements were taken between 0700-2300 hours on normal weekdays during which the construction site was under normal operation. The construction daytime and evening time noise monitoring results in November 2002 are tabulated in Table 4-2 and Table 4-3 respectively. Detailed weather conditions and the monitoring period are given in Appendix 3.

Table 4-2- Construction day-time noise monitoring results for November 2002.

Date of Monitoring		Monitoring Parameters	Monitoring Results, dB(A) (30 min)					
			NM2	NM3	NM4	NM6	NM7	NM8
Week 1	06/11/02 (Wed)	L_{eq}	67.0	63.5	68.5	68.0	65.5	69.5
		L_{10}	69.5	66.0	71.4	72.0	69.0	73.0
		L_{90}	62.0	59.0	61.8	62.5	61.5	63.0
Week 2	12/11/02 (Tue)	L_{eq}	64.5	63.0	67.5	68.7	68.0	70.0
		L_{10}	67.0	65.5	71.4	72.0	73.0	73.5
		L_{90}	61.0	60.0	62.0	62.5	62.0	63.5
Week 3	21/11/02 (Thu)	L_{eq}	67.5	64.5	70.5	69.8	67.0	66.8
		L_{10}	70.0	67.0	73.5	72.3	70.5	71.2
		L_{90}	64.0	60.5	65.5	60.0	62.0	61.0
Week 4	27/11/02 (Wed)	L_{eq}	66.7	64.0	69.8	70.5	69.5	68.5
		L_{10}	71.4	66.5	74.0	73.0	72.5	72.0
		L_{90}	62.0	61.0	65.2	65.0	64.5	64.0

Table 4-3 - Construction evening time noise monitoring results for November 2002**.**

Date of Monitoring		Monitoring Results, L_{eq} dB(A) (5 min)				
		NM3	**NM4**	**NM6**	**NM7***	**NM8**
Week 1	06/11/02 (Wed)	61.5	60.0	63.0	-	63.5
		62.0	62.0	61.5	-	65.5
		60.0	61.0	62.0	-	63.0
Week 2	12/11/02 (Tue)	60.5	61.0	62.5	-	63.0
		63.0	60.5	63.0	-	64.5
		61.0	60.5	63.0	-	63.8
Week 3	21/11/02 (Thu)	60.0	62.0	61.8	-	64.0
		62.5	61.5	62.0	-	64.5
		63.0	62.0	63.5	-	63.8
Week 4	27/11/02 (Wed)	61.0	60.5	62.5	-	62.0
		61.5	62.0	64.0	-	61.0
		62.0	60.0	63.0	-	61.5

Noted: ***** Evening time noise monitoring is not required at monitoring station NM7 as no construction works was conducted near this station.

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5. AIR QUALITY MONITORING

Air quality was measured in terms of 24-hour and 1-hour levels of TSP. This indicated the impacts of construction dust on air quality. The 24-hour and 1-hour TSP levels were measured according to the standard high volume sampling method and laser scanning method respectively. All relevant data including temperature, pressure, weather conditions, start and stop time of the sampler, and other special phenomena and work progress of the monitoring locations were also recorded.

5.1 Monitoring Equipment

The high volume sampling method complies with the USEPA ambient air reference method standard for primary and secondary ambient particulate matter (*40 CFR$_{50-B}$*)[7].

HVS in compliance with the specifications of *40 CFR$_{50-B}$* were used for carrying out the 24-hour TSP. A photometric aerosol monitor was used for 1-hour TSP monitoring. The details of the HVS, photometric aerosol monitor and the calibration kit used are listed in Table 5-1.

Table 5-1 - Equipment list for TSP monitoring.

Equipment	Manufacturer & Model No.	Measurement Parameter	Qty.
High Volume Sampler	GMWS-2310-105	24-hour TSP	5
Fibreglass Filter	G810		--
HVS Calibration Kit	GMW-2535		1
Photometric Aerosol Monitor	MIE *personal*DataRAM	1-hour TSP	5
Hand Held Barometer	Cole-Parmer EB833	Pa, Temperature	1

5.2 Methodology

5.2.1 24-hour TSP Monitoring

- The HVS was set up at fixed monitoring location under the following criteria:
  - it was placed on a horizontal platform;
  - the filter of HVS was at least 1.3m above ground;
  - it was separated from any obstacle by at least twice the height of the obstacle protruding above the sampler;
  - there were no furnaces or incineration flues operating near the sampler;
  - it has unrestricted airflow 270° around the sampler; and
  - the wire fence and gate did not cause obstruction to the air flow.
- The flow rate of the HVS was set within the range of 1.1m^3/min and 1.7m^3/min, (39CFM - 60CFM) as specified in *40 CFR$_{50-B}$*.
- The power supply was checked to ensure the HVS worked properly
- The HVS was switched on and allowed to operate for 5 minutes before placing any filter on the supporting screen.

- The filter holding frame was removed by loosening the four wing nuts and allowing the brass bolts and washers to swing down out of the way.
- The fibreglass filter (G810) for TSP sampling was prepared by a HOKLAS accredited laboratory for weighing before and after sampling. Before weighing, the filter was equilibrated in a conditioned environment of:
  - temperature between 25°C and 30°C and not vary by more than 3°C; and
  - relative humidity <50% and not vary by more than 5%.
- The pre-weighted, conditioned and numbered fibreglass filter was centred, with rougher side up, on the supporting screen. The filter was aligned so that the gasket of the frame formed an airtight seal on the outer edges of the filter.
- The filter holding frame was placed onto the filter and then tightened with the brass bolts and washers with sufficient pressure to avoid air leakage from the edges.
- Any dirt accumulation from around the filter holder was wiped out and then closed the shelter lid and secured with the aluminum strip.
- A piece of flow record chart was inserted onto the flow rate recorder and placed under the chart guide clip and the time index clip so that it will rotate freely without binding. Set the time by rotating the drive hub clockwise until the correct time on chart was aligned with time index pointer.
- The flow recorder pen was checked to ensure it was inking and pressed the pen on the chart with sufficient pressure to make a visible trace.
- The timer was programmed and the start time was recorded on specified field record sheet. Other information such as the filter identification number, the weather and site conditions were also recorded.

5.2.2 1-hour TSP Monitoring

- The MIE monitor was switched on by pressing the ON/OFF button. The NEXT button was pressed to select Run or Ready mode.
- The NEXT button was pressed subsequently to check the following settings:
  - data logging function being switched on;
  - 5-min. log period;
  - the tag number for storage;
  - the analog output of 0-4.000mg/m^3;
  - the calibration factor of 1.0;
  - the averaging time of 10s;
  - enough battery charge; and
  - enough remaining memory.
- The monitoring was started by pressing ENTER. The real-time concentration was displayed as CONC and the time-averaged concentration was displayed as TWA.
- The monitoring was stopped by pressing EXIT and ENTER buttons.
- The date and start time, weather, site condition and the downloaded monitoring results were recorded on specified field record sheet.

5.2.3 Maintenance and Calibration

The HVS and their accessories were frequently checked and maintained in accordance with the manufacturer's operation & maintenance manual. Maintenance includes the checking of the supporting screen and the gasket, and routine replacement of motor carbon brushes for the blower motor. The power cords and power supply were checked each time before sampling to ensure proper operation.

The HVS are calibrated at 2-month intervals using GMW-2535 Calibration Kit which will be re-calibrated by the manufacturer after one year of use. The calibration certificates of the HVS are given in Appendix 4.

The MIE monitor and its accessories were frequently checked and maintained in accordance with the manufacturer's operation & maintenance manual to ensure proper operation. Maintenance includes the checking of batteries, zero and sensitive adjustment and filter replacement.

The MIE monitor is returned to the manufacturer for calibration bi-annually. The calibration certificates of the MIE monitor are given in the Monthly EM&A Report – April 2002 (Report No. 23156-16)[8].

5.3 Results

Air quality monitoring was conducted at monitoring stations Ma On Shan Lutheran Primary School (AM2), Ma On Shan Joseph's Primary School (AM3), Villa Concerto, Symphony Bay (AM4), Club House, Monte Vista (AM5) and Kam Yiu House, Kam Ying Court.

A total of five 24-hour TSP monitoring were conducted at AM2, AM3, AM4 and AM5, and one 24-hour TSP monitoring was conducted at AM6. The 24-hour TSP monitoring results are tabulated in Table 5-2. Detailed monitoring data are given in Appendix 5.

Table 5-2 - 24-hour TSP monitoring results for November 2002.

Date of Monitoring	24-hour TSP Monitoring Results,(μg/m³)				
	AM2	AM3	AM4	AM5	AM6#
02/11/02 (Sat)	54.8	57.6	46.6	38.1	-
08/11/02 (Fri)	71.1	76.0	57.8	67.3	-
14/11/02 (Thu)	63.0	64.2	48.9	58.5	-
20/11/02 (Wed)	81.8	87.3	85.4	70.2	-
26/11/02 (Tue)	74.2	79.6	73.1	69.1	64.8

Noted: # The electrical cable of the HVS at AM6 was damaged by the waste collector in early October 2002, which caused temporary suspension of the 24-hour TSP monitoring in October and early November 2002. The HVS at AM6 was repaired on 21 November 2002 and the monitoring was resumed on 26 November 2002.

A total of fifteen 1-hour TSP monitoring were conducted at each location. The monitoring results are tabulated in Table 5-3 and the detailed monitoring data are given in Appendix 6.

Table 5-3 - 1-hour TSP monitoring results for November 2002.

Date of Monitoring	1-hour TSP Monitoring Results,(μg/m³)				
	AM2	AM3	AM4	AM5	AM6
06/11/02 (Wed)	180.1	180.8	176.0	183.7	184.6
	199.6	198.7	162.2	163.4	199.2
	167.9	173.7	143.2	149.7	180.6
12/11/02 (Tue)	182.9	174.5	154.7	132.6	194.2
	162.5	155.7	146.6	120.9	174.4
	170.0	164.0	140.9	137.2	182.8
15/11/02 (Fri)	184.2	187.1	162.2	164.7	149.4
	178.2	179.3	159.8	158.8	152.9
	182.4	182.7	156.4	159.4	143.7
21/11/02 (Thu)	138.6	157.6	157.1	154.0	169.7
	148.9	154.3	157.2	157.8	179.2
	148.3	161.1	161.9	162.3	180.6
27/11/02 (Wed)	197.1	221.4	219.8	204.8	218.4
	197.0	222.5	219.5	197.1	216.8
	194.7	221.7	209.9	201.1	213.1

6. SITE INSPECTION, ENVIRONMENTAL COMPLAINT AND NON-COMPLIANCE RECORDS

6.1 Inspection Results

Four weekly site inspections were conducted in November 2002. Key findings of the site inspections are given below: -

- The Contractor has received four Construction Noise Permits (CNP) for the construction works near Hang On Estate, near Kam Ying Court, and near Yiu On Estate. Details of the permit conditions are given in Construction Noise Permit No. GW-TN0427-2002 issued on 25 October 2002 and Construction Noise Permit No. GW-TN0458-2002 issued on 19 November 2002 and Construction Noise Permits No. GW-TN0478-2002 and GW-TN0485-2002 issued on 29 November 2002. The copies of each CNP are given in Appendix 7.

- The temporary slope near Monte Vista was hydroseeded. Performance was satisfactory. Photo showing the temporary slope near Monte Vista is given in Figure 6-1.

Figure 6-1 – The temporary slope near Monte Vista.

- The door of the air compressor was opened during operation. As instructed by EA, the Contractor had closed the door immediately. Photo showing the air compressor near Monte Vista is given in Figure 6-2.

Figure 6-2 – The air compressor near Monte Vista.

- Chemical and diesel drums were observed at cap13 of TC bridge area. As instructed by EA, the Contractor had removed the drums immediately. Photo showing the chemical and diesel drums at TC bridge area is given in Figure 6-3.

Figure 6-3 Chemical and diesel drums at TC bridge area

6.2 Waste Disposal

6.2.1 Waste Disposal Data for October 2002

Incorrect waste data provided by the Contractor in October 2002 have been amended and they are summarised below:

A total of 48 loads of Construction and Demolition Waste (C&D waste) had been disposed of at NENT Landfill in October 2002. The total tonnage of the C&D waste disposal in November 2002 was 378.0 tonnes.

A total of 2,989 loads of rocks (ϕ > 400mm) had been disposed of at the following government project sites in October 2002:

- *Contract No. FL 26/01 River Training for Upper River Indus – Completion of the Remaining Works between Man Kam To Road and KCRC Bridges,*
- *Contract No. KCRC CC-603 Landscape Works for KCRC West Rail Building,*
- *Contract No. FL27/02 Completion of the Remaining River Training Works for Upper Indus between Man Kam To & San Wai and*
- *Contract No. HY/2000/21 Route 9 Ngong Shuen Chau Viaduct*.

The total quantity of disposed rocks was 18,740.2 m^3 in October 2002.

A total of 69 loads of inert materials had been disposed of at Public Filling Area in October 2002. The total quantity of the disposed inert materials was 414.0 m^3 in October 2002.

6.2.2 Waste Disposal Data for November 2002

The waste disposal data for November 2002 is given below:

A total of 94 loads of Construction and Demolition Waste (C&D waste) had been disposed of at NENT and WENT Landfill in November 2002. The total tonnage of the C&D waste disposal in November 2002 was 725.0 tonnes.

A total of 1,232 loads of rocks (ϕ > 400mm) had been disposed of at the following government project sites in November 2002:

- *Contract No. FL 26/01 River Training for Upper River Indus – Completion of the Remaining Works between Man Kam To Road and KCRC Bridges,*
- *Contract No. FL27/02 Completion of the Remaining River Training Works for Upper Indus between Man Kam To & San Wai and*
- *Contract No. HY/2000/21 Route 9 Ngong Shuen Chau Viaduct*.

The total quantity of disposed rocks was 7,565.7m^3 in November 2002.

A total of 80 loads of inert materials had been disposed of at Public Filling Area in November 2002. The total quantity of the disposed inert materials was 480.0 m^3 in November 2002.

6.3 EPD Site Inspection

ET was informed by the CT that EPD had visited the site on 4 November 2002. No comment was recorded.

6.4 Complaint Record

Three public complaints regarding construction noise were received on 5 November 2002 through the Territory Development Department, 23 and 30 November 2002 through the Environmental Protection Department. The complaint received on 5 and 23 November 2002 had been solved in November 2002. ET, ER and CT were still following up the complaint received on 30 November 2002. The memorandums for the public complaints are given in Appendix 8.

6.5 Non-compliance Record

There was no exceedance recorded in November 2002.

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7. REFERENCES

[1] Truck Road T7 in Ma On Shan - Environmental Impact Assessment Study, Final Assessment Report, Maunsell Consultants Asia Limited.

[2] Brief for Environmental Monitoring and Audit for the Sha Tin New Town, stage II Contract No. ST 86/2000 Construction of Road T7 in Ma On Shan, Maunsell Consultants Asia Limited.

[3] Environmental Permit No. EP-057/2000 for the Designated Project "Truck Road T7 in Ma On Shan", Environmental Protection Department, HKSAR.

[4] Trunk Road T7 in Ma On Shan - Environmental Monitoring and Audit Manual, Maunsell Consultant Asia Limited, HKSAR.

[5] Sha Tin New Town, Stage II Contract No. ST 86/2000 Construction of Road T7 in Ma On Shan - Baseline Monitoring Report, Maunsell Consultants Asia Ltd.

[6] Sha Tin New Town, Stage II Contract No. ST 86/2000 Construction of Road T7 in Ma On Shan Monthly EM&A Report – August 2002, Ove Arup & Partners Hong Kong Limited.

[7] Title 40 of the Code of Federal Regulations, Chapter 1, Part 50 - National Primary and Secondary Ambient Air Quality Standards, Appendix B - Reference Method for the Determination of Suspended Particulate Matter in the Atmosphere (High-volume Method), Environmental Protection Agency, US.

[8] Sha Tin New Town, Stage II Contract No. ST 86/2000 Construction of Road T7 in Ma On Shan Monthly EM&A Report – April 2002, Ove Arup & Partners Hong Kong Limited.

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APPENDIX 1

EM&A Programme for November 2002

Environmental Monitoring and Audit Schedule - November 2002

Note 1: **L30** denotes $L_{eq(30\ min)}$
Note 2: **L5** denotes $L_{eq(5\ min)}$
Note 3: **TSP** denotes Total Suspended Particulate
Note 4: * denotes the starting day of 6-days cycle

Nov-2002

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			Site inspection		1	2 24-hour TSP monitoring
3 *	4	5	6 Site inspection L30 monitoring (day time) 3xL5 monitoring (evening time) 3 x 1-hour TSP monitoring	7	8 24-hour TSP monitoring	9 *
10	11	12 L30 monitoring (day time) 3xL5 monitoring (evening time) 3 x 1-hour TSP monitoring	13 Site inspection	14 24-hour TSP monitoring	15 3 x 1-hour TSP monitoring *	16
17	18	19	20 Site inspection 24-hour TSP monitoring	21 L30 monitoring (day time) 3xL5 monitoring (evening time) 3 x 1-hour TSP monitoring *	22	23
24	25	26 24-hour TSP monitoring	27 Site inspection L30 monitoring (day time) 3xL5 monitoring (evening time) 3 x 1-hour TSP monitoring *	28	29	30

APPENDIX 2

EM&A Schedule for December 2002

Environmental Monitoring and Audit Schedule - December 2002

Note 1: **L30** denotes $L_{eq(30\ min)}$
Note 2: **L5** denotes $L_{eq(5\ min)}$
Note 3: **TSP** denotes Total Suspended Particulate
Note 4: * denotes the starting day of 6-days cycle

Dec-2002

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	2 24-hour TSP monitoring	3 *	4 Site inspection L30 monitoring (day time) 3xL5 monitoring (evening time) 3 x 1-hour TSP monitoring	5	6	7
8 24-hour TSP monitoring 3 x 1-hour TSP monitoring (Baseline ambient checking)	9 *	10 24-hour TSP monitoring	11 Site inspection L30 monitoring (day time) 3xL5 monitoring (evening time) 3 x 1-hour TSP monitoring	12	13	14 24-hour TSP monitoring
15 *	16	17	18 Site inspection L30 monitoring (day time) 3xL5 monitoring (evening time) 3 x 1-hour TSP monitoring	19	20 24-hour TSP monitoring	21 *
22	23 Site inspection	24 L30 monitoring (day time) 3xL5 monitoring (evening time) 3 x 1-hour TSP monitoring	25	26	27 24-hour TSP monitoring *	28
29	30	31 Site inspection L30 monitoring (day time) 3xL5 monitoring (evening time) 3 x 1-hour TSP monitoring				

APPENDIX 3

Noise Impact Monitoring Results for November 2002

Details of Day Time Noise Impact Monitoring

Month	Date	NSR No.	Time periods		Weather condition	Avg. wind speed (m/s)	Noise Level dB(A)		
			Start	Finish			L_{eq}	L_{10}	L_{90}
Nov-02	06-Nov-02	NM2	8:00	8:30	Sunny	0.5	67.0	69.5	62.0
Nov-02	06-Nov-02	NM3	8:45	9:15	Sunny	0.3	63.5	66.0	59.0
Nov-02	06-Nov-02	NM4	9:30	10:00	Sunny	0.6	68.5	71.4	61.8
Nov-02	06-Nov-02	NM6	13:00	13:30	Sunny	0.7	68.0	72.0	62.5
Nov-02	06-Nov-02	NM7	10:15	10:45	Sunny	0.4	65.5	69.0	61.5
Nov-02	06-Nov-02	NM8	10:55	11:25	Sunny	0.6	69.5	73.0	63.0
Nov-02	12-Nov-02	NM2	10:25	10:55	sunny	0.5	64.5	67.0	61.0
Nov-02	12-Nov-02	NM3	9:50	10:20	sunny	0.4	63.0	65.5	60.0
Nov-02	12-Nov-02	NM4	9:15	9:45	sunny	0.6	67.5	71.4	62.0
Nov-02	12-Nov-02	NM6	10:55	11:25	sunny	0.3	68.7	72.0	62.5
Nov-02	12-Nov-02	NM7	11:30	12:00	sunny	0.4	68.0	73.0	62.0
Nov-02	12-Nov-02	NM8	13:00	13:30	sunny	0.2	70.0	73.5	63.5
Nov-02	21-Nov-02	NM2	8:50	9:20	sunny	0.4	67.5	70.0	64.0
Nov-02	21-Nov-02	NM3	9:25	9:55	sunny	0.2	64.5	67.0	60.5
Nov-02	21-Nov-02	NM4	10:05	10:35	sunny	0.6	70.5	73.5	65.5
Nov-02	21-Nov-02	NM6	10:40	11:10	sunny	0.7	69.8	72.3	60.0
Nov-02	21-Nov-02	NM7	11:20	11:50	sunny	0.5	67.0	70.5	62.0
Nov-02	21-Nov-02	NM8	13:00	13:30	sunny	0.4	66.8	71.2	61.0
Nov-02	27-Nov-02	NM2	11:20	11:50	sunny	0.5	66.7	71.4	62.0
Nov-02	27-Nov-02	NM3	10:40	11:10	sunny	0.3	64.0	66.5	61.0
Nov-02	27-Nov-02	NM4	9:55	10:25	sunny	0.4	69.8	74.0	65.2
Nov-02	27-Nov-02	NM6	16:30	17:00	sunny	0.5	70.5	73.0	65.0
Nov-02	27-Nov-02	NM7	9:15	9:45	sunny	0.6	69.5	72.5	64.5
Nov-02	27-Nov-02	NM8	8:50	9:20	sunny	0.5	68.5	72.0	64.0

Details of Evening time Noise Impact Monitoring

Month	Date	Set No.	NSR No.	Time periods		Weather condition	Avg. wind speed (m/s)	Noise Level dB(A)		
				Start	Finish			L_{eq}	L_{10}	L_{90}
Nov-02	07-Nov-02	1	NM3	20:00	20:05	fine	0.3	61.5	64.5	58.0
Nov-02	07-Nov-02	2	NM3	20:05	20:10	fine	0.3	62.0	66.0	58.5
Nov-02	07-Nov-02	3	NM3	20:10	20:15	fine	0.3	60.0	63.5	58.0
Nov-02	07-Nov-02	1	NM4	20:25	20:30	fine	0.5	60.0	63.0	58.0
Nov-02	07-Nov-02	2	NM4	20:30	20:35	fine	0.5	62.0	65.0	60.5
Nov-02	07-Nov-02	3	NM4	20:35	20:40	fine	0.5	61.0	63.8	58.0
Nov-02	07-Nov-02	1	NM6	21:30	21:35	fine	0.4	63.0	66.0	58.0
Nov-02	07-Nov-02	2	NM6	21:35	21:40	fine	0.4	61.5	64.0	58.0
Nov-02	07-Nov-02	3	NM6	21:40	21:45	fine	0.4	62.0	65.5	58.5
Nov-02	07-Nov-02	1	NM8	20:50	20:55	fine	0.4	63.5	65.8	59.5
Nov-02	07-Nov-02	2	NM8	20:55	21:00	fine	0.4	65.5	68.0	60.5
Nov-02	07-Nov-02	3	NM8	21:00	21:05	fine	0.4	63.0	64.5	60.0
Nov-02	12-Nov-02	1	NM3	19:00	19:05	fine	0.2	60.5	63.0	57.5
Nov-02	12-Nov-02	2	NM3	19:05	19:10	fine	0.2	63.0	65.5	59.0
Nov-02	12-Nov-02	3	NM3	19:10	19:15	fine	0.2	61.0	64.8	58.0
Nov-02	12-Nov-02	1	NM4	19:35	19:40	fine	0.2	61.0	62.5	57.0
Nov-02	12-Nov-02	2	NM4	19:40	19:45	fine	0.2	60.5	62.0	56.5
Nov-02	12-Nov-02	3	NM4	19:45	19:50	fine	0.2	60.5	62.0	56.0
Nov-02	12-Nov-02	1	NM6	20:30	20:35	fine	0.4	62.5	65.0	57.0
Nov-02	12-Nov-02	2	NM6	20:35	20:40	fine	0.4	63.0	65.8	56.5
Nov-02	12-Nov-02	3	NM6	20:40	20:45	fine	0.4	63.0	65.0	56.5
Nov-02	12-Nov-02	1	NM8	20:00	20:05	fine	0.4	63.0	65.5	58.5
Nov-02	12-Nov-02	2	NM8	20:05	20:10	fine	0.4	64.5	66.0	60.0
Nov-02	12-Nov-02	3	NM8	20:10	20:15	fine	0.4	63.8	65.0	57.0
Nov-02	21-Nov-02	1	NM3	19:00	19:05	fine	0.5	60.0	64.5	58.0
Nov-02	21-Nov-02	2	NM3	19:05	19:10	fine	0.5	62.5	65.0	58.5
Nov-02	21-Nov-02	3	NM3	19:10	19:15	fine	0.5	63.0	65.0	58.5
Nov-02	21-Nov-02	1	NM4	19:30	19:35	fine	0.6	62.0	64.5	58.0
Nov-02	21-Nov-02	2	NM4	19:35	19:40	fine	0.6	61.5	65.0	58.5
Nov-02	21-Nov-02	3	NM4	19:40	19:45	fine	0.6	62.0	65.0	58.5
Nov-02	21-Nov-02	1	NM6	20:30	20:35	fine	0.5	61.8	63.5	60.0
Nov-02	21-Nov-02	2	NM6	20:35	20:40	fine	0.5	62.0	64.5	60.0
Nov-02	21-Nov-02	3	NM6	20:40	20:45	fine	0.5	63.5	66.0	59.0
Nov-02	21-Nov-02	1	NM8	19:55	20:00	fine	0.6	64.0	65.5	60.0
Nov-02	21-Nov-02	2	NM8	20:00	20:05	fine	0.6	64.5	65.8	60.5
Nov-02	21-Nov-02	3	NM8	20:05	20:10	fine	0.6	63.8	66.0	60.5
Nov-02	27-Nov-02	1	NM3	19:00	19:05	fine	0.3	61.0	65.5	60.0
Nov-02	27-Nov-02	2	NM3	19:05	19:10	fine	0.3	61.5	66.0	59.5
Nov-02	27-Nov-02	3	NM3	19:10	19:15	fine	0.3	62.0	66.0	59.0
Nov-02	27-Nov-02	1	NM4	19:30	19:35	fine	0.5	60.5	64.0	58.5
Nov-02	27-Nov-02	2	NM4	19:35	19:40	fine	0.5	62.0	64.5	59.0
Nov-02	27-Nov-02	3	NM4	19:40	19:45	fine	0.5	60.0	64.0	58.5
Nov-02	27-Nov-02	1	NM6	21:00	21:05	fine	0.5	62.5	66.0	58.0
Nov-02	27-Nov-02	2	NM6	21:05	21:10	fine	0.5	64.0	65.5	58.0
Nov-02	27-Nov-02	3	NM6	21:10	21:15	fine	0.5	63.0	65.0	57.5
Nov-02	27-Nov-02	1	NM8	20:00	20:05	fine	0.5	62.0	66.0	58.5
Nov-02	27-Nov-02	2	NM8	20:05	20:10	fine	0.5	61.0	64.5	58.0
Nov-02	27-Nov-02	3	NM8	20:10	20:15	fine	0.5	61.5	64.5	58.0

APPENDIX 4

Calibration Certificates of HVS

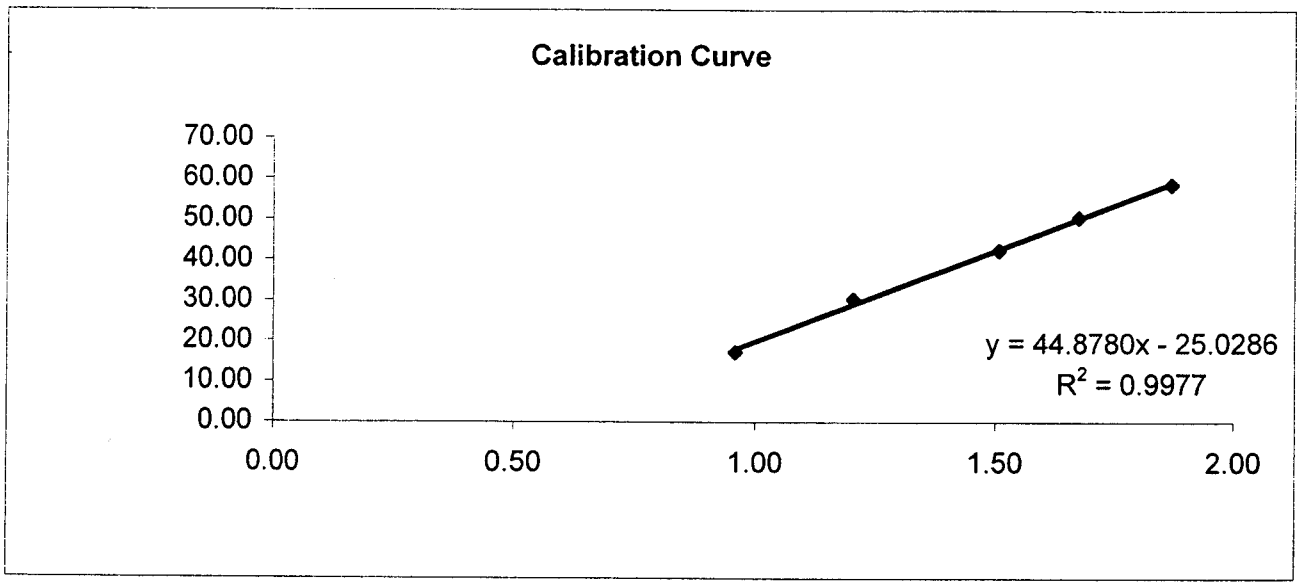
Ove Arup Partners (Hong Kong) Limited

High Volume Air Sampler Calibration Worksheet

Calibration date	06-Nov-02	**Barometric pressure**	761.3 mm Hg
Next Calibration date	05-Jan-03	**Tempature (°C)**	20 °C
Sampler location	Roof, Ma On Shan Lutheran Primar	**Tempature (K)**	293 K
Sampler model	GMWS-2310-105	**P_{std}**	760 mm Hg
Sampler serial number	1387	**T_{std}**	298 K

Calibrator model	GMW-2535
Calibrator serial number	1201
Slope of the standard curve, m_s	1.96531
Intercept of the standard curve, b_s	-0.02294

Resistance Plate No.	Manometer Reading (inch H_2O)	Flow Recorder Reading (CFM)	Calculated Q_{std} (m^3/min)	Continuous Flow Recorder Reading IC (CFM)
5	3.40	17.00	0.96	17.16
7	5.40	30.00	1.21	30.28
10	8.50	42.00	1.51	42.39
13	10.50	50.00	1.68	50.47
18	13.10	58.00	1.87	58.54



Linear Regression

Sampler slope (m) :	**44.8780**
Sampler intercept (b) :	**-25.0286**
Correlation coefficient (R^2) :	**0.9977**

Correlation coefficient is greater than 0.9900 and the calibration result is accepted.

Performed by: _____ Date: 08/11/02

Checked by: _____ Date: 08/11/02

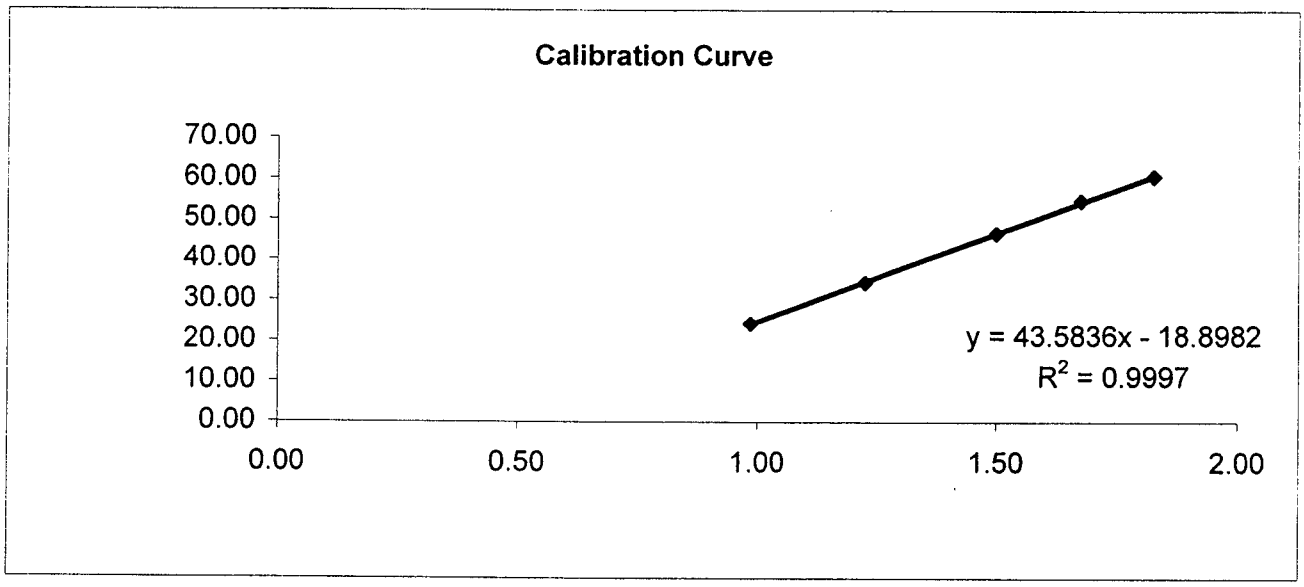
Ove Arup Partners (Hong Kong) Limited

High Volume Air Sampler Calibration Worksheet

Calibration date	06-Nov-02	**Barometric pressure**	761.3 mm Hg
Next Calibration date	05-Jan-03	**Tempature (°C)**	20 °C
Sampler location	Roof, Ma On Shan St.Joseph's Prin	**Tempature (K)**	293 K
Sampler model	GMWS-2310-105	**P_{std}**	760 mm Hg
Sampler serial number	1278	**T_{std}**	298 K

Calibrator model	0
Calibrator serial number	1201
Slope of the standard curve, m_s	1.96531
Intercept of the standard curve, b_s	-0.02294

Resistance Plate No.	Manometer Reading (inch H_2O)	Flow Recorder Reading (CFM)	Calculated Q_{std} (m^3/min)	Continuous Flow Recorder Reading IC (CFM)
5	3.60	24.00	0.99	24.22
7	5.60	34.00	1.23	34.32
10	8.40	46.00	1.50	46.43
13	10.50	54.00	1.68	54.51
18	12.50	60.00	1.83	60.56



Linear Regression

Sampler slope (m) :	**43.5836**
Sampler intercept (b) :	**-18.8982**
Correlation coefficient (R^2) :	**0.9997**

Correlation coefficient is greater than 0.9900 and the calibration result is accepted.

Performed by: _____ Date: 6/11/02

Checked by: _____ Date: 08/11/02

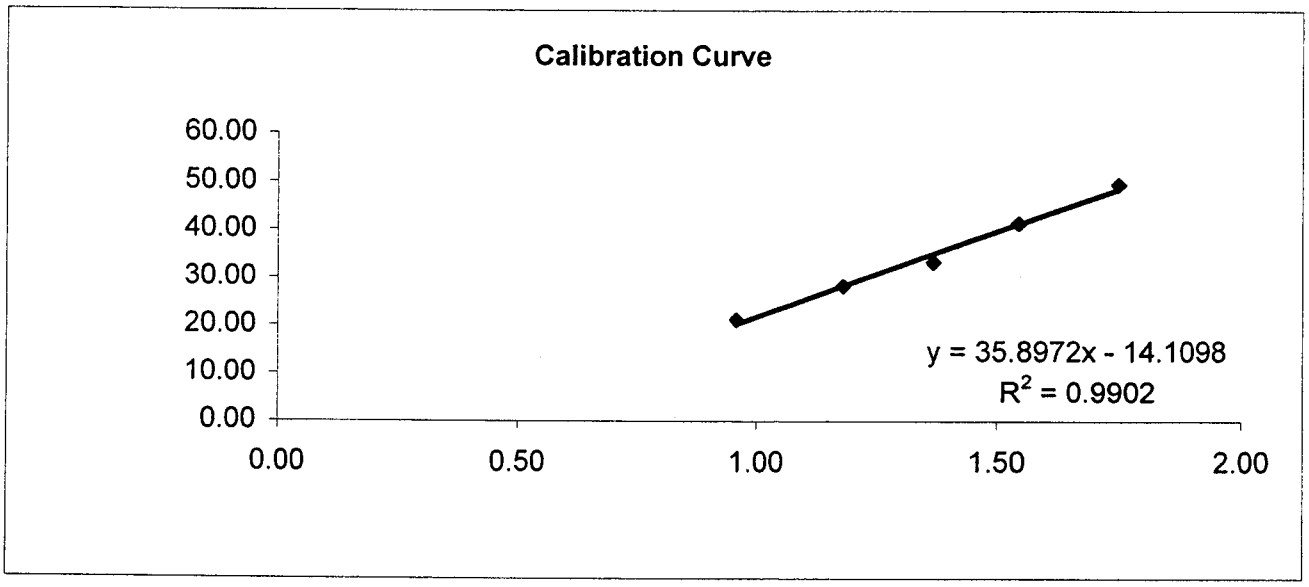
Ove Arup Partners (Hong Kong) Limited

High Volume Air Sampler Calibration Worksheet

Calibration date	06-Nov-02	**Barometric pressure**	761.3 mm Hg
Next Calibration date	05-Jan-03	**Tempature (°C)**	20 °C
Sampler location	Roof, Block 1, Symphony Bay	**Tempature (K)**	293 K
Sampler model	GMWS-2310-105	**P_{std}**	760 mm Hg
Sampler serial number	1391	**T_{std}**	298 K

Calibrator model	GMW-2535
Calibrator serial number	1201
Slope of the standard curve, m_s	1.96531
Intercept of the standard curve, b_s	-0.02294

Resistance Plate No.	Manometer Reading (inch H_2O)	Flow Recorder Reading (CFM)	Calculated Q_{std} (m^3/min)	Continuous Flow Recorder Reading IC (CFM)
5	3.40	21.00	0.96	21.20
7	5.20	28.00	1.18	28.26
10	7.00	33.00	1.37	33.31
13	8.90	41.00	1.54	41.38
18	11.40	49.00	1.75	49.46



Linear Regression

Sampler slope (m) :	**35.8972**
Sampler intercept (b) :	**-14.1098**
Correlation coefficient (R^2) :	**0.9902**

Correlation coefficient is greater than 0.9900 and the calibration result is accepted.

Performed by: _____ Date: 6/11/02

Checked by: _____ Date: 08/11/02

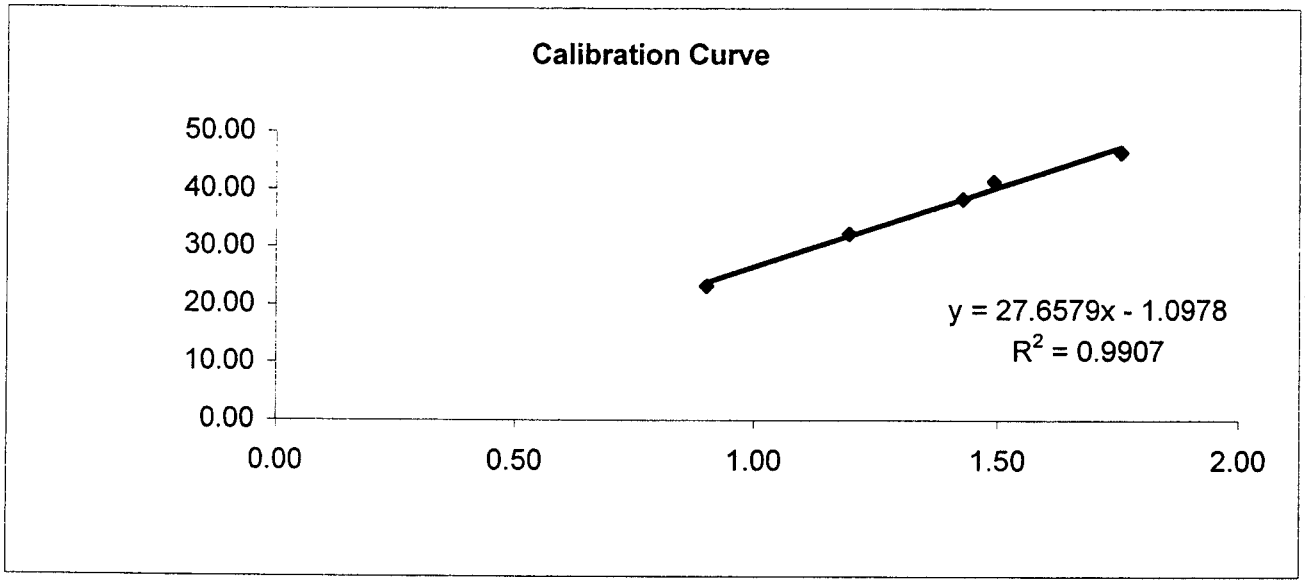
Ove Arup Partners (Hong Kong) Limited

High Volume Air Sampler Calibration Worksheet

Calibration date	06-Nov-02	**Barometric pressure**	761.3 mm Hg
Next Calibration date	05-Jan-03	**Tempature (°C)**	20 °C
Sampler location	Roof, Club House, Monte Vista	**Tempature (K)**	293 K
Sampler model	GMWS-2310-105	**P_{std}**	760 mm Hg
Sampler serial number	1763	**T_{std}**	298 K

Calibrator model	GMW-2535
Calibrator serial number	1201
Slope of the standard curve, m_s	1.96531
Intercept of the standard curve, b_s	-0.02294

Resistance Plate No.	Manometer Reading (inch H_2O)	Flow Recorder Reading (CFM)	Calculated Q_{std} (m^3/min)	Continuous Flow Recorder Reading IC (CFM)
5	3.00	23.00	0.90	23.22
7	5.30	32.00	1.19	32.30
10	7.60	38.00	1.43	38.36
13	8.30	41.00	1.49	41.38
18	11.50	46.00	1.75	46.43



Linear Regression

Sampler slope (m) :	**27.6579**
Sampler intercept (b) :	**-1.0978**
Correlation coefficient (R^2) :	**0.9907**

Correlation coefficient is greater than 0.9900 and the calibration result is accepted.

Performed by: Kenny Date: 06-11-02

Checked by: T. Chu Date: 08/11/02

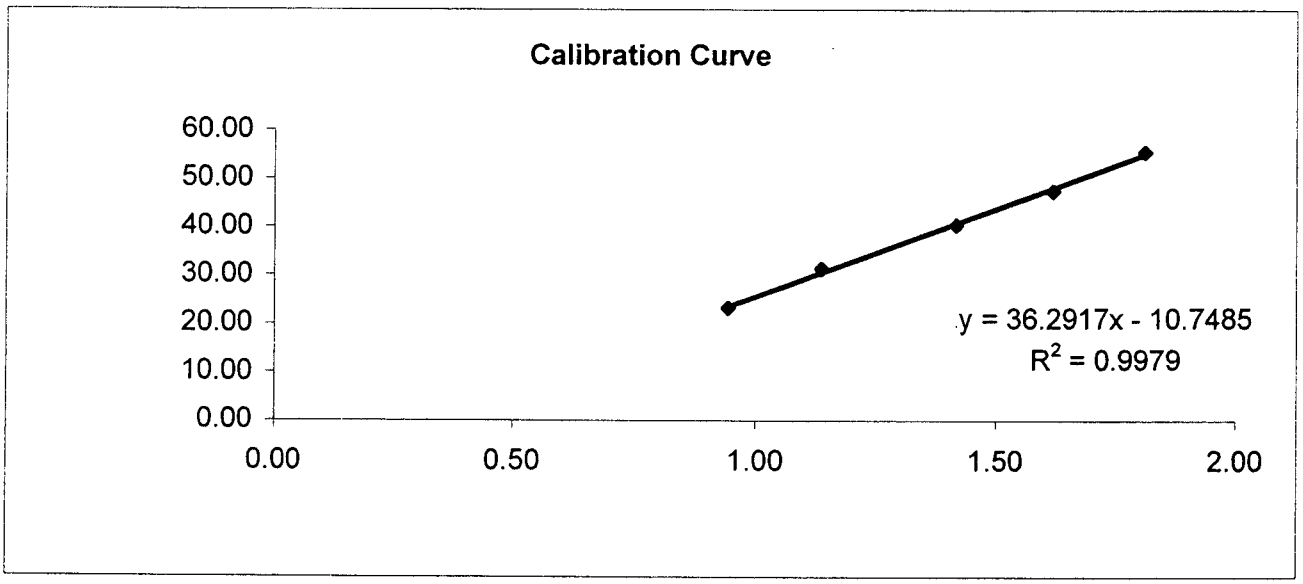
Ove Arup Partners (Hong Kong) Limited

High Volume Air Sampler Calibration Worksheet

Calibration date	06-Nov-02	**Barometric pressure**	761.3 mm Hg
Next Calibration date	05-Jan-03	**Tempature (°C)**	20 °C
Sampler location	Kam Yiu House,Kam Ying Court	**Tempature (K)**	293 K
Sampler model	TE-5170	**P_{std}**	760 mm Hg
Sampler serial number	0513	**T_{std}**	298 K

Calibrator model	GMW-2535
Calibrator serial number	1201
Slope of the standard curve, m_s	1.96531
Intercept of the standard curve, b_s	-0.02294

Resistance Plate No.	Manometer Reading (inch H_2O)	Flow Recorder Reading (CFM)	Calculated Q_{std} (m^3/min)	Continuous Flow Recorder Reading IC (CFM)
5	3.30	23.00	0.94	23.22
7	4.80	31.00	1.14	31.29
10	7.50	40.00	1.42	40.37
13	9.80	47.00	1.62	47.44
18	12.30	55.00	1.81	55.51



Linear Regression

Sampler slope (m) :	**36.2917**
Sampler intercept (b) :	**-10.7485**
Correlation coefficient (R^2) :	**0.9979**

Correlation coefficient is greater than 0.9900 and the calibration result is accepted.

Performed by: _____ Date: 8-11-02

Checked by: _____ Date: 08/11/02

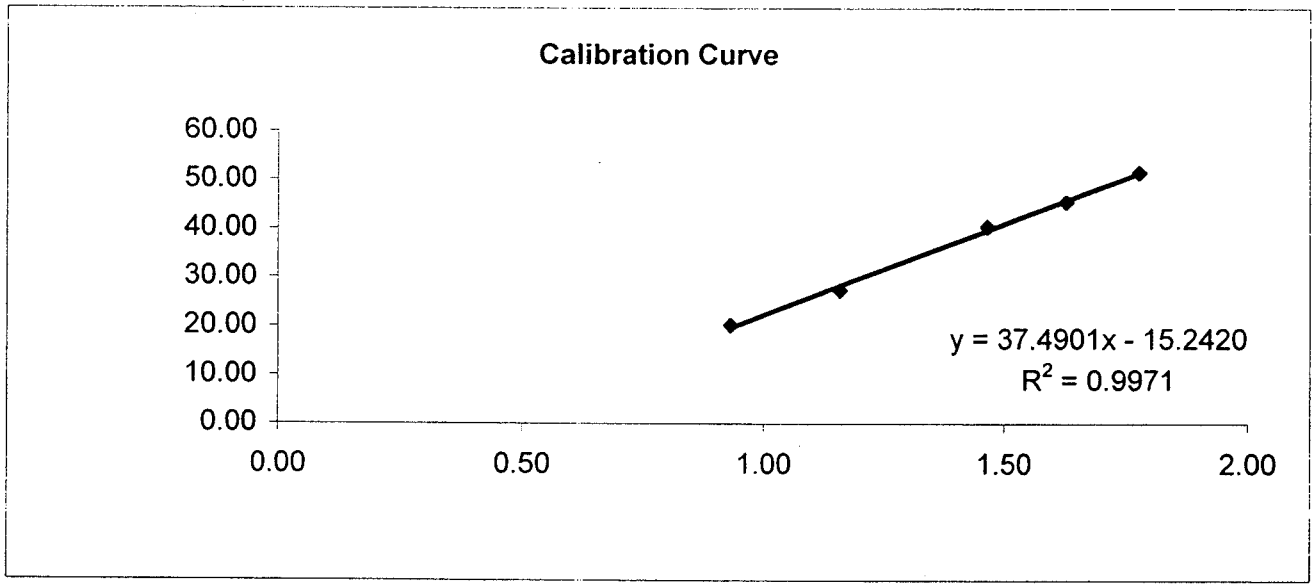
Ove Arup Partners (Hong Kong) Limited

High Volume Air Sampler Calibration Worksheet

Calibration date	21-Nov-02	**Barometric pressure**	765 mm Hg
Next Calibration date	20-Jan-03	**Tempature (°C)**	21 °C
Sampler location	Kam Yiu House,Kam Ying Court	**Tempature (K)**	294 K
Sampler model	TE-5170	**P_{std}**	760 mm Hg
Sampler serial number	0513	**T_{std}**	298 K

Calibrator model	GMW-2535
Calibrator serial number	1201
Slope of the standard curve, m_s	1.96531
Intercept of the standard curve, b_s	-0.02294

Resistance Plate No.	Manometer Reading (inch H_2O)	Flow Recorder Reading (CFM)	Calculated Q_{std} (m^3/min)	Continuous Flow Recorder Reading IC (CFM)
5	3.20	20.00	0.93	20.20
7	5.00	27.00	1.16	27.27
10	8.00	40.00	1.47	40.40
13	9.90	45.00	1.63	45.45
18	11.80	51.00	1.78	51.51



Linear Regression

Sampler slope (m) : **37.4901**

Sampler intercept (b) : **-15.2420**

Correlation coefficient (R^2) : **0.9971**

Correlation coefficient is greater than 0.9900 and the calibration result is accepted.

Performed by: Parky Date: 21/11/02

Checked by: Thomas Chan Date: 26/11/02

APPENDIX 5

24-hour TSP Monitoring Results for November 2002

Details of 24-Hour TSP Monitoring

Filter No.	Month	Date	Receptor No.	Weather condition	Site condition	Filter Weight (g)		TSP weight (g)	Flow Rate (m^3/min)		Average Flow Rate (m^3/min)	Elapse Time		Sampling Time (mins.)	Total vol. (m^3)	24-hour TSP Level ($\mu g/m^3$)
						Initial	Final		Initial	Final		Start	Finish			
DK62	Nov-02	02-Nov-02	AM2	Sunny	normal operation	3.7266	3.8336	0.1070	1.3510	1.3600	1.3555	2595.52	2619.53	1440.60	1952.73	54.8
DK63	Nov-02	02-Nov-02	AM3	Sunny	normal operation	3.7306	3.8410	0.1104	1.3259	1.3345	1.3302	2502.94	2526.94	1440.00	1915.49	57.6
DK64	Nov-02	02-Nov-02	AM4	Sunny	normal operation	3.7104	3.8200	0.1096	1.6273	1.6382	1.6328	2558.23	2582.23	1440.00	2351.16	46.6
DK65	Nov-02	02-Nov-02	AM5	Sunny	normal operation	3.6999	3.7747	0.0748	1.3575	1.3683	1.3629	2122.92	2146.92	1440.00	1962.58	38.1
DK96	Nov-02	08-Nov-02	AM2	Sunny	normal operation	3.6298	3.7684	0.1386	1.3705	1.3368	1.3537	2619.53	2643.53	1440.00	1949.26	71.1
DK97	Nov-02	08-Nov-02	AM3	Sunny	normal operation	3.6261	3.7607	0.1346	1.2706	1.1900	1.2303	2526.94	2550.94	1440.00	1771.63	76.0
DK98	Nov-02	08-Nov-02	AM4	Sunny	normal operation	3.6195	3.7548	0.1353	1.6351	1.6176	1.6264	2582.23	2606.23	1440.00	2341.94	57.8
DK99	Nov-02	08-Nov-02	AM5	Sunny	normal operation	3.6012	3.7360	0.1348	1.4845	1.2980	1.3913	2146.92	2170.92	1440.00	2003.40	67.3
DL36	Nov-02	14-Nov-02	AM2	Sunny	normal operation	3.6094	3.7306	0.1212	1.3591	1.3110	1.3351	2643.53	2667.53	1440.00	1922.47	63.0
DL37	Nov-02	14-Nov-02	AM3	Sunny	normal operation	3.6266	3.7449	0.1183	1.3505	1.2093	1.2799	2550.94	2574.94	1440.00	1843.06	64.2
DL38	Nov-02	14-Nov-02	AM4	Sunny	normal operation	3.6225	3.7362	0.1137	1.6176	1.6118	1.6147	2606.23	2630.23	1440.00	2325.17	48.9
DL39	Nov-02	14-Nov-02	AM5	Sunny	normal operation	3.6303	3.7479	0.1176	1.4777	1.3158	1.3968	2170.92	2194.92	1440.00	2011.32	58.5
DL70	Nov-02	20-Nov-02	AM2	Sunny	normal operation	3.6748	3.8390	0.1642	1.4440	1.3441	1.3941	2667.53	2691.53	1440.00	2007.43	81.8
DL71	Nov-02	20-Nov-02	AM3	Sunny	normal operation	3.6872	3.8428	0.1556	1.2549	1.2203	1.2376	2574.94	2598.94	1440.00	1782.14	87.3
DL72	Nov-02	20-Nov-02	AM4	Sunny	normal operation	3.6913	3.8580	0.1667	1.3902	1.3201	1.3552	2630.23	2654.23	1440.00	1951.42	85.4
DL73	Nov-02	20-Nov-02	AM5	Sunny	normal operation	3.5858	3.7472	0.1614	1.5856	1.6075	1.5966	2194.92	2218.92	1440.00	2299.03	70.2
DN20	Nov-02	26-Nov-02	AM2	Sunny	normal operation	3.7218	3.8655	0.1437	1.3441	1.3470	1.3456	2691.53	2715.53	1440.00	1937.59	74.2
DN21	Nov-02	26-Nov-02	AM3	Sunny	normal operation	3.7109	3.8536	0.1427	1.2665	1.2231	1.2448	2598.94	2622.94	1440.00	1792.51	79.6
DN22	Nov-02	26-Nov-02	AM4	Sunny	normal operation	3.6975	3.8425	0.1450	1.4043	1.3516	1.3780	2654.23	2678.23	1440.00	1984.25	73.1
DN23	Nov-02	26-Nov-02	AM5	Sunny	normal operation	3.6903	3.8506	0.1603	1.6075	1.6131	1.6103	2218.92	2242.92	1440.00	2318.83	69.1
DN24	Nov-02	26-Nov-02	AM6	Sunny	normal operation	3.6689	3.7872	0.1183	1.3211	1.2164	1.2688	792.31	816.31	1440.00	1827.00	64.8

APPENDIX 6

1-hour TSP Monitoring Results for November 2002

Details of 1-Hour TSP Monitoring

Month	Date	Receptor No.	Set No.	Time periods		Weather condition	Site condition	Temp. (°C)	Pressure (mmHg)	1-hour TSP Level (μg/g³)
				Start	Finish					
Nov-02	06-Nov-02	AM2	1	7:40	8:40	Sunny	normal operation	20.0	767.3	180.1
Nov-02	06-Nov-02	AM2	2	8:40	9:40	Sunny	normal operation	20.0	767.3	199.6
Nov-02	06-Nov-02	AM2	3	9:40	10:40	Sunny	normal operation	20.0	767.3	167.9
Nov-02	06-Nov-02	AM3	1	7:31	8:31	Sunny	normal operation	20.0	767.3	180.8
Nov-02	06-Nov-02	AM3	2	8:31	9:31	Sunny	normal operation	20.0	767.3	198.7
Nov-02	06-Nov-02	AM3	3	9:31	10:31	Sunny	normal operation	20.0	767.3	173.7
Nov-02	06-Nov-02	AM4	1	10:56	11:56	Sunny	normal operation	20.0	767.3	176.0
Nov-02	06-Nov-02	AM4	2	13:01	14:01	Sunny	normal operation	20.0	767.3	162.2
Nov-02	06-Nov-02	AM4	3	14:01	15:01	Sunny	normal operation	20.0	767.3	143.2
Nov-02	06-Nov-02	AM5	1	10:52	11:52	Sunny	normal operation	20.0	767.3	183.7
Nov-02	06-Nov-02	AM5	2	13:02	14:02	Sunny	normal operation	20.0	767.3	163.4
Nov-02	06-Nov-02	AM5	3	14:02	15:02	Sunny	normal operation	20.0	767.3	149.7
Nov-02	06-Nov-02	AM6	1	7:41	8:41	Sunny	normal operation	20.0	767.3	184.6
Nov-02	06-Nov-02	AM6	2	8:46	9:46	Sunny	normal operation	20.0	767.3	199.2
Nov-02	06-Nov-02	AM6	3	10:56	11:56	Sunny	normal operation	20.0	767.3	180.6
Nov-02	12-Nov-02	AM2	1	8:45	9:45	Sunny	normal operation	26.0	761.0	182.9
Nov-02	12-Nov-02	AM2	2	9:55	10:55	Sunny	normal operation	26.0	761.0	162.5
Nov-02	12-Nov-02	AM2	3	10:55	11:55	Sunny	normal operation	26.0	761.0	170.0
Nov-02	12-Nov-02	AM3	1	8:47	9:47	Sunny	normal operation	26.0	761.0	174.5
Nov-02	12-Nov-02	AM3	2	9:57	10:57	Sunny	normal operation	26.0	761.0	155.7
Nov-02	12-Nov-02	AM3	3	10:57	11:57	Sunny	normal operation	26.0	761.0	164.0
Nov-02	12-Nov-02	AM4	1	13:02	14:02	Sunny	normal operation	26.0	761.0	154.7
Nov-02	12-Nov-02	AM4	2	14:27	15:27	Sunny	normal operation	26.0	761.0	146.6
Nov-02	12-Nov-02	AM4	3	15:47	16:47	Sunny	normal operation	26.0	761.0	140.9
Nov-02	12-Nov-02	AM5	1	13:01	14:01	Sunny	normal operation	26.0	761.0	132.6
Nov-02	12-Nov-02	AM5	2	14:11	15:11	Sunny	normal operation	26.0	761.0	120.9
Nov-02	12-Nov-02	AM5	3	15:11	16:11	Sunny	normal operation	26.0	761.0	137.2
Nov-02	12-Nov-02	AM6	1	8:48	9:48	Sunny	normal operation	26.0	761.0	194.2
Nov-02	12-Nov-02	AM6	2	9:58	10:58	Sunny	normal operation	26.0	761.0	174.4
Nov-02	12-Nov-02	AM6	3	10:58	11:58	Sunny	normal operation	26.0	761.0	182.8
Nov-02	15-Nov-02	AM2	1	8:46	9:46	Sunny	normal operation	28.0	759.0	184.2
Nov-02	15-Nov-02	AM2	2	9:46	10:46	Sunny	normal operation	28.0	759.0	178.2
Nov-02	15-Nov-02	AM2	3	10:46	11:46	Sunny	normal operation	28.0	759.0	182.4
Nov-02	15-Nov-02	AM3	1	8:49	9:49	Sunny	normal operation	28.0	759.0	187.1
Nov-02	15-Nov-02	AM3	2	9:49	10:49	Sunny	normal operation	28.0	759.0	179.3
Nov-02	15-Nov-02	AM3	3	10:49	11:49	Sunny	normal operation	28.0	759.0	182.7
Nov-02	15-Nov-02	AM4	1	8:47	9:47	Sunny	normal operation	28.0	759.0	162.2
Nov-02	15-Nov-02	AM4	2	9:47	10:47	Sunny	normal operation	28.0	759.0	159.8
Nov-02	15-Nov-02	AM4	3	10:47	11:47	Sunny	normal operation	28.0	759.0	156.4
Nov-02	15-Nov-02	AM5	1	8:51	9:51	Sunny	normal operation	28.0	759.0	164.7
Nov-02	15-Nov-02	AM5	2	9:51	10:51	Sunny	normal operation	28.0	759.0	158.8
Nov-02	15-Nov-02	AM5	3	10:51	11:51	Sunny	normal operation	28.0	759.0	159.4
Nov-02	15-Nov-02	AM6	1	8:59	9:59	Sunny	normal operation	28.0	759.0	149.4
Nov-02	15-Nov-02	AM6	2	9:59	10:59	Sunny	normal operation	28.0	759.0	152.9
Nov-02	15-Nov-02	AM6	3	10:59	11:59	Sunny	normal operation	28.0	759.0	143.7
Nov-02	21-Nov-02	AM2	1	8:33	9:33	Sunny	normal operation	22.0	765.0	138.6
Nov-02	21-Nov-02	AM2	2	9:33	10:33	Sunny	normal operation	22.0	765.0	148.9
Nov-02	21-Nov-02	AM2	3	10:33	11:33	Sunny	normal operation	22.0	765.0	148.3
Nov-02	21-Nov-02	AM3	1	8:32	9:32	Sunny	normal operation	22.0	765.0	157.6
Nov-02	21-Nov-02	AM3	2	9:32	10:32	Sunny	normal operation	22.0	765.0	154.3
Nov-02	21-Nov-02	AM3	3	10:32	11:32	Sunny	normal operation	22.0	765.0	161.1
Nov-02	21-Nov-02	AM4	1	8:56	9:56	Sunny	normal operation	22.0	765.0	157.1
Nov-02	21-Nov-02	AM4	2	9:56	10:56	Sunny	normal operation	22.0	765.0	157.2
Nov-02	21-Nov-02	AM4	3	10:56	11:56	Sunny	normal operation	22.0	765.0	161.9
Nov-02	21-Nov-02	AM5	1	8:30	9:30	Sunny	normal operation	22.0	765.0	154.0
Nov-02	21-Nov-02	AM5	2	9:30	10:30	Sunny	normal operation	22.0	765.0	157.8
Nov-02	21-Nov-02	AM5	3	10:30	11:30	Sunny	normal operation	22.0	765.0	162.3
Nov-02	21-Nov-02	AM6	1	8:37	9:37	Sunny	normal operation	22.0	765.0	169.7
Nov-02	21-Nov-02	AM6	2	9:37	10:37	Sunny	normal operation	22.0	765.0	179.2
Nov-02	21-Nov-02	AM6	3	10:37	11:37	Sunny	normal operation	22.0	765.0	180.6

Details of 1-Hour TSP Monitoring

Month	Date	Receptor No.	Set No.	Time periods		Weather condition	Site condition	Temp. (°C)	Pressure (mmHg)	1-hour TSP Level (μg/g³)
				Start	Finish					
Nov-02	27-Nov-02	AM2	1	8:21	9:21	Sunny	normal operation	21.0	768.0	197.1
Nov-02	27-Nov-02	AM2	2	9:21	10:21	Sunny	normal operation	21.0	768.0	197.0
Nov-02	27-Nov-02	AM2	3	10:21	11:21	Sunny	normal operation	21.0	768.0	194.7
Nov-02	27-Nov-02	AM3	1	8:24	9:24	Sunny	normal operation	21.0	768.0	221.4
Nov-02	27-Nov-02	AM3	2	9:24	10:24	Sunny	normal operation	21.0	768.0	222.5
Nov-02	27-Nov-02	AM3	3	10:24	11:24	Sunny	normal operation	21.0	768.0	221.7
Nov-02	27-Nov-02	AM4	1	8:22	9:22	Sunny	normal operation	21.0	768.0	219.8
Nov-02	27-Nov-02	AM4	2	9:22	10:22	Sunny	normal operation	21.0	768.0	219.5
Nov-02	27-Nov-02	AM4	3	10:22	11:22	Sunny	normal operation	21.0	768.0	209.9
Nov-02	27-Nov-02	AM5	1	8:16	9:16	Sunny	normal operation	21.0	768.0	204.8
Nov-02	27-Nov-02	AM5	2	9:16	10:16	Sunny	normal operation	21.0	768.0	197.1
Nov-02	27-Nov-02	AM5	3	10:16	11:16	Sunny	normal operation	21.0	768.0	201.1
Nov-02	27-Nov-02	AM6	1	13:11	14:11	Sunny	normal operation	21.0	768.0	218.4
Nov-02	27-Nov-02	AM6	2	14:11	15:11	Sunny	normal operation	21.0	768.0	216.8
Nov-02	27-Nov-02	AM6	3	15:11	16:11	Sunny	normal operation	21.0	768.0	213.1

APPENDIX 7

Construction Noise Permits No. GW-TN0427-2002, GW-TN0458-2002, GW-TN0478-2002 and GW-TN0485-2002

本署檔號
OUR REF: (6) in EP531/N01/TN0427-2002
來函檔號
YOUR REF:
電　話
TEL. NO.: 2158 5820
圖文傳真
FAX NO.: 2685 1133
電子郵件
E-MAIL:
網　址
Homepage: http://www.info.gov.hk/epd/

Environmental Protection Department
Local Control Office/Territory North
10/F, Sha Tin Government Offices,
No. 1 Sheung Wo Che Road,
Sha Tin, New Territories,
Hong Kong.

環境保護署
污染管制辦事處
(新界北)
香港新界沙田
上禾輋路一號
沙田政府合署 10 樓

Registered Post

25 October 2002

To: China Harbour Engineering Company (Group)
No.9 Lok Wo Sha Lane,
Ma On Shan,
Sha Tin, N.T.

Dear Sir,

Notice of Issue of Construction Noise Permit Pursuant to Section 8(6) of the Noise Control Ordinance (Cap. 400)

I write to inform you that, under section 8(6) of the Noise Control Ordinance, the Authority has decided to issue a construction noise permit in respect of your application, which was received by the Authority on 30 September 2002, for the use of powered mechanical equipment **for carrying out construction work** at **Construction of Road T7 in Ma On Shan near Heng On Estate, N.T.**

The construction noise permit No. **GW-TN0427-2002** is enclosed.

You are advised to read the conditions of the permit carefully and to ensure compliance with these conditions. Any breaching of the conditions may lead to cancellation of the permit, subsequent prosecution action and the Authority's refusal to issue further permit for the above construction site.

Yours faithfully,

(SZETO Wing - Kwok)
for Authority

FORM 3 [reg.5(a)]
NOISE CONTROL ORDINANCE
(Chapter 400)
SECTION 8(9)

CONSTRUCTION NOISE PERMIT FOR THE USE OF POWERED MECHANICAL EQUIPMENT FOR THE PURPOSE OF CARRYING OUT CONSTRUCTION WORK OTHER THAN PERCUSSIVE PILING AND/OR THE CARRYING OUT OF PRESCRIBED CONSTRUCTION WORK

CONSTRUCTION NOISE PERMIT NO. GW-TN0427-2002

To : China Harbour Engineering Company (Group)

This construction noise permit is issued in accordance with section 8 of the Noise Control Ordinance. Permission is granted for the use of powered mechanical equipment for the purpose of carrying out construction work other than percussive piling and/or the carrying out of prescribed construction work, subject to the conditions set out below. The carrying out of construction work otherwise than in accordance with the conditions may result in the permit being cancelled and in a prosecution for an offence.

CONDITIONS

1. Construction site where the powered mechanical equipment and/or prescribed construction work may be employed :
Full address : Construction of Road T7 in Ma On Shan near Heng On Estate, N.T.
Lot No.: —
The site boundary, that is, the boundary of the area within which the powered mechanical equipment may be used and the prescribed construction work may be carried out is delineated on the attached plan which forms part of this construction noise permit.

2. *~~PART~~/WHOLE of the site falls *~~WITHIN~~/OUTSIDE a designated area.

3. Powered Mechanical Equipment

a. Items of powered mechanical equipment which may be used inside the site boundary :

Identification code of item of powered mechanical equipment (if applicable)	*Description of item of powered mechanical equipment*	*No. of units*
CNP 103	Generator, super silenced, 70 dB(A) at 7 m	One
CNP 262	Winch (electric)	One

b. Validity of the construction noise permit for the use of the powered mechanical equipment :
Date and time of commencement : 28 October 2002 23:00 hours
Days and hours : Any day between 23:00 and 07:00 hours on next day
This part of the permit expires on : 27 January 2003 at 07:00 hours

c. One photograph, endorsed by the Authority, of each item of powered mechanical equipment described in this construction noise permit is required to be kept on the construction site and made available for inspection by the Authority.

d. Other conditions imposed on the use of the powered mechanical equipment :
Refer to attached sheet.

表格 3
噪音管制條例
(第400章)
第8(9)條

[第5(a)條]

建築噪音許可證
爲進行建築工程(撞擊式打樁除外)而使用機動設備及/或進行訂明建築工程

建築噪音許可證編號：GW-TN0427-2002

致：中國港灣建設(集團)總公司

本建築噪音許可證是按照《噪音管制條例》第8條的規定而發出的。現准予使用機動設備以進行撞擊式打樁工程以外的建築工程及/或進行訂明建築工程，但須受以下條件規限。若不按照該等條件進行建築工程，許可證可遭撤銷，而且會受到檢控。

條 件

1. 可使用機動設備及/或進行訂明建築工程的建築地盤：

   詳細地址：新界馬鞍山T7公路近恒安邨

   地段編號：-----

   地盤範圍(即可使用機動設備及進行訂明建築工程的地方範圍)已描劃於夾附的圖則上，而該圖則是本建築噪音許可證的一部分。

2. 該地盤~~部分~~/全部*位於指定範圍之~~內~~/外*。

3. 機動設備

   a. 在地盤範圍內可使用的各項機動設備：

各項機動設備的識辨代碼(如適用的話)	*各項機動設備的說明*	*數目*
CNP 103	發電機，超低噪音型在7米距離時70分貝(A)	壹
CNP 262	絞車(電動)	壹

   b. 可使用機動設備的建築噪音許可證有效期：

   生效日期及時間：二零零二年十月二十八日 晚上十一時正

   日期及時間：任何一天晚上十一時正至翌日早上七時正

   此部分許可證屆滿日期及時間：二零零三年一月二十七日 早上七時正
   日期 時間

   c. 建築地盤須備有本建築許可證所述每件機動設備的照片各一幀，供監督隨時查看；該等照片須經監督認可。

   d. 規限使用機動設備的其他條件：

   參照附頁。

建築噪音許可證
編號GW-TN0427-2002的附頁（共二頁）

3d. 規限使用機動設備的其他條件 ：

i. 發電機，超低噪音型在7米距離時70分貝(A)(CNP 103)祇可在隔音罩內操作。該隔音罩必須由四件則板障及一件上板障所組成及必須以不少於50毫米厚的木板或1毫米厚的鐵板外皮造成。

ii. 絞車(電動)(CNP 262)祇可在隔音罩內操作。該隔音罩必須由四件則板障所組成及必須以不少於50毫米厚的木板或1毫米厚的鐵板外皮造成。

iii. 在任何時間內展示兩頁載有本建築噪音許可證內「主要資料」之A3尺寸告示的彩色副本於本建築噪音許可證旁。

iv. 本許可證持有人須確保竭力從速完成該等建築工程，並小心防範會引起的噪音干擾。

v. 按照管制建築工程噪音(撞擊式打樁除外)技術備忘錄所訂明的程序，在任何一個鄰近噪音感應強的地方所量度到由上述建築地盤所產生的最高噪音聲級，不可超過55分貝(A)。

vi. 地盤通訊必須使用手提電話或連耳筒對講機，不可使用哨子、號角及擴音器，不准喧嘩。

ENVIRONMENTAL PROTECTION DEPARTMENT 環境保護署 HONG KONG

司徒永國

簽署：_____
監督
（司徒永國代行）

Sheet 1 of 1

Sheet Attached to Construction
Noise Permit No. GW-TN0427-2002

3d. Other conditions imposed on the use of the powered mechanical equipment :

i. The generator, super silenced, 70 dB(A) at 7m (CNP 103) shall only be operated inside an acoustic enclosure . The acoustic enclosure shall be composed of four side-panels and one top-panel. The panels shall be made of minimum 10mm thick plywood or 1mm thick steel outer skin and minimum 50mm thick sound absorbing lining.

ii. Winch (electric) (CNP 262) shall only be operated inside an acoustic enclosure . The acoustic enclosure shall be composed of four side-panels. The panels shall be made of minimum 10mm thick plywood or 1mm thick steel outer skin and minimum 50mm thick sound absorbing lining.

iii. Colour copies of two pages of A3 size notice showing "Key Information" of this Construction Noise Permit shall be displayed at all times next to copies of this Construction Noise Permit.

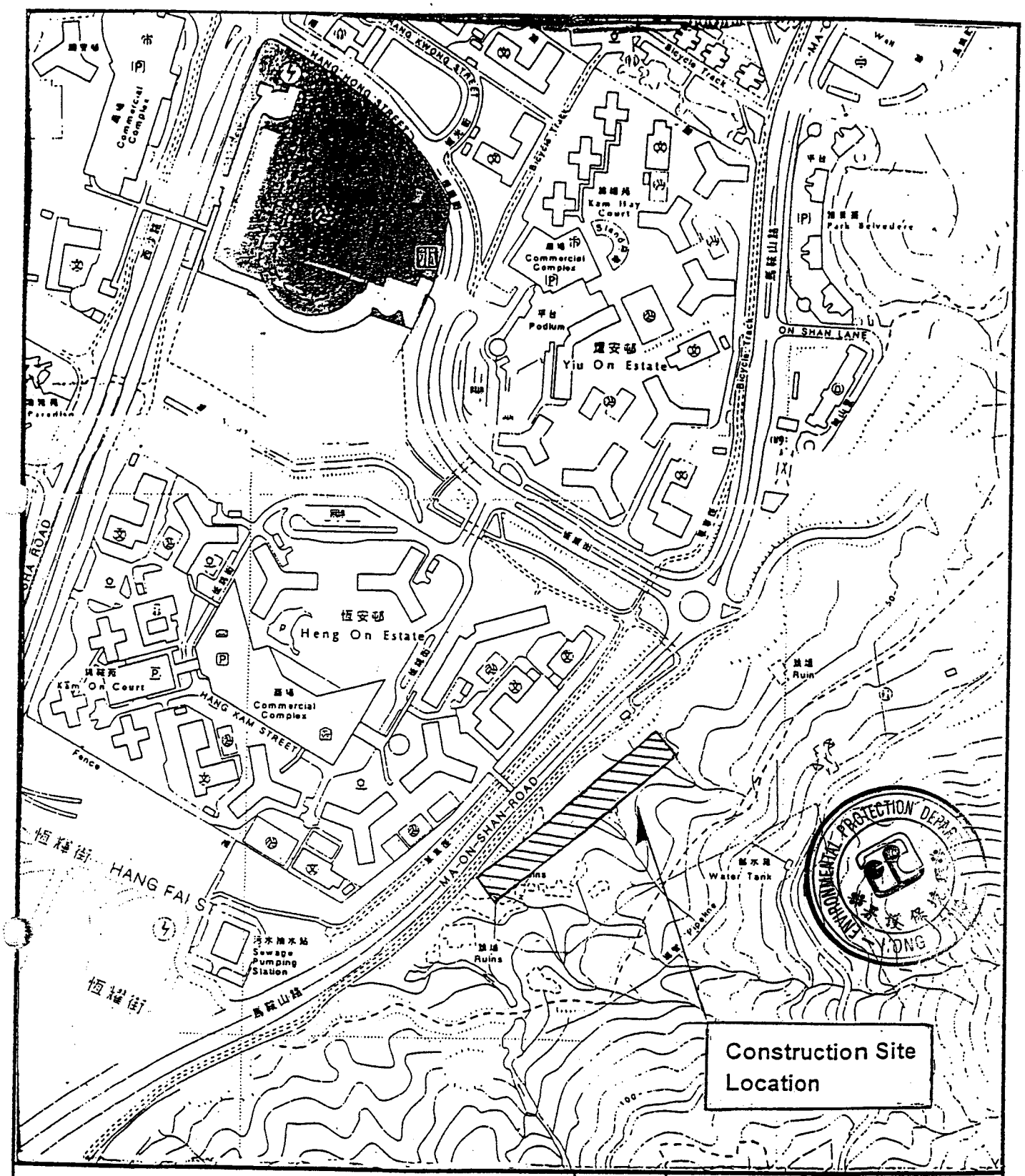
iv. All care shall be taken to ensure that the construction work is carried out as quickly as possible with due regard for the potential noise intrusion which may result.

v. The maximum noise level generated from the above construction site measured in accordance with procedures stipulated in Technical Memoradum on Noise from construction work other than Percussive Piling at any nearby noise sensitive receiver shall not exceed 55dB(A).

vi. Portable phones or walkie talkies with headphones shall be used for site communication. No whistles, horns and loudspeakers shall be used. No shouting shall be allowed .

ENVIRONMENTAL PROTECTION DEPARTMENT 環境保護署 HONG KONG

Signed : _____
(SZETO Wing-kwok)
for Authority



ENVIRONMENTAL PROTECTION DEPARTMENT 環境保護署	Scale 比例 1:5,000	Legend 圖例 Construction Site 建築地盤

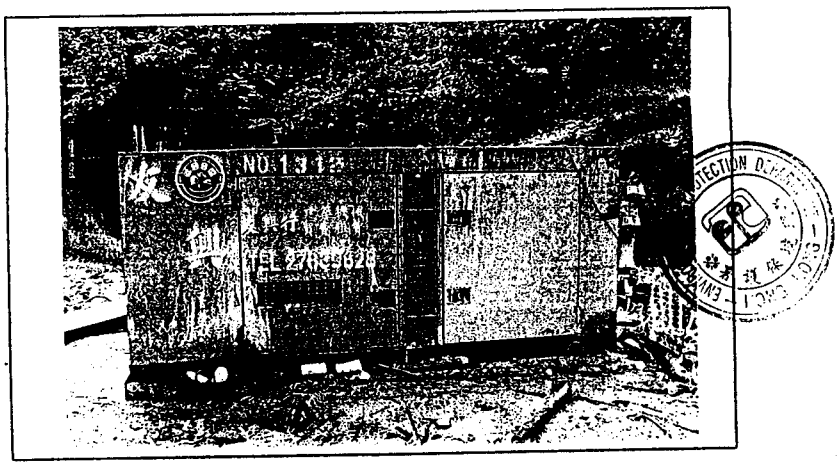
Plan attached to Construction Noise Permit No. GW-TN0427-2002

建築噪音許可證編號 GW-TN0427-2002 的附圖

主要資料 Key Information

建築噪音許可證編號: **Construction Noise Permit No.:**	**GW-TN0428-2002**
許可證持有人:	中國港灣建設(集團)總公司
地點:	新界馬鞍山 T7 公路近錦英苑
有效期:	2002 年 10 月 31 日至 2003 年 4 月 30 日
生效時間:	星期一至六(假日除外) 晚上 7 時正至翌日早上 7 時正 一般假日 早上 7 時正至翌日早上 7 時正
Permit Holder:	**China Harbour Engineering Company (Group)**
Location:	**Construction of Road T7 in Ma On Shan near Kam Ying Court, N.T.**
Validity Period:	**31 October 2002 to 30 April 2003**
Permitted Hours:	**Mon.-Sat.** (except holiday) **7:00pm to 07:00am on next day** **General Holidays 7:00am to 07:00am on next day**

准許
Permit



壹部 發電機，超低噪音型在 7 米距離時 70 分貝(A)
One Generator, super silenced, 70 dB(A) at 7 m

主要資料 Key Information

其他

如欲了解其他獲准使用的機動設備或限制條件，請參閱建築噪音許可證 **GW-TN0427-2002**。

投訴或查詢

如需即時協助請致電馬鞍山分區警署，電話 **2640-0109**。

如有需要，請於辦公時間內致電 **環境保護署** 要求跟進，電話 **2838-3111**。

*在星期一至六(假日除外)的上午 7 時至下午 7 時所進行的建築工程不受噪音管制條例管制。

Others

Please refer to the Construction Noise Permit GW-TN0427-2002 for other permitted powered mechanical equipment or conditions.

Complaint or Enquiry

Please call **Ma On Shan Division Police Station** at **2640-0109** for **immediate assistance.**

Please call **Environmental Protection Department** during office hours at **2838-3111** for follow-up action, if necessary.

Construction work conducted between 7am – 7pm from Mon. to Sat. (except public holidays) is not controlled under the Noise Control Ordinance.

ENVIRONMENTAL PROTECTION DEPARTMENT HONG KONG 環境保護署

本署檔號
OUR REF: ( ) in EP531/N01/TN0458-2002
來函檔號
YOUR REF:
電　話
TEL. NO.: 2158 5820
圖文傳真
FAX NO.: 2685 1133
電子郵件
E-MAIL:
網　址
Homepage: http://www.info.gov.hk/epd/

Environmental Protection Department
Local Control Office/Territory North
10/F, Sha Tin Government Offices,
1 Sheung Wo Che Road,
Sha Tin, New Territories,
Hong Kong.

環境保護署
污染管制辦事處
(新界北)
香港新界沙田
上禾輋路一號
沙田政府合署 10 樓

Registered Post

19 November 2002

To: China Harbour Engineering Company (Group)
No. 9, Lok Wo Sha Lane,
Ma On Shan, N.T.

Dear Sir,

Notice of Issue of Construction Noise Permit Pursuant to Section 8(6) of the Noise Control Ordinance (Cap. 400)

I write to inform you that, under section 8(6) of the Noise Control Ordinance, the Authority has decided to issue a construction noise permit in respect of your application, which was received by the Authority on 24 October 2002 , **for the use of powered mechanical equipment for carrying out construction work** at **Trunk Road T7 at Footbridge near Heng On Estate, Ma On Shan, N.T.**

The construction noise permit No. **GW-TN0458-2002** is enclosed.

You are advised to read the conditions of the permit carefully and to ensure compliance with these conditions. Any breaching of the conditions may lead to cancellation of the permit, subsequent prosecution action and the Authority's refusal to issue further permit for the above construction site.

Yours faithfully,

(SZETO Wing-Kwok)
for Authority

FORM 3 [reg.5(a)]
NOISE CONTROL ORDINANCE
(Chapter 400)
SECTION 8(9)

CONSTRUCTION NOISE PERMIT FOR THE USE OF POWERED MECHANICAL EQUIPMENT FOR THE PURPOSE OF CARRYING OUT CONSTRUCTION WORK OTHER THAN PERCUSSIVE PILING AND/OR THE CARRYING OUT OF PRESCRIBED CONSTRUCTION WORK

CONSTRUCTION NOISE PERMIT NO. GW-TN0458-2002

To : **China Harbour Engineering Company (Group)**

This construction noise permit is issued in accordance with section 8 of the Noise Control Ordinance. Permission is granted for the use of powered mechanical equipment for the purpose of carrying out construction work other than percussive piling and/or the carrying out of prescribed construction work, subject to the conditions set out below. The carrying out of construction work otherwise than in accordance with the conditions may result in the permit being cancelled and in a prosecution for an offence.

CONDITIONS

1. Construction site where the powered mechanical equipment and/or prescribed construction work may be employed :
Full address : **Trunk Road T7 at Footbridge near Heng On Estate, Ma On Shan, N.T.**
Lot No.: ---
The site boundary, that is, the boundary of the area within which the powered mechanical equipment may be used and the prescribed construction work may be carried out is delineated on the attached plan which forms part of this construction noise permit.

2. ~~*PART~~/WHOLE of the site falls ~~*WITHIN~~/OUTSIDE a designated area.

3. Powered Mechanical Equipment

a. Items of powered mechanical equipment which may be used inside the site boundary :

Identification code of item of powered mechanical equipment (if applicable)	*Description of item of powered mechanical equipment*	*No. of units*
	Refer to attached sheet	

b. Validity of the construction noise permit for the use of the powered mechanical equipment :
Date and time of commencement : **20 November 2002** **19:00 hours**
Days and hours : **General holiday including Sunday between 07:00 and 23:00 hours and any day not being a general holiday including Sunday between 19:00 and 23:00 hours**
This part of the permit expires on : **18 May 2003** at **23:00 hours**

c. One photograph, endorsed by the Authority, of each item of powered mechanical equipment described in this construction noise permit is required to be kept on the construction site and made available for inspection by the Authority.

d. Other conditions imposed on the use of the powered mechanical equipment :
Refer to attached sheet.

4. Prescribed Construction Work

a. Type of prescribed construction work which may be carried out inside the site boundary :

Identification code of type of prescribed construction work	*Description of type of prescribed construction work*
	Nil

b. Validity of the construction noise permit for the carrying out of the prescribed construction work :

Date and time of commencement : **Not applicable**

Days and hours : **Not applicable**

This part of the permit expires on : **Not applicable** at **Not applicable**

c. Site layout plan(s), endorsed by the Authority, may be attached with the permit to indicate the locations permitted for the carrying out of prescribed construction work described in this permit. The layout plan(s) is(are) required to be kept on the construction site and made available for inspection by the Authority.

d. Other conditions imposed on the carrying out of the prescribed construction work :

Not applicable

5. This construction noise permit or a copy thereof must be displayed on the construction site at **all vehicular site entrances and exits for public information at all times when the powered mechanical equipment covered by this permit are being used for carrying out construction work .**

Dated this **19 th** day of **November 2002**

Signed : **(SZETO Wing-kwok)**

for *Authority*

* Delete as necessary

表格 3
噪音管制條例
(第400章)
第8(9)條

[第5(a)條]

建築噪音許可證
爲進行建築工程(撞擊式打樁除外)而使用機動設備及/或進行訂明建築工程

建築噪音許可證編號：GW-TN0458-2002

致：中國港灣建設(集團)總公司

本建築噪音許可證是按照《噪音管制條例》第8條的規定而發出的。現准予使用機動設備以進行撞擊式打樁工程以外的建築工程及/或進行訂明建築工程，但須受以下條件規限。若不按照該等條件進行建築工程，許可證可遭撤銷，而且會受到檢控。

條 件

1. 可使用機動設備及/或進行訂明建築工程的建築地盤：

詳細地址：新界馬鞍山T7公路近恒安邨之行人天橋

地段編號：-----

地盤範圍(即可使用機動設備及進行訂明建築工程的地方範圍)已描劃於夾附的圖則上，而該圖則是本建築噪音許可證的一部分。

2. 該地盤~~部分~~/全部*位於指定範圍之~~內~~/外*。

3. 機動設備

a. 在地盤範圍內可使用的各項機動設備：

各項機動設備的識辨代碼(如適用的話)	*各項機動設備的說明*	*數目*
	參照附頁	

b. 可使用機動設備的建築噪音許可證有效期：

生效日期及時間：二零零二年十一月二十日 晚上七時正

日期及時間：一般假期包括星期日早上七時正至晚上十一時正及一般假期包括星期日以外的任何一天晚上七時正至晚上十一時正

此部分許可證屆滿日期及時間：二零零三年五月十八日 晚上十一時正
日期 時間

c. 建築地盤須備有本建築許可證所述每件機動設備的照片各一幀，供監督隨時查看；該等照片須經監督認可。

d. 規限使用機動設備的其他條件：

參照附頁。

4. 訂明建築工程

a. 在地盤範圍內可進行的訂明建築工程：

訂明建築工程的識辨代碼	*訂明建築工程的類別的說明*
	無

b. 可進行訂明建築工程的建築噪音許可證有效期：

生效日期及時間：不適用

日期及時間：不適用

此部分許可證屆滿日期及時間：不適用（日期） 不適用（時間）

c. 本許可證可夾附經監督認可的地盤圖則，以顯示本許可證准予進行訂明建築工程的地點。該地盤圖則須存放於建築地盤供監督隨時查看。

d. 規限進行訂明建築工程的其他條件：

不適用

本建築噪音許可證或其副本必須展示於建築地盤的所有車輛進出口處，以便在使用此證內載列的機動設備進行建築工程的任何時候，給予公眾人仕參閱。

日期：2002 年 11 月 19 日

司徒永國

簽署：

監督
(司徒永國代行)

*刪去不適用者

Sheet Attached to Construction
Noise Permit No. GW-TN0458-2002

3a. Items of powered mechanical equipment which may be used inside the site boundary:

Identification code of item of powered mechanical equipment (if applicable)		*Description of item of Powered mechanical equipment*	*No. of units*
Group A :	CNP 021	Bar bender and cutter (electric)	One
	CNP 103	Generator, super silenced, 70 dB(A) at 7 m	One
	CNP 281	Water pump (electric)	One
	-------	Water jetting unit (electric)	One
	-------	Welding machine	One
	-------	Lorry with crane	One
Group B :	CNP 044	Concrete lorry mixer	One
	CNP 048	Crane, mobile (diesel)	One
	CNP 103	Generator, super silenced, 70 dB(A) at 7 m	One
	CNP 170	Poker, vibratory, hand-held	One
Group C :	CNP 103	Generator, super silenced, 70 dB(A) at 7 m	One
	CNP 201	Saw, circular, wood	One
Group D :	CNP 066	Dumper	One
	CNP 081	Excavator, tracked	One
Group E :	CNP 044	Concrete lorry mixer	One
	CNP 081	Excavator, tracked	One
	CNP 103	Generator, super silenced, 70 dB(A) at 7 m	One
	CNP 170	Poker, vibratory, hand-held	One

3d. Other conditions imposed on the use of the powered mechanical equipment :

i. Only one group of the above powered mechanical equipment shall be allowed to be operated at any time.

ii. All flaps and panels of the generator, super silenced, 70 dB(A) at 7m(CNP 103) shall be closed.

iii. Colour copies of two pages of A3 size notice showing "Key Information" of this Construction Noise Permit shall be displayed at all times next to copies of this Construction Noise Permit.

iv. The above powered mechanical equipment shall not be operated when any powered mechanical equipment covered by the CNP GW-TN0240-2002 is being operated.

v. All care shall be taken to ensure that the construction work is carried out as quickly as possible with due regard for the potential noise intrusion which may result.

ENVIRONMENTAL PROTECTION DEPARTMENT HONG KONG

Signed :

(SZETO Wing-kwok)
for Authority

建築噪音許可證
編號GW-TN0458-2002的附頁（共二頁）

3a. 在地盤範圍內可使用的各項機動設備：

各項機動設備的識辨代碼(如適用的話)		各項機動設備的說明	數目
A 組：	CNP 021	鋼筋彎曲機及切割機（電機）	壹
	CNP 103	發電機，超低噪音型在7米距離時70分貝(A)	壹
	CNP 281	水泵（電動）	壹
	------	噴水機（電動）	壹
	------	焊接機	壹
	------	吊臂貨車	壹
B 組：	CNP 044	混凝土攪拌車	壹
	CNP 048	起重機，流動（油渣）	壹
	CNP 103	發電機，超低噪音型在7米距離時70分貝(A)	壹
	CNP 170	混凝土震動機，手提	壹
C 組：	CNP 103	發電機，超低噪音型在7米距離時70分貝(A)	壹
	CNP 201	圓型木鋸	壹
D 組：	CNP 066	卸土機	壹
	CNP 081	挖土機，履帶式	壹
E 組：	CNP 044	混凝土攪拌車	壹
	CNP 081	挖土機，履帶式	壹
	CNP 103	發電機，超低噪音型在7米距離時70分貝(A)	壹
	CNP 170	混凝土震動機，手提	壹

3d. 規限使用機動設備的其他條件：

i. 在任何時間內，祇可使用一組上述的機動設備。

ii. 發電機，超低噪音型在7米距離時70分貝(A)(CNP 103)的所有覆蓋及嵌板必須關閉。

iii. 在任何時間內展示兩頁載有本建築噪音許可證內「主要資料」之A3尺寸告示的彩色副本於本建築噪音許可證旁。

iv. 當使用許可證編號GW-TN0240-2002的機動設備時，不可使用此許可證內載的機動設備。

v. 本許可證持有人須確保竭力從速完成該等建築工程，並小心防範會引起的噪音干擾。

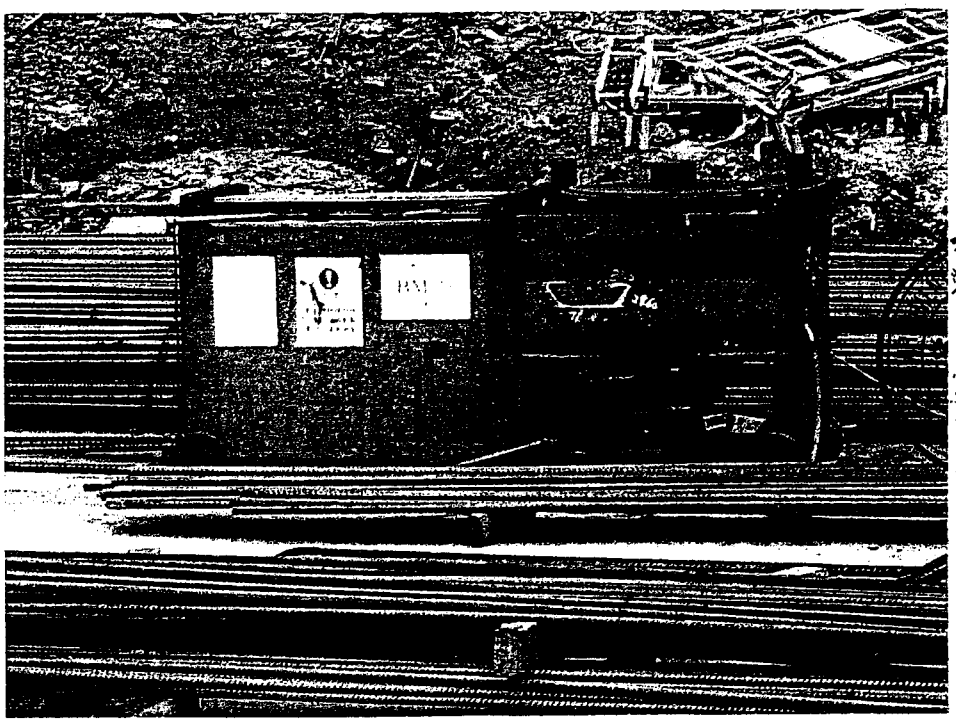
ENVIRONMENTAL PROTE...

簽署：_____
監督
（司徒永國代行）

Photographs attached to Construction

Noise Permit No. GW-TN0458-2002

Generator, super silenced, 70 dB(A) at 7 m



Bar bender and cutter (electric)

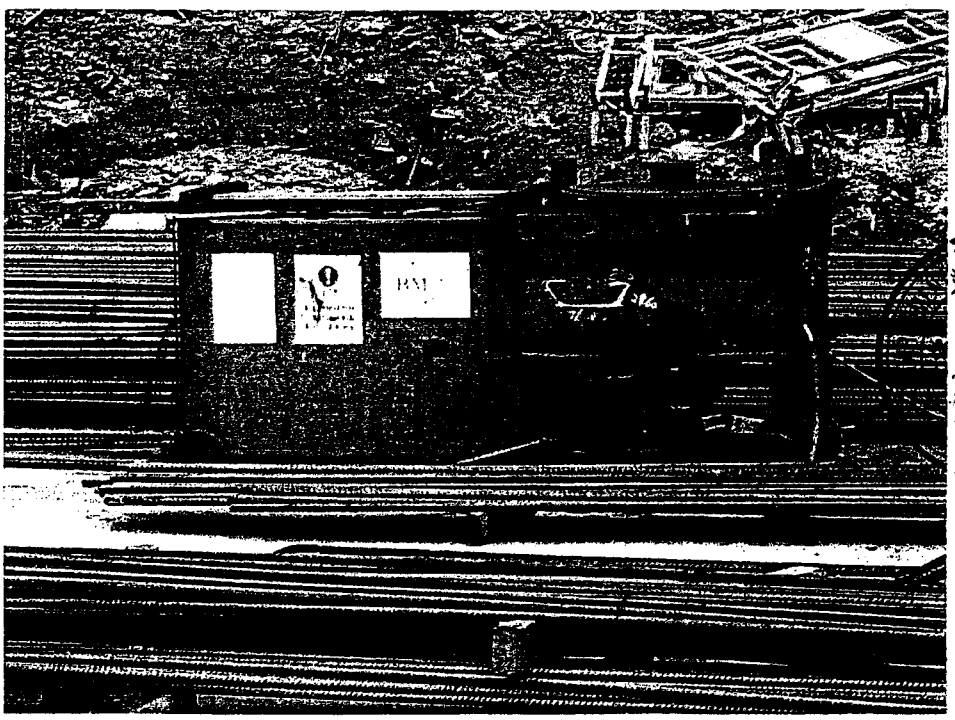
Signed: _____

(SZETO Wing-kwok)
for Authority

Photographs attached to Construction

Noise Permit No. GW-TN0458-2002

Generator, super silenced, 70 dB(A) at 7 m

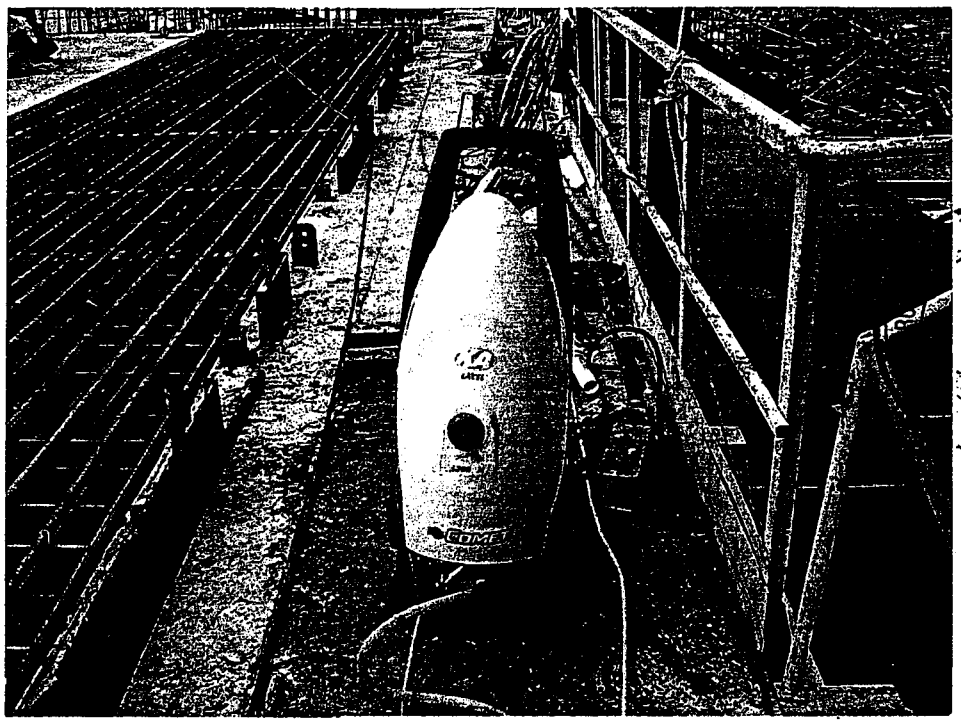


Bar bender and cutter (electric)

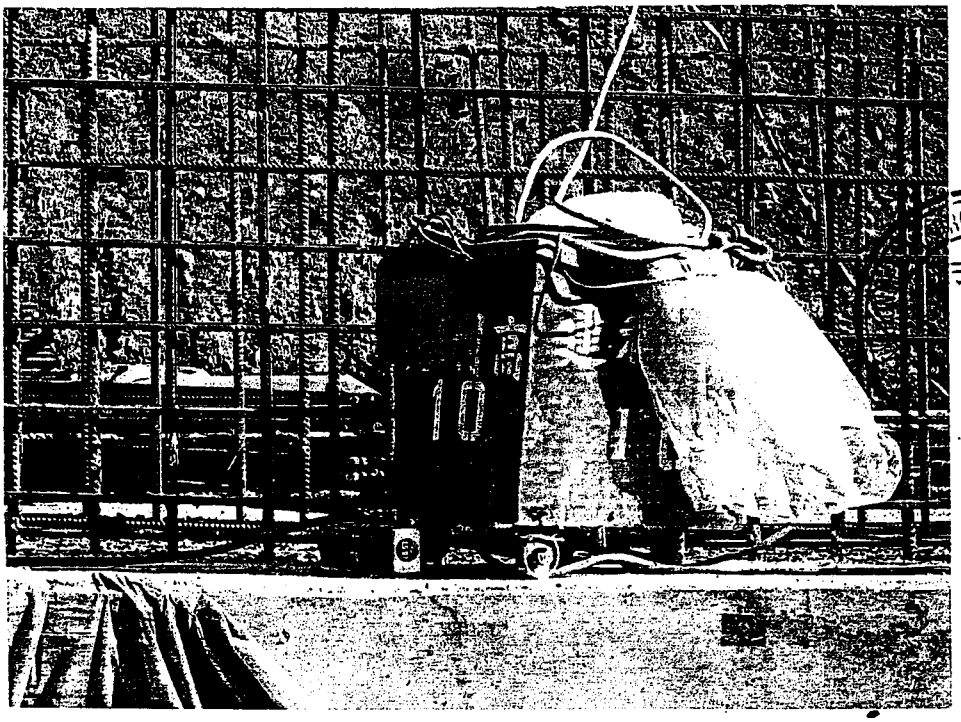
Signed: _____

(SZETO Wing-kwok)
for Authority

Photographs attached to Construction
Noise Permit No. GW-TN0458-2002



Water jetting unit (electric)

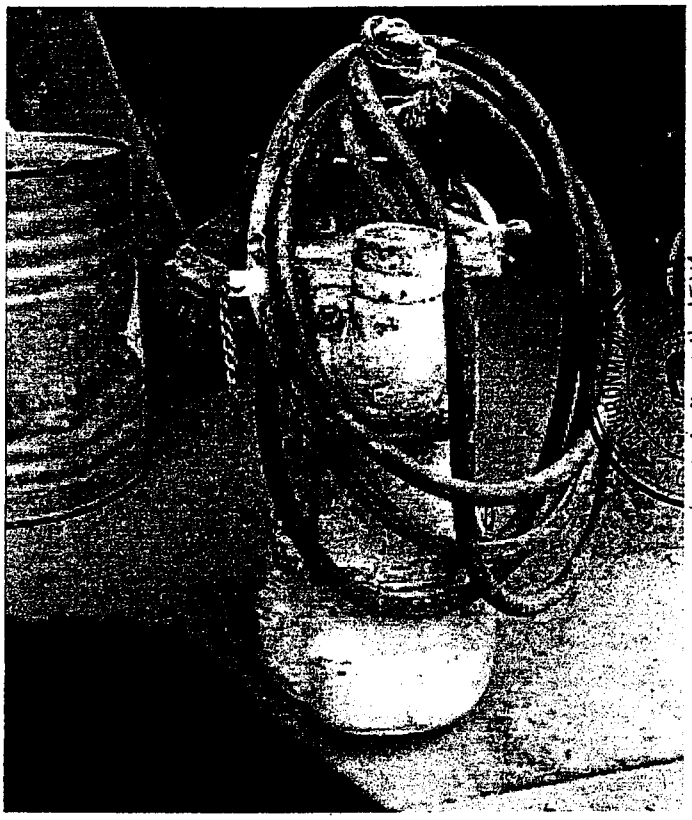


Welding machine

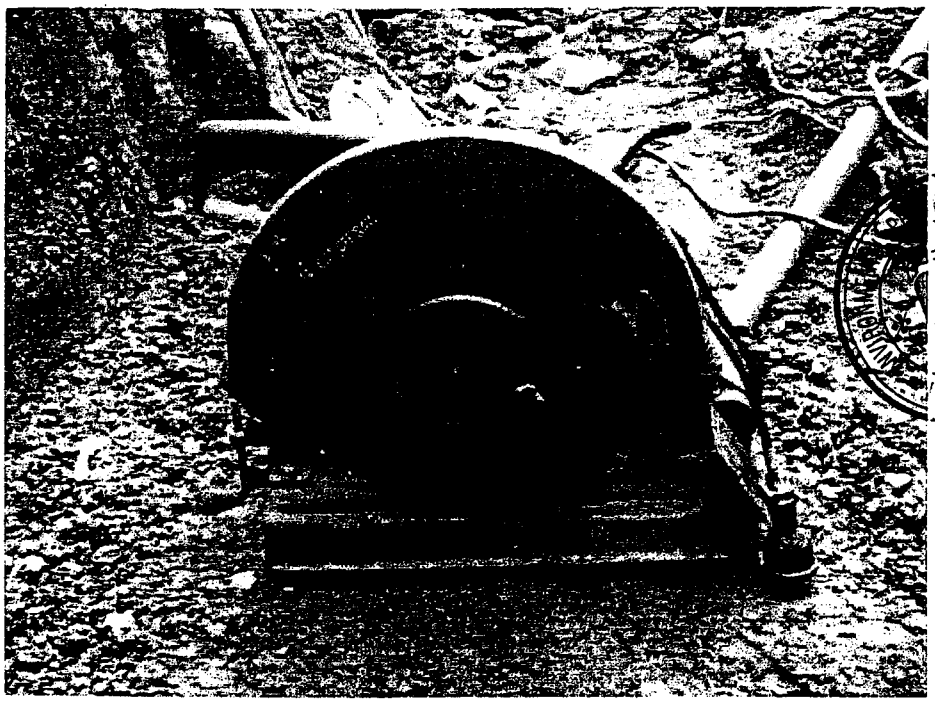
Signed: _____
(SZETO Wing-kwok)
for Authority

Photographs attached to Construction

Noise Permit No. GW-TN0458-2002



Water pump (electric)



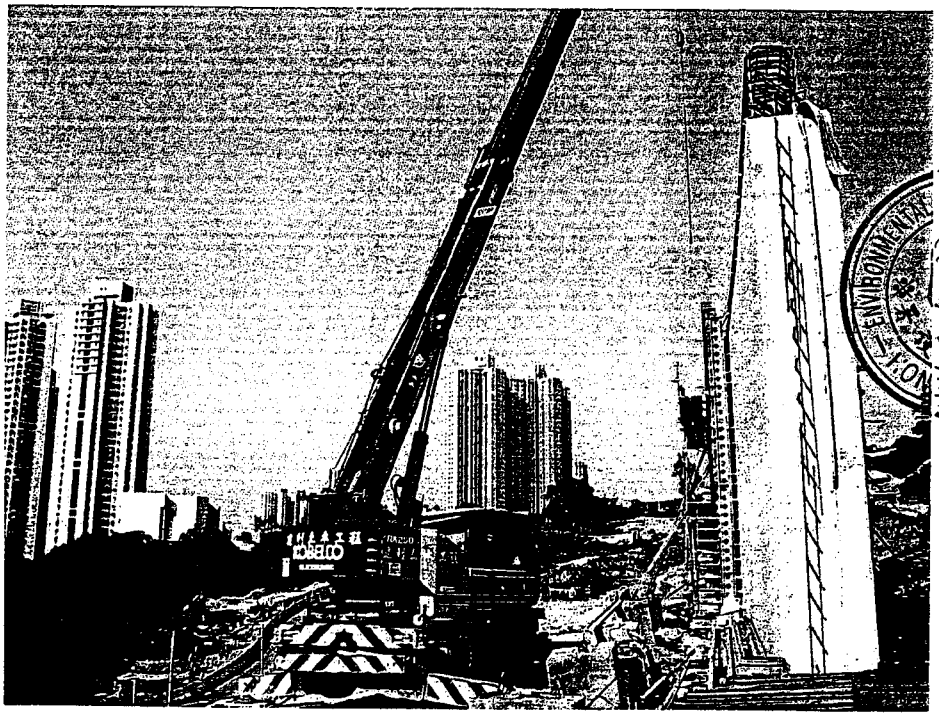
Saw, circular, wood

Signed: _____

(SZETO Wing-kwok)
for Authority

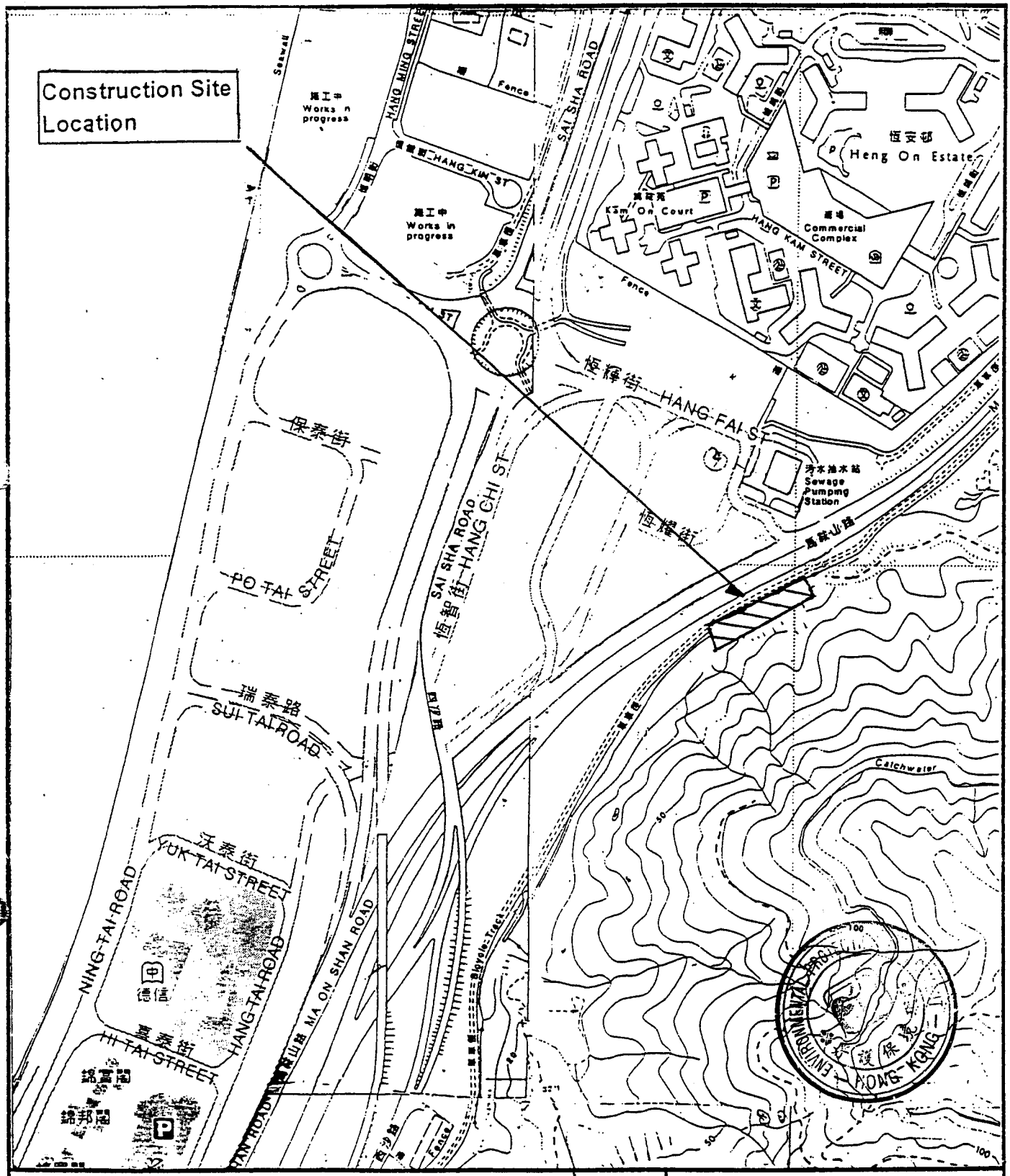
Photographs attached to Construction
Noise Permit No. GW-TN0458-2002

Dumper



Crane, mobile (diesel)

Signed: _____
(SZETO Wing-kwok)
for Authority



ENVIRONMENTAL PROTECTION DEPARTMENT
環境保護署

Scale
比例
1:5,000

Legend 圖例
Construction Site
建築地盤

Plan attached to Construction Noise Permit No. GW-TN0458-2002
建築噪音許可證編號 GW-TN0458-2002 的附圖

主要資料 Key Information

其他

如欲了解其他獲准使用的機動設備或限制條件，請參閱建築噪音許可證 **GW-TN0458-2002**。

投訴或查詢

如需即時協助請致電馬鞍山分區警署，電話 **2640-0109**。

如有需要，請於辦公時間內致電 **環境保護署** 要求跟進，電話 **2838-3111**。

*在星期一至六(假日除外)的上午 7 時至下午 7 時所進行的建築工程不受噪音管制條例管制。

Others

Please refer to the Construction Noise Permit GW-TN0458-2002 for other permitted powered mechanical equipment or conditions.

Complaint or Enquiry

Please call **Ma On Shan Division Police Station** at **2640-0109** for **immediate assistance.**

Please call **Environmental Protection Department** during office hours at **2838-3111** for follow-up action, if necessary.

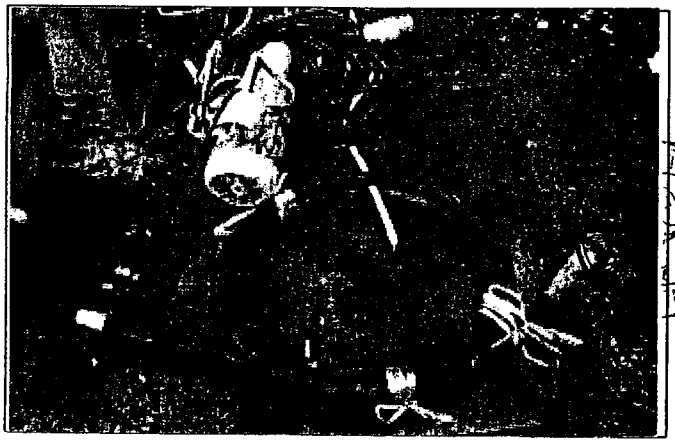
Construction work conducted between 7am – 7pm from Mon. to Sat. (except public holidays) is not controlled under the Noise Control Ordinance.

主要資料 Key Information

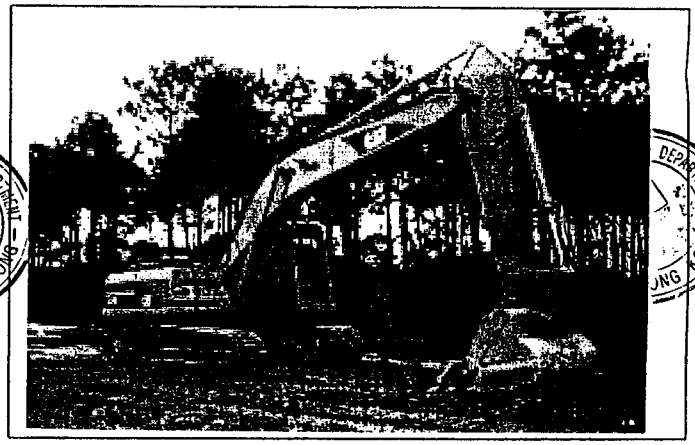
建築噪音許可證編號:
Construction Noise Permit No.: GW-TN-0458-2002

許可證持有人:	中國港灣建設(集團)總公司
地點:	新界馬鞍山T7公路近恒安邨之行人天橋
有效期:	2002 年 11 月 20 至 2003 年 5 月 18 日
生效時間:	星期一至六(假日除外) 晚上 7 時正至晚上 11 時正 一般假日 早上 7 時正至晚上 11 時正
Permit Holder:	China Harbour Engineering Company (Group)
Location:	Trunk Road T7 at Footbridge near Heng On Estate, Ma On Shan, N.T.
Validity period:	20 November 2002 to 18 May 2003
Permitted Hours:	Mon.-Sat.(except holidays) 7:00pm to 11:00pm General holiday 7:00am to 11:00pm

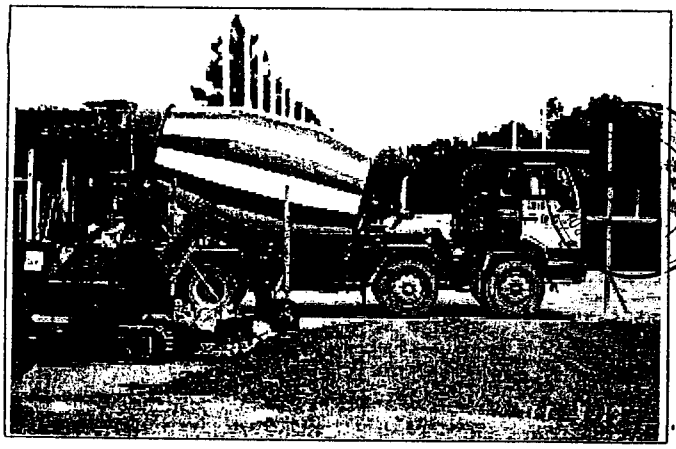
准許
Permit



壹部 混凝土震動機，手提
One Poker, vibratory, hand-held



壹部 挖土機，履帶式
One Excavator, tracked



壹部 混凝土攪拌車
One Concrete lorry mixer

壹部 吊臂貨車
One Lorry with crane

本署檔號
OUR REF: (4) in EP531/N01/TN0478-2002
來函檔號
YOUR REF:
電　話
TEL. NO.: 2158 5820
圖文傳真
FAX NO.: 2685 1133
電子郵件
E-MAIL:
網　址
Homepage: http://www.info.gov.hk/epd/

Environmental Protection Department
Local Control Office / Territory North
10/F, Sha Tin Government Offices,
No. 1 Sheung Wo Che Road,
Sha Tin, New Territories,
Hong Kong.

環境保護署
污染管制辦事處
(新界北)
香港新界沙田
上禾輋路一號
沙田政府合署 10 樓

Registered Post

29 November 2002

To: China Harbour Engineering Company (Group)
No. 9 Lok Wo Sha Lane,
Ma On Shan,
Shatin, N.T.

Dear Sir,

Notice of Issue of Construction Noise Permit Pursuant to Section 8(6) of the Noise Control Ordinance (Cap. 400)

I write to inform you that, under section 8(6) of the Noise Control Ordinance, the Authority has decided to issue a construction noise permit in respect of your application, which was received by the Authority on 12 November 2002, **for the use of powered mechanical equipment for carrying out construction work at Construction of Road T7 in Ma On Shan near Kam Ying Court, N.T.**

The construction noise permit No. **GW-TN0478-2002** is enclosed.

You are advised to read the conditions of the permit carefully and to ensure compliance with these conditions. Any breaching of the conditions may lead to cancellation of the permit, subsequent prosecution action and the Authority's refusal to issue further permit for the above construction site.

Yours faithfully,

(SZETO Wing-Kwok)
for Authority

FORM 3 [reg.5(a)]
NOISE CONTROL ORDINANCE
(Chapter 400)
SECTION 8(9)

CONSTRUCTION NOISE PERMIT FOR THE USE OF POWERED MECHANICAL EQUIPMENT FOR THE PURPOSE OF CARRYING OUT CONSTRUCTION WORK OTHER THAN PERCUSSIVE PILING AND/OR THE CARRYING OUT OF PRESCRIBED CONSTRUCTION WORK

CONSTRUCTION NOISE PERMIT NO. GW-TN0478-2002

To : **China Harbour Engineering Company (Group)**

This construction noise permit is issued in accordance with section 8 of the Noise Control Ordinance. Permission is granted for the use of powered mechanical equipment for the purpose of carrying out construction work other than percussive piling and/or the carrying out of prescribed construction work, subject to the conditions set out below. The carrying out of construction work otherwise than in accordance with the conditions may result in the permit being cancelled and in a prosecution for an offence.

CONDITIONS

1. Construction site where the powered mechanical equipment and/or prescribed construction work may be employed :
   Full address : **Construction of Road T7 in Ma On Shan near Kam Ying Court , N.T.**
   ..... Lot No.: ---
   The site boundary, that is, the boundary of the area within which the powered mechanical equipment may be used and the prescribed construction work may be carried out is delineated on the attached plan which forms part of this construction noise permit.

2. *PART/~~WHOLE~~ of the site falls *WITHIN/~~OUTSIDE~~ a designated area.

3. Powered Mechanical Equipment

   a. Items of powered mechanical equipment which may be used inside the site boundary :

Identification code of item of powered mechanical equipment (if applicable)	*Description of item of powered mechanical equipment*	*No. of units*
CNP 103	**Generator, super silenced, 70 dB(A) at 7m**	**One**
CNP 262	**Winch (electric)**	**One**

   b. Validity of the construction noise permit for the use of the powered mechanical equipment :
      Date and time of commencement : **15 December 2002** **07:00 hours**
      Days and hours : **General holiday including Sunday between 07:00 and 23:00 hours and any day not being a general holiday including Sunday between 19:00 and 23:00 hours.**
      This part of the permit expires on : **14 June 2003** at **23:00 hours**

   c. One photograph, endorsed by the Authority, of each item of powered mechanical equipment described in this construction noise permit is required to be kept on the construction site and made available for inspection by the Authority.

   d. Other conditions imposed on the use of the powered mechanical equipment :
      Refer to attached sheet.

4. Prescribed Construction Work

a. Type of prescribed construction work which may be carried out inside the site boundary :

Identification code of type of prescribed construction work	*Description of type of prescribed construction work*
	Nil

b. Validity of the construction noise permit for the carrying out of the prescribed construction work :

Date and time of commencement : **Not applicable**

Days and hours : **Not applicable**

This part of the permit expires on : **Not applicable** at **Not applicable**

c. Site layout plan(s), endorsed by the Authority, may be attached with the permit to indicate the locations permitted for the carrying out of prescribed construction work described in this permit. The layout plan(s) is(are) required to be kept on the construction site and made available for inspection by the Authority.

d. Other conditions imposed on the carrying out of the prescribed construction work :

Not applicable

This construction noise permit or a copy thereof must be displayed on the construction site at **all vehicular site entrances and exits for public information at all times when the powered mechanical equipment covered by this permit are being used for carrying out construction work .**

Dated this **29 th** day of **November 2002**

Signed : **(SZETO Wing-kwok)**

for *Authority*

* Delete as necessary

表格 3 [第5(a)條]

噪音管制條例

(第400章)

第8(9)條

建築噪音許可證
爲進行建築工程(撞擊式打樁除外)而使用機動設備及/或進行訂明建築工程

建築噪音許可證編號：GW-TN0478-2002

致：中國港灣建設(集團)總公司

本建築噪音許可證是按照《噪音管制條例》第8條的規定而發出的。現准予使用機動設備以進行撞擊式打樁工程以外的建築工程及/或進行訂明建築工程，但須受以下條件規限。若不按照該等條件進行建築工程，許可證可遭撤銷，而且會受到檢控。

條 件

1. 可使用機動設備及/或進行訂明建築工程的建築地盤：

詳細地址：新界馬鞍山T7公路近錦英苑

地段編號：-----

地盤範圍(即可使用機動設備及進行訂明建築工程的地方範圍)已描劃於夾附的圖則上，而該圖則是本建築噪音許可證的一部分。

2. 該地盤部分/~~全部~~*位於指定範圍之內/~~外~~*。

3. 機動設備

a. 在地盤範圍內可使用的各項機動設備：

各項機動設備的識辨代碼(如適用的話)	*各項機動設備的說明*	*數目*
CNP 103	發電機，超低噪音型在7米距離時70分貝(A)	壹
CNP 262	絞車(電動)	壹

b. 可使用機動設備的建築噪音許可證有效期：

生效日期及時間：二零零二年十二月十五日 早上七時正

日期及時間：一般假期包括星期日早上七時正至晚上十一時正及一般假期包括星期日以外的任何一天晚上七時正至晚上十一時正

此部分許可證屆滿日期及時間：二零零三年六月十四日 晚上十一時正

日期 時間

c. 建築地盤須備有本建築許可證所述每件機動設備的照片各一幀，供監督隨時查看；該等照片須經監督認可。

d. 規限使用機動設備的其他條件：

參照附頁。

4. 訂明建築工程

a. 在地盤範圍內可進行的訂明建築工程：

訂明建築工程的識辨代碼	*訂明建築工程的類別的說明*
	無

b. 可進行訂明建築工程的建築噪音許可證有效期：

生效日期及時間：不適用

日期及時間：不適用

此部分許可證屆滿日期及時間：不適用（日期） 不適用（時間）

c. 本許可證可夾附經監督認可的地盤圖則，以顯示本許可證准予進行訂明建築工程的地點。該地盤圖則須存放於建築地盤供監督隨時查看。

d. 規限進行訂明建築工程的其他條件：

不適用

本建築噪音許可證或其副本必須展示於建築地盤的所有車輛進出口處，以便在使用此證內載列的機動設備進行建築工程的任何時候，給予公眾人仕參閱。

日期：2002 年 11 月 29 日

司徒永國

簽署：

監督
(司徒永國代行)

*刪去不適用者

建築噪音許可證
編號GW-TN0478-2002的附頁（共一頁）

3d. 規限使用機動設備的其他條件 ：

i. 發電機，超低噪音型在7米距離時70分貝(A)(CNP 103)祇可在隔音罩內操作。該隔音罩必須由四件則板障及一件上板障所組成及必須以不少於50毫米厚的木板或1毫米厚的鐵板外皮造成。

ii. 當使用許可證編號GW-TN0295-2002的機動設備時，不可使用此許可證內載的機動設備。

iii. 在任何時間內展示兩頁載有本建築噪音許可證內「主要資料」之A3尺寸告示的彩色副本於本建築噪音許可證旁。

iv. 本許可證持有人須確保竭力從速完成該等建築工程，並小心防範會引起的噪音干擾。

ENVIRONMENTAL PROTECTION DEPARTMENT 香港環境保護署 HONG KONG

簽署：_____
監督
（司徒永國代行）

Sheet 1 of 1

Sheet Attached to Construction
Noise Permit No. GW-TN0478-2002

3d. Other conditions imposed on the use of the powered mechanical equipment :

i. The generator, super silenced, 70 dB(A) at 7m (CNP 103) shall only be operated inside an acoustic enclosure . The acoustic enclosure shall be composed of four side-panels and one top-panel. The panels shall be made of minimum 10mm thick plywood or 1mm thick steel outer skin and minimum 50mm thick sound absorbing lining.

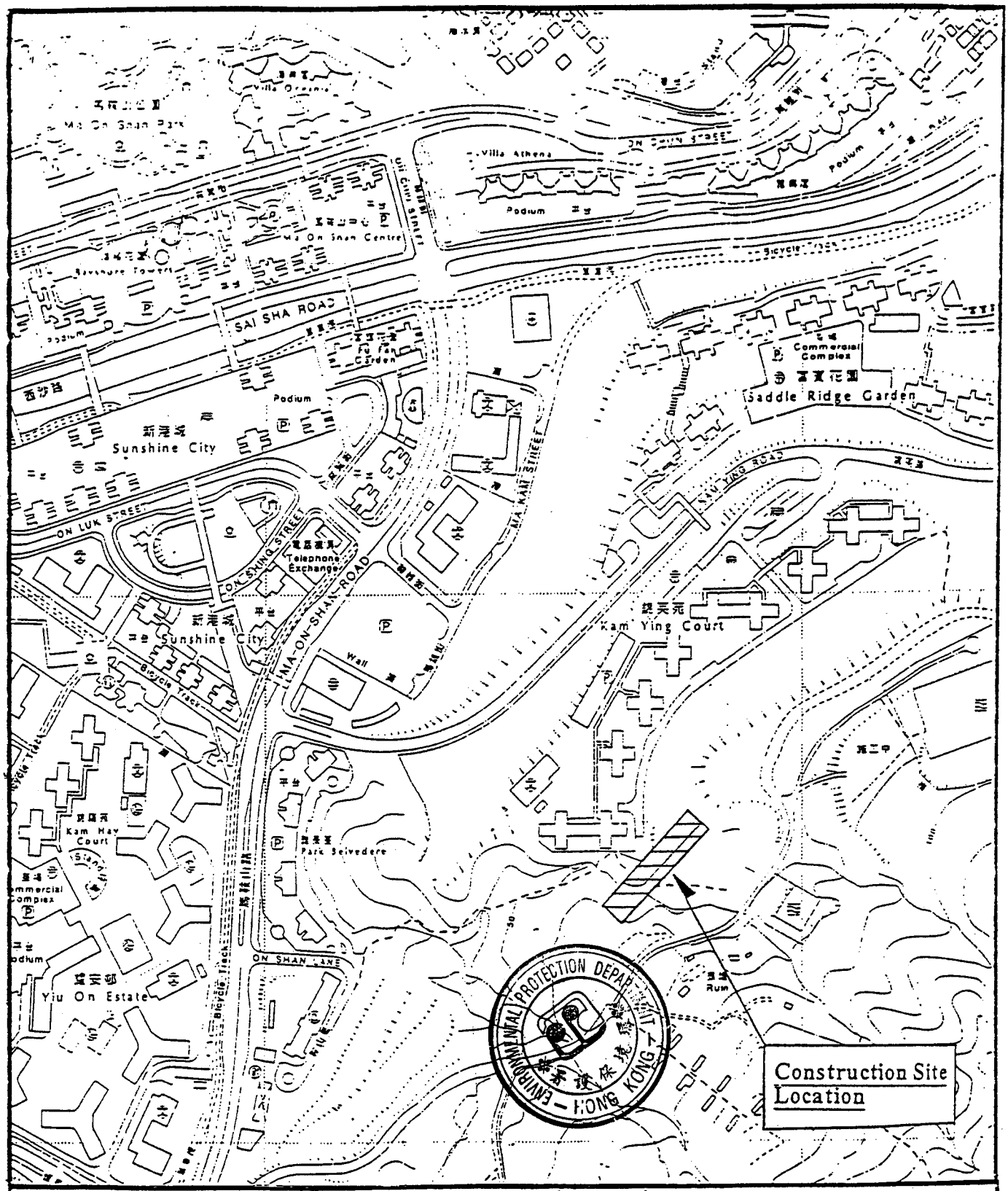
ii. The above powered mechanical equipment shall not be operated when any powered mechanical equipment covered by CNP No.: GW-TN0295-2002 is being operated.

iii. Colour copies of two pages of A3 size notice showing "Key Information" of this Construction Noise Permit shall be displayed at all times next to copies of this Construction Noise Permit.

iv. All care shall be taken to ensure that the construction work is carried out as quickly as possible with due regard for the potential noise intrusion which may result.

ENVIRONMENTAL PROTECTION DEPARTMENT 香港環境保護署 HONG KONG

Signed : _____
(SZETO Wing-kwok)
for Authority



ENVIRONMENTAL PROTECTION DEPARTMENT 環境保護署	Scale 比例 1 : 5,000	Legend 圖例 Construction site 建築地盤 Noise Control Designated Area 噪音管制指定範圍

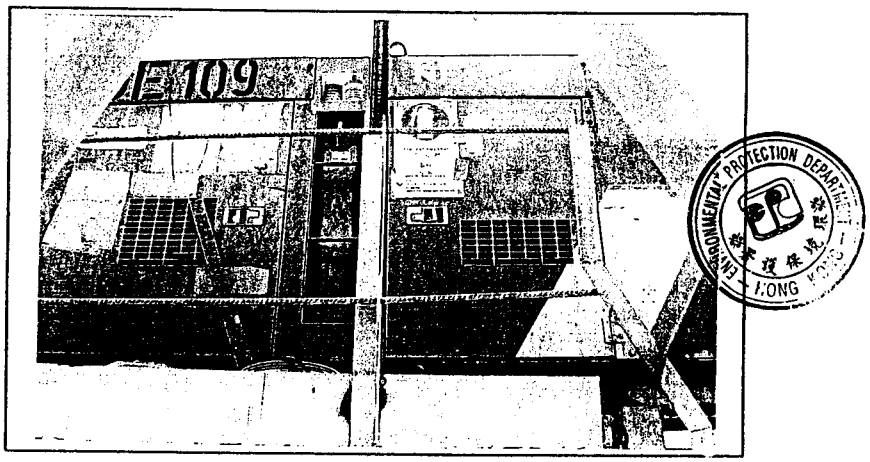
Plan attached to Construction Noise Permit No. GW-TN0478-2002

建築噪音許可證編號 GW-TN0478-2002 的附圖

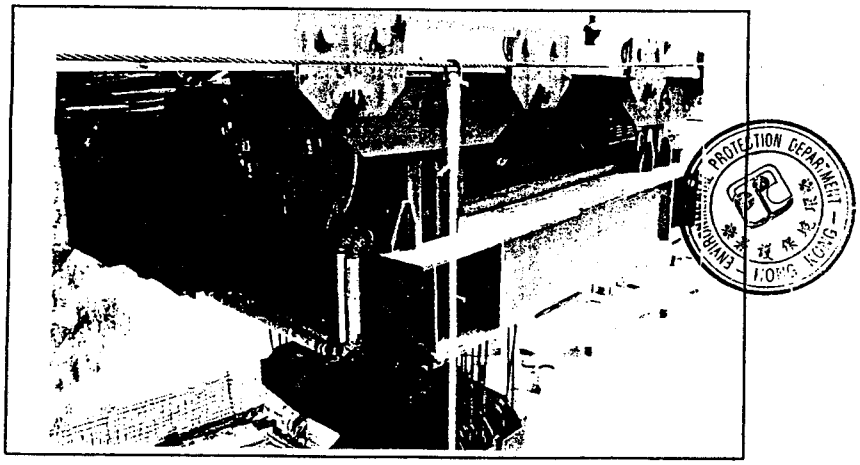
主要資料 Key Information

建築噪音許可證編號: **Construction Noise Permit No.:**	**GW-TN0478-2002**
許可證持有人:	中國港灣建設(集團)總公司
地點:	新界馬鞍山 T7 公路近錦英苑
有效期:	2002 年 12 月 15 日至 2003 年 6 月 14 日
生效時間:	星期一至六(假日除外) 晚上 7 時正至晚上 11 時正 一般假日 早上 7 時正至晚上 11 時正
Permit Holder:	**China Harbour Engineering Company (Group)**
Location:	**Construction of Road T7 in Ma On Shan near Kam Ying Court, N.T.**
Validity Period:	**15 December 2002 to 14 June 2003**
Permitted Hours:	**Mon.-Sat.** (except holiday) **7:00pm to 11:00pm** **General Holidays 7:00am to 11:00pm**

准許
Permit



壹部 發電機，超低噪音型在 7 米距離時 70 分貝(A)
One Generator, super silenced, 70 dB(A) at 7 m



壹部 絞車（電動）
One Winch (electric)

主要資料 Key Information

禁止在指定範圍內(見附圖)

進行模板或棚架的構築或拆卸，及

裝卸或處理木板、鋼條、木料或棚架材料，及

敲擊。

其他

如欲了解其他獲准使用的機動設備或限制條件，請參閱建築噪音許可證 **GW-TN0478-2002**。

投訴或查詢

如需即時協助請致電馬鞍山分區警署，電話 **2640-0109**。

如有需要，請於辦公時間內致電 **環境保護署** 要求跟進，電話 **2838-3111**。

*在星期一至六(假日除外)的上午 7 時至下午 7 時所進行的建築工程不受噪音管制條例管制。

Prohibit Inside Designated Area(see attach plan)

The Erection or Dismantling of Formwork or Scaffolding, and
The loading, unloading or handling of wooden boards, steel bar, wood or scaffolding material, and
Hammering

Others

Please refer to the Construction Noise Permit GW-TN0478-2002 for other permitted powered mechanical equipment or conditions.

Complaint or Enquiry

Please call **Ma On Shan Division** at **2640-0109** for **immediate assistance.**

Please call **Environmental Protection Department** during office hours at **2838-3111** for follow-up action, if necessary.

Construction work conducted between 7am – 7pm from Mon. to Sat. (except public holidays) is not controlled under the Noise Control Ordinance.

本署檔號
OUR REF: ( ) in EP531/N01/TN0485-2002
來函檔號
YOUR REF:
電　話
TEL. NO.: 2158 5820
圖文傳真
FAX NO.: 2685 1133
電子郵件
E-MAIL:
網　址
Homepage: http://www.info.gov.hk/epd/

Environmental Protection Department
Local Control Office/Territory North
10/F, Sha Tin Government Offices,
No. 1 Sheung Wo Che Road,
Sha Tin, New Territories,
Hong Kong.

環境保護署
污染管制辦事處
(新界北)
香港新界沙田
上禾輋路一號
沙田政府合署 10 樓

Registered Post

29 November 2002

To: China Harbour Engineering Company (Group)
No.9 Lok Wo Sha Lane,
Ma On Shan,
Sha Tin, N.T.

Dear Sir,

Notice of Issue of Construction Noise Permit Pursuant to Section 8(6) of the Noise Control Ordinance (Cap. 400)

I write to inform you that, under section 8(6) of the Noise Control Ordinance, the Authority has decided to issue a construction noise permit in respect of your application, which was received by the Authority on 15 November 2002, for the use of powered mechanical equipment **for carrying out construction work** at **Construction of Road T7 in Ma On Shan near Yiu On Estate, N.T.**

The construction noise permit No. **GW-TN0485-2002** is enclosed.

You are advised to read the conditions of the permit carefully and to ensure compliance with these conditions. Any breaching of the conditions may lead to cancellation of the permit, subsequent prosecution action and the Authority's refusal to issue further permit for the above construction site.

Yours faithfully,

(SZETO Wing - Kwok)
for Authority

FORM 3 [reg.5(a)]

NOISE CONTROL ORDINANCE

(Chapter 400)

SECTION 8(9)

CONSTRUCTION NOISE PERMIT FOR THE USE OF POWERED MECHANICAL EQUIPMENT FOR THE PURPOSE OF CARRYING OUT CONSTRUCTION WORK OTHER THAN PERCUSSIVE PILING AND/OR THE CARRYING OUT OF PRESCRIBED CONSTRUCTION WORK

CONSTRUCTION NOISE PERMIT NO. GW-TN0485-2002

To : **China Harbour Engineering Company (Group)**

This construction noise permit is issued in accordance with section 8 of the Noise Control Ordinance. Permission is granted for the use of powered mechanical equipment for the purpose of carrying out construction work other than percussive piling and/or the carrying out of prescribed construction work, subject to the conditions set out below. The carrying out of construction work otherwise than in accordance with the conditions may result in the permit being cancelled and in a prosecution for an offence.

CONDITIONS

1. Construction site where the powered mechanical equipment and/or prescribed construction work may be employed :

   Full address : **Construction of Road T7 in Ma On Shan near Yiu On Estate, N.T.**

   ..... Lot No.: ---

   The site boundary, that is, the boundary of the area within which the powered mechanical equipment may be used and the prescribed construction work may be carried out is delineated on the attached plan which forms part of this construction noise permit.

2. *~~PART~~/WHOLE of the site falls *~~WITHIN~~/OUTSIDE a designated area.

3. Powered Mechanical Equipment

   a. Items of powered mechanical equipment which may be used inside the site boundary :

Identification code of item of powered mechanical equipment (if applicable)	*Description of item of powered mechanical equipment*	*No. of units*
CNP 103	**Generator, super silenced, 70 dB(A) at 7m**	**One**
CNP 262	**Winch (electric)**	**One**
-------	**Lorry with crane**	**One**

   b. Validity of the construction noise permit for the use of the powered mechanical equipment :

      Date and time of commencement : **9 December 2002** **19:00 hours**

      Days and hours : **General holiday including Sunday between 07:00 and 23:00 hours and any day not being a general holiday including Sunday between 19:00 and 23:00 hours.**

      This part of the permit expires on : **8 February 2003** at **23:00 hours**

   c. One photograph, endorsed by the Authority, of each item of powered mechanical equipment described in this construction noise permit is required to be kept on the construction site and made available for inspection by the Authority.

   d. Other conditions imposed on the use of the powered mechanical equipment :

      Refer to attached sheet.

4. Prescribed Construction Work

a. Type of prescribed construction work which may be carried out inside the site boundary :

Identification code of type of prescribed construction work	*Description of type of prescribed construction work*
	Nil

b. Validity of the construction noise permit for the carrying out of the prescribed construction work :

Date and time of commencement : **Not applicable**

Days and hours : **Not applicable**

This part of the permit expires on : **Not applicable** at **Not applicable**

c. Site layout plan(s), endorsed by the Authority, may be attached with the permit to indicate the locations permitted for the carrying out of prescribed construction work described in this permit. The layout plan(s) is(are) required to be kept on the construction site and made available for inspection by the Authority.

d. Other conditions imposed on the carrying out of the prescribed construction work :

Not applicable

5. This construction noise permit or a copy thereof must be displayed on the construction site at **all vehicular site entrances and exits for public information at all times when the powered mechanical equipment covered by this permit are being used for carrying out construction work .**

Dated this **29 th** day of **November 2002**

Signed : **(SZETO Wing-kwok)**

for *Authority*

* Delete as necessary

表格 3 [第5(a)條]

噪音管制條例

(第400章)

第8(9)條

建築噪音許可證
爲進行建築工程(撞擊式打樁除外)而使用機動設備及/或進行訂明建築工程

建築噪音許可證編號：GW-TN0485-2002

致：中國港灣建設(集團)總公司

本建築噪音許可證是按照《噪音管制條例》第8條的規定而發出的。現准予使用機動設備以進行撞擊式打樁工程以外的建築工程及/或進行訂明建築工程，但須受以下條件規限。若不按照該等條件進行建築工程，許可證可遭撤銷，而且會受到檢控。

條 件

1. 可使用機動設備及/或進行訂明建築工程的建築地盤：

   詳細地址：新界馬鞍山T7公路近耀安邨

   地段編號：-----

   地盤範圍(即可使用機動設備及進行訂明建築工程的地方範圍)已描劃於夾附的圖則上，而該圖則是本建築噪音許可證的一部分。

2. 該地盤~~部分~~/全部*位於指定範圍之~~內~~/外*。

3. 機動設備

   a. 在地盤範圍內可使用的各項機動設備：

各項機動設備的識辨代碼(如適用的話)	*各項機動設備的說明*	*數目*
CNP 103	發電機，超低噪音型在7米距離時70分貝(A)	壹
CNP 262	絞車(電動)	壹
——	吊臂貨車	壹

   b. 可使用機動設備的建築噪音許可證有效期：

   生效日期及時間：二零零二年十二月九日 晚上七時正

   日期及時間：一般假期包括星期日早上七時正至晚上十一時正及一般假期包括星期日以外的任何一天晚上七時正至晚上十一時正

   此部分許可證屆滿日期及時間：二零零三年二月八日 晚上十一時正

   日期 時間

   c. 建築地盤須備有本建築許可證所述每件機動設備的照片各一幀，供監督隨時查看；該等照片須經監督認可。

   d. 規限使用機動設備的其他條件：

   參照附頁。

4. 訂明建築工程

a. 在地盤範圍內可進行的訂明建築工程：

訂明建築工程的識辨代碼	*訂明建築工程的類別的說明*
	無

b. 可進行訂明建築工程的建築噪音許可證有效期：

生效日期及時間：不適用

日期及時間：不適用

此部分許可證屆滿日期及時間：不適用（日期） 不適用（時間）

c. 本許可證可夾附經監督認可的地盤圖則，以顯示本許可證准予進行訂明建築工程的地點。該地盤圖則須存放於建築地盤供監督隨時查看。

d. 規限進行訂明建築工程的其他條件：

不適用

5. 本建築噪音許可證或其副本必須展示於建築地盤的所有車輛進出口處，以便在使用此證內載列的機動設備進行建築工程的任何時候，給予公眾人仕參閱。

日期：2002 年 11 月 29 日

司徒永國

簽署：

監督
(司徒永國代行)

*刪去不適用者

建築噪音許可證
編號GW-TN0485-2002的附頁（共二頁）

3d. 規限使用機動設備的其他條件 ：

i. 發電機，超低噪音型在7米距離時70分貝(A)(CNP 103)祇可在隔音罩內操作。該隔音罩必須由四件則板障及一件上板障所組成及必須以不少於50毫米厚的木板或1毫米厚的鐵板外皮造成。

ii. 絞車(電動)(CNP 262)祇可在隔音罩內操作。該隔音罩必須由四件則板障所組成及必須以不少於50毫米厚的木板或1毫米厚的鐵板外皮造成。

iii. 在任何時間內展示兩頁載有本建築噪音許可證內「主要資料」之A3尺寸告示的彩色副本於本建築噪音許可證旁。

iv. 本許可證持有人須確保竭力從速完成該等建築工程，並小心防範會引起的噪音干擾。

ENVIRONMENTAL PROTECTION DEPARTMENT 環境保護署 HONG KONG

簽署：_____
監督
（司徒永國代行）

Sheet Attached to Construction
Noise Permit No. GW-TN0485-2002

3d. Other conditions imposed on the use of the powered mechanical equipment :

i. The generator, super silenced, 70 dB(A) at 7m (CNP 103) shall only be operated inside an acoustic enclosure . The acoustic enclosure shall be composed of four side-panels and one top-panel. The panels shall be made of minimum 10mm thick plywood or 1mm thick steel outer skin and minimum 50mm thick sound absorbing lining.

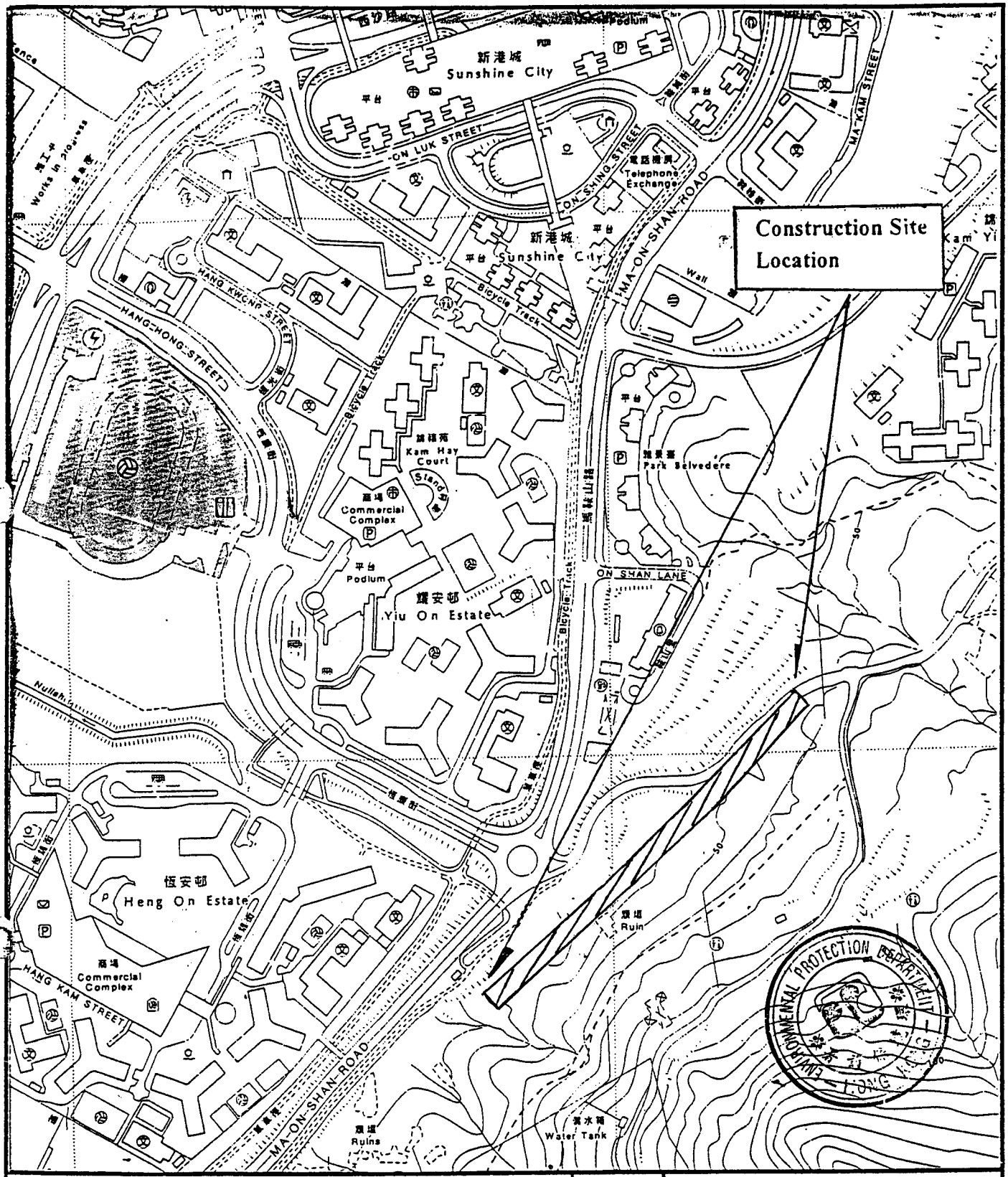
ii. Winch (electric) (CNP 262) shall only be operated inside an acoustic enclosure . The acoustic enclosure shall be composed of four side-panels. The panels shall be made of minimum 10mm thick plywood or 1mm thick steel outer skin and minimum 50mm thick sound absorbing lining.

iii. Colour copies of two pages of A3 size notice showing "Key Information" of this Construction Noise Permit shall be displayed at all times next to copies of this Construction Noise Permit.

iv. All care shall be taken to ensure that the construction work is carried out as quickly as possible with due regard for the potential noise intrusion which may result.

ENVIRONMENTAL PROTECTION DEPARTMENT HONG KONG

Signed :_____
(SZETO Wing-kwok)
for Authority



ENVIRONMENTAL PROTECTION DEPARTMENT 環境保護署	Scale 比例 1:5,000	Legend 圖例 Construction Site 建築地盤

Plan attached to Construction Noise Permit No. GW-TN0485-2002
建築噪音許可證編號 GW-TN0485-2002 **的附圖**

主要資料 Key Information

其他

如欲了解其他獲准使用的機動設備或限制條件，請參閱建築噪音許可證 **GW-TN0485-2002**。

投訴或查詢

如需即時協助請致電馬鞍山分區警署，電話 **2640-0109**。

如有需要，請於辦公時間內致電 **環境保護署** 要求跟進，電話 **2838-3111**。

*在星期一至六(假日除外)的上午 7 時至下午 7 時所進行的建築工程不受噪音管制條例管制。

Others

Please refer to the Construction Noise Permit GW-TN0485-2002 for other permitted powered mechanical equipment or conditions.

Complaint or Enquiry

Please call **Ma On Shan Division Police Station** at **2640-0109** for **immediate assistance.**

Please call **Environmental Protection Department** during office hours at **2838-3111** for follow-up action, if necessary.

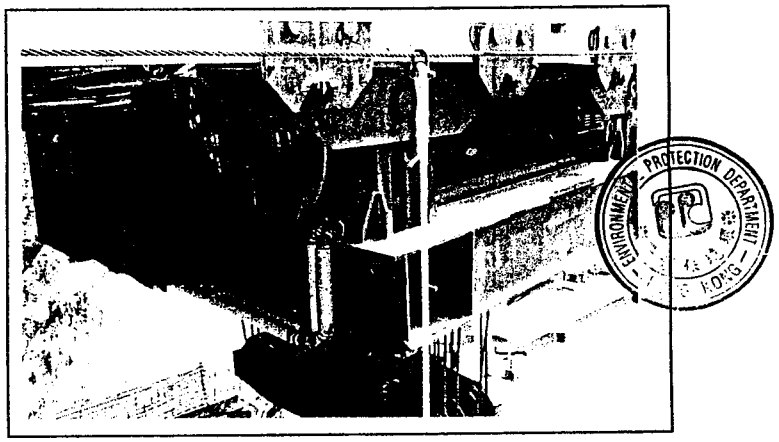
Construction work conducted between 7am – 7pm from Mon. to Sat. (except public holidays) is not controlled under the Noise Control Ordinance.

主要資料 Key Information

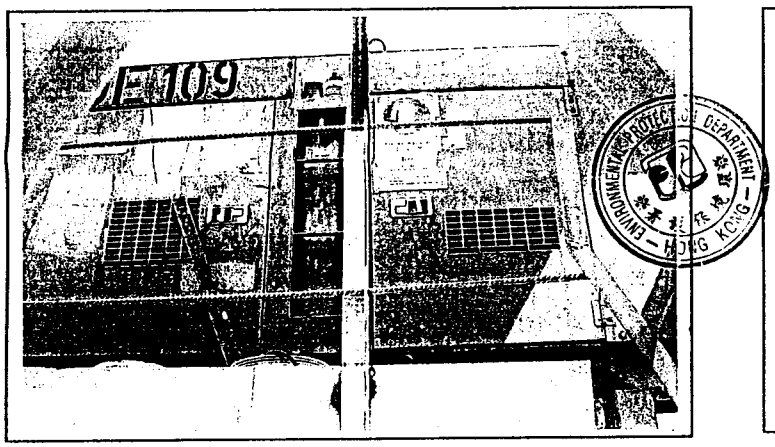
建築噪音許可證編號:
Construction Noise Permit No.: **GW-TN-0485-2002**

許可證持有人:	中國港灣建設(集團)總公司
地點:	新界馬鞍山 T7 公路近耀安邨
有效期:	2002 年 12 月 9 至 2003 年 2 月 8 日
生效時間:	星期一至六(假日除外) 晚上 7 時正至晚上 11 時正 一般假日 早上 7 時正至晚上 11 時正
Permit Holder:	**China Harbour Engineering Company (Group)**
Location:	**Construction of Road T7 in Ma On Shan near Yiu On Estate, N.T.**
Validity period:	**9 December 2002 to 8 February 2003**
Permitted Hours:	**Mon.-Sat.(except holidays) 07:00pm to 11:00pm** **General holiday 07:00am to 11:00pm**

准許
Permit



壹部 絞車 (電動)
One Winch (electric)



壹部 發電機，超低噪音型在 7 米距離時 70 分貝(A)
One Generator, super silenced, 70 dB(A) at 7 m

壹部 吊臂貨車
One Lorry with crane

APPENDIX 8

Memoranda for Public Complaint from Lee On Estate, Heng On Estate and Kam Ying Court

Maunsell Consultants Asia Ltd
茂盛(亞洲)工程顧問有限公司

8/F., Grand Central Plaza, Tower 2
138 Shatin Rural Committee Road
Sha Tin, N.T., Hong Kong

香港新界沙田鄉事會路 138 號
新城市中央廣場第 2 座 8 樓

Tel (852) 2605 6262
Fax (852) 2691 2649
www.maunsell.com.hk

Maunsell

Chief Resident Engineer's Office
Trunk Road T7
7 Lok Wo Sha Lane, Ma On Shan
Telephone : 2643 9020
Fax : 2643 3559
E-mail : t7cso@netvigator.com

Your Ref.:
Our Ref. : T7/(ST86/2000)/M05/412(0133)

15 November 2002

The Agent
China Harbour Engineering Company (Group)
9 Lok Wo Sha Lane
Ma On Shan, N.T.

Dear Sir,

Sha Tin New Town Stage II
Contract No. ST 86/2000
Environmental Complaint EC-46
Noise from Night Work near Heng On Estate

I attach for your attention and necessary action a copy of TDD's letter ref. (32) in NTE-ST 2/643TH/108 Pt.2 dated 14 November 2002 regarding the captioned complaint.

You are reminded to observe the requirements of Noise Control Ordinance in respect of working in night. As discussed with your Mr. Gordon Tang yesterday, please provide the requested information as soon as possible.

Yours faithfully,

K H Cheng
Senior Resident Engineer

Encl.
KHC:cc

cc : MCAL - w/o encl.
CHEC - HO
OAP (by fax only)

By Fax Only

拓展署
Territory Development Department, Hong Kong

新界東拓展處
NEW TERRITORIES DEVELOPMENT OF

10018317

來函檔號 Your Reference

本署檔號 Our Reference (32) in NTE-ST 2/643TH/108 Pt 2

電 話 Telephone 2301 1159

圖文傳真 Fax 2721 8630
2739 0076

日 期 Date 14 November 2002

EC-我

Contract No. ST86/2000		
IN	Trunk Road T7	
File No. :		
Rec'd: 14 NOV 2002		
MCAL RE	A/I	C
CRE		
SRE 1	A	
SRE 2	I	
SLS LS		
RE		
RE		
QS		
ARE		
ARE		
SIOW 1	I	✓
SIOW 2	I	✓
IOW		
STO(C)		
Replied :		

Chief Reisdent Engineer/T7
Chief Resident Engineer's Office
Trunk Road T7
7 Lok Wo Sha Lane
Ma On Shan, N.T.
Hong Kong

(Attn : Mr. K. H. Cheng)

Dear Sirs,

Sha Tin New Town, Stage II
Contract No. ST86/2000
Construction of Road T7 in Ma On Shan

Complaint of Restricted Hours Construction Noise near Heng On Estate

I refer to the attached complaint from Mr 已 made on 5 November 2002 at 2:53 a.m. which was referred to us by ICC on 13 November 2002 and to the telephone discussion (Clive Cheng/George Mak) on 14 November 2002

I would be grateful if you could investigate the complaint and report back to us the result of your investigation no later than **20 November 2002**. In addition, please provide the following information to us regarding this issue -

- What time did the Contractor complete his work in the early hours of 5 November 2002?
- Did the police come to the site to investigate the complaint? If so, please provide further details on what happened after the police came.
- Please provide information on the Contractor's daily working hours after 7 p.m. opposite Heng On Estate from 5 November 2002 to to-date.

- Please provide restricted hours construction noise monitoring data carried out by the ET, the RSS and/or the Contractor at the monitoring point closest to Heng On Estate.

Yours faithfully,

(George K M Mak)
for Project Manager/NTE

c.c. MCAL (Attn : Mr J. M. Slater) – w/e

ICC CASE: 1-17367409

Request Type : Complaint
Channel : Phone
Case Creation Date : 2002-11-05 02:53:02

DUE DATE:

Acknowledgement : 2002-11-07 17:00:00
Interm Reply : 2002-11-15 14:00:00
Final Reply : 2002-12-03 13:00:00

ASSIGNMENT HISTORY:

[Date/Time]	[Status]	[Dept]	[Assigned To]
2002-11-05 02:53:03	Open	HYD	NT/CTO/ST

EVENT DETAILS:

Event Date & Time : 至03:00AM

EVENT LOCATION:

Room :
Floor :
Block No. :
Building Name : 起天橋工程
Estate : 恒安邨對面
Street No. :
Street Name :
District : Ma On Shan (馬鞍山)
Region : NT

CONTACT INFORMATION:

Last Name : Mr. 己
First Name : .
Alt Name :
Contact Address :
Daytime No. : 60937093
Nightime No. :
Mobile : 60937093
Alt Tel No. :
Fax :
Email Address :
Case Source : General Public

CASE DETAILS:

Subject Matter : Road Works

Description :
已先生投訴有關起天橋工程(恒安邨對面), 開工至現在03:00AM仍未停工, 發出噪音, 已通知已先生可致電分區
警署26405200作即時行動.唯已先生仍希望可留下作記錄, 如屬路政署工程可日後跟進.

Specific Questions and Answers :
1) 請問是什麼類別的道路 - 天橋或隧道?
Ans: 其他 (請註明)
Remark: 起天橋工程

2) 請問負責該道路工程是哪間公司?
Ans: 其他 - 請註明
Remark: 不知道

3) 請提供負責標項的合約號碼 (列於告示板上)?
Ans: 請註明
Remark: 不知道

4) 該道路工程有什麼問題 ?
Ans: 工程噪音
Remark:

中國港灣建設(集團)總公司
香港代表: 振華工程有限公司
CHINA HARBOUR ENGINEERING COMPANY (GROUP)
HONG KONG REPRESENTATIVE: ZHEN HUA ENGINEERING CO., LTD.

Date : 16 November 2002
Your Ref : T7/(ST86/2000)/M05/412(0133)
Our Ref. : T7/01.01/O/05180

Maunsell Consultants Asia Ltd.
7, Lok Wo Sha Lane
Ma On Shan

23156
ref 454
ST in Japan FC TC Poy

Attention: Mr. Y.H. Fung- CRE

Dear Sir,

Contract No. ST86/2000
Sha Tin New Town, Stage II
Environmental Complaint No. EC-46 – Noise from Night Work near Heng On Estate

We refer to your letter dated 15 November 2002 regarding the captioned complaint from Mr. 己 of Heng On Estate.

To suit the progress of bridge works, we have obtained from the EPD a Construction Noise Permit No. GW-TN-0427-2002 for segment launching works between 23:00 and 07:00 of next day effective from 28 October 2002. Such overnight works will not be carried out on each day but on ad hoc basis.

The first overnight work was carried out from 23:00 of 4 November 2002 to 07:00 of 5 November 2002. On that night permanent prestressing work was carried out, during the period silenced type generator and electrical winch with additional noise barriers were used. We understand that no police came to the site for any investigation on the captioned noise complaint on that night

Noise measurements have been conducted on 4 and 16 November 2002 on top roof of Heng Shan House at Heng On Estate, the noise level results were attached herewith for your information. The results show that the construction noise levels were below the limit level of 70dB(A)

As the bridge segment launching works at Bridge TA opposite Heng On Estate will be completed by the end of November this year, we would keep noise nuisance to the public at this area to minimal as practical as possible.

Yours faithfully,
For and on behalf of
China Harbour Engineering Co. (Group)

.....
Chan Man
Project Manager

CM/WW/KCW/GT/fc
Enc.
c.c. MCAL – H.O.
OAP (by fax only)
CHEC – H.O.

Attachment A

Sha Tin New Town Stage II, Contract No. ST86/2000
Construction of Road T7 in Ma On Shan
Night works at Bridge TA
Noise Monitoroing Records

Noise Monitoring Point : Roof Top, Heng Shan House, Heng On Estate

Time	Period	Measurment Time	LAeq	LAmax	LAmin	LA05	LA10	LA50	LA90	LA95
4/11/2002	21:00 - 21:05	00:05:00	65.4	69.5	58.5	68	67.7	65	61	59.9
4/11/2002	21:05 - 21:10	00:05:00	68.5	73.1	58.3	72.2	71.1	67.1	60.7	59.9
4/11/2002	21:10 - 21:15	00:05:00	66.4	74.3	59.2	69.9	68.9	65.3	62.4	61.7
4/11/2002	22:00 - 22:05	00:05:00	65.3	73.9	57.3	69.1	68.2	64.5	60.6	59.6
4/11/2002	22:05 - 22:10	00:05:00	62.3	73.3	54.2	66.6	65.4	60.8	57.5	57.1
4/11/2002	22:10 - 22:15	00:05:00	64.3	71.2	57.2	67.1	66	63.6	61.3	59.3
16/11/2002	21:00 - 21:05	00:05:00	67.9	74.8	50.5	71.3	70.8	67.4	62.1	58.7
16/11/2002	21:05 - 21:10	00:05:00	68.4	76.1	60.1	71.2	70.6	68	64.6	63.7
16/11/2002	21:10 - 21:15	00:05:00	68.3	75.6	56.4	71.6	71	67.8	63.9	62.5
16/11/2002	22:00 - 22:05	00:05:00	64.3	74.6	52.6	67.5	66.7	63.8	58.6	56.3
16/11/2002	22:05 - 22:10	00:05:00	64.3	72.3	52.6	67.6	66.9	63.8	58.6	57.4
16/11/2002	22:10 - 22:15	00:05:00	64.1	77.9	52.7	67.2	66.3	63.2	58.8	57.4

MEMO

From K H Cheng, SRE/T7 MCAL, NTE Development	To PM/NTE, TDD
Ref. ____ in T7/(ST86/2000)/M05/412(0135)	Attn.: Mr. George Mak
Tel. No. 2643 9020	Your Ref. (32) in NTE-ST 2/643TH/108 Pt.2
Fax. No. 2643 3559	dated 14.11.02 Fax. No. ____
Date 20 November 2002	Total Pages 1 + 6

By Fax Only

Sha Tin New Town Stage II
Contract No. ST 86/2000
Construction of Road T7 in Ma On Shan
Complaint of Restricted Hours Construction Noise near Heng On Estate

I refer to your letter of 14 November 2002 concerned the captioned complaint and would advise as follows.

1) The Contractor completed the stressing works at Bridge TA at about 8:00 am of 5 November 2002, i.e. working overnight on 4 November 2002.

2) The Police did not come to deal with the complaint.

3) The Contractor has worked at the concerned area until 11:00 pm daily from 5 November 2002 to date, with another overnight work on 12 November 2002, i.e. till 7:00 am of 13 November 2002.

4) Attached please find for your reference a copy of Page 3-1, Page 4-3 and the relevant page in Appendix 3 of the EM&A Report of October 2002, showing the evening time noise monitoring results at NM3, the podium floor of Heng Shan House. A copy of the same in November 2002 provided by the ET is also attached.

As discussed with the Contractor after receiving the complaint, it is believed that the complaint was likely due to shouting of labourers during the stressing operations since there was no noisy plant or equipment being used. A copy of the Contractor's letter ref. T7/01.01/O/05180 dated 16 November 2002 is attached for your information. As discussed with the ET on the issue, it is not intended for the time being to carry out noise monitoring in early morning at NM3 for the same reason.

Finally, the Contractor and our supervision staff have been directed to pay particular attention to any possible noise nuisance arising from such overnight works.

23156

Ref US10

K H Cheng
Senior Resident Engineer

SI in Japan TL TC Roy

KHC:jt
Encl.
cc : MCAL
OAP (by fax only)

3. SUMMARY OF EM&A REQUIREMENTS

Construction noise and air quality were significant environmental impacts identified for the construction period of the project. In accordance with the Brief for EM&A, air quality and noise impact monitoring shall be performed by an ET at all specified monitoring locations during this stage.

3.1 Construction Noise Monitoring

3.1.1 Monitoring Parameters

Construction noise monitoring shall be measured in terms of the A-weighted equivalent continuous sound pressure level (L_{eq}). L_{10} and L_{90} will also be recorded as supplementary reference information for data auditing.

3.1.2 Monitoring Frequency

Construction noise measurements were required to be taken on a weekly basis according to the Brief for EM&A. The monitoring time periods, monitoring parameters and frequency are specified in Table 3-1. The monitoring programme for October 2002 and the planned schedule for November 2002 are provided in Appendix 1 and Appendix 2 respectively.

Table 3-1 - Construction noise monitoring parameters and frequency requirements.

Time Period (when construction activity is found)	Parameters	Monitoring Frequency	No. of measurements for each monitoring
Between 0700-1900 hours on normal weekdays	$L_{eq(30\ min)}$	Once per week	1
Between 1900-2300 hours on normal weekdays	$L_{eq(5\ min)}$*		3 (consecutive)
Between 2300-0700 hours of next day			
Between 0700-1900 hours on holidays			

Remarks: * The $L_{eq(5\ min)}$ will only be measured if construction activities are conducted in holidays and between the period of 1900 and 0700 hours during normal weekdays.

3.1.3 Monitoring Locations

A total of six monitoring locations were specified. They are given in Table 3-2 and shown in Figure 3-1. The measurements shall be taken away from any nearby reflective surface and at a position of 1.2m above ground. No façade correction is required.

Table 3-2 - Noise impact monitoring locations.

NSR No.	Location	Monitoring Point
NM2	Ma On Shan Lutheran Primary School	Roof-top of the school
NM3	Heng Shan House, Heng On Estate	Podium floor of Heng Shan House
NM4	Kam Yiu House, Kam Ying Court	Roof-top of Kam Yiu House
NM6	Villa Concerto, Symphony Bay	Roof-top of Block 1
NM7	Monte Vista, Block 15	Podium floor of Block 15
NM8	Monte Vista, Block 15	Roof floor of Block 15

Table 4-3 - Construction evening time noise monitoring results for October 2002.

Date of Monitoring		Monitoring Results, L$_{eq}$ dB(A) (5min)				
		NM3	NM4	NM6	NM7	NM8
Week 1	07/10/02 (Mon)	-	-	64.0	-	63.0
		-	-	63.5	-	63.0
		-	-	63.0	-	63.5
Week 2	16/10/02 (Wed)*	61.0	59.4	-	-	-
		61.7	59.4	-	-	-
		63.5	58.4	-	-	-
Week 3	23/10/02 (Wed)*	62.0	60.0	-	-	-
		63.0	60.5	-	-	-
		62.3	61.2	-	-	-
Week 4	31/10/02 (Thu)	62.5	60.0	63.0	-	65.0
		62.8	60.5	64.0	-	66.5
		61.5	60.0	62.5	-	64.8

Noted: * Evening time noise monitoring is not required at monitoring stations NM3 and NM4 in Week 1 as no construction works was conducted near these stations.

** Evening time noise monitoring is not required at monitoring station NM7 as no construction works was conducted near this station.

As the locations of the restricted hour works have been moved, the evening time noise monitoring locations at NM6 Symphony Bay and NM8 Roof of blk5, Monte Vista were no longer valid for checking the restricted hour noise impact. Therefore, the evening time noise monitoring at these 2 stations was suspended since Week 2. However, as per the request of ER, the evening time noise monitoring at NM6 and NM8 have been resumed in Week 4.

Details of Evening time Noise Impact Monitoring

Month	Date	Set No.	NSR No.	Time periods		Weather condition	Avg. wind speed (m/s)	Noise Level dB(A)		
				Start	Finish			L_{eq}	L_{10}	L_{90}
Oct-02	07-Oct-02	1	NM6	19:00	19:05	fine	0.4	64.0	65.5	57.5
Oct-02	07-Oct-02	2	NM6	19:05	19:10	fine	0.4	63.5	65.0	58.0
Oct-02	07-Oct-02	3	NM6	19:10	19:15	fine	0.4	63.0	65.0	58.0
Oct-02	07-Oct-02	1	NM8	19:20	19:25	fine	0.6	63.0	65.0	57.0
Oct-02	07-Oct-02	2	NM8	19:25	19:30	fine	0.6	63.0	65.5	57.5
Oct-02	07-Oct-02	3	NM8	19:30	19:35	fine	0.6	63.5	66.0	57.0
Oct-02	16-Oct-02	1	NM3	19:00	19:05	fine	0.4	61.0	63.0	59.5
Oct-02	16-Oct-02	2	NM3	19:05	19:10	fine	0.4	61.7	64.0	58.0
Oct-02	16-Oct-02	3	NM3	19:10	19:15	fine	0.4	63.5	65.0	60.5
Oct-02	16-Oct-02	1	NM4	19:25	19:30	fine	0.4	59.4	60.0	58.5
Oct-02	16-Oct-02	2	NM4	19:30	19:35	fine	0.4	59.4	61.5	57.5
Oct-02	16-Oct-02	3	NM4	19:35	19:40	fine	0.4	58.4	60.0	56.5
Oct-02	23-Oct-02	1	NM3	19:00	19:05	fine	0.3	62.0	64.0	59.0
Oct-02	23-Oct-02	2	NM3	19:05	19:10	fine	0.3	63.0	64.5	60.0
Oct-02	23-Oct-02	3	NM3	19:10	19:15	fine	0.3	62.3	65.0	58.5
Oct-02	23-Oct-02	1	NM4	19:30	19:35	fine	0.4	60.0	62.0	57.0
Oct-02	23-Oct-02	2	NM4	19:35	19:40	fine	0.4	60.5	63.0	56.5
Oct-02	23-Oct-02	3	NM4	19:40	19:45	fine	0.4	61.2	62.5	57.0
Oct-02	31-Oct-02	1	NM3	19:05	19:10	fine	0.3	62.5	65.0	60.0
Oct-02	31-Oct-02	2	NM3	19:10	19:15	fine	0.3	62.8	65.0	59.5
Oct-02	31-Oct-02	3	NM3	19:15	19:20	fine	0.3	61.5	65.0	60.0
Oct-02	31-Oct-02	1	NM4	19:40	19:45	fine	0.5	60.0	63.5	57.5
Oct-02	31-Oct-02	2	NM4	19:45	19:50	fine	0.5	60.5	64.0	57.0
Oct-02	31-Oct-02	3	NM4	19:50	19:55	fine	0.5	60.0	64.0	57.0
Oct-02	31-Oct-02	1	NM6	21:00	21:05	fine	0.6	63.0	65.5	57.5
Oct-02	31-Oct-02	2	NM6	21:05	21:10	fine	0.6	64.0	66.0	57.0
Oct-02	31-Oct-02	3	NM6	21:10	21:15	fine	0.6	62.5	65.5	57.0
Oct-02	31-Oct-02	1	NM8	20:15	20:20	fine	0.6	65.0	66.5	57.0
Oct-02	31-Oct-02	2	NM8	20:20	20:25	fine	0.6	66.5	68.4	60.0
Oct-02	31-Oct-02	3	NM8	20:25	20:30	fine	0.6	64.8	67.0	57.5

Details of Evening time Noise Impact Monitoring

Month	Date	Set No.	NSR No.	Time periods		Weather condition	Avg. wind speed (m/s)	Noise Level dB(A)		
				Start	Finish			L_{eq}	L_{10}	L_{90}
Nov-02	07-Nov-02	1	NM3	20:00	20:05	fine	0.3	61.5	64.5	58.0
Nov-02	07-Nov-02	2	NM3	20:05	20:10	fine	0.3	62.0	66.0	58.5
Nov-02	07-Nov-02	3	NM3	20:10	20:15	fine	0.3	60.0	63.5	58.0
Nov-02	12-Nov-02	1	NM3	19:00	19:05	fine	0.2	60.5	63.0	57.5
Nov-02	12-Nov-02	2	NM3	19:05	19:10	fine	0.2	63.0	65.5	59.0
Nov-02	12-Nov-02	3	NM3	19:10	19:15	fine	0.2	61.0	64.8	58.0

香港代表：振華工程有限公司
CHINA HARBOUR ENGINEERING COMPANY (GROUP)
HONG KONG REPRESENTATIVE: ZHEN HUA ENGINEERING CO., LTD.

Date : 16 November 2002
Your Ref : T7/(ST86/2000)/M05/412(0133)
Our Ref. : T7/01.01/O/05180

Maunsell Consultants Asia Ltd.
7, Lok Wo Sha Lane
Ma On Shan

Attention: Mr. Y.H. Fung- CRE

Dear Sir,

Contract No. ST86/2000
Sha Tin New Town, Stage II
Environmental Complaint No. EC-46 – Noise from Night Work near Heng On Estate

We refer to your letter dated 15 November 2002 regarding the captioned complaint from Mr. 已 of Heng On Estate.

To suit the progress of bridge works, we have obtained from the EPD a Construction Noise Permit No. GW-TN-0427-2002 for segment launching works between 23:00 and 07:00 of next day effective from 28 October 2002. Such overnight works will not be carried out on each day but on ad hoc basis.

The first overnight work was carried out from 23:00 of 4 November 2002 to 07:00 of 5 November 2002. On that night permanent prestressing work was carried out, during the period silenced type generator and electrical winch with additional noise barriers were used. We understand that no police came to the site for any investigation on the captioned noise complaint on that night

Noise measurements have been conducted on 4 and 16 November 2002 on top roof of Heng Shan House at Heng On Estate, the noise level results were attached herewith for your information. The results show that the construction noise levels were below the limit level of 70dB(A)

As the bridge segment launching works at Bridge TA opposite Heng On Estate will be completed by the end of November this year, we would keep noise nuisance to the public at this area to minimal as practical as possible.

Yours faithfully,
For and on behalf of
China Harbour Engineering Co. (Group)

.....
Chan Man
Project Manager

CM/WW/KCW/GT/fc
Enc.
c.c. MCAL – H.O.
OAP (by fax only)
CHEC – H.O.

Attachment A

Sha Tin New Town Stage II, Contract No. ST86/2000
Construction of Road T7 in Ma On Shan
Night works at Bridge TA
Noise Monitoroing Records

Noise Monitoring Point : Roof Top, Heng Shan House, Heng On Estate

Time	Period	Measurment Time	LAeq	LAmax	LAmin	LA05	LA10	LA50	LA90	LA95
4/11/2002	21:00 - 21:05	00:05:00	**65.4**	69.5	58.5	68	67.7	65	61	59.9
4/11/2002	21:05 - 21:10	00:05:00	**68.5**	73.1	58.3	72.2	71.1	67.1	60.7	59.9
4/11/2002	21:10 - 21:15	00:05:00	**66.4**	74.3	59.2	69.9	68.9	65.3	62.4	61.7
4/11/2002	22:00 - 22:05	00:05:00	**65.3**	73.9	57.3	69.1	68.2	64.5	60.6	59.6
4/11/2002	22:05 - 22:10	00:05:00	**62.3**	73.3	54.2	66.6	65.4	60.8	57.5	57.1
4/11/2002	22:10 - 22:15	00:05:00	**64.3**	71.2	57.2	67.1	66	63.6	61.3	59.3
16/11/2002	21:00 - 21:05	00:05:00	**67.9**	74.8	50.5	71.3	70.8	67.4	62.1	58.7
16/11/2002	21:05 - 21:10	00:05:00	**68.4**	76.1	60.1	71.2	70.6	68	64.6	63.7
16/11/2002	21:10 - 21:15	00:05:00	**68.3**	75.6	56.4	71.6	71	67.8	63.9	62.5
16/11/2002	22:00 - 22:05	00:05:00	**64.3**	74.6	52.6	67.5	66.7	63.8	58.6	56.3
16/11/2002	22:05 - 22:10	00:05:00	**64.3**	72.3	52.6	67.6	66.9	63.8	58.6	57.4
16/11/2002	22:10 - 22:15	00:05:00	**64.1**	77.9	52.7	67.2	66.3	63.2	58.8	57.4

本署檔號
OUR REF: EP 580/E6/3/9
來函檔號
YOUR REF:
電　話
TEL. NO.:
圖文傳真 2158 5823
FAX NO.:
電子郵件 2685 1155
E-MAIL:
網　址
Homepage: http://www.info.gov.hk/epd/

Environmental Protection Department
Local Control Office/Territory North
10/F, Sha Tin Government Offices,
No. 1 Sheung Wo Che Road,
Sha Tin, New Territories,
Hong Kong.

環境保護署
污染管制辦事處
(新界北)
香港新界沙田
上禾輋路一號
沙田政府合署 10 樓

25 November 2002

Ove Arup & Partners Hong Kong Limited
Level 5 Festival Walk,
80 Tat Chee Avenue,
Kowloon Tong,
Kowloon,
Hong Kong

(Attn: Mr Sam Tsoi)

By Fax Only
(Fax : 2865 6493)

Dear Sir,

Sha Tin New Town Stage II Contract No. ST 86/2000
Construction of Road T7 in Ma On Shan
Public Complaint of 23 November 2002

I refer to the captioned project, for which you hold the position of Environmental Team Leader.

Enclosed please find some particulars of a public complaint made on the date shown in the enclosure. The Environmental Team and all relevant parties in the c.c. list below should take actions to rectify the situation. Please report the outcome of the action to us within 2 weeks.

Arup Acoustics Job No. 23156
File No.
Master Ref: 4557
Project Ref.:
Reply Ref.: By: Date
Action Required:
Received 26 NOV 2002

Inits.	ST	TC	Kong
Action			
Info.	ST		
Copy			

Yours faithfully,

(Jack KAN)
Environmental Protection Officer
for Director of Environmental Protection

Encl.

c.c. (all w/e) TDD (Attn: Mr. George Mak Fax.: 2721 8630)
Maunsell (Attn: Mr. Y H Fung Fax.: 2643 3559)
CHEC (Attn: Mr Chan Man Fax.: 2492 3701)

NOTICE OF COMPLAINT

Complaint Ref. : N01/TN/00011413-02

ICC Ref:

CASE DETAILS

(1) Incident 23/11/2002

(2) Incident Location : Monte Vista, N01 - SHA TIN 地址 :

(3) TPU : 757

(4) Description : COMPLAINT OF CONSTRUCTION NOISE AND ODOUR AT T7 ROAD FROM BETWEEN MONTE VISTA AND LEE ON ESTATE. SHA TIN

(5) Nature	(6) Affected Party	(7) Pollution Pattern
N66-General construction noise except renovation	DMS-Domestic Premises	
A49-Malodour	DMS-Domestic Premises	

(8) Priority class : C - Routine i.e. substantive reply to be made on or before 16/12/2002

DETAILS OF THE SUSPECTED POLLUTER

(1) Premises Name : UNKNOWN 姓名 : 不知名

(2) Premises Address : 地址 :

(3) Business Type : O18 - "Other, please specify in ""Remarks"""

COMPLAINANT

(1) Name : (2) Tel. No. : Day :
Night :
Mobile:

(3) Address : 地址 :

(4) Email Address :

CHANNEL OF COMPLAINT

Source channel: 06 - Internet

Source code : P - Public 市民

Remarks :

ACTION OFFICERS

	Nature Code	SEPO	EPO	CI
Coordinator	N66	S[TN]2		CI[TN]2
Officers provide inputs to coordinator	A49	S[TN]1		

INFORMATION INPUTTED BY

Name : TNTELE Date : 23/11/2002 Time : 10:50

中國港灣建設(集團)總公司
香港代表: 振華工程有限公司
CHINA HARBOUR ENGINEERING COMPANY (GROUP)
HONG KONG REPRESENTATIVE: ZHEN HUA ENGINEERING CO., LTD.

Date : 27 November 2002
Your Ref : T7/(ST86/2000)/M05/412(0137)
Our Ref. : T7/01.01/O/05271

Maunsell Consultants Asia Ltd.
7, Lok Wo Sha Lane
Ma On Shan
Shatin, N.T.

Arup Acoustics Job No. 23156
File No.
Master Ref: 4/16588 Project Ref.:
Reply Ref.: By: Date
Action Required:
Received 28 NOV 2002
Inits. Action Info. Copy

Attention: Mr. Y. H. Fung- CRE

Dear Sir,

Contract No. ST86/2000
Sha Tin New Town, Stage II
Construction of Road T7 in Ma On Shan
Environmental Complaint No. EC-47 – Noise and odour from Works between Monte Vista and Lee On Estate

We refer to your letter dated 26 November 2002 regarding the captioned complaint, we found that the noise and odour were mainly came from the generator located at Bridge TC Cap 13, which was switched on between the time period 22 November 2002 19:00 and 23 November 2002 01:30 as our sub-contractor staff forgot to switch off the generator after works.

A warning letter was issued to the sub-contractor and separated memorandum have been sent to all of our sub-contractors to make sure the same case would not be happened again.

Enclosed please find the copies of warning letter and memoranda for your retention. Thank you very much for your kind attention.

Yours faithfully,
For and on behalf of
China Harbour Engineering Co. (Group)

.....
Chan Man
Project Manager

CM/CL/PW/GT/fc
c.c MCAL – H.O.
OAP (by fax only)
TDD – Mr. George Mak
CHEC – H.O.
Int: WW/JC/SC

中國港灣建設(集團)總公司
香港代表: 振華工程有限公司
CHINA HARBOUR ENGINEERING COMPANY (GROUP)
HONG KONG REPRESENTATIVE: ZHEN HUA ENGINEERING CO., LTD.

Date : 27 November 2002
Our Ref: T7/10.01/O/04491

Kin Lee Civil Engineering Co., Ltd
Room 1, 8/F Cosmoplitan Centre
760 Nathan Road
Kowloon

Dear Sirs

Contract No. ST86/2000
Construction of Road T7 in Ma On Shan
Environmental Complaint - Noise and odour Complaint by Resident of Monte Vista

A complaint was raised from EPD that the generator G30 was found switched on during the time period between 22 November 2002 19:00 to 23 November 2002 01:30. The generator was switched off by the police at that night on 01:30. After investigation, we found that the generator, located near Bridge TC Cap 13, was used by your construction works and your staff forgot to switch off the generator after works. This was a serious mistake and would cause prosecution from the police and EPD. You must warn your staff and foreman to make sure the same case would not be happened again.

Enclosed please find the letter and photo for your reference.

Yours faithfully
For and on behalf of
China Harbour Engineering Co. (Group)

.....
Chan Man
Project Manager

Encl.
CM/CL/PL/CT/fc

C.C. Mr.George Mak (TDD) (Fax no:27218630)
Mr.Y.H.Fung (MCAL) (Fax No: 26433559)
WW,JC,SC

Photos

This generator, located near Bridge TC Cap 13, was found switched on during the time period between 22 November 2002 19:00 to 23 December 2002 01:30 without the coverage of Construction Noise Permit

中國港灣建設(集團)總公司
香港代表: 振華工程有限公司
CHINA HARBOUR ENGINEERING COMPANY (GROUP)
HONG KONG REPRESENTATIVE: ZHEN HUA ENGINEERING CO., LTD

Memo

To : **All Sub-contractors**
From : **Mr. Phillip Leung**
Date : **27/11/2002**
Our Ref : **T7/12.01/O/04495**
Subject : **Operation of powered mechanical equipment under Construction Noise Permit**

Recently, we have received a complaint from EPD that the generator used by one of our sub-contractors was found switched on overnight without any coverage by the construction noise permit. The odour and noise generated affected the resident nearby and police and EPD was informed to investigate the case.

Please be reminded that this was a very serious mistake and would cause prosecution from the police and EPD. You must inform your staff and foreman to make sure all the generators or other powered mechanical equipment should be switched off at night if not cover by any construction noise permit.

Thank you for your co-operation.

Yours faithfully,

Phillip Leung

PL/ST/fc

c.c. CL/WW/ST/KCW/SMM/YYL/HH/JC
Mr. Y. H. Fung (MCAL)

19., China Harbour Building, 370-374 King's Road, North Point, Hong Kong
Site Tel: (852) 24923680 Site Fax: (852) 2492 3701

MEMO

From K H Cheng, SRE/T7
MCAL, NTE Development
Ref. _____ in T7(ST86/2000)/M05/412(0141)
Tel. No. 2643 9020
Fax. No. 2643 3559
Date 29 November 2002

To: Director of Environmental Protection
Attn.: Mr. Jack Kan
Your Ref. ___ in EP 580/E6/3/9
dated 25.11.2002 Fax. No. 2685 1155
Total Pages 1 + 5

By Fax Only

Sha Tin New Town, Stage II
Contract No. ST 86/2000
Construction of Road T7 in Ma On Shan
Public Complaint of 23 November 2002

I refer to your above quoted letter of 25 November 2002 enclosing the particulars of the captioned complaint (copy attached for your ease of reference). Please find attached for your reference the Contractor's self-explanatory letter ref. T7/01.01/O/05271 dated 27 November 2002.

As the T7 work has caused inconvenience to the nearby residents, please relay my apology to them.

Arup Acoustics Job No. 23156 File No.
Master Ref.: Project Ref.:
Reply Ref.: By: Date
Action Required:
Received 29 NOV 2002

Inits.	ST	TC	PM
Action			
Info.	ST		
Copy			

K H Cheng
Senior Resident Engineer

Encl.

KHC:cc

cc: PM/NTE, TDD – Attn : Mr. George Mak (by fax)
MCAL
OAP – Attn : Mr. Thomas Chan (by fax – 2268 3950)

NOTICE OF COMPLAINT

Complaint Ref. : N01/TN/00011413-02

ICC Ref:

CASE DETAILS

(1) Incident 23/11/2002

(2) Incident Location : Monte Vista, N01 - SHA TIN 地址 :

(3) TPU : 757

(4) Description : COMPLAINT OF CONSTRUCTION NOISE AND ODOUR AT T7 ROAD FROM BETWEEN MONTE VISTA AND LEE ON ESTATE SHA TIN

(5) Nature	(6) Affected Party	(7) Pollution Pattern
N66-General construction noise except renovation	DMS-Domestic Premises	
A49-Malodour	DMS-Domestic Premises	

Priority class : C - Routine i.e. substantive reply to be made on or before 16/12/2002

DETAILS OF THE SUSPECTED POLLUTER

(1) Premises Name : UNKNOWN 姓名 : 不知名

(2) Premises Address : 地址 :

(3) Business Type : O18 - "Other, please specify in ""Remarks"""

COMPLAINANT

(1) Name :

(2) Tel. No. : Day :
Night :
Mobile:

(3) Address : 地址 :

Email Address :

CHANNEL OF COMPLAINT

Source channel: 06 - Internet

Source code : P - Public 市民

Remarks :

ACTION OFFICERS

	Nature Code	SEPO	EPO	CI
Coordinator	N66	S[TN]2		CI[TN]2
Officers provide inputs to coordinator	A49	S[TN]1		

INFORMATION INPUTTED BY

Name : TNTELE Date : 23/11/2002 Time : 10:50

中國港灣建設(集團)總公司
香港代表: 振華工程有限公司
CHINA HARBOUR ENGINEERING COMPANY
HONG KONG REPRESENTATIVE: ZHEN HUA ENGINEERING CO., LTD.

1002043

Contract No. ST86/2000		
IN	Trunk Road T7	
File No.:	M05/412	
Rec'd: 28 NOV 2002		
MCAL RSS	A/I	C
CRE		
SRE 1	I	
SRE 2	I	
SLS LS		
RE 1.2.3.6	I	
RE		
QS		
ARE		
ARE		
SIOW 1	I	✓
SIOW 2	I	✓
IOW		
[illegible]		
Replied :		

Date : 27 November 2002
Your Ref : T7/(ST86/2000)/M05/412(0137)
Our Ref. : T7/01.01/O/05271

Maunsell Consultants Asia Ltd.
7, Lok Wo Sha Lane
Ma On Shan
Shatin, N.T.

Attention: Mr. Y. H. Fung- CRE

Dear Sir,

Contract No. ST86/2000
Sha Tin New Town, Stage II
Construction of Road T7 in Ma On Shan
Environmental Complaint No. EC-47 – Noise and odour from Works between Monte Vista and Lee On Estate

We refer to your letter dated 26 November 2002 regarding the captioned complaint, we found that the noise and odour were mainly came from the generator located at Bridge TC Cap 13, which was switched on between the time period 22 November 2002 19:00 and 23 November 2002 01:30 as our sub-contractor staff forgot to switch off the generator after works.

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Yours faithfully,
For and on behalf of
China Harbour Engineering Co. (Group)

Chan Man
Project Manager

CM/CL/PW/GT/fc
c.c. MCAL – H.O.
OAP (by fax only)
TDD – Mr. George Mak
CHEC – H.O.
Int: WW/JC/SC

中國港灣建設(集團)總公司
香港代表: 振華工程有限公司
CHINA HARBOUR ENGINEERING COMPANY (GROUP)
HONG KONG REPRESENTATIVE: ZHEN HUA ENGINEERING CO., LTD.

Date : 27 November 2002
Our Ref: T7/10.01/O/04491

Kin Lee Civil Engineering Co., Ltd
Room 1, 8/F Cosmoplitan Centre
760 Nathan Road
Kowloon

Dear Sirs

Contract No. ST86/2000
Construction of Road T7 in Ma On Shan
Environmental Complaint - Noise and odour Complaint by Resident of Monte Vista

A complaint was raised from EPD that the generator G30 was found switched on during the time period between 22 November 2002 19:00 to 23 November 2002 01:30. The generator was switched off by the police at that night on 01:30. After investigation, we found that the generator, located near Bridge TC Cap 13, was used by your construction works and your staff forgot to switch off the generator after works. This was a serious mistake and would cause prosecution from the police and EPD. You must warn your staff and foreman to make sure the same case would not be happened again.

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Yours faithfully
For and on behalf of
China Harbour Engineering Co. (Group)

.....
Chan Man
Project Manager

Encl.
CM/CL/PL/GT/fc

C.C. Mr.George Mak (TDD) (Fax no:27218630)
Mr.Y.H.Fung (MCAL) (Fax No: 26433559)
WW,JC,SC

Photos

This generator, located near Bridge TC Cap 13, was found switched on during the time period between 22 November 2002 19:00 to 23 December 2002 01:30 without the coverage of Construction Noise Permit

中國港灣建設(集團)總公司
香港代表: 振華工程有限公司
CHINA HARBOUR ENGINEERING COMPANY (GROUP)
HONG KONG REPRESENTATIVE: ZHEN HUA ENGINEERING CO., LTD

Memo

To : **All Sub-contractors**
From : **Mr. Phillip Leung**
Date : **27/11/2002**
Our Ref : **T7/12.01/O/04495**
Subject : **Operation of powered mechanical equipment under Construction Noise Permit**

Recently, we have received a complaint from EPD that the generator used by one of our sub-contractors was found switched on overnight without any coverage by the construction noise permit. The odour and noise generated affected the resident nearby and police and EPD was informed to investigate the case.

Please be reminded that this was a very serious mistake and would cause prosecution from the police and EPD. You must inform your staff and foreman to make sure all the generators or other powered mechanical equipment should be switched off at night if not cover by any construction noise permit.

Thank you for your co-operation.

Yours faithfully,

Phillip Leung

PL/GT/fc

c.c. CL/WW/ST/KCW/SMM/YYL/HH/JC
Mr. Y. H. Fung (MCAL)

19., China Harbour Building, 370-374 King's Road, North Point, Hong Kong
Site Tel: (852) 24923680 Site Fax: (852) 2492 3701

本署檔號
OUR REF: EP 580/E6/3/9
來函檔號
YOUR REF:
電　話
TEL. NO.:
圖文傳真
FAX NO.: 2158 5823
電子郵件
E-MAIL: 2685 1155
網　址
Homepage: http://www.info.gov.hk/epd/

Environmental Protection Department
Local Control Office / Territory North
10/F, Sha Tin Government Offices,
No. 1 Sheung Wo Che Road,
Sha Tin, New Territories.
Hong Kong.

環境保護署
污染管制辦事處
(新界北)
香港新界沙田
上禾蟲路一號
沙田政府合署 10 樓

2 December 2002

Arup Acoustics Job No. 23156
File No.
Master Ref.
Project Ref.:
Reply Ref.:
By:
Date
Action Required:
Received - 2 DEC 2002
Inits. ST TC
Action
Info.
Copy

Ove Arup & Partners Hong Kong Limited
Level 5 Festival Walk,
80 Tat Chee Avenue,
Kowloon Tong,
Kowloon,
Hong Kong

(Attn: Mr Sam Tsoi)

By Fax Only
(Fax : 2865 6493)

Dear Sir,

Sha Tin New Town Stage II Contract No. ST 86/2000
Construction of Road T7 in Ma On Shan
Public Complaint of 30 November 2002

I refer to the captioned project, for which you hold the position of Environmental Team Leader.

Enclosed please find particulars of a public complaint made on the date shown in the enclosure. The Environmental Team and all relevant parties in the c.c. list below should take actions to rectify the situation. Please report the outcome of the action to us within 2 weeks.

Yours faithfully,

(Jack KAN)
Environmental Protection Officer
for Director of Environmental Protection

Encl.

c.c. (all w/e)

TDD	(Attn: Mr. George Mak	Fax.: 2721 8630)
Maunsell	(Attn: Mr. Y H Fung	Fax.: 2643 3559)
CHEC	(Attn: Mr Chan Man	Fax.: 2492 3701)

NOTICE OF COMPLAINT

Complaint Ref. : N01/TN/00011730-02

ICC Ref:

CASE DETAILS

(1) Incident 30/11/2002

(2) Incident Location : KAM YING COURT, N01 - SHA TIN 地址 :

(3) TPU : 757

(4) Description : COMPLAINT OF SUNDAY CONSTRUCTION NOISE FROM THE CONSTRUCTION SITE OPPOSIDE TO KAM YING COURT . SHA TIN

(5) Nature	(6) Affected Party	(7) Pollution Pattern
N66-General construction noise except renovation	DMS-Domestic Premises	

(8) Priority class : C - Routine i.e. substantive reply to be made on or before 23/12/2002

DETAILS OF THE SUSPECTED POLLUTER

(1) Premises Name : UNKNOWN 姓名 : 不知名

(2) Premises Address : 地址 :

(3) Business Type : 511 - Construction site except renovation

COMPLAINANT

(1) Name : (2) Tel. No. : Day :
Night :
Mobile:

(3) Address : 地址 :
N01 - SHA TIN

(4) Email Address :

CHANNEL OF COMPLAINT

Source channel: 01 - Phone

Source code : P - Public 市民

Remarks : 先生投訴上址的地盤星期日有人開工,以及有部發電機日日都發出噪音至凌晨12:00,十分擾民,請儘快跟進.

ACTION OFFICERS

	Nature Code	SEPO	EPO	CI
Coordinator	N66	S[TN]2		CI[TN]2

INFORMATION INPUTTED BY

Name : HAUE1 Date : 30/11/2002 Time : 12:10

中國港灣建設(集團)總公司
香港代表: 振華工程有限公司
CHINA HARBOUR ENGINEERING COMPANY (GROUP)
HONG KONG REPRESENTATIVE: ZHEN HUA ENGINEERING CO., LTD.

Date : 5 December 2002
Your Ref : EP580/E6/3/9
Our Ref. : T7/02.03/O/04574

Environmental Protection Department
Local Control Office/ Territory North
10/F., Sha Tin Government Offices,
No. 1 Sheung Wo Che Road,
Sha Tin, New Territories,

Attention: Mr. Jack Kan

Dear Sir,

Contract No. ST86/2000
Sha Tin New Town, Stage II
Construction of Road T7 in Ma On Shan
Noise nuisance from Sunday Works near Kam Ying Court

We refer to your letter dated 2 December 2002 regarding the captioned complaint from resident of Kam Ying Court on 30 November 2002, for your information, we have already obtained the Construction Noise Permit in the area of RW-D1 (CNP no: GW-TN0274-2002) and TC1 & TC2 (CNP no: GW-TN0294-2002) near Kam Leung House, Kam Ying Court to work on Sunday from 07:00 to 23:00.

We have checked our site record and found that the generator at Bridges TC1 & TC2 would be switched off by our sub-contractor before 23:00 every night (covered by CNP no.: GW-TN0294-2002) and so the generator would not be operated until midnight. We however would keep noise nuisance to the public at this area to minimal as practical as possible.

We would keep on reminding our subcontractors to follow all the conditions and the restricted location stated in the construction noise permit.

Thank you very much for your kind attention.

Yours faithfully,
For and on behalf of
China Harbour Engineering Co. (Group)

.....
Chan Man
Project Manager
CM/WW/PL/GP/fc
c.c. MCAL – Mr. Y H Fung
MCAL – H.O.
CHEC – H.O.
OAP – Mr. Sam Tsoi (fax: 2865 6493)
TDD – Mr. George Mak (fax: 2721 8630)
Int.: CL/JC/SC

香港北角英皇道 370-374 號振華大廈 19 樓
19/F., China Harbour Building, 370-374 King's Road, North Point, Hong Kong.
Tel: (852) 2887 8118 Fax: (852) 2512 0427 Website: http://www.chechk.com